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# LANDSAT 2

## CUMULATIVE NON-U.S. STANDARD CATALOG



GSFC/LN-C/013

GODDARD SPACE FLIGHT CENTER  
GREENBELT, MARYLAND

NATIONAL AERONAUTICS AND SPACE ADMINISTRATION





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|                                                                                                                                                                                                                                                                                                                                                                     |  |                                |                                                  |                                                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------------------------|--------------------------------------------------|-----------------------------------------------------------------------------|
| <b>BIBLIOGRAPHIC DATA SHEET</b>                                                                                                                                                                                                                                                                                                                                     |  | 1. Report No.<br>GSFC/LN-C/013 | 2.                                               | 3. Recipient's Accession No.<br>NTISUE/C/139-013                            |
| 4. Title and Subtitle<br>Landsat 2 Cumulative Non-U.S. Standard Catalog<br>1976/1977                                                                                                                                                                                                                                                                                |  |                                | 5. Report Date<br>January 22, 1977               | 6.                                                                          |
| 7. Author(s)<br>N/A                                                                                                                                                                                                                                                                                                                                                 |  |                                | 8. Performing Organization Repr. No.<br>N/A      | 10. Project/Task/Work Unit No.<br>N/A                                       |
| 9. Performing Organization Name and Address<br>National Aeronautics and Space Administration<br>Goddard Space Flight Center<br>Code 563<br>Greenbelt, Maryland 20771                                                                                                                                                                                                |  |                                | 11. Contract/Grant No.<br>N/A                    | 13. Type of Report & Period Covered<br>annual cum.<br>22 Jan'76 - 22 Jan'77 |
| 12. Sponsoring Organization Name and Address<br>Same as above                                                                                                                                                                                                                                                                                                       |  |                                | 14.                                              |                                                                             |
| 15. Supplementary Notes<br>This document contains both the observation ID and coordinate listings.                                                                                                                                                                                                                                                                  |  |                                |                                                  |                                                                             |
| 16. Abstracts<br>The Landsat (formerly ERTS) Cumulative Non-U.S. Standard Catalog 1976/1977 lists Non-U.S. imagery acquired by Landsat during the year January 22, 1976 through January 22, 1977. Data, such as date acquired, cloud cover and image quality, are given for each scene. The microfilm roll and frame on which the scene may be found is also given. |  |                                |                                                  |                                                                             |
| 17. Key Words and Document Analysis. 17a. Descriptors                                                                                                                                                                                                                                                                                                               |  |                                |                                                  |                                                                             |
| 17b. Identifiers/Open-Ended Terms<br>Landsat (formerly ERTS)<br>ERTS<br>Earth Resources Technology Satellite                                                                                                                                                                                                                                                        |  |                                |                                                  |                                                                             |
| 17c. COSATI Field/Group                                                                                                                                                                                                                                                                                                                                             |  |                                |                                                  |                                                                             |
| 18. Availability Statement                                                                                                                                                                                                                                                                                                                                          |  |                                | 19. Security Class (This Report)<br>UNCLASSIFIED | 21. No. of Pages<br>1427                                                    |
|                                                                                                                                                                                                                                                                                                                                                                     |  |                                | 20. Security Class (This Page)<br>UNCLASSIFIED   | 22. Price                                                                   |

## INTRODUCTION

To provide dissemination of information regarding the availability of Landsat imagery, the Image Processing Facility (IPF), located at the Goddard Space Flight Center, publishes a U. S. and Non-U. S. Standard Catalog on a monthly schedule. These catalogs identify imagery which has been processed and input to the data files during the referenced month. The U. S. Standard Catalog includes imagery covering the continental United States, Alaska and Hawaii; the Non-U. S. Catalog identifies all the remaining coverage. Imagery adjacent to the continental U. S. and Alaska borders will normally appear in the U. S. Standard Catalog. As a supplement to these catalogs, the Landsat imagery of one spectral band is available on 16mm microfilm.

In addition to the routine monthly catalogs, the IPF annually publishes a cumulative U. S. and Non-U. S. Standard Catalog for each satellite, covering a year based on the launch date for that satellite. These catalogs include information on all observations acquired and processed by the facility during that year.

Film products for imagery listed in this catalog are available at a nominal price from all three agencies listed below. In addition, the 16mm microfilm can be purchased from the U. S. Department of the Interior (USDI) EROS Data Center and National Oceanic and Atmospheric Administration (NOAA). Digital tapes can be purchased only from the USDI. EROS Data Center.

|                                                                                              |                                                                                                                                    |
|----------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------|
| U. S. Department of Agriculture . . . . .                                                    | Aerial Photography Field Office<br>2505 Parley's Way<br>Salt Lake City, Utah 84109                                                 |
| U. S. Department of Commerce . . . . .<br>National Oceanic and Atmospheric<br>Administration | Environment Data Service<br>Satellite Data Service Branch<br>D543<br>World Weather Building<br>Room 606<br>Washington, D. C. 20233 |
| U. S. Department of the Interior . . . . .<br>Geological Survey                              | User Services Unit<br>EROS Data Center<br>Sioux Falls, South Dakota 57198                                                          |

## SECTION 1 — STANDARD CATALOG

### 1.1 MONTHLY CATALOGS

The coverage sections contained in the monthly U.S. and Non-U.S. Standard Catalogs are divided into three parts. Part 1 (see Para. 1.1,A) consists of annotated maps which graphically depict the geographic areas covered by imagery listed in the current catalog. Part 2 (see Para. 1.1,B) contains a computer generated listing organized by observation identification number (ID) and includes pertinent information about each image. Part 3 (see Para. 1.1,C) provides a computer listing of observations organized by longitude/latitude.

A. Satellite Coverage Maps. These maps are segregated by cycle and depict the general location of observations listed in the catalog. The format and data content of these maps are slightly different in the U.S. and Non-U.S. catalogs.

1. U.S. Satellite Coverage Maps. Two separate map formats are presented in this catalog. One map outlines the continental U.S. and depicts the estimated cloud cover along each north to south subsatellite path. Each path is identified by actual orbit number and a cross reference, which matches the orbit number to the initial observation ID for that path. The second map provides an enlarged view of Alaska and Hawaii and displays the portion of an orbital pass for which coverage is available. This map does not include cloud cover estimates or orbit numbers.
2. Non-U.S. Satellite Coverage Map. A world outline map is provided with the portions of an orbital swath for which observations are available graphically displayed. This map is intended solely to inform the user as to whether or not coverage is included in the catalog for his area of interest. It is not intended as a rapid reference to specific observations.

B. Observation Identification Number (ID) Listing. The data format for the observation ID listing is identical in the U.S. and Non-U.S. Catalogs. Observation ID numbers are listed in a sequential manner from smallest number to largest. Associated with each ID number in the list is pertinent information about that observation. A sample catalog page with a description of each data item is shown in Figure 1-1.

1. Sample Observation ID Format. See Figure 1-1.

| ① 20:53 APR 04, '75 |                                                    |              |                  |                |                 |                                         |        |              |              |                          | ② FROM 02:01:75 TO 02:28:75 |  |
|---------------------|----------------------------------------------------|--------------|------------------|----------------|-----------------|-----------------------------------------|--------|--------------|--------------|--------------------------|-----------------------------|--|
| ④                   | ⑤                                                  |              | ⑥                | ⑦              | ⑧               | ⑨                                       |        | ⑩            |              | ⑪                        |                             |  |
| OBSERVATION<br>ID   | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS |              | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG |        | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUALITY<br>RBV MSS |                             |  |
| 1943-16381          | 00000/0000                                         | 1-10034/0565 | 02/21/75         | 100            | 3149            | 4728N                                   | 09815W | 25.3         | 144.8        | GGGG                     |                             |  |
| 1943-16383          | 00000/0000                                         | 1-10034/0566 | 02/21/75         | 100            | 3149            | 4603N                                   | 09849W | 26.3         | 143.9        | GGG                      |                             |  |
| 1943-16390          | 00000/0000                                         | 1-10034/0567 | 02/21/75         | 100            | 3149            | 4438N                                   | 09923W | 27.2         | 143.0        | GGG                      |                             |  |
| 1943-16392          | 00000/0000                                         | 1-10034/0568 | 02/21/75         | 70             | 3149            | 4313N                                   | 09955W | 28.2         | 142.1        | GGG                      |                             |  |
| 1943-16395          | 00000/0000                                         | 1-10034/0569 | 02/21/75         | 40             | 3149            | 4147N                                   | 10026W | 29.1         | 141.2        | GGG                      |                             |  |
| 1944-16432          | 00000/0000                                         | 1-10034/0606 | 02/22/75         | 40             | 3163            | 4854N                                   | 09903W | 24.7         | 145.5        | GGGG                     |                             |  |
| 1944-16435          | 00000/0000                                         | 1-10034/0607 | 02/22/75         | 90             | 3163            | 4730N                                   | 09939W | 25.6         | 144.6        | GGGG                     |                             |  |
| 1944-16441          | 00000/0000                                         | 1-10034/0608 | 02/22/75         | 30             | 3163            | 4605N                                   | 10014W | 26.6         | 143.8        | GGGG                     |                             |  |

③ KEY:  
CLOUD COVER  
● 0 TO 100 = % OF CLOUD COVER  
● \*\* NO CLOUD DATA AVAILABLE

IMAGE QUALITY  
● BLANK = BAND NOT PRESENT/REQUESTED  
● G = GOOD P = POOR F = FAIR

Figure 1-1. Observation ID Listing for Standard Catalog

2. Description of Data Items

- ① Date of catalog listing

② Period during which imagery was processed

③ Data quality

④ Observation ID

1010

15165

→ Tens of seconds

→ Minutes of hour

→ Hour of day since launch

→ Day since launch

→ Satellite number

(1 or 5 = LANDSAT 1,  
2 or 6 = LANDSAT 2);  
see Appendix for full  
explanation

⑤ RBV and MSS microfilm roll and image position on roll; note: RBV and MSS images for a given observation may be on two different microfilm rolls

⑥ Date of observation

⑦ Estimated percent of cloud cover

⑧ Orbit number

⑨ Latitude and longitude at observation center (degrees and minutes)

⑩ Sun elevation and azimuth at observation center

⑪ Image quality; see key

- C. Longitude/Latitude Listing. The data format for the longitude/latitude listing is identical in the U.S. and Non-U.S. Catalogs. This listing contains the same observations as the observation ID listing but organizes them by coordinates, using image center location information for each observation. Observations in this listing will be sorted first by longitude and, within longitude, by latitude. The longitude/latitude listing is arranged in the following manner:

180-0 degrees East; 90-0 degrees North and 0-90 degrees South  
followed by

0-180 degrees West; 90-0 degrees North and 0-90 degrees South

This listing is intended to be used as a tool for locating specific coverage, and once a specific observation has been identified, pertinent information about it can be found by referring to the ID listing.

Figure 1-2 below shows a sample catalog page with a description of each data item.

# 1. Sample Longitude/Latitude Format. See Figure 1-2.

| ① 20 53 APR 14, '75     |       |                  |      |                            |                         |       |                  |      |                            | ③ FROM 02 01 '75 TO 02/28/75 |       |                  |      |                            |  |  |  |  |  |
|-------------------------|-------|------------------|------|----------------------------|-------------------------|-------|------------------|------|----------------------------|------------------------------|-------|------------------|------|----------------------------|--|--|--|--|--|
| ② PRINCIPAL PT OF IMAGE |       | ④ OBSERVATION ID | ⑤ CC | ⑥ QUALITY RBV MSS 12345678 | ② PRINCIPAL PT OF IMAGE |       | ④ OBSERVATION ID | ⑤ CC | ⑥ QUALITY RBV MSS 12345678 | ② PRINCIPAL PT OF IMAGE      |       | ④ OBSERVATION ID | ⑤ CC | ⑥ QUALITY RBV MSS 12345678 |  |  |  |  |  |
| LONG                    | LAT   |                  |      |                            | LONG                    | LAT   |                  |      |                            | LONG                         | LAT   |                  |      |                            |  |  |  |  |  |
| 12350W                  | 3608N | 1940-18074       | 80   | GFFI                       | 12421W                  | 3855N | 1923-18132       | 70   | FFGG                       | 12512W                       | 4436N | 1925-18230       | 90   | GGGG                       |  |  |  |  |  |
| 12352W                  | 4027N | 1941-18120       | 100  | GGGG                       | 12437W                  | 4601N | 1925-18224       | 90   | GCGG                       | 12517W                       | 4022N | 1924-18183       | 50   | FFFF                       |  |  |  |  |  |
| 12352W                  | 4020N | 1923-18125       | 90   | TTTT                       | 12447W                  | 4147N | 1924-18181       | 60   | GFFI                       | 12527W                       | 4728N | 1924-18275       | 60   | FFGG                       |  |  |  |  |  |
| 12401W                  | 4726N | 1925-18221       | 90   | GGGG                       | 12449W                  | 3736N | 1941-18125       | 90   | FFGG                       | 12545W                       | 4311N | 1925-18233       | 90   | GCGG                       |  |  |  |  |  |
| 12416W                  | 4313N | 1924-18174       | 70   | TTTT                       | 12449W                  | 3729N | 1923-18134       | 70   | TTTT                       | 12546W                       | 3837N | 1924-18190       | 50   | FFGG                       |  |  |  |  |  |
| 12421W                  | 3901N | 1941-18123       | 100  | GGGG                       | 12451W                  | 4252N | 1926-18273       | 90   | GCGG                       | 12602W                       | 4603N | 1926-18282       | 70   | FFGG                       |  |  |  |  |  |

① KEY

○ CLOUD COVER

○ 0 TO 100 = OF CLOUD COVER

○ \*\* NO CLOUD DATA AVAILABLE

IM'GL QUALITY

○ FLANK = HAND NOT PRESENT REQUESTED

○ G = GOOD P = POOR L = LAIR

⑦ KEY  
CLOUD COVER  
• 0 TO 100 = % OF CLOUD COVER  
• \*\* NO CLOUD DATA AVAILABLE

IMAGE QUALITY  
• FLANK - HAND NOT PRESENT REQUESTED  
• G = GOOD P = POOR T = FAIR

Figure 1-2. Coordinate Listing for Standard Catalog

## 2. Description of Data Items

- |                                                                      |                                    |
|----------------------------------------------------------------------|------------------------------------|
| ① Date of catalog listing                                            | ⑤ Estimated percent of cloud cover |
| ② Period during which imagery was processed                          | ⑥ Image quality; see key           |
| ③ Longitude and latitude at observation center (degrees and minutes) | ⑦ Data quality                     |
| ④ Observation ID (see Fig. 1-1, Para. 1.1, B, 2)                     |                                    |



## 1.2 CUMULATIVE STANDARD CATALOGS

Annually, a cumulative catalog is produced which includes information covering all observations and coordinates acquired and processed by the IPF during that year.

### A. Observation ID Listing.

1. Sample Observation ID Format. See Figure 1-1.
2. Description of Data Items. See Paragraph 1.1, B, 2.

### B. Coordinate ID Listing. The coordinate ID listing format is expanded to identify observations for which color or digital products have been made.

1. Sample Coordinate ID Format. See Figure 1-3.

| ⑨                           |       | ① 15:36 MAR 11, '74 | ⑤                                       |              | ⑥                | ⑦                   | ② FROM 07/23/72 TO 07/23/74 |              |              | ⑩             | ⑪            | ⑫                                |
|-----------------------------|-------|---------------------|-----------------------------------------|--------------|------------------|---------------------|-----------------------------|--------------|--------------|---------------|--------------|----------------------------------|
| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID   | MICROFILM ROLL NO./<br>POSITION IN ROLL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER             | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUALITY |              | PRODUCTS<br>B P P B P<br>C C D D |
| LONG                        | LAT   |                     | RBV                                     | MSS          |                  |                     |                             |              |              | RBV<br>123    | MSS<br>45678 |                                  |
| 07607W                      | 3734N | 1295-15144          | 00000/0000                              | 10010/1659   | 05/14/73         | 20                  | 4112                        | 60.2         | 122.0        |               |              | M                                |
| 07607W                      | 3731N | 1259-15150          | 00000/0000                              | 10010/0088   | 04/08/73         | 90                  | 3610                        | 50.7         | 133.2        |               | GGGG         | M                                |
| 07607W                      | 3731N | 1313-15143          | 00000/0000                              | 10011/0920   | 06/01/73         | 80                  | 4363                        | 62.3         | 116.2        |               | GGGG         | M                                |
| 07608W                      | 4438N | 1027-15231          | 00000/0000                              | 1-10001/1498 | 08/19/72         | 0                   | 375                         | 50.2         | 136.9        |               | GGGG         | M                                |
| 07608W                      | 3731N | 1331-15142          | 00000/0000                              | 1-10011/1589 | 06/19/73         | 100                 | 4614                        | 62.4         | 112.8        |               | GGGG         | M                                |
| 07608W                      | 3724N | 1349-15141          | 00000/0000                              | 1-10012/1387 | 07/07/73         | 10                  | 4865                        | 61.2         | 112.9        |               | PGPP         | M                                |
| 07609W                      | 4851N | 1352-15275          | 00000/0000                              | 1-10012/1622 | 07/10/73         | 60                  | 4907                        | 56.7         | 133.9        |               | G            | M                                |
| 07609W                      | 3144N | 1006-15093          | 1-10001/0377                            | 1-10001/0378 | 07/29/72         | 100                 | 82                          | 59.7         | 108.3        | GGG           | PPGG         |                                  |

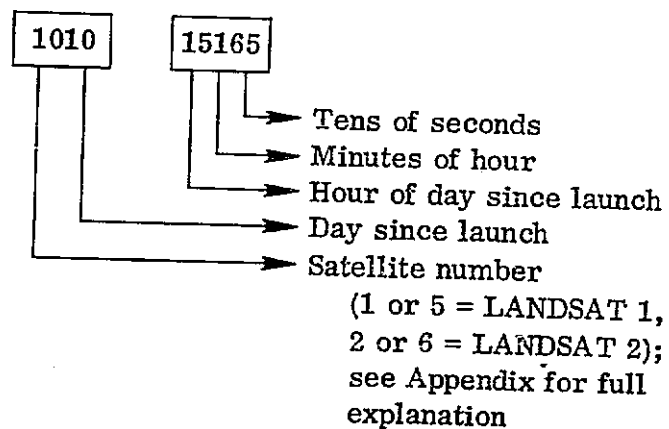
③ KEY:

|                               |                                      |                                       |
|-------------------------------|--------------------------------------|---------------------------------------|
| CLOUD COVER                   | IMAGE QUALITY                        | PRODUCTS ALREADY MADE                 |
| ● 0 TO 100 = % OF CLOUD COVER | ● BLANK = BAND NOT PRESENT/REQUESTED | ● R = MADE FROM RBV M = MADE FROM MSS |
|                               | ● G = GOOD P = POOR F = FAIR         | B = MADE FROM RBV AND MSS             |

Figure 1-3. Coordinate Listing for Cumulative Standard Catalog

## 2. Description of Data Items

- ① Date of catalog listing
- ② Period during which imagery was processed
- ③ Data quality
- ④ Observation ID



- ⑤ RBV and MSS microfilm roll and image position on roll; note: RBV and MSS images for a given observation may be on two different microfilm rolls
- ⑥ Date of observation
- ⑦ Estimated percent of cloud cover
- ⑧ Orbit number
- ⑨ Latitude and longitude at observation center (degrees and minutes)
- ⑩ Sun elevation and azimuth at observation center
- ⑪ Image quality; see key
- ⑫ Image/data product availability; see key

## SECTION 2 — MICROFILM

### 2.1 GENERAL

The Image Processing Facility produces a 16 mm microfilm inventory of imagery processed during the referenced month and is organized for convenient use with the Standard Catalog.

As in the case of the Standard Catalog, the microfilm data is divided into U.S. and Non-U.S. segments. Each set of microfilm images is in exact correspondence to a Standard Catalog and can be used in conjunction with the catalog for selecting desired images. A maximum of 1900 images will be contained on one roll of 16 mm x 100 ft microfilm. Because the microfilm images are intended to provide only a summary of the data available, the images are limited to one band each for the RBV and MSS. Although a single observation will produce seven images, in the production of microfilm only the RBV Spectral Band 2 images (0.580 - 0.680 microns) and MSS Spectral Band 2 images (0.6 - 0.7 microns) are reproduced. Each image is a photograph of a 70 mm (-2) image and contains the image identifier and annotation block. See Figure 2-1.

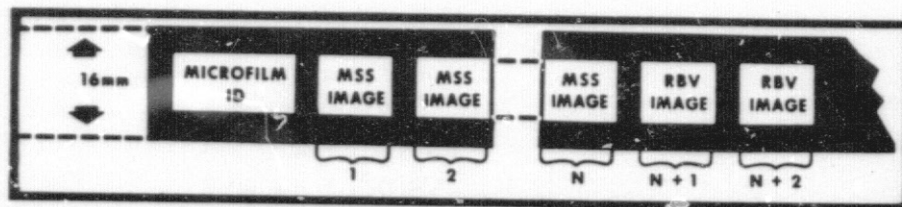


Figure 2-1. Microfilm Format

Microfilm roll numbers contain six digits. The first digit designates the satellite number (blank or 1- = LANDSAT 1, 2- = LANDSAT 2). Example: Roll number 10032 and roll number 1-10034 are both LANDSAT 1 rolls. Roll 2-10032 is a LANDSAT 2 roll. The second digit will be a 1 (for U.S. rolls) or a 2 (for Non-U.S. rolls). The remaining digits are used to number sequentially all microfilm rolls prepared within each group. Example: Roll number 10001 is the first U.S. roll of microfilm produced for LANDSAT 1. Roll number 20004 is the fourth Non-U.S. roll to be produced for LANDSAT 1. The first U.S. roll of microfilm for LANDSAT 2 is number 2-10001.

The microfilm contains two rapid search capabilities to help the user quickly reach the desired scene. They are:

- Code Line Indexing
- Blip Encoding

## 2.2 CODE LINE INDEXING

The LANDSAT microfilm images have been annotated with visual code lines to the right of each frame. The visual code lines graduate up the edge of the screen as the film advances and allow the user to advance rapidly to within 20 frames of his desired image. See Figure 2-2.

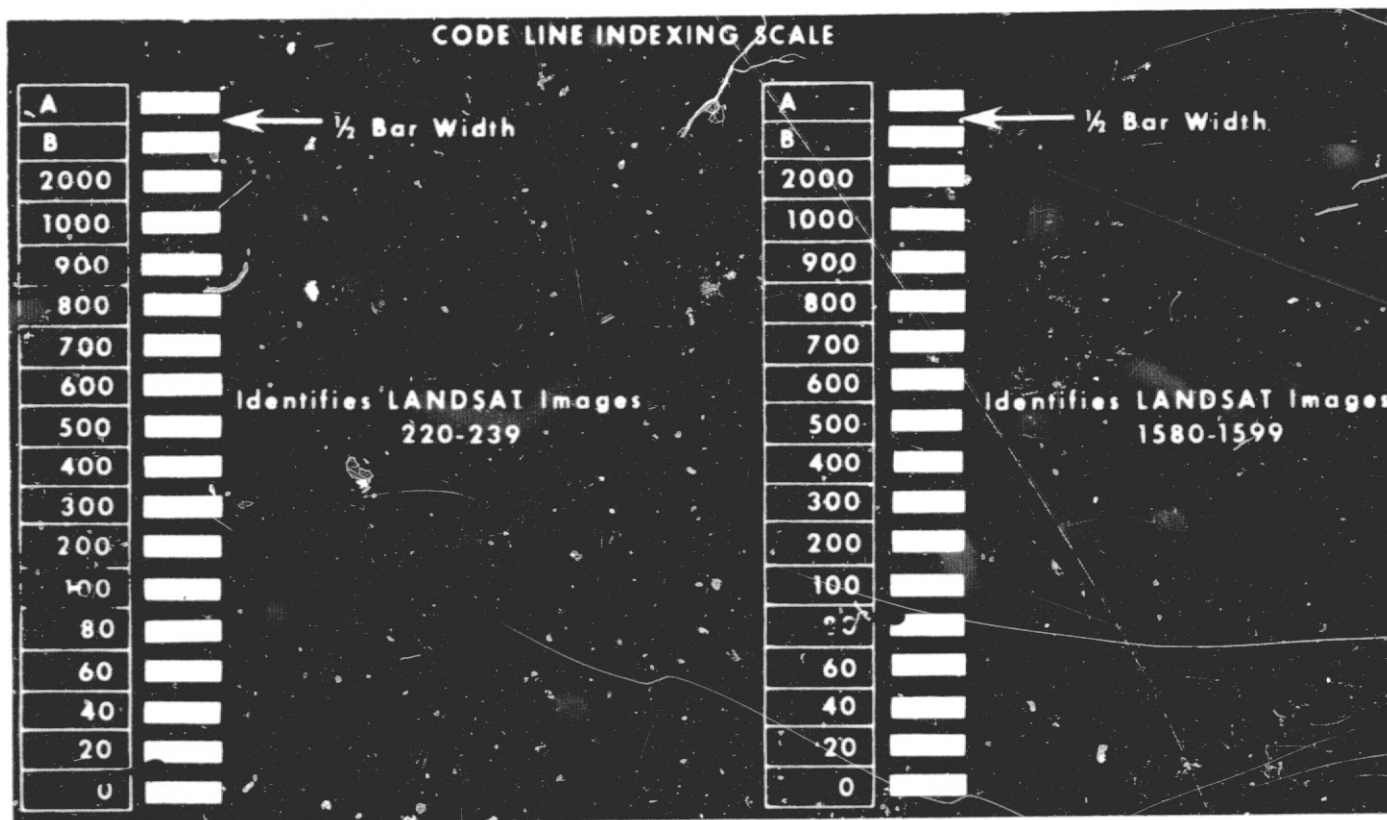


Figure 2-2. Code Line Indexing Scale

To utilize this system, a user must generate a code line indexing bar scale to attach to the face of his viewers. The size and spacing for the bar scale is dependent upon the magnification of his viewer. LANDSAT imagery is microfilmed at a reduction ratio of 8.5x. To determine the overall length of a scale required for your microfilm reader, multiply 7.4 mm by the enlargement factor of your lens. To determine the bar widths along the bar scale, multiply 0.24 mm by the same factor. A space between each bar should exist that is 1/2 the bar width.

### 2.3 BLIP ENCODING

The LANDSAT microfilm images have also been annotated with a blip (black spot) at the base of each frame. This type of encoding is designed for use on readers with an electronic sensing and counting capability or an odometer. To use the blip encoding retrieval system, the film will have to be placed in a cartridge. When the cartridge is placed in a reader which contains an odometer or has a keyboard attached, the identification of the desired image is obtained from the Standard Catalog (column 6, Microfilm Position) and either punched on the keyboard or read via the odometer as the film advances. Using a reader configured for rapid search and retrieval, the film advances and the frames (blips) are counted by means of a photosensing light. When the appropriate number has been counted, the reader stops and the desired image is projected on the screen. Using a reader with an odometer requires the user to monitor the odometer as the film advances and stop the advance of the film in the vicinity of the required frame.

# SECTION 3 — LANDSAT 2 CYCLES

| Cycle         | Days Since Launch |     | Calendar Date |           | Cycle | Days Since Launch |     | Calendar Date |           |
|---------------|-------------------|-----|---------------|-----------|-------|-------------------|-----|---------------|-----------|
|               | Begin             | End | Begin         | End       |       | Begin             | End | Begin         | End       |
| First 22 days | 1                 | 22  | 22 Jan 75     | 13 Feb 75 | 19    | 347               | 334 | 4 Jan 76      | 21 Jan 76 |
| 1             | 23                | 40  | 14 Feb 75     | 3 Mar 75  | 20    | 365               | 382 | 22 Jan 76     | 8 Feb 76  |
| 2             | 41                | 58  | 4 Mar 75      | 21 Mar 75 | 21    | 383               | 400 | 9 Feb 76      | 26 Feb 76 |
| 3             | 59                | 76  | 22 Mar 75     | 8 Apr 75  | 22    | 401               | 418 | 27 Feb 76     | 15 Mar 76 |
| 4             | 77                | 94  | 9 Apr 75      | 26 Apr 75 | 23    | 419               | 436 | 16 Mar 76     | 2 Apr 76  |
| 5             | 95                | 112 | 27 Apr 75     | 14 May 75 | 24    | 437               | 454 | 3 Apr 76      | 20 Apr 76 |
| 6             | 113               | 130 | 15 May 75     | 1 Jun 75  | 25    | 455               | 472 | 21 Apr 76     | 8 May 76  |
| 7             | 131               | 148 | 2 Jun 75      | 19 Jun 75 | 26    | 473               | 490 | 9 May 76      | 26 May 76 |
| 8             | 149               | 188 | 20 Jun 75     | 7 Jul 75  | 27    | 491               | 508 | 27 May 76     | 13 Jun 76 |
| 9             | 167               | 184 | 8 Jul 75      | 25 Jul 75 | 28    | 509               | 526 | 14 Jun 76     | 1 Jul 76  |
| 10            | 185               | 202 | 26 Jul 75     | 12 Aug 75 | 29    | 527               | 544 | 2 Jul 76      | 19 Jul 76 |
| 11            | 203               | 220 | 13 Aug 75     | 30 Aug 75 | 30    | 545               | 562 | 20 Jul 76     | 6 Aug 76  |
| 12            | 221               | 238 | 31 Aug 75     | 17 Sep 75 | 31    | 563               | 580 | 7 Aug 76      | 24 Aug 76 |
| 13            | 239               | 256 | 18 Sep 75     | 5 Oct 75  | 32    | 581               | 598 | 25 Aug 76     | 11 Sep 76 |
| 14            | 257               | 274 | 6 Oct 75      | 23 Oct 75 | 33    | 599               | 616 | 12 Sep 76     | 29 Sep 76 |
| 15            | 275               | 292 | 24 Oct 75     | 10 Nov 75 | 34    | 617               | 634 | 30 Sep 76     | 17 Oct 76 |
| 16            | 293               | 310 | 11 Nov 75     | 28 Nov 75 | 35    | 635               | 652 | 18 Oct 76     | 4 Nov 76  |
| 17            | 311               | 328 | 29 Nov 75     | 16 Dec 75 | 36    | 653               | 670 | 5 Nov 76      | 22 Nov 76 |
| 18            | 329               | 346 | 17 Dec 75     | 3 Jan 76  | 37    | 671               | 688 | 23 Nov 76     | 10 Dec 76 |

Additional Landsat data is acquired, processed, and archived at several other locations throughout the world. The location of these Data Banks are:

Brazil

Instituto de Pesquisas Espaciais  
Av. dos Astronautas, 1758  
Caixa Postal 515  
12.200 - Sao Jose dos Campos  
Sao Paulo, Brazil  
Attention: Dr. Nelson de Jesus Parada

Iran

Satellite Applications Project  
Plan and Budget Organization  
Imperial Government of Iran  
80 Sepand Avenue  
Tehran, Iran  
Attention: Mr. Ali Ghazi

Canada

Canada Centre for Remote Sensing  
2464 Sheffield Road  
Ottawa, Canada  
K1A 0Y7  
Attention: Landsat User Services

Italy

Telespazio  
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Corso d'Italia 42-43  
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Attention: Mrs. G. Calabresi

For information concerning data available in these regions, it is suggested that the above data banks be contacted directly at the above addresses.

# **OBSERVATION ID LISTING**



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LANOSAT-2  
OBSERVATION ID LISTING  
FSR NAN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0001

| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | SUN<br>NUMBER | PRINCIPAL PRINT<br>SF IMAGE<br>LAT | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>LOW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-------------|---------------|------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2365-01250        | 00000/0000                                     | 2-20019/0166     | 01/22/76    | 10            | 5080                               | 3847N        | 12807E       | 23.5              | 145.7               | GGGG                 | 124                     | 33                     |
| 2365-01253        | 00000/0000                                     | 2-20019/0167     | 01/22/76    | 10            | 5080                               | 3722N        | 12738E       | 24.5              | 145.0               | GGGG                 | 124                     | 34                     |
| 2365-01314        | 00000/0000                                     | 2-20019/0168     | 01/22/76    | 87            | 5080                               | 1551N        | 12142E       | 38.2              | 132.4               | GGGG                 | 124                     | 49                     |
| 2365-01321        | 00000/0000                                     | 2-20019/0169     | 01/22/76    | 80            | 5080                               | 1425N        | 12122E       | 39.0              | 131.3               | GGGG                 | 124                     | 50                     |
| 2365-01323        | 00000/0000                                     | 2-20019/0170     | 01/22/76    | 40            | 5080                               | 1300N        | 12101E       | 39.8              | 130.2               | FFGG                 | 124                     | 51                     |
| 2365-01330        | 00000/0000                                     | 2-20019/0171     | 01/22/76    | 30            | 5080                               | 1133N        | 12040E       | 40.5              | 129.1               | GGGG                 | 124                     | 52                     |
| 2365-01332        | 00000/0000                                     | 2-20019/0172     | 01/22/76    | 70            | 5080                               | 1006N        | 12020E       | 41.2              | 128.0               | GGGG                 | 124                     | 53                     |
| 2365-01335        | 00000/0000                                     | 2-20019/0173     | 01/22/76    | 80            | 5080                               | 0839N        | 12000E       | 41.9              | 126.8               | GGGF                 | 124                     | 54                     |
| 2365-01341        | 00000/0000                                     | 2-20019/0174     | 01/22/76    | 90            | 5080                               | 0713N        | 11940E       | 42.6              | 125.6               | GGGF                 | 124                     | 55                     |
| 2365-03132        | 00000/0000                                     | 2-20019/0175     | 01/22/76    | 60            | 5081                               | 2136N        | 09720E       | 34.9              | 136.2               | GGGG                 | 142                     | 45                     |
| 2365-03134        | 00000/0000                                     | 2-20019/0176     | 01/22/76    | 40            | 5081                               | 2010N        | 09658E       | 35.7              | 135.3               | GGGG                 | 142                     | 46                     |
| 2365-03141        | 00000/0000                                     | 2-20019/0177     | 01/22/76    | 10            | 5081                               | 1844N        | 09636E       | 36.6              | 134.4               | GGGG                 | 142                     | 47                     |
| 2365-03143        | 00000/0000                                     | 2-20019/0178     | 01/22/76    | 10            | 5081                               | 1717N        | 09615E       | 37.4              | 133.4               | GGGG                 | 142                     | 48                     |
| 2365-03150        | 00000/0000                                     | 2-20019/0179     | 01/22/76    | 10            | 5081                               | 1551N        | 09554E       | 38.2              | 132.4               | GGGF                 | 142                     | 49                     |
| 2365-04525        | 00000/0000                                     | 2-20019/0187     | 01/22/76    | 10            | 5082                               | 3430N        | 07507E       | 26.5              | 143.5               | GGGG                 | 160                     | 36                     |
| 2365-04531        | 00000/0000                                     | 2-20019/0188     | 01/22/76    | 30            | 5082                               | 3304N        | 07441E       | 27.5              | 142.8               | GGGF                 | 160                     | 37                     |
| 2365-04534        | 00000/0000                                     | 2-20019/0189     | 01/22/76    | 70            | 5082                               | 3135N        | 07415E       | 28.5              | 142.0               | GGGF                 | 160                     | 38                     |
| 2365-04540        | 00000/0000                                     | 2-20019/0190     | 01/22/76    | 10            | 5082                               | 3013N        | 07350E       | 29.4              | 141.3               | GG                   | 160                     | 39                     |
| 2365-04543        | 00000/0000                                     | 2-20019/0191     | 01/22/76    | 10            | 5082                               | 2847N        | 07326E       | 30.4              | 140.5               | GGG                  | 160                     | 40                     |
| 2365-04545        | 00000/0000                                     | 2-20019/0192     | 01/22/76    | 10            | 5082                               | 2721N        | 07302E       | 31.3              | 139.7               | GGG                  | 160                     | 41                     |
| 2365-04554        | 00000/0000                                     | 2-20019/0193     | 01/22/76    | 0             | 5082                               | 2429N        | 07216E       | 33.1              | 138.0               | GGG                  | 160                     | 43                     |
| 2365-04561        | 00000/0000                                     | 2-20019/0194     | 01/22/76    | 0             | 5082                               | 2302N        | 07153E       | 34.0              | 137.1               | GGG                  | 160                     | 44                     |
| 2365-04563        | 00000/0000                                     | 2-20019/0195     | 01/22/76    | 0             | 5082                               | 2136N        | 07131E       | 34.9              | 136.2               | GGG                  | 160                     | 45                     |
| 2365-05240        | 00000/0000                                     | 2-20019/0196     | 01/22/76    | 90            | 5082                               | 7125S        | 03232E       | 25.4              | 76.5                | GGG                  | 160                     | 111                    |
| 2365-06415        | 00000/0000                                     | 2-20020/0082     | 01/22/76    | 0             | 5083                               | 1426N        | 04356E       | 39.0              | 131.3               | GGG                  | 178                     | 50                     |
| 2365-06422        | 00000/0000                                     | 2-20020/0083     | 01/22/76    | 20            | 5083                               | 1300N        | 04335E       | 39.8              | 130.2               | GGGG                 | 178                     | 51                     |
| 2365-06424        | 00000/0000                                     | 2-20020/0084     | 01/22/76    | 30            | 5083                               | 1133N        | 04314E       | 40.5              | 129.1               | FFGG                 | 178                     | 52                     |
| 2365-06431        | 00000/0000                                     | 2-20020/0085     | 01/22/76    | 10            | 5083                               | 1006N        | 04253E       | 41.2              | 127.9               | GGGG                 | 178                     | 53                     |
| 2365-06433        | 00000/0000                                     | 2-20020/0086     | 01/22/76    | 0             | 5083                               | 0840N        | 04233E       | 41.9              | 126.8               | GGGG                 | 178                     | 54                     |
| 2365-06440        | 00000/0000                                     | 2-20020/0087     | 01/22/76    | 0             | 5083                               | 0714N        | 04213E       | 42.6              | 125.5               | GGGG                 | 178                     | 55                     |
| 2365-06442        | 00000/0000                                     | 2-20020/0088     | 01/22/76    | 0             | 5083                               | 0547N        | 04153E       | 43.2              | 124.3               | GGGG                 | 178                     | 56                     |
| 2365-06445        | 00000/0000                                     | 2-20020/0081     | 01/22/76    | 10            | 5083                               | 0420N        | 04134E       | 43.8              | 123.0               | G                    | 178                     | 57                     |
| 2365-06451        | 00000/0000                                     | 2-20020/0089     | 01/22/76    | 10            | 5083                               | 0254N        | 04114E       | 44.4              | 121.7               | GGGG                 | 178                     | 58                     |
| 2365-06454        | 00000/0000                                     | 2-20020/0090     | 01/22/76    | 20            | 5083                               | 0128N        | 04054E       | 45.0              | 120.4               | GGGG                 | 178                     | 59                     |
| 2365-06460        | 00000/0000                                     | 2-20020/0091     | 01/22/76    | 40            | 5083                               | 0002N        | 04034E       | 45.5              | 119.0               | GGGG                 | 178                     | 60                     |
| 2365-06463        | 00000/0000                                     | 2-20020/0092     | 01/22/76    | 90            | 5083                               | 0123S        | 04014E       | 45.9              | 117.6               | GGGG                 | 178                     | 61                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FSR NON-US  
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| OBSERVATION ID | MICROFILM ROLL NO./ POSITION IN ROLL | DATE ACQUIRED | CLOUD COVER | SUN ORBIT NUMBER | PRINCIPAL POINT OF IMAGE | SUN ELEV. | SUN AZIM.  | IMAGE-QUAL | MSS DATA | MSS IMAGE | ORBIT PATH | FRAME ROW |
|----------------|--------------------------------------|---------------|-------------|------------------|--------------------------|-----------|------------|------------|----------|-----------|------------|-----------|
|                | RBV MSS                              |               |             |                  | LAT LONG                 |           |            | 123 45678  | MODE     | GAIN      | NUMBER     | NUMBER    |
| 2365-06465     | 00000/0000 2-20020/0093              | 01/22/76      | 70          | 5083             | 0250S                    | 03953E    | 46.4 116.1 |            |          |           | 178        | 62        |
| 2365-06472     | 00000/0000 2-20020/0094              | 01/22/76      | 40          | 5083             | 0417S                    | 03933E    | 46.8 114.7 | GGGG       |          |           | 178        | 63        |
| 2365-06474     | 00000/0000 2-20020/0095              | 01/22/76      | 20          | 5083             | 0544S                    | 03913E    | 47.2 113.2 | GGGG       |          |           | 178        | 64        |
| 2365-06481     | 00000/0000 2-20020/0096              | 01/22/76      | 50          | 5083             | 0710S                    | 03853E    | 47.5 111.7 | GGGG       |          |           | 178        | 65        |
| 2365-06483     | 00000/0000 2-20020/0097              | 01/22/76      | 50          | 5083             | 0836S                    | 03833E    | 47.8 110.1 | GGGG       |          |           | 178        | 66        |
| 2365-08135     | 00000/0000 2-20020/0045              | 01/22/76      | 30          | 5084             | 5256N                    | 03041E    | 13.1 152.4 | GGGG       |          |           | 196        | 23        |
| 2365-08153     | 00000/0000 2-20020/0046              | 01/22/76      | 30          | 5084             | 4717N                    | 02803E    | 17.4 149.7 | GGGG       |          |           | 196        | 27        |
| 2365-08160     | 00000/0000 2-20020/0047              | 01/22/76      | 20          | 5084             | 4553N                    | 02728E    | 18.4 149.0 | GGGG       |          |           | 196        | 28        |
| 2365-08201     | 00000/0000 2-20020/0048              | 01/22/76      | 90          | 5084             | 3139N                    | 02237E    | 28.5 142.0 | GGGF       |          |           | 196        | 35        |
| 2365-08203     | 00000/0000 2-20020/0049              | 01/22/76      | 20          | 5084             | 3013N                    | 02212E    | 29.4 141.2 | GGGF       |          |           | 196        | 39        |
| 2365-08210     | 00000/0000 2-20020/0050              | 01/22/76      | 0           | 5084             | 2846N                    | 02148E    | 30.4 140.4 | GGGF       |          |           | 196        | 40        |
| 2365-08212     | 00000/0000 2-20020/0051              | 01/22/76      | 0           | 5084             | 2720N                    | 02124E    | 31.3 139.6 | FGFF       |          |           | 196        | 41        |
| 2365-08215     | 00000/0000 2-20020/0052              | 01/22/76      | 0           | 5084             | 2554N                    | 02101E    | 32.2 138.8 | FGFF       |          |           | 196        | 42        |
| 2365-08221     | 00000/0000 2-20020/0053              | 01/22/76      | 0           | 5084             | 2428N                    | 02038E    | 33.2 138.0 | FGGF       |          |           | 196        | 43        |
| 2365-08224     | 00000/0000 2-20020/0054              | 01/22/76      | 0           | 5084             | 2302N                    | 02015E    | 34.0 137.1 | FGGF       |          |           | 196        | 44        |
| 2365-08233     | 00000/0000 2-20020/0055              | 01/22/76      | 10          | 5084             | 2010N                    | 01931E    | 35.8 135.2 | FGGF       |          |           | 196        | 46        |
| 2365-08235     | 00000/0000 2-20020/0056              | 01/22/76      | 0           | 5084             | 1844N                    | 01909E    | 36.6 134.3 | FGGF       |          |           | 196        | 47        |
| 2365-08242     | 00000/0000 2-20020/0057              | 01/22/76      | 0           | 5084             | 1718N                    | 01848E    | 37.4 133.3 | FGGF       |          |           | 196        | 48        |
| 2365-08244     | 00000/0000 2-20020/0058              | 01/22/76      | 0           | 5084             | 1551N                    | 01827E    | 38.2 132.3 | FGGF       |          |           | 196        | 49        |
| 2365-08251     | 00000/0000 2-20020/0059              | 01/22/76      | 0           | 5084             | 1424N                    | 01806E    | 39.0 131.2 | FGGF       |          |           | 196        | 50        |
| 2365-08253     | 00000/0000 2-20020/0060              | 01/22/76      | 0           | 5084             | 1259N                    | 01746E    | 39.8 130.2 | FGGF       |          |           | 196        | 51        |
| 2365-08262     | 00000/0000 2-20020/0125              | 01/22/76      | 0           | 5084             | 1006N                    | 01704E    | 41.2 127.9 | GGGG       |          |           | 196        | 53        |
| 2365-08265     | 00000/0000 2-20020/0126              | 01/22/76      | 10          | 5084             | 0839N                    | 01643E    | 41.9 126.7 | GGGG       |          |           | 196        | 54        |
| 2365-08271     | 00000/0000 2-20020/0127              | 01/22/76      | 20          | 5084             | 0713N                    | 01623E    | 42.6 125.5 | GGGG       |          |           | 196        | 55        |
| 2365-08310     | 00000/0000 2-20020/0098              | 01/22/76      | 90          | 5084             | 0544S                    | 01324E    | 47.2 113.1 | FGGG       |          |           | 196        | 64        |
| 2365-09580     | 00000/0000 2-20020/0099              | 01/22/76      | 100         | 5085             | 5006N                    | 00329E    | 15.3 151.0 | GGGG       |          |           | 214        | 25        |
| 2365-09583     | 00000/0000 2-20020/0100              | 01/22/76      | 100         | 5085             | 4842N                    | 00250E    | 16.3 150.3 | GGGG       |          |           | 214        | 26        |
| 2365-10024     | 00000/0000 2-20020/0101              | 01/22/76      | 0           | 5085             | 3430N                    | 00220W    | 26.6 143.5 | GGFG       |          |           | 214        | 36        |
| 2365-10030     | 00000/0000 2-20020/0102              | 01/22/76      | 0           | 5085             | 3304N                    | 00245W    | 27.5 142.7 | GGGG       |          |           | 214        | 37        |
| 2365-10033     | 00000/0000 2-20020/0161              | 01/22/76      | 0           | 5085             | 3138N                    | 00311W    | 28.5 142.0 | GF G       |          |           | 214        | 38        |
| 2365-10035     | 00000/0000 2-20020/0162              | 01/22/76      | 0           | 5085             | 3012N                    | 00336W    | 29.5 141.2 | GF F       |          |           | 214        | 39        |
| 2365-10042     | 00000/0000 2-20020/0163              | 01/22/76      | 0           | 5085             | 2846N                    | 00420W    | 30.4 140.4 | GF F       |          |           | 214        | 40        |
| 2365-10044     | 00000/0000 2-20020/0164              | 01/22/76      | 0           | 5085             | 2721N                    | 00424W    | 31.3 139.6 | FGFG       |          |           | 214        | 41        |
| 2365-10051     | 00000/0000 2-20020/0165              | 01/22/76      | 10          | 5085             | 2555N                    | 00448W    | 32.3 138.8 | FFPG       |          |           | 214        | 42        |
| 2365-10053     | 00000/0000 2-20020/0166              | 01/22/76      | 10          | 5085             | 2428N                    | 00511W    | 33.2 137.9 | FF G       |          |           | 214        | 43        |
| 2365-10063     | 00000/0000 2-20020/0167              | 01/22/76      | 10          | 5085             | 1425N                    | 00743W    | 39.0 131.2 | FFFF       |          |           | 214        | 50        |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN REEL | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|-------------------------------|------------------|----------------|------------------------|-----------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
|                   | RBV<br>MSS                    |                  |                |                        | LAT<br>LONG           |              |              | 123 45678             |                     |                      |                         |                        |
| 2365-12200        | 00000/0000                    | 2-20020/0168     | 01/22/76       | 90                     | 5086                  | 7908S        | 09844W       | 18.2 100.4            | FFPG                |                      | 231                     | 118                    |
| 2365-13473        | 00000/0000                    | 2-20020/0103     | 01/22/76       | 10                     | 5087                  | 2842S        | 06948W       | 47.6 88.4             | GGFG                |                      | 250                     | 80                     |
| 2365-13475        | 00000/0000                    | 2-20020/0104     | 01/22/76       | 10                     | 5087                  | 3007S        | 07013W       | 47.3 87.0             | GGGG                |                      | 250                     | 81                     |
| 2365-13482        | 00000/0000                    | 2-20020/0105     | 01/22/76       | 10                     | 5087                  | 3133S        | 07037W       | 47.0 85.6             | GGGG                |                      | 250                     | 82                     |
| 2365-13484        | 00000/0000                    | 2-20020/0106     | 01/22/76       | 30                     | 5087                  | 3259S        | 07102W       | 46.6 84.3             | FGGF                |                      | 250                     | 83                     |
| 2365-13491        | 00000/0000                    | 2-20020/0107     | 01/22/76       | 30                     | 5087                  | 3404S        | 07127W       | 46.1 83.1             | FFFF                |                      | 250                     | 84                     |
| 2365-13493        | 00000/0000                    | 2-20020/0108     | 01/22/76       | 20                     | 5087                  | 3549S        | 07153W       | 45.7 81.8             | FFFF                |                      | 250                     | 85                     |
| 2365-13500        | 00000/0000                    | 2-20020/0109     | 01/22/76       | 10                     | 5087                  | 3713S        | 07221W       | 45.2 80.7             | FGFF                |                      | 250                     | 86                     |
| 2365-13502        | 00000/0000                    | 2-20020/0110     | 01/22/76       | 10                     | 5087                  | 3839S        | 07249W       | 44.7 79.5             | GGF                 |                      | 250                     | 87                     |
| 2365-13505        | 00000/0000                    | 2-20020/0111     | 01/22/76       | 20                     | 5087                  | 4004S        | 07318W       | 44.1 78.5             | GGG                 |                      | 250                     | 88                     |
| 2365-13511        | 00000/0000                    | 2-20020/0112     | 01/22/76       | 60                     | 5087                  | 4129S        | 07348W       | 43.5 77.5             | GGG                 |                      | 250                     | 89                     |
| 2365-15052        | 00000/0000                    | 2-20020/0169     | 01/22/76       | 0                      | 5088                  | 5830N        | 06918W       | 8.9 155.5             | FFGG                |                      | 17                      | 19                     |
| 2365-15054        | 00000/0000                    | 2-20020/0170     | 01/22/76       | 10                     | 5088                  | 5706N        | 07013W       | 10.0 154.7            | GFP G               |                      | 17                      | 20                     |
| 2365-15061        | 00000/0000                    | 2-20020/0171     | 01/22/76       | 20                     | 5088                  | 5543N        | 07103W       | 11.0 153.9            | FP G                |                      | 17                      | 21                     |
| 2365-15070        | 00000/0000                    | 2-20020/0172     | 01/22/76       | 30                     | 5088                  | 5255N        | 07235W       | 13.2 152.4            | FF G                |                      | 17                      | 23                     |
| 2365-15072        | 00000/0000                    | 2-20020/0173     | 01/22/76       | 40                     | 5088                  | 5131N        | 07318W       | 14.2 151.7            | PP G                |                      | 17                      | 24                     |
| 2365-15075        | 00000/0000                    | 2-20020/0174     | 01/22/76       | 30                     | 5088                  | 5006N        | 07358W       | 15.3 151.0            | FP G                |                      | 17                      | 25                     |
| 2365-16490        | 00000/0000                    | 2-20020/0175     | 01/22/76       | 80                     | 5089                  | 5706N        | 09604W       | 10.0 154.7            | FFFF                |                      | 35                      | 20                     |
| 2365-16492        | 00000/0000                    | 2-20020/0160     | 01/22/76       | 100                    | 5089                  | 5543N        | 09654W       | 11.0 153.9            | F F                 |                      | 35                      | 21                     |
| 2365-16495        | 00000/0000                    | 2-20020/0176     | 01/22/76       | 90                     | 5089                  | 5420N        | 09741W       | 12.1 153.1            | FP F                |                      | 35                      | 22                     |
| 2365-16501        | 00000/0000                    | 2-20020/0198     | 01/22/76       | 100                    | 5089                  | 5255N        | 09826W       | 13.2 152.4            | GGGG                |                      | 35                      | 23                     |
| 2365-16504        | 00000/0000                    | 2-20020/0199     | 01/22/76       | 100                    | 5089                  | 5130N        | 09909W       | 14.3 151.7            | GGGG                |                      | 35                      | 24                     |
| 2365-18315        | 00000/0000                    | 2-20020/0200     | 01/22/76       | 30                     | 5090                  | 5830N        | 12058W       | 8.9 155.5             | GGGG                |                      | 53                      | 19                     |
| 2365-18322        | 00000/0000                    | 2-20020/0201     | 01/22/76       | 70                     | 5090                  | 5707N        | 12152W       | 10.0 154.7            | GGGG                |                      | 53                      | 20                     |
| 2365-18324        | 00000/0000                    | 2-20020/0202     | 01/22/76       | 80                     | 5090                  | 5543N        | 12243W       | 11.1 153.9            | GGGG                |                      | 53                      | 21                     |
| 2365-18331        | 00000/0000                    | 2-20020/0203     | 01/22/76       | 50                     | 5090                  | 5419N        | 12330W       | 12.1 153.1            | GGGG                |                      | 53                      | 22                     |
| 2365-18333        | 00000/0000                    | 2-20020/0204     | 01/22/76       | 40                     | 5090                  | 5255N        | 12415W       | 13.2 152.4            | GGGG                |                      | 53                      | 23                     |
| 2365-18340        | 00000/0000                    | 2-20020/0205     | 01/22/76       | 70                     | 5090                  | 5131N        | 12457W       | 14.3 151.7            | GGGG                |                      | 53                      | 24                     |
| 2365-18351        | 00000/0000                    | 2-20020/0206     | 01/22/76       | 90                     | 5090                  | 4717N        | 12652W       | 17.4 149.6            | GGGG                |                      | 53                      | 27                     |
| 2366-01313        | 00000/0000                    | 2-20020/0128     | 01/23/76       | 80                     | 5094                  | 3554N        | 12544E       | 25.7 144.0            | GGGG                |                      | 125                     | 35                     |
| 2366-01320        | 00000/0000                    | 2-20020/0129     | 01/23/76       | 80                     | 5094                  | 3429N        | 12517E       | 26.7 143.3            | GGGG                |                      | 125                     | 36                     |
| 2366-01372        | 00000/0000                    | 2-20020/0130     | 01/23/76       | 40                     | 5094                  | 1549N        | 12016E       | 38.3 132.1            | GGGG                |                      | 125                     | 49                     |
| 2366-01375        | 00000/0000                    | 2-20020/0131     | 01/23/76       | 60                     | 5094                  | 1423N        | 11955E       | 39.1 131.0            | FGGG                |                      | 125                     | 50                     |
| 2366-01331        | 00000/0000                    | 2-20020/0132     | 01/23/76       | 60                     | 5094                  | 1256N        | 11935E       | 39.9 129.9            | FGGG                |                      | 125                     | 51                     |
| 2366-03222        | 00000/0000                    | 2-20020/0133     | 01/23/76       | 30                     | 5095                  | 1006N        | 09305E       | 41.3 127.7            | GGGG                |                      | 143                     | 53                     |
| 2366-03224        | 00000/0000                    | 2-20020/0134     | 01/23/76       | 20                     | 5095                  | 0840N        | 09244E       | 42.0 126.5            | FGGG                |                      | 143                     | 54                     |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, '77

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OBSERVATION ID LISTING  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBV<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|------------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2366-05231        | 00000/0000                   | 2-20020/0135               | 01/23/76         | 20             | 5095             | 0744N                              | 09224E                              | 42.6         | 125.3        | GGGG                               |                     |                      | 143                     | 55                     |
| 2366-05233        | 00000/0000                   | 2-20020/0136               | 01/23/76         | 30             | 5095             | 0547N                              | 09204E                              | 43.3         | 124.0        | GGGG                               |                     |                      | 143                     | 56                     |
| 2366-05240        | 00000/0000                   | 2-20020/0137               | 01/23/76         | 30             | 5095             | 0421N                              | 09144E                              | 43.9         | 122.7        | GGGG                               |                     |                      | 143                     | 57                     |
| 2366-04583        | 00000/0000                   | 2-20020/0339               | 01/23/76         | 90             | 5096             | 3430N                              | 07340E                              | 26.7         | 143.3        | GGGG                               |                     |                      | 161                     | 36                     |
| 2366-04590        | 00000/0000                   | 2-20020/0340               | 01/23/76         | 90             | 5096             | 3305N                              | 07314E                              | 27.6         | 142.6        | GGGG                               |                     |                      | 161                     | 37                     |
| 2366-04592        | 00000/0000                   | 2-20020/0341               | 01/23/76         | 80             | 5096             | 3139N                              | 07249E                              | 28.6         | 141.8        | GGGG                               |                     |                      | 161                     | 38                     |
| 2366-04595        | 00000/0000                   | 2-20020/0342               | 01/23/76         | 50             | 5096             | 3013N                              | 07224E                              | 29.6         | 141.1        | GGGG                               |                     |                      | 161                     | 39                     |
| 2366-05001        | 00000/0000                   | 2-20020/0343               | 01/23/76         | 10             | 5096             | 2847N                              | 07200E                              | 30.5         | 140.3        | PPPP                               |                     |                      | 161                     | 40                     |
| 2366-05004        | 00000/0000                   | 2-20020/0344               | 01/23/76         | 0              | 5096             | 2721N                              | 07136E                              | 31.4         | 139.5        | FGGG                               |                     |                      | 161                     | 41                     |
| 2366-05010        | 00000/0000                   | 2-20020/0393               | 01/23/76         | 10             | 5096             | 2555N                              | 07112E                              | 32.3         | 138.6        | FGGG                               |                     |                      | 161                     | 42                     |
| 2366-05013        | 00000/0000                   | 2-20020/0394               | 01/23/76         | 10             | 5096             | 2429N                              | 07049E                              | 33.3         | 137.8        | GGGG                               |                     |                      | 161                     | 43                     |
| 2366-05015        | 00000/0000                   | 2-20020/0395               | 01/23/76         | 10             | 5096             | 2303N                              | 07027E                              | 34.1         | 136.9        | GGGG                               |                     |                      | 161                     | 44                     |
| 2366-05022        | 00000/0000                   | 2-20020/0138               | 01/23/76         | 0              | 5096             | 2138N                              | 07004E                              | 35.0         | 136.0        | GGGG                               |                     |                      | 161                     | 45                     |
| 2366-05463        | 00000/0000                   | 2-20020/0139               | 01/23/76         | 10             | 5097             | 1719N                              | 04310E                              | 37.5         | 133.1        | GGGG                               |                     |                      | 179                     | 48                     |
| 2366-06471        | 00000/0000                   | 2-20020/0140               | 01/23/76         | 10             | 5097             | 1553N                              | 04249E                              | 38.3         | 132.0        | GGGG                               |                     |                      | 179                     | 49                     |
| 2366-06474        | 00000/0000                   | 2-20020/0141               | 01/23/76         | 10             | 5097             | 1427N                              | 04229E                              | 39.1         | 131.0        | GGGG                               |                     |                      | 179                     | 50                     |
| 2366-06480        | 00000/0000                   | 2-20020/0142               | 01/23/76         | 10             | 5097             | 1300N                              | 04208E                              | 39.9         | 129.9        | GGGG                               |                     |                      | 179                     | 51                     |
| 2366-06501        | 00000/0000                   | 2-20020/0143               | 01/23/76         | 10             | 5097             | 0548N                              | 04027E                              | 43.3         | 124.0        | GGGG                               |                     |                      | 179                     | 56                     |
| 2366-06503        | 00000/0000                   | 2-20020/0144               | 01/23/76         | 10             | 5097             | 0422N                              | 04007E                              | 43.9         | 122.7        | GGGG                               |                     |                      | 179                     | 57                     |
| 2366-06510        | 00000/0000                   | 2-20020/0145               | 01/23/76         | 10             | 5097             | 0255N                              | 03947E                              | 44.4         | 121.4        | GGGG                               |                     |                      | 179                     | 58                     |
| 2366-06512        | 00000/0000                   | 2-20020/0146               | 01/23/76         | 10             | 5097             | 0129N                              | 03927E                              | 45.0         | 120.0        | GGGG                               |                     |                      | 179                     | 59                     |
| 2366-06515        | 00000/0000                   | 2-20020/0147               | 01/23/76         | 40             | 5097             | 0002N                              | 03907E                              | 45.5         | 118.7        | GGGG                               |                     |                      | 179                     | 60                     |
| 2366-06521        | 00000/0000                   | 2-20020/0148               | 01/23/76         | 80             | 5097             | 0124S                              | 03847E                              | 46.0         | 117.2        | GGGG                               |                     |                      | 179                     | 61                     |
| 2366-06524        | 00000/0000                   | 2-20020/0149               | 01/23/76         | 80             | 5097             | 0250S                              | 03827E                              | 46.4         | 115.8        | GGGG                               |                     |                      | 179                     | 62                     |
| 2366-06530        | 00000/0000                   | 2-20020/0150               | 01/23/76         | 40             | 5097             | 0416S                              | 03807E                              | 46.8         | 114.3        | GGGG                               |                     |                      | 179                     | 63                     |
| 2366-06592        | 00000/0000                   | 2-20020/0151               | 01/23/76         | 40             | 5097             | 2550S                              | 03748E                              | 48.1         | 91.1         | GGGG                               |                     |                      | 179                     | 78                     |
| 2366-06594        | 00000/0000                   | 2-20020/0152               | 01/23/76         | 30             | 5097             | 2716S                              | 03725E                              | 47.8         | 89.7         | FGGG                               |                     |                      | 179                     | 79                     |
| 2366-07001        | 00000/0000                   | 2-20020/0153               | 01/23/76         | 20             | 5097             | 2842S                              | 03702E                              | 47.5         | 88.2         | FFFF                               |                     |                      | 179                     | 80                     |
| 2366-05191        | 00000/0000                   | 2-20020/0396               | 01/23/76         | 90             | 5098             | 5420N                              | 03000E                              | 12.2         | 153.1        | FGGG                               |                     |                      | 197                     | 22                     |
| 2366-08194        | 00000/0000                   | 2-20020/0207               | 01/23/76         | 60             | 5098             | 5256N                              | 02915E                              | 13.3         | 152.3        | GGGG                               |                     |                      | 197                     | 23                     |
| 2366-08200        | 00000/0000                   | 2-20020/0239               | 01/23/76         | 80             | 5098             | 5132N                              | 02833E                              | 14.4         | 151.6        | GGGG                               |                     |                      | 197                     | 24                     |
| 2366-08205        | 00000/0000                   | 2-20020/0240               | 01/23/76         | 70             | 5098             | 4843N                              | 02714E                              | 16.5         | 150.2        | GGGG                               |                     |                      | 197                     | 26                     |
| 2366-08212        | 00000/0000                   | 2-20020/0241               | 01/23/76         | 70             | 5098             | 4719N                              | 02637E                              | 17.5         | 149.5        | GGGG                               |                     |                      | 197                     | 27                     |
| 2366-08264        | 00000/0000                   | 2-20020/0242               | 01/23/76         | 10             | 5098             | 2847N                              | 02022E                              | 30.5         | 140.2        | GGGG                               |                     |                      | 197                     | 40                     |
| 2366-08271        | 00000/0000                   | 2-20020/0243               | 01/23/76         | 10             | 5098             | 2721N                              | 01958E                              | 31.5         | 139.4        | GGGG                               |                     |                      | 197                     | 41                     |
| 2366-08273        | 00000/0000                   | 2-20020/0244               | 01/23/76         | 30             | 5098             | 2555N                              | 01934E                              | 32.4         | 138.6        | GGGG                               |                     |                      | 197                     | 42                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO.,<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------------------------|------------------|-----------------------|-----------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2366-08280        | 00000/0000 2-20020/0245                            | 01/23/76         | 10                    | 5098            | 2429N                                   | 01911E       | 33.3 137.7   | FGGG                  |                     |                      | 197                     | 43                     |
| 2366-08282        | 00000/0000 2-20020/0246                            | 01/23/76         | 0                     | 5098            | 2303N                                   | 01849E       | 34.2 136.8   | GGGG                  |                     |                      | 197                     | 44                     |
| 2366-08285        | 00000/0000 2-20020/0247                            | 01/23/76         | 0                     | 5098            | 2137N                                   | 01826E       | 35.0 135.9   | GGGG                  |                     |                      | 197                     | 45                     |
| 2366-08291        | 00000/0000 2-20020/0248                            | 01/23/76         | 0                     | 5098            | 2011N                                   | 01805E       | 35.9 135.0   | GGGG                  |                     |                      | 197                     | 46                     |
| 2366-08305        | 00000/0000 2-20020/0249                            | 01/23/76         | 0                     | 5098            | 1426N                                   | 01640E       | 39.1 131.0   | GGGG                  |                     |                      | 197                     | 50                     |
| 2366-08323        | 00000/0000 2-20019/0203                            | 01/23/76         | 10                    | 5098            | 0840N                                   | 01518E       | 42.0 126.4   | GGGG                  |                     |                      | 197                     | 54                     |
| 2366-08330        | 00000/0000 2-20019/0204                            | 01/23/76         | 10                    | 5098            | 0714N                                   | 01457E       | 42.6 125.2   | GGGG                  |                     |                      | 197                     | 55                     |
| 2366-08332        | 00000/0000 2-20019/0205                            | 01/23/76         | 10                    | 5098            | 0547N                                   | 01437E       | 43.3 124.0   | FGGG                  |                     |                      | 197                     | 56                     |
| 2366-10025        | 00000/0000 2-20019/0206                            | 01/23/76         | 50                    | 5099            | 5255N                                   | 00326E       | 13.3 152.3   | FGGG                  |                     |                      | 215                     | 23                     |
| 2366-10032        | 00000/0000 2-20019/0207                            | 01/23/76         | 50                    | 5099            | 5131N                                   | 00244E       | 14.4 151.6   | GGGG                  |                     |                      | 215                     | 24                     |
| 2366-10034        | 00000/0000 2-20019/0208                            | 01/23/76         | 30                    | 5099            | 5007N                                   | 00203E       | 15.4 150.9   | FGGG                  |                     |                      | 215                     | 25                     |
| 2366-10041        | 00000/0000 2-20019/0209                            | 01/23/76         | 60                    | 5099            | 4842N                                   | 00124E       | 16.5 150.2   | GGGG                  |                     |                      | 215                     | 26                     |
| 2366-10155        | 00000/0000 2-20019/0210                            | 01/23/76         | 10                    | 5099            | 0840N                                   | 01031W       | 42.0 126.4   | GGGG                  |                     |                      | 215                     | 54                     |
| 2366-10161        | 00000/0000 2-20019/0211                            | 01/23/76         | 30                    | 5099            | 0713N                                   | 01051W       | 42.6 125.2   | GGGG                  |                     |                      | 215                     | 55                     |
| 2366-15113        | 00000/0000 2-20019/0212                            | 01/23/76         | 90                    | 5102            | 5707N                                   | 07138W       | 10.2 154.6   | GGGG                  |                     |                      | 18                      | 20                     |
| 2366-15115        | 00000/0000 2-20019/0213                            | 01/23/76         | 100                   | 5102            | 5543N                                   | 07229W       | 11.2 153.8   | FGGG                  |                     |                      | 18                      | 21                     |
| 2366-15122        | 00000/0000 2-20019/0214                            | 01/23/76         | 100                   | 5102            | 5419N                                   | 07317W       | 12.3 153.0   | GGGG                  |                     |                      | 18                      | 22                     |
| 2366-15124        | 00000/0000 2-20019/0215                            | 01/23/76         | 100                   | 5102            | 5255N                                   | 07402W       | 13.4 152.3   | GGGG                  |                     |                      | 18                      | 23                     |
| 2366-15131        | 00000/0000 2-20019/0216                            | 01/23/76         | 10                    | 5102            | 5131N                                   | 07444W       | 14.4 151.5   | GGGG                  |                     |                      | 18                      | 24                     |
| 2366-15133        | 00000/0000 2-20019/0217                            | 01/23/76         | 30                    | 5102            | 5006N                                   | 07524W       | 15.5 150.8   | GGGG                  |                     |                      | 18                      | 25                     |
| 2366-15240        | 00000/0000 2-20020/0250                            | 01/23/76         | 40                    | 5102            | 1424N                                   | 08636W       | 39.1 130.9   | GGGG                  |                     |                      | 18                      | 50                     |
| 2366-15242        | 00000/0000 2-20020/0251                            | 01/23/76         | 0                     | 5102            | 1257N                                   | 08656W       | 39.9 129.8   | FGGG                  |                     |                      | 18                      | 51                     |
| 2366-15245        | 00000/0000 2-20020/0252                            | 01/23/76         | 0                     | 5102            | 1131N                                   | 08717W       | 40.6 128.7   | FGGG                  |                     |                      | 18                      | 52                     |
| 2366-16542        | 00000/0000 2-20020/0154                            | 01/23/76         | 90                    | 5103            | 5829N                                   | 09635W       | 9.1 155.4    | GGGG                  |                     |                      | 36                      | 19                     |
| 2366-16544        | 00000/0000 2-20020/0155                            | 01/23/76         | 90                    | 5103            | 5706N                                   | 09730W       | 10.2 154.6   | GGGG                  |                     |                      | 36                      | 20                     |
| 2366-16551        | 00000/0000 2-20020/0156                            | 01/23/76         | 70                    | 5103            | 5543N                                   | 09821W       | 11.2 153.8   | GGGG                  |                     |                      | 36                      | 21                     |
| 2366-16553        | 00000/0000 2-20020/0157                            | 01/23/76         | 60                    | 5103            | 5419N                                   | 09910W       | 12.3 153.0   | GGGG                  |                     |                      | 36                      | 22                     |
| 2366-16560        | 00000/0000 2-20020/0158                            | 01/23/76         | 50                    | 5103            | 5255N                                   | 09955W       | 13.4 152.3   | GGGG                  |                     |                      | 36                      | 23                     |
| 2366-16562        | 00000/0000 2-20020/0159                            | 01/23/76         | 80                    | 5103            | 5131N                                   | 10036W       | 14.4 151.5   | GGGG                  |                     |                      | 36                      | 24                     |
| 2366-18380        | 00000/0000 2-20020/0253                            | 01/23/76         | 60                    | 5104            | 5706N                                   | 12317W       | 10.2 154.6   | GGGG                  |                     |                      | 54                      | 20                     |
| 2366-18382        | 00000/0000 2-20020/0254                            | 01/23/76         | 40                    | 5104            | 5543N                                   | 12407W       | 11.3 153.8   | GGGG                  |                     |                      | 54                      | 21                     |
| 2366-18385        | 00000/0000 2-20020/0255                            | 01/23/76         | 50                    | 5104            | 5420N                                   | 12455W       | 12.3 153.0   | GGGG                  |                     |                      | 54                      | 22                     |
| 2366-18391        | 00000/0000 2-20020/0256                            | 01/23/76         | 90                    | 5104            | 5255N                                   | 12540W       | 13.4 152.2   | GGGG                  |                     |                      | 54                      | 23                     |
| 2366-18394        | 00000/0000 2-20020/0257                            | 01/23/76         | 90                    | 5104            | 5132N                                   | 12622W       | 14.5 151.5   | GGGG                  |                     |                      | 54                      | 24                     |
| 2366-18400        | 00000/0000 2-20020/0258                            | 01/23/76         | 90                    | 5104            | 5007N                                   | 12703W       | 15.5 150.8   | GGGG                  |                     |                      | 54                      | 25                     |
| 2367-03260        | 00000/0000 2-20020/0208                            | 01/24/76         | 20                    | 5109            | 1715N                                   | 09323E       | 37.6 132.8   | GGGG                  |                     |                      | 144                     | 48                     |

KEYS: C=CLOUD COVER & ..... 0 TO 100 % CLOUD COVER.  
 I=IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 M=MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 H=MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2367-03262        | 00000/0000                   | 2-20020/0209                | 01/24/76         | 20             | 5109            | 1549N                              | 09302E                              | 38.4         | 131.8        | FFFF                  |                     |                      | 144                     | 49                     |
| 2367-03265        | 00000/0000                   | 2-20020/0210                | 01/24/76         | 30             | 5109            | 1423N                              | 09241E                              | 39.2         | 130.7        | GGFG                  |                     |                      | 144                     | 50                     |
| 2367-03271        | 00000/0000                   | 2-20020/0211                | 01/24/76         | 30             | 5109            | 1257N                              | 09220E                              | 40.0         | 129.6        | GGFG                  |                     |                      | 144                     | 51                     |
| 2367-03274        | 00000/0000                   | 2-20020/0212                | 01/24/76         | 30             | 5109            | 1130N                              | 09200E                              | 40.7         | 128.5        | GGFG                  |                     |                      | 144                     | 52                     |
| 2367-03280        | 00000/0000                   | 2-20020/0213                | 01/24/76         | 30             | 5109            | 1003N                              | 09139E                              | 41.4         | 127.3        | GGFF                  |                     |                      | 144                     | 53                     |
| 2367-03283        | 00000/0000                   | 2-20020/0214                | 01/24/76         | 30             | 5109            | 0837N                              | 09119E                              | 42.1         | 126.1        | GGFF                  |                     |                      | 144                     | 54                     |
| 2367-03285        | 00000/0000                   | 2-20020/0215                | 01/24/76         | 40             | 5109            | 0711N                              | 09059E                              | 42.7         | 124.9        | GGFG                  |                     |                      | 144                     | 55                     |
| 2367-03292        | 00000/0000                   | 2-20020/0216                | 01/24/76         | 30             | 5109            | 0545N                              | 09038E                              | 43.3         | 123.7        | GGFG                  |                     |                      | 144                     | 56                     |
| 2367-03294        | 00000/0000                   | 2-20020/0217                | 01/24/76         | 40             | 5109            | 0418N                              | 09018E                              | 43.9         | 122.4        | GGFG                  |                     |                      | 144                     | 57                     |
| 2367-05062        | 00000/0000                   | 2-20020/0218                | 01/24/76         | 10             | 5110            | 2718N                              | 07010E                              | 31.6         | 139.2        | GGGF                  |                     |                      | 162                     | 41                     |
| 2367-05064        | 00000/0000                   | 2-20020/0219                | 01/24/76         | 0              | 5110            | 2553N                              | 06947E                              | 32.5         | 138.4        | GGGG                  |                     |                      | 162                     | 42                     |
| 2367-05071        | 00000/0000                   | 2-20020/0220                | 01/24/76         | 20             | 5110            | 2426N                              | 06924E                              | 33.4         | 137.5        | GGFG                  |                     |                      | 162                     | 43                     |
| 2367-05073        | 00000/0000                   | 2-20020/0221                | 01/24/76         | 60             | 5110            | 2300N                              | 06901E                              | 34.3         | 136.6        | GGFG                  |                     |                      | 162                     | 44                     |
| 2367-06512        | 00000/0000                   | 2-20020/0222                | 01/24/76         | 0              | 5111            | 2134N                              | 04249E                              | 35.2         | 135.7        | GGGG                  |                     |                      | 180                     | 45                     |
| 2367-06514        | 00000/0000                   | 2-20020/0223                | 01/24/76         | 10             | 5111            | 2008N                              | 04227E                              | 36.0         | 134.7        | GGGG                  |                     |                      | 180                     | 46                     |
| 2367-06521        | 00000/0000                   | 2-20020/0224                | 01/24/76         | 10             | 5111            | 1842N                              | 04205E                              | 36.8         | 133.8        | GGGG                  |                     |                      | 180                     | 47                     |
| 2367-06523        | 00000/0000                   | 2-20020/0225                | 01/24/76         | 20             | 5111            | 1716N                              | 04144E                              | 37.7         | 132.8        | GGFG                  |                     |                      | 180                     | 48                     |
| 2367-06530        | 00000/0000                   | 2-20020/0226                | 01/24/76         | 20             | 5111            | 1550N                              | 04123E                              | 38.5         | 131.7        | FFFF                  |                     |                      | 180                     | 49                     |
| 2367-06544        | 00000/0000                   | 2-20020/0227                | 01/24/76         | 0              | 5111            | 1005N                              | 04001E                              | 41.4         | 127.3        | GGGG                  |                     |                      | 180                     | 53                     |
| 2367-06550        | 00000/0000                   | 2-20020/0228                | 01/24/76         | 0              | 5111            | 0839N                              | 03942E                              | 42.1         | 126.1        | GGGF                  |                     |                      | 180                     | 54                     |
| 2367-06553        | 00000/0000                   | 2-20020/0229                | 01/24/76         | 0              | 5111            | 0713N                              | 03921E                              | 42.7         | 124.9        | GGGG                  |                     |                      | 180                     | 55                     |
| 2367-06555        | 00000/0000                   | 2-20020/0230                | 01/24/76         | 0              | 5111            | 0546N                              | 03901E                              | 43.3         | 123.6        | GGGG                  |                     |                      | 180                     | 56                     |
| 2367-06562        | 00000/0000                   | 2-20020/0231                | 01/24/76         | 0              | 5111            | 0420N                              | 03841E                              | 43.9         | 122.3        | GGGG                  |                     |                      | 180                     | 57                     |
| 2367-06564        | 00000/0000                   | 2-20020/0232                | 01/24/76         | 10             | 5111            | 0253N                              | 03821E                              | 44.5         | 121.0        | GGGG                  |                     |                      | 180                     | 58                     |
| 2367-06571        | 00000/0000                   | 2-20020/0233                | 01/24/76         | 10             | 5111            | 0126N                              | 03802E                              | 45.0         | 119.6        | GGGG                  |                     |                      | 180                     | 59                     |
| 2367-06573        | 00000/0000                   | 2-20020/0234                | 01/24/76         | 10             | 5111            | 0000N                              | 03742E                              | 45.5         | 118.3        | GGGG                  |                     |                      | 180                     | 60                     |
| 2367-06580        | 00000/0000                   | 2-20020/0235                | 01/24/76         | 30             | 5111            | 0126S                              | 03722E                              | 46.0         | 116.8        | GGGG                  |                     |                      | 180                     | 61                     |
| 2367-06582        | 00000/0000                   | 2-20020/0236                | 01/24/76         | 10             | 5111            | 0252S                              | 03702E                              | 46.4         | 115.4        | GGGG                  |                     |                      | 180                     | 62                     |
| 2367-07050        | 00000/0000                   | 2-20020/0237                | 01/24/76         | 90             | 5111            | 2552S                              | 03122E                              | 47.9         | 90.8         | GGGG                  |                     |                      | 180                     | 78                     |
| 2367-07053        | 00000/0000                   | 2-20020/0238                | 01/24/76         | 90             | 5111            | 2718S                              | 03059E                              | 47.7         | 89.3         | GGFG                  |                     |                      | 180                     | 79                     |
| 2367-08252        | 00000/0000                   | 2-20020/0397                | 01/24/76         | 70             | 5112            | 5253N                              | 02748E                              | 13.5         | 152.2        | GGGG                  |                     |                      | 198                     | 23                     |
| 2367-08255        | 00000/0000                   | 2-20020/0398                | 01/24/76         | 90             | 5112            | 5129N                              | 02705E                              | 14.6         | 151.4        | GGGG                  |                     |                      | 198                     | 24                     |
| 2367-08261        | 00000/0000                   | 2-20020/0399                | 01/24/76         | 40             | 5112            | 5005N                              | 02625E                              | 15.7         | 150.7        | GGGG                  |                     |                      | 198                     | 25                     |
| 2367-08314        | 00000/0000                   | 2-20020/0400                | 01/24/76         | 40             | 5112            | 3136N                              | 01944E                              | 28.8         | 141.6        | GGFG                  |                     |                      | 198                     | 38                     |
| 2367-08320        | 00000/0000                   | 2-20020/0401                | 01/24/76         | 10             | 5112            | 3011N                              | 01919E                              | 29.8         | 140.8        | GGFF                  |                     |                      | 198                     | 39                     |
| 2367-08323        | 00000/0000                   | 2-20020/0402                | 01/24/76         | 0              | 5112            | 2845N                              | 01855E                              | 30.7         | 140.0        | GGGG                  |                     |                      | 198                     | 40                     |

KEYS: CLOUD COVER 4 ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>RBV | ROLL NO./<br>POSITION IN<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>POINT<br>OF IMAGE | SUN<br>FLAV. AZIM. | IMAGE QUAL<br>RBV MSS DATA | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|---------------------------------|---------------------------------|------------------|----------------|------------------------|--------------------------------|--------------------|----------------------------|----------------------|-------------------------|------------------------|
|                   |                                 |                                 |                  |                |                        | LAT<br>LANG                    |                    | 123 45678 MODE             |                      |                         |                        |
| 2367-08325        | 00000/0000                      | 2-20020/0403                    | 01/24/76         | 0              | 5112                   | 2718N                          | 01831E             | 31.6 139.2                 | FGGG                 | 198                     | 41                     |
| 2367-08332        | 00000/0000                      | 2-20020/0404                    | 01/24/76         | 10             | 5112                   | 2552N                          | 01808E             | 32.5 138.3                 | FGGF                 | 198                     | 42                     |
| 2367-08334        | 00000/0000                      | 2-20020/0405                    | 01/24/76         | 90             | 5112                   | 2426N                          | 01745E             | 33.4 137.5                 | GGFF                 | 198                     | 43                     |
| 2367-08341        | 00000/0000                      | 2-20020/0012                    | 01/24/76         | 0              | 5112                   | 2300N                          | 01722E             | 34.3 136.6                 | GGGG                 | 198                     | 44                     |
| 2367-08343        | 00000/0000                      | 2-20020/0013                    | 01/24/76         | 0              | 5112                   | 2134N                          | 01700E             | 35.2 135.6                 | GGGG                 | 198                     | 45                     |
| 2367-08350        | 00000/0000                      | 2-20020/0014                    | 01/24/76         | 10             | 5112                   | 2008N                          | 01639E             | 36.0 134.7                 | GGGG                 | 198                     | 46                     |
| 2367-08352        | 00000/0000                      | 2-20020/0015                    | 01/24/76         | 20             | 5112                   | 1843N                          | 01618E             | 36.9 133.7                 | GGGG                 | 198                     | 47                     |
| 2367-08355        | 00000/0000                      | 2-20020/0016                    | 01/24/76         | 20             | 5112                   | 1717N                          | 01556E             | 37.7 132.7                 | FGGG                 | 198                     | 48                     |
| 2367-08361        | 00000/0000                      | 2-20020/0017                    | 01/24/76         | 40             | 5112                   | 1551N                          | 01535E             | 38.5 131.7                 | GGGG                 | 198                     | 49                     |
| 2367-08384        | 00000/0000                      | 2-20020/0018                    | 01/24/76         | 10             | 5112                   | 0711N                          | 01331E             | 42.7 124.8                 | GGGG                 | 198                     | 55                     |
| 2367-10120        | 00000/0000                      | 2-20020/0019                    | 01/24/76         | 40             | 5113                   | 4135N                          | 00250W             | 21.9 146.6                 | GGGG                 | 216                     | 31                     |
| 2367-10122        | 00000/0000                      | 2-20020/0020                    | 01/24/76         | 10             | 5113                   | 4010N                          | 00321W             | 22.9 145.9                 | GGGG                 | 216                     | 32                     |
| 2367-10125        | 00000/0000                      | 2-20020/0021                    | 01/24/76         | 10             | 5113                   | 3844N                          | 00350W             | 23.9 145.2                 | GGGG                 | 216                     | 33                     |
| 2367-10204        | 00000/0000                      | 2-20020/0022                    | 01/24/76         | 50             | 5113                   | 1129N                          | 01117W             | 40.7 128.4                 | GGGG                 | 216                     | 52                     |
| 2367-10211        | 00000/0000                      | 2-20020/0023                    | 01/24/76         | 10             | 5113                   | 1044N                          | 01137W             | 41.4 127.2                 | GGGG                 | 216                     | 53                     |
| 2367-10213        | 00000/0000                      | 2-20020/0024                    | 01/24/76         | 10             | 5113                   | 0847N                          | 01158W             | 42.1 126.0                 | GGGG                 | 216                     | 54                     |
| 2367-10220        | 00000/0000                      | 2-20020/0025                    | 01/24/76         | 30             | 5113                   | 0710N                          | 01218W             | 42.7 124.8                 | GGGG                 | 216                     | 55                     |
| 2367-15192        | 00000/0000                      | 2-20020/0027                    | 01/24/76         | 10             | 5116                   | 5003N                          | 07653W             | 15.7 150.7                 | FGGG                 | 19                      | 25                     |
| 2367-15294        | 00000/0000                      | 2-20020/0026                    | 01/24/76         | 30             | 5116                   | 1422N                          | 08A03W             | 39.3 130.5                 | GGGG                 | 19                      | 50                     |
| 2367-15301        | 00000/0000                      | 2-20020/0027                    | 01/24/76         | 0              | 5116                   | 1256N                          | 08A23W             | 40.0 129.5                 | GGGG                 | 19                      | 51                     |
| 2368-01442        | 00000/0000                      | 2-20020/0406                    | 01/25/76         | 100            | 5122                   | 3137N                          | 12134E             | 28.9 141.4                 | FGGF                 | 127                     | 38                     |
| 2368-03205        | 00000/0000                      | 2-20020/0328                    | 01/25/76         | 90             | 5123                   | 2720N                          | 09433E             | 31.7 139.0                 | GGGG                 | 145                     | 41                     |
| 2368-03291        | 00000/0000                      | 2-20020/0329                    | 01/25/76         | 90             | 5123                   | 2553N                          | 09409E             | 32.6 138.1                 | GGGG                 | 145                     | 42                     |
| 2368-03294        | 00000/0000                      | 2-20020/0330                    | 01/25/76         | 40             | 5123                   | 2427N                          | 09346E             | 33.5 137.3                 | GGGG                 | 145                     | 43                     |
| 2368-03300        | 00000/0000                      | 2-20020/0331                    | 01/25/76         | 30             | 5123                   | 2301N                          | 09324E             | 34.4 136.4                 | GGGG                 | 145                     | 44                     |
| 2368-03303        | 00000/0000                      | 2-20020/0332                    | 01/25/76         | 10             | 5123                   | 2134N                          | 09301E             | 35.3 135.5                 | GGGG                 | 145                     | 45                     |
| 2368-03305        | 00000/0000                      | 2-20020/0333                    | 01/25/76         | 10             | 5123                   | 2008N                          | 09239E             | 36.1 134.5                 | GGGG                 | 145                     | 46                     |
| 2368-03312        | 00000/0000                      | 2-20020/0334                    | 01/25/76         | 10             | 5123                   | 1842N                          | 09218E             | 36.9 133.5                 | GGGG                 | 145                     | 47                     |
| 2368-03314        | 00000/0000                      | 2-20020/0335                    | 01/25/76         | 10             | 5123                   | 1716N                          | 09157E             | 37.8 132.5                 | GGGG                 | 145                     | 48                     |
| 2368-03321        | 00000/0000                      | 2-20020/0336                    | 01/25/76         | 30             | 5123                   | 1550N                          | 09136E             | 38.5 131.5                 | GGGG                 | 145                     | 49                     |
| 2368-03330        | 00000/0000                      | 2-20020/0337                    | 01/25/76         | 30             | 5123                   | 1257N                          | 09054E             | 40.0 129.3                 | GGGG                 | 145                     | 51                     |
| 2368-03344        | 00000/0000                      | 2-20020/0337                    | 01/25/76         | 40             | 5123                   | 0711N                          | 08933E             | 42.8 124.6                 | GGGG                 | 145                     | 55                     |
| 2368-03350        | 00000/0000                      | 2-20020/0338                    | 01/25/76         | 30             | 5123                   | 0545N                          | 08913E             | 43.4 123.3                 | GGGG                 | 145                     | 56                     |
| 2368-03522        | 00000/0000                      | 2-20020/0373                    | 01/25/76         | 20             | 5125                   | 3720N                          | 04553E             | 25.1 144.3                 | FFGG                 | 181                     | 34                     |
| 2368-03525        | 00000/0000                      | 2-20020/0374                    | 01/25/76         | 30             | 5125                   | 3555N                          | 04525E             | 26.1 143.6                 | FFGG                 | 181                     | 35                     |
| 2368-03531        | 00000/0000                      | 2-20020/0359                    | 01/25/76         | 10             | 5125                   | 3429N                          | 04458E             | 27.0 142.9                 | FGGG                 | 181                     | 36                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL PRINT<br>BF IMAGE<br>LAT LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2368-06590        | 00000/0000                   | 2-20020/0260                | 01/25/76         | 20             | 5125             | 1423N                                   | 03935E       | 39.3         | 130.4                 | FGGG                |                      | 181                     | 50                     |
| 2368-06593        | 00000/0000                   | 2-20020/0261                | 01/25/76         | 10             | 5125             | 1257N                                   | 03915E       | 40.1         | 129.3                 | GGGG                |                      | 181                     | 51                     |
| 2368-06595        | 00000/0000                   | 2-20020/0262                | 01/25/76         | 10             | 5125             | 1131N                                   | 03855E       | 40.8         | 128.2                 | GGGG                |                      | 181                     | 52                     |
| 2368-07013        | 00000/0000                   | 2-20020/0263                | 01/25/76         | 10             | 5125             | 0546N                                   | 03734E       | 43.4         | 123.3                 | GGGG                |                      | 181                     | 56                     |
| 2368-07020        | 00000/0000                   | 2-20020/0264                | 01/25/76         | 10             | 5125             | 0420N                                   | 03714E       | 44.0         | 122.0                 | GGGG                |                      | 181                     | 57                     |
| 2368-07022        | 00000/0000                   | 2-20020/0265                | 01/25/76         | 0              | 5125             | 0253N                                   | 03654E       | 44.5         | 120.7                 | GGGG                |                      | 181                     | 58                     |
| 2368-07025        | 00000/0000                   | 2-20020/0266                | 01/25/76         | 0              | 5125             | 0126N                                   | 03635E       | 45.1         | 119.3                 | GGGG                |                      | 181                     | 59                     |
| 2368-07031        | 00000/0000                   | 2-20020/0267                | 01/25/76         | 10             | 5125             | 0000N                                   | 03615E       | 45.5         | 117.9                 | FGGG                |                      | 181                     | 60                     |
| 2368-07034        | 00000/0000                   | 2-20020/0268                | 01/25/76         | 0              | 5125             | 0125S                                   | 03555E       | 46.0         | 116.5                 | GGGG                |                      | 181                     | 61                     |
| 2368-07040        | 00000/0000                   | 2-20020/0269                | 01/25/76         | 0              | 5125             | 0252S                                   | 03535E       | 46.4         | 115.1                 | GGGG                |                      | 181                     | 62                     |
| 2368-07111        | 00000/0000                   | 2-20020/0270                | 01/25/76         | 10             | 5125             | 2716S                                   | 02934E       | 47.5         | 89.0                  | GGGG                |                      | 181                     | 79                     |
| 2368-08304        | 00000/0000                   | 2-20020/0375                | 01/25/76         | 70             | 5126             | 5417N                                   | 02706E       | 12.7         | 152.8                 | FFGG                |                      | 199                     | 22                     |
| 2368-08310        | 00000/0000                   | 2-20020/0376                | 01/25/76         | 90             | 5126             | 5253N                                   | 02621E       | 13.7         | 152.0                 | FGGG                |                      | 199                     | 23                     |
| 2368-08313        | 00000/0000                   | 2-20020/0377                | 01/25/76         | 80             | 5126             | 5129N                                   | 02538E       | 14.8         | 151.3                 | FGGG                |                      | 199                     | 24                     |
| 2368-08322        | 00000/0000                   | 2-20020/0378                | 01/25/76         | 80             | 5126             | 4840N                                   | 02419E       | 16.9         | 149.9                 | FGGG                |                      | 199                     | 26                     |
| 2368-08324        | 00000/0000                   | 2-20020/0379                | 01/25/76         | 80             | 5126             | 4715N                                   | 02342E       | 18.0         | 149.2                 | FFGG                |                      | 199                     | 27                     |
| 2368-08372        | 00000/0000                   | 2-20020/0380                | 01/25/76         | 90             | 5126             | 3136N                                   | 01817E       | 29.0         | 141.3                 | FGGG                |                      | 199                     | 38                     |
| 2368-08374        | 00000/0000                   | 2-20020/0381                | 01/25/76         | 40             | 5126             | 3011N                                   | 01752E       | 29.9         | 140.6                 | FGGG                |                      | 199                     | 39                     |
| 2368-08381        | 00000/0000                   | 2-20020/0382                | 01/25/76         | 0              | 5126             | 2845N                                   | 01728E       | 30.9         | 139.8                 | FGGG                |                      | 199                     | 40                     |
| 2368-08383        | 00000/0000                   | 2-20020/0383                | 01/25/76         | 0              | 5126             | 2719N                                   | 01704E       | 31.8         | 138.9                 | GGGG                |                      | 199                     | 41                     |
| 2368-08390        | 00000/0000                   | 2-20020/0384                | 01/25/76         | 0              | 5126             | 2553N                                   | 01640E       | 32.7         | 138.1                 | FFGG                |                      | 199                     | 42                     |
| 2368-08392        | 00000/0000                   | 2-20020/0385                | 01/25/76         | 20             | 5126             | 2427N                                   | 01618E       | 33.6         | 137.2                 | FGGG                |                      | 199                     | 43                     |
| 2368-08395        | 00000/0000                   | 2-20020/0276                | 01/25/76         | 10             | 5126             | 2300N                                   | 01555E       | 34.4         | 136.3                 | FGGG                |                      | 199                     | 44                     |
| 2368-08401        | 00000/0000                   | 2-20020/0277                | 01/25/76         | 20             | 5126             | 2134N                                   | 01533E       | 35.3         | 135.4                 | GGGG                |                      | 199                     | 45                     |
| 2368-08404        | 00000/0000                   | 2-20020/0278                | 01/25/76         | 20             | 5126             | 2028N                                   | 01511E       | 36.2         | 134.4                 | GGGG                |                      | 199                     | 46                     |
| 2368-08410        | 00000/0000                   | 2-20020/0279                | 01/25/76         | 100            | 5126             | 1842N                                   | 01450E       | 37.0         | 133.5                 | GGGG                |                      | 199                     | 47                     |
| 2368-08413        | 00000/0000                   | 2-20020/0280                | 01/25/76         | 100            | 5126             | 1716N                                   | 01429E       | 37.8         | 132.5                 | GGGG                |                      | 199                     | 48                     |
| 2368-08415        | 00000/0000                   | 2-20020/0281                | 01/25/76         | 100            | 5126             | 1550N                                   | 01408E       | 38.6         | 131.4                 | GGGG                |                      | 199                     | 49                     |
| 2368-08422        | 00000/0000                   | 2-20020/0282                | 01/25/76         | 90             | 5126             | 1424N                                   | 01347E       | 39.3         | 130.4                 | GGGG                |                      | 199                     | 50                     |
| 2368-08424        | 00000/0000                   | 2-20020/0283                | 01/25/76         | 60             | 5126             | 1257N                                   | 01326E       | 40.1         | 129.3                 | FGGG                |                      | 199                     | 51                     |
| 2368-08431        | 00000/0000                   | 2-20020/0284                | 01/25/76         | 0              | 5126             | 1131N                                   | 01305E       | 40.8         | 128.1                 | GGGG                |                      | 199                     | 52                     |
| 2368-08433        | 00000/0000                   | 2-20020/0285                | 01/25/76         | 20             | 5126             | 1004N                                   | 01245E       | 41.5         | 127.0                 | GGGG                |                      | 199                     | 53                     |
| 2368-08440        | 00000/0000                   | 2-20020/0286                | 01/25/76         | 20             | 5126             | 0837N                                   | 01224E       | 42.1         | 125.8                 | FGGG                |                      | 199                     | 54                     |
| 2368-08442        | 00000/0000                   | 2-20020/0287                | 01/25/76         | 30             | 5126             | 0712N                                   | 01204E       | 42.8         | 124.5                 | GGGG                |                      | 199                     | 55                     |
| 2368-08445        | 00000/0000                   | 2-20020/0288                | 01/25/76         | 40             | 5126             | 0545N                                   | 01144E       | 43.4         | 123.3                 | GGGG                |                      | 199                     | 56                     |
| 2368-10174        | 00000/0000                   | 2-20020/0289                | 01/25/76         | 50             | 5127             | 4135N                                   | 00416W       | 22.1         | 146.4                 | GGGG                |                      | 217                     | 31                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | MSS           | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|---------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2368-10181        | 00000/0000                                     | 2-20020/0290  | 01/25/76         | 40             | 5127            | 4010N                              | 00447W                              | 23.1         | 145.7        | GGGG                  |                     |                      | 217                     | 32                     |
| 2368-10183        | 00000/0000                                     | 2-20020/0291  | 01/25/76         | 30             | 5127            | 3845N                              | 00416W                              | 24.1         | 145.0        | GGGG                  |                     |                      | 217                     | 33                     |
| 2368-15332        | 00000/0000                                     | 2-20020/0292  | 01/25/76         | 50             | 5130            | 2133N                              | 08741W                              | 35.4         | 135.3        | GGGG                  |                     |                      | 20                      | 45                     |
| 2368-15334        | 00000/0000                                     | 2-20020/0293  | 01/25/76         | 90             | 5130            | 2007N                              | 08803W                              | 36.2         | 134.4        | GGGG                  |                     |                      | 20                      | 46                     |
| 2368-17054        | 00000/0000                                     | 2-20020/03177 | 01/25/76         | 50             | 5131            | 5828N                              | 09928W                              | 9.6          | 155.2        | GGFG                  |                     |                      | 38                      | 19                     |
| 2368-17061        | 00000/0000                                     | 2-20020/0178  | 01/25/76         | 0              | 5131            | 5705N                              | 10022W                              | 10.6         | 154.3        | FGFG                  |                     |                      | 38                      | 20                     |
| 2368-17063        | 00000/0000                                     | 2-20020/0179  | 01/25/76         | 0              | 5131            | 5541N                              | 10114W                              | 11.7         | 153.5        | GGGG                  |                     |                      | 38                      | 21                     |
| 2368-17070        | 00000/0000                                     | 2-20020/0180  | 01/25/76         | 10             | 5131            | 5417N                              | 10202W                              | 12.8         | 152.7        | GGGG                  |                     |                      | 38                      | 22                     |
| 2368-17072        | 00000/0000                                     | 2-20020/0181  | 01/25/76         | 10             | 5131            | 5253N                              | 10247W                              | 13.8         | 152.0        | GGFG                  |                     |                      | 38                      | 23                     |
| 2368-17075        | 00000/0000                                     | 2-20020/0182  | 01/25/76         | 30             | 5131            | 5129N                              | 10330W                              | 14.9         | 151.2        | GGFF                  |                     |                      | 38                      | 24                     |
| 2368-18490        | 00000/0000                                     | 2-20020/0271  | 01/25/76         | 90             | 5132            | 5827N                              | 12515W                              | 9.6          | 155.1        | GGFG                  |                     |                      | 56                      | 19                     |
| 2368-18493        | 00000/0000                                     | 2-20020/0272  | 01/25/76         | 90             | 5132            | 5704N                              | 12609W                              | 10.7         | 154.3        | GGGG                  |                     |                      | 56                      | 20                     |
| 2368-18504        | 00000/0000                                     | 2-20020/0273  | 01/25/76         | 100            | 5132            | 5253N                              | 12832W                              | 13.9         | 152.0        | GGGG                  |                     |                      | 56                      | 23                     |
| 2368-18511        | 00000/0000                                     | 2-20020/0274  | 01/25/76         | 100            | 5132            | 5129N                              | 12915W                              | 14.9         | 151.2        | GGGG                  |                     |                      | 56                      | 24                     |
| 2368-18513        | 00000/0000                                     | 2-20020/0275  | 01/25/76         | 100            | 5132            | 5005N                              | 12956W                              | 16.0         | 150.5        | GGGG                  |                     |                      | 56                      | 25                     |
| 2369-01500        | 00000/0000                                     | 2-20020/0386  | 01/26/76         | 100            | 5136            | 3135N                              | 12007E                              | 29.1         | 141.2        | GGGG                  |                     |                      | 128                     | 38                     |
| 2369-01514        | 00000/0000                                     | 2-20020/0387  | 01/26/76         | 50             | 5136            | 2551N                              | 11832E                              | 32.8         | 137.9        | GGGG                  |                     |                      | 128                     | 42                     |
| 2369-03350        | 00000/0000                                     | 2-20020/0388  | 01/26/76         | 10             | 5137            | 2551N                              | 09242E                              | 32.8         | 137.9        | GGGG                  |                     |                      | 146                     | 42                     |
| 2369-03352        | 00000/0000                                     | 2-20020/0389  | 01/26/76         | 20             | 5137            | 2425N                              | 09220E                              | 33.7         | 137.0        | GGGG                  |                     |                      | 146                     | 43                     |
| 2369-03355        | 00000/0000                                     | 2-20020/0390  | 01/26/76         | 10             | 5137            | 2259N                              | 09157E                              | 34.6         | 136.1        | GGG                   |                     |                      | 146                     | 44                     |
| 2369-03361        | 00000/0000                                     | 2-20020/0391  | 01/26/76         | 0              | 5137            | 2132N                              | 09135E                              | 35.4         | 135.2        | FFF                   |                     |                      | 146                     | 45                     |
| 2369-03364        | 00000/0000                                     | 2-20020/0392  | 01/26/76         | 0              | 5137            | 2005N                              | 09113E                              | 36.3         | 134.2        | FFFF                  |                     |                      | 146                     | 46                     |
| 2369-03373        | 00000/0000                                     | 2-20020/0294  | 01/26/76         | 10             | 5137            | 1714N                              | 09030E                              | 37.9         | 132.2        | FFGG                  |                     |                      | 146                     | 48                     |
| 2369-03375        | 00000/0000                                     | 2-20020/0295  | 01/26/76         | 20             | 5137            | 1547N                              | 09009E                              | 38.7         | 131.2        | FGFG                  |                     |                      | 146                     | 49                     |
| 2369-03382        | 00000/0000                                     | 2-20020/0296  | 01/26/76         | 60             | 5137            | 1420N                              | 08948E                              | 39.4         | 130.1        | GGGG                  |                     |                      | 146                     | 50                     |
| 2369-03384        | 00000/0000                                     | 2-20020/0297  | 01/26/76         | 50             | 5137            | 1264N                              | 08928E                              | 40.2         | 129.0        | GGGG                  |                     |                      | 146                     | 51                     |
| 2369-03391        | 00000/0000                                     | 2-20020/0298  | 01/26/76         | 50             | 5137            | 1128N                              | 08907E                              | 40.9         | 127.9        | GGGG                  |                     |                      | 146                     | 52                     |
| 2369-03393        | 00000/0000                                     | 2-20020/0299  | 01/26/76         | 60             | 5137            | 1001N                              | 08847E                              | 41.6         | 126.7        | GGGG                  |                     |                      | 146                     | 53                     |
| 2369-03400        | 00000/0000                                     | 2-20020/0300  | 01/26/76         | 70             | 5137            | 0835N                              | 08826E                              | 42.2         | 125.5        | GGGG                  |                     |                      | 146                     | 54                     |
| 2369-03402        | 00000/0000                                     | 2-20020/0301  | 01/26/76         | 80             | 5137            | 0708N                              | 08806E                              | 42.9         | 124.2        | GGGG                  |                     |                      | 146                     | 55                     |
| 2369-03405        | 00000/0000                                     | 2-20020/0302  | 01/26/76         | 80             | 5137            | 0542N                              | 08746E                              | 43.5         | 123.0        | GGGG                  |                     |                      | 146                     | 56                     |
| 2369-03411        | 00000/0000                                     | 2-20020/0303  | 01/26/76         | 80             | 5137            | 0416N                              | 08726E                              | 44.0         | 121.7        | GGGG                  |                     |                      | 146                     | 57                     |
| 2369-06574        | 00000/0000                                     | 2-20020/0304  | 01/26/76         | 10             | 5139            | 3843N                              | 04454E                              | 24.3         | 144.8        | FGGG                  |                     |                      | 182                     | 33                     |
| 2369-06581        | 00000/0000                                     | 2-20020/0305  | 01/26/76         | 10             | 5139            | 3717N                              | 04426E                              | 25.3         | 144.1        | GGGG                  |                     |                      | 182                     | 34                     |
| 2369-06583        | 00000/0000                                     | 2-20020/0306  | 01/26/76         | 10             | 5139            | 3552N                              | 04358E                              | 26.3         | 143.4        | GGGG                  |                     |                      | 182                     | 35                     |
| 2369-06590        | 00000/0000                                     | 2-20020/0307  | 01/26/76         | 0              | 5139            | 3426N                              | 04331E                              | 27.3         | 142.7        | GGGG                  |                     |                      | 182                     | 36                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = X CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FSR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------------------------|------------------|-----------------------|------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2369-06592        | 00000/0000 2-20020/0308                            | 01/26/76         | 0                     | 5139 3300N                         | 04305E       | 28.2 141.9   | GGGG                               |                     |                      | 182                     | 37                     |
| 2369-07051        | 00000/0000 2-20020/0309                            | 01/26/76         | 0                     | 5139 1255N                         | 03749E       | 40.2 128.9   | GGGG                               |                     |                      | 182                     | 51                     |
| 2369-07065        | 00000/0000 2-20020/0310                            | 01/26/76         | 30                    | 5139 0709N                         | 03627E       | 42.9 124.2   | GGGG                               |                     |                      | 182                     | 55                     |
| 2369-07072        | 00000/0000 2-20020/0311                            | 01/26/76         | 10                    | 5139 0544N                         | 03608E       | 43.5 122.9   | GGGG                               |                     |                      | 182                     | 56                     |
| 2369-07074        | 00000/0000 2-20020/0312                            | 01/26/76         | 20                    | 5139 0417N                         | 03548E       | 44.1 121.6   | GFGG                               |                     |                      | 182                     | 57                     |
| 2369-07081        | 00000/0000 2-20020/0313                            | 01/26/76         | 10                    | 5139 0249N                         | 03528E       | 44.6 120.3   | GGGG                               |                     |                      | 182                     | 58                     |
| 2369-07083        | 00000/0000 2-20020/0314                            | 01/26/76         | 10                    | 5139 0124N                         | 03507E       | 45.1 118.9   | GGGG                               |                     |                      | 182                     | 59                     |
| 2369-07090        | 00000/0000 2-20020/0315                            | 01/26/76         | 10                    | 5139 0001S                         | 03447E       | 45.6 117.5   | GGFG                               |                     |                      | 182                     | 60                     |
| 2369-07092        | 00000/0000 2-20020/0316                            | 01/26/76         | 10                    | 5139 0128S                         | 03427E       | 46.0 116.1   | GGGG                               |                     |                      | 182                     | 61                     |
| 2369-08374        | 00000/0000 2-20020/0407                            | 01/26/76         | 10                    | 5140 5002N                         | 02332E       | 16.1 150.4   | GGGG                               |                     |                      | 200                     | 25                     |
| 2369-08424        | 00000/0000 2-20020/0408                            | 01/26/76         | 30                    | 5140 3259N                         | 01716E       | 28.2 141.9   | GGFG                               |                     |                      | 200                     | 37                     |
| 2369-08451        | 00000/0000 2-20020/0409                            | 01/26/76         | 0                     | 5140 2424N                         | 01452E       | 33.7 136.9   | GGGG                               |                     |                      | 200                     | 43                     |
| 2369-08453        | 00000/0000 2-20020/0410                            | 01/26/76         | 0                     | 5140 2258N                         | 01429E       | 34.6 136.0   | GGGG                               |                     |                      | 200                     | 44                     |
| 2369-08450        | 00000/0000 2-20020/0411                            | 01/26/76         | 0                     | 5140 2132N                         | 01407E       | 35.5 135.1   | GGGG                               |                     |                      | 200                     | 45                     |
| 2369-08462        | 00000/0000 2-20020/0412                            | 01/26/76         | 0                     | 5140 2006N                         | 01345E       | 36.3 134.1   | FGGG                               |                     |                      | 200                     | 46                     |
| 2369-08465        | 00000/0000 2-20020/0319                            | 01/26/76         | 100                   | 5140 1840N                         | 01324E       | 37.1 133.2   | GGFG                               |                     |                      | 200                     | 47                     |
| 2369-08471        | 00000/0000 2-20020/0320                            | 01/26/76         | 90                    | 5140 1714N                         | 01303E       | 37.9 132.1   | GGGG                               |                     |                      | 200                     | 48                     |
| 2369-08474        | 00000/0000 2-20020/0321                            | 01/26/76         | 80                    | 5140 1548N                         | 01242E       | 38.7 131.1   | GGGG                               |                     |                      | 200                     | 49                     |
| 2369-08480        | 00000/0000 2-20020/0322                            | 01/26/76         | 60                    | 5140 1421N                         | 01221E       | 39.5 130.0   | GGGG                               |                     |                      | 200                     | 50                     |
| 2369-10185        | 00000/0000 2-20020/0323                            | 01/26/76         | 90                    | 5141 5703N                         | 00130E       | 10.8 154.2   | GGGG                               |                     |                      | 218                     | 20                     |
| 2369-10191        | 00000/0000 2-20020/0324                            | 01/26/76         | 100                   | 5141 5540N                         | 00040E       | 11.9 153.4   | GGGG                               |                     |                      | 218                     | 21                     |
| 2369-10194        | 00000/0000 2-20020/0325                            | 01/26/76         | 100                   | 5141 5416N                         | 00006W       | 12.9 152.6   | GGGG                               |                     |                      | 218                     | 22                     |
| 2369-10200        | 00000/0000 2-20020/0326                            | 01/26/76         | 100                   | 5141 5252N                         | 00051W       | 14.0 151.9   | GGGG                               |                     |                      | 218                     | 23                     |
| 2369-10203        | 00000/0000 2-20020/0183                            | 01/26/76         | 90                    | 5141 5108N                         | 00144W       | 15.3 151.0   | GGGG                               |                     |                      | 218                     | 24                     |
| 2369-10210        | 00000/0000 2-20020/0184                            | 01/26/76         | 90                    | 5141 4945N                         | 00225W       | 16.3 150.3   | GGGG                               |                     |                      | 218                     | 25                     |
| 2369-10262        | 00000/0000 2-20020/0185                            | 01/26/76         | 30                    | 5141 3137N                         | 00856W       | 29.2 141.1   | GGGG                               |                     |                      | 218                     | 38                     |
| 2369-10264        | 00000/0000 2-20020/0186                            | 01/26/76         | 10                    | 5141 3011N                         | 00922W       | 30.1 140.3   | GGGG                               |                     |                      | 218                     | 39                     |
| 2369-10271        | 00000/0000 2-20020/0187                            | 01/26/76         | 10                    | 5141 2845N                         | 00946W       | 31.0 139.5   | GGGG                               |                     |                      | 218                     | 40                     |
| 2369-10273        | 00000/0000 2-20020/0188                            | 01/26/76         | 10                    | 5141 2719N                         | 01010W       | 31.9 138.7   | GGGG                               |                     |                      | 218                     | 41                     |
| 2369-10280        | 00000/0000 2-20020/0189                            | 01/26/76         | 20                    | 5141 2553N                         | 01034W       | 32.8 137.8   | GGGG                               |                     |                      | 218                     | 42                     |
| 2369-10282        | 00000/0000 2-20020/0190                            | 01/26/76         | 20                    | 5141 2427N                         | 01057W       | 33.7 136.9   | GGGG                               |                     |                      | 218                     | 43                     |
| 2369-10285        | 00000/0000 2-20020/0191                            | 01/26/76         | 0                     | 5141 2301N                         | 01119W       | 34.6 136.0   | GGGG                               |                     |                      | 218                     | 44                     |
| 2369-10291        | 00000/0000 2-20020/0192                            | 01/26/76         | 0                     | 5141 2135N                         | 01142W       | 35.5 135.1   | GGGG                               |                     |                      | 218                     | 45                     |
| 2369-10294        | 00000/0000 2-20020/0193                            | 01/26/76         | 0                     | 5141 2009N                         | 01203W       | 36.3 134.2   | GGGG                               |                     |                      | 218                     | 46                     |
| 2369-10300        | 00000/0000 2-20020/0194                            | 01/26/76         | 10                    | 5141 1843N                         | 01225W       | 37.1 133.2   | GGGG                               |                     |                      | 218                     | 47                     |
| 2369-10303        | 00000/0000 2-20020/0195                            | 01/26/76         | 30                    | 5141 1716N                         | 01246W       | 37.9 132.2   | GGGG                               |                     |                      | 218                     | 48                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO.<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2369-10305        | 00000/0000                   | 2-20020/0196               | 01/26/76         | 70             | 5141            | 1550N                        | 01307W        | 38.7         | 131.1        | GGGG                               |                     |                      | 218                     | 49                     |
| 2369-10312        | 00000/0000                   | 2-20020/0197               | 01/26/76         | 30             | 5141            | 1424N                        | 01328W        | 39.4         | 130.0        | GGGG                               |                     |                      | 218                     | 50                     |
| 2369-17122        | 00000/0000                   | 2-20020/0445               | 01/26/76         | 10             | 5145            | 5542N                        | 10237W        | 11.9         | 153.7        | GGGG                               |                     |                      | 39                      | 21                     |
| 2369-17124        | 00000/0000                   | 2-20020/0446               | 01/26/76         | 0              | 5145            | 5418N                        | 10325W        | 13.0         | 152.6        | GGFG                               |                     |                      | 39                      | 22                     |
| 2369-17131        | 00000/0000                   | 2-20020/0447               | 01/26/76         | 10             | 5145            | 5254N                        | 10410W        | 14.0         | 151.8        | GGGG                               |                     |                      | 39                      | 23                     |
| 2369-17133        | 00000/0000                   | 2-20020/0448               | 01/26/76         | 70             | 5145            | 5129N                        | 10453W        | 15.1         | 151.1        | FGGG                               |                     |                      | 39                      | 24                     |
| 2369-20400        | 00000/0000                   | 2-20020/0317               | 01/26/76         | 90             | 5147            | 5129N                        | 15630W        | 15.1         | 151.1        | GGGG                               |                     |                      | 75                      | 24                     |
| 2369-20403        | 00000/0000                   | 2-20020/0318               | 01/26/76         | 90             | 5147            | 5004N                        | 15711W        | 16.2         | 150.4        | GGGG                               |                     |                      | 75                      | 25                     |
| 2370-00259        | 00000/0000                   | 2-20020/0413               | 01/27/76         | 0              | 5149            | 1426S                        | 13313E        | 48.3         | 102.1        | GGFG                               |                     |                      | 111                     | 70                     |
| 2370-02052        | 00000/0000                   | 2-20020/0414               | 01/27/76         | 40             | 5150            | 0128S                        | 11027E        | 46.0         | 115.8        | GGGG                               |                     |                      | 129                     | 61                     |
| 2370-03404        | 00000/0000                   | 2-20020/0415               | 01/27/76         | 10             | 5151            | 2550N                        | 09115E        | 33.0         | 137.6        | GGGG                               |                     |                      | 147                     | 42                     |
| 2370-03410        | 00000/0000                   | 2-20020/0416               | 01/27/76         | 0              | 5151            | 2425N                        | 09053E        | 33.9         | 136.7        | GGGG                               |                     |                      | 147                     | 43                     |
| 2370-03413        | 00000/0000                   | 2-20020/0417               | 01/27/76         | 0              | 5151            | 2248N                        | 09030E        | 34.7         | 135.8        | GGGG                               |                     |                      | 147                     | 44                     |
| 2370-03415        | 00000/0000                   | 2-20020/0418               | 01/27/76         | 10             | 5151            | 2132N                        | 09008E        | 35.6         | 134.9        | FGFG                               |                     |                      | 147                     | 45                     |
| 2370-03422        | 00000/0000                   | 2-20020/0419               | 01/27/76         | 10             | 5151            | 2006N                        | 08947E        | 36.4         | 133.9        | GGFG                               |                     |                      | 147                     | 46                     |
| 2370-03424        | 00000/0000                   | 2-20020/0420               | 01/27/76         | 10             | 5151            | 1840N                        | 08926E        | 37.2         | 133.0        | GGFG                               |                     |                      | 147                     | 47                     |
| 2370-03431        | 00000/0000                   | 2-20020/0421               | 01/27/76         | 10             | 5151            | 1714N                        | 08904E        | 38.0         | 131.9        | FGFG                               |                     |                      | 147                     | 48                     |
| 2370-03433        | 00000/0000                   | 2-20020/0422               | 01/27/76         | 10             | 5151            | 1548N                        | 08843E        | 38.8         | 130.9        | FGGG                               |                     |                      | 147                     | 49                     |
| 2370-03440        | 00000/0000                   | 2-20020/0423               | 01/27/76         | 20             | 5151            | 1422N                        | 08822E        | 39.5         | 129.8        | GGFG                               |                     |                      | 147                     | 50                     |
| 2370-03442        | 00000/0000                   | 2-20020/0424               | 01/27/76         | 20             | 5151            | 1255N                        | 08801E        | 40.3         | 128.7        | GGGG                               |                     |                      | 147                     | 51                     |
| 2370-03445        | 00000/0000                   | 2-20020/0425               | 01/27/76         | 20             | 5151            | 1129N                        | 08740E        | 41.0         | 127.5        | GGGG                               |                     |                      | 147                     | 52                     |
| 2370-03451        | 00000/0000                   | 2-20020/0426               | 01/27/76         | 10             | 5151            | 1034N                        | 08720E        | 41.6         | 126.4        | FGGG                               |                     |                      | 147                     | 53                     |
| 2370-03454        | 00000/0000                   | 2-20020/0427               | 01/27/76         | 10             | 5151            | 0837N                        | 08659E        | 42.3         | 125.2        | FGGG                               |                     |                      | 147                     | 54                     |
| 2370-03460        | 00000/0000                   | 2-20020/0428               | 01/27/76         | 10             | 5151            | 0709N                        | 08639E        | 42.9         | 123.9        | FGGG                               |                     |                      | 147                     | 55                     |
| 2370-03463        | 00000/0000                   | 2-20020/0429               | 01/27/76         | 20             | 5151            | 0543N                        | 08619E        | 43.5         | 122.6        | GGGG                               |                     |                      | 147                     | 56                     |
| 2370-03465        | 00000/0000                   | 2-20020/0430               | 01/27/76         | 40             | 5151            | 0417N                        | 08559E        | 44.1         | 121.3        | GGGG                               |                     |                      | 147                     | 57                     |
| 2370-05512        | 00000/0000                   | 2-20020/0464               | 01/27/76         | 100            | 5152            | 6745S                        | 03112E        | 27.0         | 72.7         | GGGG                               |                     |                      | 165                     | 108                    |
| 2370-05515        | 00000/0000                   | 2-20020/0465               | 01/27/76         | 100            | 5152            | 6903S                        | 02926E        | 26.0         | 73.7         | FGGG                               |                     |                      | 165                     | 109                    |
| 2370-05521        | 00000/0000                   | 2-20020/0466               | 01/27/76         | 100            | 5152            | 7020S                        | 02728E        | 25.1         | 75.0         | GGGG                               |                     |                      | 165                     | 110                    |
| 2370-05524        | 00000/0000                   | 2-20020/0467               | 01/27/76         | 70             | 5152            | 7136S                        | 02513E        | 24.1         | 76.5         | GGGG                               |                     |                      | 165                     | 111                    |
| 2370-06594        | 00000/0000                   | 2-20020/0468               | 01/27/76         | 20             | 5153            | 5128N                        | 04834E        | 15.3         | 151.0        | GGGG                               |                     |                      | 183                     | 24                     |
| 2370-07030        | 00000/0000                   | 2-20020/0469               | 01/27/76         | 10             | 5153            | 4008N                        | 04357E        | 23.5         | 145.4        | GGGG                               |                     |                      | 183                     | 32                     |
| 2370-07033        | 00000/0000                   | 2-20020/0470               | 01/27/76         | 10             | 5153            | 3843N                        | 04328E        | 24.5         | 144.7        | GGGG                               |                     |                      | 183                     | 33                     |
| 2370-07035        | 00000/0000                   | 2-20020/0471               | 01/27/76         | 0              | 5153            | 3718N                        | 04300E        | 25.5         | 143.9        | GGGG                               |                     |                      | 183                     | 34                     |
| 2370-07080        | 00000/0000                   | 2-20020/0359               | 01/27/76         | 10             | 5153            | 2259N                        | 03853E        | 34.7         | 135.8        | GGGF                               |                     |                      | 183                     | 44                     |
| 2370-07083        | 00000/0000                   | 2-20020/0360               | 01/27/76         | 30             | 5153            | 2132N                        | 03831E        | 35.6         | 134.9        | GGGG                               |                     |                      | 183                     | 45                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 \* % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANKS)=BAD, NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>ORBIT<br>NUMBER | PRINCIPAL<br>POINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|---------------------------------------|----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2370-07110        | 00000/0000                   | 2-20020/0361                | 01/27/76         | 0              | 5153                   | 1256N                                 | 03624E                                 | 40.3         | 128.6        | GGGG                               |                     |                      | 183                     | 51                     |
| 2370-07112        | 00000/0000                   | 2-20020/0362                | 01/27/76         | 0              | 5153                   | 1130N                                 | 03603E                                 | 41.0         | 127.5        | GGGG                               |                     |                      | 183                     | 52                     |
| 2370-07115        | 00000/0000                   | 2-20020/0363                | 01/27/76         | 0              | 5153                   | 1004N                                 | 03542E                                 | 41.7         | 126.3        | GGGG                               |                     |                      | 183                     | 53                     |
| 2370-07121        | 00000/0000                   | 2-20020/0450                | 01/27/76         | 10             | 5153                   | 0837N                                 | 03522E                                 | 42.3         | 125.1        | FGFG                               |                     |                      | 183                     | 54                     |
| 2370-07124        | 00000/0000                   | 2-20020/0451                | 01/27/76         | 30             | 5153                   | 0711N                                 | 03501E                                 | 42.9         | 123.9        | FGFG                               |                     |                      | 183                     | 55                     |
| 2370-07130        | 00000/0000                   | 2-20020/0452                | 01/27/76         | 10             | 5153                   | 0544N                                 | 03441E                                 | 43.5         | 122.6        | FGGG                               |                     |                      | 183                     | 56                     |
| 2370-07133        | 00000/0000                   | 2-20020/0453                | 01/27/76         | 10             | 5153                   | 0418N                                 | 03421E                                 | 44.1         | 121.3        | FGGG                               |                     |                      | 183                     | 57                     |
| 2370-07135        | 00000/0000                   | 2-20020/0454                | 01/27/76         | 10             | 5153                   | 0221N                                 | 03401E                                 | 44.6         | 119.9        | FGFG                               |                     |                      | 183                     | 58                     |
| 2370-07142        | 00000/0000                   | 2-20020/0455                | 01/27/76         | 10             | 5153                   | 0125N                                 | 03341E                                 | 45.1         | 118.6        | FGFG                               |                     |                      | 183                     | 59                     |
| 2370-07144        | 00000/0000                   | 2-20020/0456                | 01/27/76         | 10             | 5153                   | 0000N                                 | 03321E                                 | 45.6         | 117.2        | FGFG                               |                     |                      | 183                     | 60                     |
| 2370-07183        | 00000/0000                   | 2-20020/0457                | 01/27/76         | 90             | 5153                   | 1258S                                 | 03019E                                 | 48.2         | 103.6        | FFFF                               |                     |                      | 183                     | 69                     |
| 2370-07185        | 00000/0000                   | 2-20020/0458                | 01/27/76         | 70             | 5153                   | 1424S                                 | 02958E                                 | 48.3         | 102.0        | FFFF                               |                     |                      | 183                     | 70                     |
| 2370-07192        | 00000/0000                   | 2-20020/0459                | 01/27/76         | 80             | 5153                   | 1549S                                 | 02937E                                 | 48.3         | 100.4        | FGFG                               |                     |                      | 183                     | 71                     |
| 2370-07194        | 00000/0000                   | 2-20020/0460                | 01/27/76         | 70             | 5153                   | 1716S                                 | 02916E                                 | 48.3         | 98.9         | FGFG                               |                     |                      | 183                     | 72                     |
| 2370-07201        | 00000/0000                   | 2-20020/0461                | 01/27/76         | 60             | 5153                   | 1843S                                 | 02854E                                 | 48.3         | 97.3         | FGFG                               |                     |                      | 183                     | 73                     |
| 2370-07203        | 00000/0000                   | 2-20020/0462                | 01/27/76         | 70             | 5153                   | 2009S                                 | 02833E                                 | 48.2         | 95.8         | GGGG                               |                     |                      | 183                     | 74                     |
| 2370-07210        | 00000/0000                   | 2-20020/0463                | 01/27/76         | 70             | 5153                   | 2136S                                 | 02811E                                 | 48.1         | 94.2         | FGGG                               |                     |                      | 183                     | 75                     |
| 2370-08414        | 00000/0000                   | 2-20020/0364                | 01/27/76         | 70             | 5154                   | 5538N                                 | 02503E                                 | 12.1         | 153.3        | GGGG                               |                     |                      | 201                     | 21                     |
| 2370-08494        | 00000/0000                   | 2-20020/0365                | 01/27/76         | 70             | 5154                   | 2842N                                 | 01435E                                 | 31.2         | 139.3        | GGGG                               |                     |                      | 201                     | 40                     |
| 2370-08500        | 00000/0000                   | 2-20020/0366                | 01/27/76         | 0              | 5154                   | 2717N                                 | 01412E                                 | 32.1         | 138.4        | GGGG                               |                     |                      | 201                     | 41                     |
| 2370-08503        | 00000/0000                   | 2-20020/0367                | 01/27/76         | 30             | 5154                   | 2541N                                 | 01348E                                 | 33.0         | 137.6        | GGGG                               |                     |                      | 201                     | 42                     |
| 2370-08505        | 00000/0000                   | 2-20020/0368                | 01/27/76         | 30             | 5154                   | 2424N                                 | 01325E                                 | 33.9         | 136.7        | GGGG                               |                     |                      | 201                     | 43                     |
| 2370-08512        | 00000/0000                   | 2-20020/0369                | 01/27/76         | 0              | 5154                   | 2258N                                 | 01303E                                 | 34.8         | 135.8        | GGGG                               |                     |                      | 201                     | 44                     |
| 2370-08514        | 00000/0000                   | 2-20020/0370                | 01/27/76         | 10             | 5154                   | 2133N                                 | 01241E                                 | 35.6         | 134.8        | GGGG                               |                     |                      | 201                     | 45                     |
| 2370-08521        | 00000/0000                   | 2-20020/0345                | 01/27/76         | 10             | 5154                   | 2007N                                 | 01220E                                 | 36.4         | 133.9        | GGGG                               |                     |                      | 201                     | 46                     |
| 2370-08523        | 00000/0000                   | 2-20020/0346                | 01/27/76         | 0              | 5154                   | 1841N                                 | 01158E                                 | 37.3         | 132.9        | GGGG                               |                     |                      | 201                     | 47                     |
| 2370-08530        | 00000/0000                   | 2-20020/0347                | 01/27/76         | 0              | 5154                   | 1715N                                 | 01137E                                 | 38.0         | 131.9        | GGGG                               |                     |                      | 201                     | 48                     |
| 2370-08532        | 00000/0000                   | 2-20020/0348                | 01/27/76         | 0              | 5154                   | 1549N                                 | 01116E                                 | 38.8         | 130.8        | GGGG                               |                     |                      | 201                     | 49                     |
| 2370-08535        | 00000/0000                   | 2-20020/0349                | 01/27/76         | 0              | 5154                   | 1423N                                 | 01055E                                 | 39.6         | 129.7        | GGGG                               |                     |                      | 201                     | 50                     |
| 2370-08541        | 00000/0000                   | 2-20020/0350                | 01/27/76         | 0              | 5154                   | 1255N                                 | 01034E                                 | 40.3         | 128.6        | GGGG                               |                     |                      | 201                     | 51                     |
| 2370-14101        | 00000/0000                   | 2-20020/0351                | 01/27/76         | 100            | 5157                   | 0841S                                 | 07154W                                 | 47.7         | 108.1        | GGGG                               |                     |                      | 4                       | 66                     |
| 2370-14104        | 00000/0000                   | 2-20020/0352                | 01/27/76         | 100            | 5157                   | 1007S                                 | 07214W                                 | 47.9         | 106.6        | GGGG                               |                     |                      | 4                       | 67                     |
| 2370-14110        | 00000/0000                   | 2-20020/0353                | 01/27/76         | 100            | 5157                   | 1133S                                 | 07234W                                 | 48.1         | 105.0        | GGGG                               |                     |                      | 4                       | 68                     |
| 2370-15363        | 00000/0000                   | 2-20020/0449                | 01/27/76         | 30             | 5158                   | 5001N                                 | 08112W                                 | 16.4         | 150.2        | GGGG                               |                     |                      | 22                      | 25                     |
| 2370-15445        | 00000/0000                   | 2-20020/0354                | 01/27/76         | 100            | 5158                   | 2132N                                 | 09033W                                 | 35.7         | 134.8        | GGGG                               |                     |                      | 22                      | 45                     |
| 2370-15451        | 00000/0000                   | 2-20020/0355                | 01/27/76         | 90             | 5158                   | 2006N                                 | 09055W                                 | 36.5         | 133.8        | GGGG                               |                     |                      | 22                      | 46                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
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| OBSERVATION ID | MICROFILM REEL NR./ POSITION IN REEL | DATE ACQUIRED | CLOUD COVER | ORBIT NUMBER | PRINCIPAL PRINT OF IMAGE | SUN ELEV. | SUN AZIM.  | IMAGE-QUAL | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME ROW NUMBER |
|----------------|--------------------------------------|---------------|-------------|--------------|--------------------------|-----------|------------|------------|---------------|----------------|-------------------|------------------|
|                | RBV MSS                              |               |             |              | LAT LONG                 |           |            | 123 45678  |               |                |                   |                  |
| 2370-15454     | 00000/0000                           | 2-20020/0356  | 01/27/76    | 90           | 5158 1839N               | 09117W    | 37.3 132.8 | GGGG       |               |                | 22                | 47               |
| 2370-15460     | 00000/0000                           | 2-20020/0357  | 01/27/76    | 70           | 5158 1713N               | 09138W    | 38.1 131.8 | GGGG       |               |                | 22                | 48               |
| 2370-15463     | 00000/0000                           | 2-20020/0358  | 01/27/76    | 60           | 5158 1547N               | 09159W    | 38.9 130.7 | GGGG       |               |                | 22                | 49               |
| 2370-17185     | 00000/0000                           | 2-20020/1341  | 01/27/76    | 90           | 5159 5251N               | 10539W    | 14.3 151.7 | GGGG       |               |                | 40                | 23               |
| 2370-17192     | 00000/0000                           | 2-20020/1342  | 01/27/76    | 90           | 5159 5127N               | 10621W    | 15.4 150.9 | GGGG       |               |                | 40                | 24               |
| 2370-17263     | 00000/0000                           | 2-20020/1343  | 01/27/76    | 0            | 5159 3008N               | 11405W    | 30.4 140.0 | FGGG       |               |                | 40                | 39               |
| 2371-00313     | 00000/0000                           | 2-20020/0371  | 01/28/76    | 20           | 5163 1425S               | 13146E    | 48.2 101.7 | GGGG       |               |                | 112               | 70               |
| 2371-00204     | 00000/0000                           | 2-20020/0372  | 01/28/76    | 90           | 5164 2718N               | 11601E    | 32.2 138.3 | GGGG       |               |                | 130               | 41               |
| 2371-03460     | 00000/0000                           | 2-20020/0472  | 01/28/76    | 30           | 5165 2718N               | 09014E    | 32.2 138.3 | GGGG       |               |                | 148               | 41               |
| 2371-03494     | 00000/0000                           | 2-20020/0473  | 01/28/76    | 20           | 5165 1402N               | 08655E    | 39.6 129.5 | GGGG       |               |                | 148               | 50               |
| 2371-05294     | 00000/0000                           | 2-20020/0474  | 01/28/76    | 80           | 5166 2551N               | 06401E    | 33.1 137.4 | GGGG       |               |                | 166               | 42               |
| 2371-05582     | 00000/0000                           | 2-20020/0475  | 01/28/76    | 70           | 5166 7136S               | 02345E    | 23.8 76.5  | GGGG       |               |                | 166               | 111              |
| 2371-07052     | 00000/0000                           | 2-20020/0476  | 01/28/76    | 100          | 5167 5128N               | 04711E    | 15.5 150.9 | GGGG       |               |                | 184               | 24               |
| 2371-07070     | 00000/0000                           | 2-20020/0477  | 01/28/76    | 100          | 5167 4550N               | 04440E    | 19.6 148.0 | GGGG       |               |                | 184               | 28               |
| 2371-07184     | 00000/0000                           | 2-20020/0478  | 01/28/76    | 20           | 5167 0545N               | 03316E    | 43.6 122.2 | GGGG       |               |                | 184               | 56               |
| 2371-07191     | 00000/0000                           | 2-20020/0479  | 01/28/76    | 10           | 5167 0419N               | 03256E    | 44.2 120.9 | GGGG       |               |                | 184               | 57               |
| 2371-07193     | 00000/0000                           | 2-20020/0480  | 01/28/76    | 0            | 5167 0252N               | 03236E    | 44.7 119.6 | GGGG       |               |                | 184               | 58               |
| 2371-07202     | 00000/0000                           | 2-20020/0481  | 01/28/76    | 60           | 5167 0000N               | 03156E    | 45.7 116.8 | GGGG       |               |                | 184               | 60               |
| 2371-08472     | 00000/0000                           | 2-20020/0482  | 01/28/76    | 90           | 5168 5539N               | 02336E    | 12.3 153.2 | PPP        |               |                | 202               | 21               |
| 2371-08552     | 00000/0000                           | 2-20020/0483  | 01/28/76    | 80           | 5168 2844N               | 01312E    | 31.4 139.0 | PPP        |               |                | 202               | 40               |
| 2371-08554     | 00000/0000                           | 2-20020/0484  | 01/28/76    | 30           | 5168 2718N               | 01248E    | 32.3 138.2 | PPP        |               |                | 202               | 41               |
| 2371-08561     | 00000/0000                           | 2-20020/0485  | 01/28/76    | 70           | 5168 2552N               | 01225E    | 33.2 137.3 | PPP        |               |                | 202               | 42               |
| 2371-08563     | 00000/0000                           | 2-20020/0486  | 01/28/76    | 70           | 5168 2426N               | 01202E    | 34.0 136.4 | PPP        |               |                | 202               | 43               |
| 2371-08570     | 00000/0000                           | 2-20020/0487  | 01/28/76    | 50           | 5168 2300N               | 01140E    | 34.9 135.5 | PPP        |               |                | 202               | 44               |
| 2371-08572     | 00000/0000                           | 2-20020/0488  | 01/28/76    | 30           | 5168 2134N               | 01118E    | 35.7 134.6 | PPPP       |               |                | 202               | 45               |
| 2371-08581     | 00000/0000                           | 2-20020/0489  | 01/28/76    | 60           | 5168 1841N               | 01033E    | 37.4 132.6 | FFFG       |               |                | 202               | 47               |
| 2371-08584     | 00000/0000                           | 2-20020/0491  | 01/28/76    | 0            | 5168 1715N               | 01011E    | 38.2 131.6 | GGGG       |               |                | 202               | 48               |
| 2371-08590     | 00000/0000                           | 2-20020/0492  | 01/28/76    | 0            | 5168 1548N               | 00950E    | 38.9 130.5 | GGGG       |               |                | 202               | 49               |
| 2371-08593     | 00000/0000                           | 2-20020/0493  | 01/28/76    | 0            | 5168 1423N               | 00929E    | 39.7 129.4 | FGGG       |               |                | 202               | 50               |
| 2371-08595     | 00000/0000                           | 2-20020/0494  | 01/28/76    | 0            | 5168 1256N               | 00908E    | 40.4 128.3 | GGGG       |               |                | 202               | 51               |
| 2371-10311     | 00000/0000                           | 2-20020/0495  | 01/28/76    | 100          | 5169 5414N               | 00259W    | 13.4 152.4 | GGFG       |               |                | 220               | 22               |
| 2371-10313     | 00000/0000                           | 2-20020/0496  | 01/28/76    | 100          | 5169 5250N               | 00343W    | 14.5 151.6 | GGGG       |               |                | 220               | 23               |
| 2371-10320     | 00000/0000                           | 2-20020/0497  | 01/28/76    | 100          | 5169 5127N               | 00426W    | 15.5 150.8 | GGGG       |               |                | 220               | 24               |
| 2371-10322     | 00000/0000                           | 2-20020/0498  | 01/28/76    | 100          | 5169 5002N               | 00507W    | 16.6 150.1 | GGGG       |               |                | 220               | 25               |
| 2371-10325     | 00000/0000                           | 2-20020/0499  | 01/28/76    | 100          | 5169 4838N               | 00545W    | 17.6 149.4 | GFGG       |               |                | 220               | 26               |
| 2371-10393     | 00000/0000                           | 2-20020/0440  | 01/28/76    | 0            | 5169 2551N               | 01322W    | 33.2 137.3 | GGGG       |               |                | 220               | 42               |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANKS)=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2371-10395        | 00000/0000                   | 2-20020/0541                | 01/28/76         | 0              | 5169            | 2425N                              | 01345W                              | 34.1         | 136.4        | FGGG                  |                     |                      | 220                     | 43                     |
| 2371-10404        | 00000/0000                   | 2-20020/0542                | 01/28/76         | 20             | 5169            | 2133N                              | 01431W                              | 35.8         | 134.6        | GGGG                  |                     |                      | 220                     | 45                     |
| 2371-10411        | 00000/0000                   | 2-20020/0543                | 01/28/76         | 80             | 5169            | 2007N                              | 01453W                              | 36.6         | 133.6        | GGGG                  |                     |                      | 220                     | 46                     |
| 2371-15421        | 00000/0000                   | 2-20020/0544                | 01/28/76         | 50             | 5172            | 5003N                              | 08238W                              | 16.6         | 150.1        | GGGG                  |                     |                      | 23                      | 25                     |
| 2371-17241        | 00000/0000                   | 2-20020/0519                | 01/28/76         | 40             | 5173            | 5414N                              | 10621W                              | 13.5         | 152.3        | G                     |                     |                      | 41                      | 22                     |
| 2371-17250        | 00000/0000                   | 2-20020/0517                | 01/28/76         | 0              | 5173            | 5126N                              | 10747W                              | 15.6         | 150.8        | GGGG                  |                     |                      | 41                      | 24                     |
| 2371-17311        | 00000/0000                   | 2-20020/0518                | 01/28/76         | 0              | 5173            | 3009N                              | 11530W                              | 30.5         | 139.8        | GGGG                  |                     |                      | 41                      | 39                     |
| 2372-00365        | 00000/0000                   | 2-20020/0520                | 01/29/76         | 20             | 5177            | 1301S                              | 13042E                              | 48.1         | 102.9        | FFGG                  |                     |                      | 113                     | 69                     |
| 2372-00371        | 00000/0000                   | 2-20020/0521                | 01/29/76         | 0              | 5177            | 1427S                              | 13021E                              | 48.2         | 101.3        | FGGG                  |                     |                      | 113                     | 70                     |
| 2372-02082        | 00000/0000                   | 2-20020/0522                | 01/29/76         | 100            | 5178            | 2714N                              | 11435E                              | 32.4         | 138.0        | FFGG                  |                     |                      | 131                     | 41                     |
| 2372-02085        | 00000/0000                   | 2-20020/0523                | 01/29/76         | 100            | 5178            | 2549N                              | 11411E                              | 33.3         | 137.1        | FGGG                  |                     |                      | 131                     | 42                     |
| 2372-02091        | 00000/0000                   | 2-20020/0524                | 01/29/76         | 70             | 5178            | 2423N                              | 11348E                              | 34.2         | 136.2        | FGGG                  |                     |                      | 131                     | 43                     |
| 2372-02094        | 00000/0000                   | 2-20020/0525                | 01/29/76         | 20             | 5178            | 2247N                              | 11326E                              | 35.0         | 135.3        | FGGG                  |                     |                      | 131                     | 44                     |
| 2372-03521        | 00000/0000                   | 2-20020/0526                | 01/29/76         | 10             | 5179            | 2549N                              | 08424E                              | 33.3         | 137.1        | FGGG                  |                     |                      | 149                     | 42                     |
| 2372-03553        | 00000/0000                   | 2-20020/0527                | 01/29/76         | 20             | 5179            | 1420N                              | 08529E                              | 39.8         | 129.2        | FGGG                  |                     |                      | 149                     | 50                     |
| 2372-03555        | 00000/0000                   | 2-20020/0528                | 01/29/76         | 30             | 5179            | 1253N                              | 08508E                              | 40.5         | 128.0        | GGFG                  |                     |                      | 149                     | 51                     |
| 2372-03562        | 00000/0000                   | 2-20020/0529                | 01/29/76         | 20             | 5179            | 1127N                              | 08447E                              | 41.2         | 126.9        | FGGG                  |                     |                      | 149                     | 52                     |
| 2372-03564        | 00000/0000                   | 2-20020/0530                | 01/29/76         | 70             | 5179            | 1001N                              | 08427E                              | 41.9         | 125.7        | GGGG                  |                     |                      | 149                     | 53                     |
| 2372-03571        | 00000/0000                   | 2-20020/0531                | 01/29/76         | 50             | 5179            | 0834N                              | 08407E                              | 42.5         | 124.4        | GGFG                  |                     |                      | 149                     | 54                     |
| 2372-03573        | 00000/0000                   | 2-20020/0532                | 01/29/76         | 20             | 5179            | 0707N                              | 08347E                              | 43.1         | 123.2        | FGGG                  |                     |                      | 149                     | 55                     |
| 2372-03580        | 00000/0000                   | 2-20020/0533                | 01/29/76         | 50             | 5179            | 0542N                              | 08327E                              | 43.7         | 121.9        | GGGG                  |                     |                      | 149                     | 56                     |
| 2372-03582        | 00000/0000                   | 2-20020/0534                | 01/29/76         | 30             | 5179            | 0415N                              | 08307E                              | 44.2         | 120.6        | GGGG                  |                     |                      | 149                     | 57                     |
| 2372-03511        | 00000/0000                   | 2-20020/0547                | 01/29/76         | 10             | 5180            | 4006N                              | 06653E                              | 23.9         | 145.0        | GGGG                  |                     |                      | 167                     | 32                     |
| 2372-07102        | 00000/0000                   | 2-20020/0535                | 01/29/76         | 100            | 5181            | 5416N                              | 04711E                              | 13.6         | 152.3        | GGGF                  |                     |                      | 185                     | 22                     |
| 2372-07104        | 00000/0000                   | 2-20020/0536                | 01/29/76         | 100            | 5181            | 5253N                              | 04627E                              | 14.7         | 151.5        | GGGG                  |                     |                      | 185                     | 23                     |
| 2372-07111        | 00000/0000                   | 2-20020/0537                | 01/29/76         | 100            | 5181            | 5129N                              | 04544E                              | 15.7         | 150.7        | GGFG                  |                     |                      | 185                     | 24                     |
| 2372-07113        | 00000/0000                   | 2-20020/0538                | 01/29/76         | 100            | 5181            | 5004N                              | 04504E                              | 16.7         | 150.0        | GGGG                  |                     |                      | 185                     | 25                     |
| 2372-07122        | 00000/0000                   | 2-20020/0539                | 01/29/76         | 100            | 5181            | 4714N                              | 04348E                              | 18.8         | 148.6        | FGGG                  |                     |                      | 185                     | 27                     |
| 2372-07125        | 00000/0000                   | 2-20020/0540                | 01/29/76         | 90             | 5181            | 4500N                              | 04313E                              | 19.9         | 147.9        | FGGG                  |                     |                      | 185                     | 28                     |
| 2372-07131        | 00000/0000                   | 2-20020/0541                | 01/29/76         | 80             | 5181            | 4425N                              | 04239E                              | 20.9         | 147.1        | GGGF                  |                     |                      | 185                     | 29                     |
| 2372-07134        | 00000/0000                   | 2-20020/0542                | 01/29/76         | 40             | 5181            | 4300N                              | 04207E                              | 21.9         | 146.4        | GGGG                  |                     |                      | 185                     | 30                     |
| 2372-07243        | 00000/0000                   | 2-20020/0543                | 01/29/76         | 10             | 5181            | 0545N                              | 03150E                              | 43.7         | 121.9        | GGGG                  |                     |                      | 185                     | 56                     |
| 2372-07245        | 00000/0000                   | 2-20020/0544                | 01/29/76         | 10             | 5181            | 0419N                              | 03130E                              | 44.2         | 120.6        | GGGG                  |                     |                      | 185                     | 57                     |
| 2372-07345        | 00000/0000                   | 2-20020/0545                | 01/29/76         | 10             | 5181            | 3009S                              | 02301E                              | 46.3         | 85.0         | GGGG                  |                     |                      | 185                     | 81                     |
| 2372-07352        | 00000/0000                   | 2-20020/0546                | 01/29/76         | 10             | 5181            | 3125S                              | 02236E                              | 45.9         | 83.7         | GGGG                  |                     |                      | 185                     | 82                     |
| 2372-08595        | 00000/0000                   | 2-20020/0548                | 01/29/76         | 10             | 5182            | 3301N                              | 01300E                              | 28.8         | 141.3        | GGGG                  |                     |                      | 203                     | 37                     |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2372-09001        | 00000/0000                                     | 2-20020/0549     | 01/29/76       | 0               | 5182                               | 3136N                               | 01234E       | 29.7         | 140.5                              |                     |                      |                         |                        |
| 2372-09004        | 00000/0000                                     | 2-20020/0550     | 01/29/76       | 0               | 5182                               | 3010N                               | 01208E       | 30.6         | 139.7                              | GGGG                |                      | 203                     | 38                     |
| 2372-09010        | 00000/0000                                     | 2-20020/0551     | 01/29/76       | 0               | 5182                               | 2843N                               | 01143E       | 31.5         | 138.8                              | GGGG                |                      | 203                     | 39                     |
| 2372-09013        | 00000/0000                                     | 2-20020/0552     | 01/29/76       | 0               | 5182                               | 2718N                               | 01119E       | 32.4         | 138.0                              | FGGG                |                      | 203                     | 40                     |
| 2372-09015        | 00000/0000                                     | 2-20020/0553     | 01/29/76       | 60              | 5182                               | 2552N                               | 01056E       | 33.3         | 137.1                              | GGGG                |                      | 203                     | 41                     |
| 2372-09024        | 00000/0000                                     | 2-20020/0554     | 01/29/76       | 80              | 5182                               | 2300N                               | 01011E       | 35.1         | 135.3                              | FFFF                |                      | 203                     | 42                     |
| 2372-09031        | 00000/0000                                     | 2-20020/0555     | 01/29/76       | 60              | 5182                               | 2134N                               | 00949E       | 35.3         | 134.3                              | GGGG                |                      | 203                     | 44                     |
| 2372-09033        | 00000/0000                                     | 2-20020/0556     | 01/29/76       | 20              | 5182                               | 2008N                               | 00927E       | 36.7         | 133.3                              | GGGG                |                      | 203                     | 45                     |
| 2372-09040        | 00000/0000                                     | 2-20020/0557     | 01/29/76       | 10              | 5182                               | 1842N                               | 00905E       | 37.5         | 132.3                              | GGGG                |                      | 203                     | 46                     |
| 2372-09042        | 00000/0000                                     | 2-20020/0558     | 01/29/76       | 30              | 5182                               | 1715N                               | 00844E       | 38.3         | 131.3                              | FGGG                |                      | 203                     | 47                     |
| 2372-09045        | 00000/0000                                     | 2-20020/0559     | 01/29/76       | 10              | 5182                               | 1549N                               | 00823E       | 39.1         | 130.2                              | FGGG                |                      | 203                     | 48                     |
| 2372-09051        | 00000/0000                                     | 2-20020/0560     | 01/29/76       | 10              | 5182                               | 1423N                               | 00801E       | 39.8         | 129.1                              | GGGG                |                      | 203                     | 49                     |
| 2372-09054        | 00000/0000                                     | 2-20020/0561     | 01/29/76       | 0               | 5182                               | 1246N                               | 00741E       | 40.5         | 128.0                              | GGGG                |                      | 203                     | 50                     |
| 2372-09060        | 00000/0000                                     | 2-20020/0590     | 01/29/76       | 0               | 5182                               | 1129N                               | 00720E       | 41.2         | 126.8                              | GGG                 |                      | 203                     | 51                     |
| 2372-09063        | 00000/0000                                     | 2-20020/0591     | 01/29/76       | 0               | 5182                               | 1053N                               | 00700E       | 41.9         | 125.6                              | GGG                 |                      | 203                     | 52                     |
| 2372-09065        | 00000/0000                                     | 2-20020/0592     | 01/29/76       | 0               | 5182                               | 0847N                               | 00639E       | 42.5         | 124.4                              | GGG                 |                      | 203                     | 53                     |
| 2372-09072        | 00000/0000                                     | 2-20020/0593     | 01/29/76       | 70              | 5182                               | 0711N                               | 00619E       | 43.1         | 123.2                              | GGGG                |                      | 203                     | 54                     |
| 2372-10353        | 00000/0000                                     | 2-20020/0594     | 01/29/76       | 50              | 5183                               | 5828N                               | 00150W       | 10.4         | 154.8                              | GGGG                |                      | 221                     | 55                     |
| 2372-10360        | 00000/0000                                     | 2-20020/0595     | 01/29/76       | 90              | 5183                               | 5705N                               | 00243W       | 11.5         | 153.9                              | GGGG                |                      | 221                     | 19                     |
| 2372-10362        | 00000/0000                                     | 2-20020/0574     | 01/29/76       | 80              | 5183                               | 5542N                               | 00334W       | 12.5         | 153.1                              | GGGG                |                      | 221                     | 20                     |
| 2372-10365        | 00000/0000                                     | 2-20020/0575     | 01/29/76       | 90              | 5183                               | 5418N                               | 00421W       | 13.6         | 152.3                              | GGGG                |                      | 221                     | 21                     |
| 2372-10371        | 00000/0000                                     | 2-20020/0576     | 01/29/76       | 90              | 5183                               | 5254N                               | 00507W       | 14.7         | 151.5                              | GGGG                |                      | 221                     | 22                     |
| 2372-10374        | 00000/0000                                     | 2-20020/0577     | 01/29/76       | 90              | 5183                               | 5130N                               | 00550W       | 15.7         | 150.7                              | GGGG                |                      | 221                     | 23                     |
| 2372-10380        | 00000/0000                                     | 2-20020/0578     | 01/29/76       | 90              | 5183                               | 5006N                               | 00631W       | 16.7         | 150.0                              | GGGG                |                      | 221                     | 24                     |
| 2372-10383        | 00000/0000                                     | 2-20020/0579     | 01/29/76       | 90              | 5183                               | 4842N                               | 00709W       | 17.8         | 149.3                              | GGGG                |                      | 221                     | 25                     |
| 2372-12462        | 00000/0000                                     | 2-20020/0580     | 01/29/76       | 10              | 5184                               | 3547S                               | 05606W       | 44.4         | 80.1                               | GGGG                |                      | 221                     | 26                     |
| 2372-12464        | 00000/0000                                     | 2-20020/0581     | 01/29/76       | 10              | 5184                               | 3712S                               | 05634W       | 43.9         | 79.0                               | GGGG                |                      | 239                     | 85                     |
| 2372-12471        | 00000/0000                                     | 2-20020/0582     | 01/29/76       | 10              | 5184                               | 3837S                               | 05702W       | 43.3         | 78.0                               | GGGG                |                      | 239                     | 86                     |
| 2372-14025        | 00000/0000                                     | 2-20020/0028     | 01/29/76       | 90              | 5185                               | 5542N                               | 05518W       | 12.6         | 153.0                              | FFFF                |                      | 239                     | 87                     |
| 2372-14032        | 00000/0000                                     | 2-20020/0029     | 01/29/76       | 90              | 5185                               | 5419N                               | 05606W       | 13.6         | 152.2                              | GGGG                |                      | 6                       | 21                     |
| 2372-14164        | 00000/0000                                     | 2-20020/0583     | 01/29/76       | 50              | 5185                               | 0840N                               | 07046W       | 42.5         | 124.4                              | GGGG                |                      | 6                       | 22                     |
| 2372-14170        | 00000/0000                                     | 2-20020/0584     | 01/29/76       | 30              | 5185                               | 0714N                               | 07106W       | 43.1         | 123.1                              | GGGG                |                      | 6                       | 54                     |
| 2372-14173        | 00000/0000                                     | 2-20020/0585     | 01/29/76       | 40              | 5185                               | 0547N                               | 07126W       | 43.7         | 121.8                              | GGGG                |                      | 6                       | 55                     |
| 2372-14175        | 00000/0000                                     | 2-20020/0586     | 01/29/76       | 30              | 5185                               | 0421N                               | 07146W       | 44.2         | 120.5                              | GGGG                |                      | 6                       | 56                     |
| 2372-15570        | 00000/0000                                     | 2-20020/0587     | 01/29/76       | 90              | 5186                               | 1844N                               | 09408W       | 37.5         | 132.3                              | FGGG                |                      | 24                      | 57                     |
| 2372-15573        | 00000/0000                                     | 2-20020/0588     | 01/29/76       | 90              | 5186                               | 1718N                               | 09430W       | 38.3         | 131.2                              | FGGG                |                      | 24                      | 48                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2373-02150        | 00000/0000                   | 2-20020/0596                | 01/30/76         | 90             | 5192            | 2428N 11224E                            | 34.3         | 136.0        | GGGG                               |                     |                      | 132                     | 43                     |
| 2373-02152        | 00000/0000                   | 2-20020/0597                | 01/30/76         | 100            | 5192            | 2302N 11201E                            | 35.2         | 135.1        | GGGG                               |                     |                      | 132                     | 44                     |
| 2373-02155        | 00000/0000                   | 2-20020/0598                | 01/30/76         | 90             | 5192            | 2135N 11139E                            | 36.0         | 134.1        | GGGG                               |                     |                      | 132                     | 45                     |
| 2373-02175        | 00000/0000                   | 2-20020/0599                | 01/30/76         | 80             | 5192            | 1423N 10953E                            | 39.9         | 128.9        | FGGG                               |                     |                      | 132                     | 50                     |
| 2373-02182        | 00000/0000                   | 2-20020/0600                | 01/30/76         | 60             | 5192            | 1257N 10933E                            | 40.6         | 127.8        | FFGG                               |                     |                      | 132                     | 51                     |
| 2373-02184        | 00000/0000                   | 2-20020/0601                | 01/30/76         | 10             | 5192            | 1131N 10912E                            | 41.3         | 126.6        | GGGG                               |                     |                      | 132                     | 52                     |
| 2373-02191        | 00000/0000                   | 2-20020/0602                | 01/30/76         | 10             | 5192            | 1065N 10851E                            | 41.9         | 125.4        | GFGF                               |                     |                      | 132                     | 53                     |
| 2373-03575        | 00000/0000                   | 2-20020/0603                | 01/30/76         | 90             | 5193            | 2554N 08658E                            | 33.5         | 136.9        | GGGF                               |                     |                      | 150                     | 42                     |
| 2373-03581        | 00000/0000                   | 2-20020/0604                | 01/30/76         | 90             | 5193            | 2427N 08635E                            | 34.3         | 136.0        | GGGF                               |                     |                      | 150                     | 43                     |
| 2373-03584        | 00000/0000                   | 2-20020/0605                | 01/30/76         | 90             | 5193            | 2301N 08612E                            | 35.2         | 135.1        | GGGG                               |                     |                      | 150                     | 44                     |
| 2373-03590        | 00000/0000                   | 2-20020/0606                | 01/30/76         | 90             | 5193            | 2135N 08550E                            | 36.0         | 134.1        | GGGF                               |                     |                      | 150                     | 45                     |
| 2373-03593        | 00000/0000                   | 2-20020/0607                | 01/30/76         | 100            | 5193            | 2009N 08527E                            | 36.8         | 133.1        | GGGG                               |                     |                      | 150                     | 46                     |
| 2373-04040        | 00000/0000                   | 2-20020/0608                | 01/30/76         | 100            | 5193            | 0418N 08140E                            | 44.3         | 120.3        | GGGG                               |                     |                      | 150                     | 57                     |
| 2373-05365        | 00000/0000                   | 2-20020/0562                | 01/30/76         | 0              | 5194            | 4010N 06526E                            | 24.1         | 144.8        | GGGG                               |                     |                      | 168                     | 32                     |
| 2373-05392        | 00000/0000                   | 2-20020/0638                | 01/30/76         | 10             | 5194            | 3137N 06244E                            | 29.9         | 140.3        | GGGG                               |                     |                      | 168                     | 38                     |
| 2373-05395        | 00000/0000                   | 2-20020/0609                | 01/30/76         | 70             | 5194            | 3011N 06220E                            | 30.8         | 139.5        | GGGF                               |                     |                      | 168                     | 39                     |
| 2373-05401        | 00000/0000                   | 2-20020/0610                | 01/30/76         | 70             | 5194            | 2845N 06156E                            | 31.7         | 138.6        | GGGF                               |                     |                      | 168                     | 40                     |
| 2373-05404        | 00000/0000                   | 2-20020/0611                | 01/30/76         | 60             | 5194            | 2719N 06132E                            | 32.6         | 137.8        | GGGG                               |                     |                      | 168                     | 41                     |
| 2373-05410        | 00000/0000                   | 2-20020/0612                | 01/30/76         | 60             | 5194            | 2553N 06108E                            | 33.5         | 136.9        | GGGG                               |                     |                      | 168                     | 42                     |
| 2373-07162        | 00000/0000                   | 2-20020/0613                | 01/30/76         | 100            | 5195            | 5253N 04500E                            | 14.9         | 151.4        | GGGF                               |                     |                      | 186                     | 23                     |
| 2373-07183        | 00000/0000                   | 2-20020/0614                | 01/30/76         | 50             | 5195            | 4550N 04147E                            | 20.1         | 147.7        | GGGG                               |                     |                      | 186                     | 24                     |
| 2373-07301        | 00000/0000                   | 2-20020/0615                | 01/30/76         | 30             | 5195            | 0546N 03024E                            | 43.8         | 121.6        | GGGG                               |                     |                      | 186                     | 56                     |
| 2373-07303        | 00000/0000                   | 2-20020/0616                | 01/30/76         | 0              | 5195            | 0420N 03004E                            | 44.3         | 120.2        | GGGG                               |                     |                      | 186                     | 57                     |
| 2373-07310        | 00000/0000                   | 2-20020/0617                | 01/30/76         | 0              | 5195            | 0254N 02944E                            | 44.8         | 118.9        | GGGG                               |                     |                      | 186                     | 58                     |
| 2373-07312        | 00000/0000                   | 2-20020/0618                | 01/30/76         | 60             | 5195            | 0127N 02924E                            | 45.3         | 117.5        | FGGG                               |                     |                      | 186                     | 59                     |
| 2373-07315        | 00000/0000                   | 2-20020/0619                | 01/30/76         | 90             | 5195            | 0001N 02904E                            | 45.7         | 116.1        | FGGG                               |                     |                      | 186                     | 60                     |
| 2373-07321        | 00000/0000                   | 2-20020/0620                | 01/30/76         | 90             | 5195            | 0124S 02844E                            | 46.1         | 114.6        | FGGG                               |                     |                      | 186                     | 61                     |
| 2373-07324        | 00000/0000                   | 2-20020/0621                | 01/30/76         | 90             | 5195            | 0251S 02824E                            | 46.5         | 113.2        | FGGG                               |                     |                      | 186                     | 62                     |
| 2373-07330        | 00000/0000                   | 2-20020/0622                | 01/30/76         | 90             | 5195            | 0418S 02804E                            | 46.9         | 111.7        | GGGG                               |                     |                      | 186                     | 63                     |
| 2373-07333        | 00000/0000                   | 2-20020/0623                | 01/30/76         | 90             | 5195            | 0544S 02744E                            | 47.2         | 110.2        | FFFF                               |                     |                      | 186                     | 64                     |
| 2373-09053        | 00000/0000                   | 2-20020/0639                | 01/30/76         | 0              | 5196            | 3302N 01135E                            | 29.0         | 141.0        | GGFF                               |                     |                      | 204                     | 37                     |
| 2373-09060        | 00000/0000                   | 2-20020/0640                | 01/30/76         | 0              | 5196            | 3136N 01109E                            | 29.9         | 140.2        | GG F                               |                     |                      | 204                     | 38                     |
| 2373-09062        | 00000/0000                   | 2-20020/0641                | 01/30/76         | 40             | 5196            | 3010N 01044E                            | 30.8         | 139.4        | GGFF                               |                     |                      | 204                     | 39                     |
| 2373-09103        | 00000/0000                   | 2-20020/0642                | 01/30/76         | 0              | 5196            | 1550N 00657E                            | 39.2         | 129.9        | GGGG                               |                     |                      | 204                     | 49                     |
| 2373-09110        | 00000/0000                   | 2-20020/0643                | 01/30/76         | 0              | 5196            | 1424N 00636E                            | 39.9         | 128.8        | GGGG                               |                     |                      | 204                     | 50                     |
| 2373-09112        | 00000/0000                   | 2-20020/0644                | 01/30/76         | 0              | 5196            | 1258N 00616E                            | 40.6         | 127.7        | GGGG                               |                     |                      | 204                     | 51                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=GAIN, NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 22, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2373-09115        | 00000/0000 2-20020/0645                        | 01/30/76         | 0                     | 5196                               | 1132N                               | 00555E       | 41.3         | 126.5                 | GGGG                |                      | 204                     | 52                     |
| 2373-09121        | 00000/0000 2-20020/0646                        | 01/30/76         | 10                    | 5196                               | 1005N                               | 00535E       | 42.0         | 125.3                 | GGGG                |                      | 204                     | 53                     |
| 2373-09124        | 00000/0000 2-20020/0647                        | 01/30/76         | 20                    | 5196                               | 0839N                               | 00515E       | 42.6         | 124.1                 | GGFG                |                      | 204                     | 54                     |
| 2373-09130        | 00000/0000 2-20020/0648                        | 01/30/76         | 80                    | 5196                               | 0712N                               | 00454E       | 43.2         | 122.8                 | GGGF                |                      | 204                     | 55                     |
| 2373-10*12        | 00000/0000 2-20020/0649                        | 01/30/76         | 20                    | 5197                               | 5826N                               | 00319W       | 10.7         | 154.6                 | GGFG                |                      | 222                     | 19                     |
| 2373-10*14        | 00000/0000 2-20020/0624                        | 01/30/76         | 10                    | 5197                               | 5703N                               | 00413W       | 11.8         | 153.7                 | GGGG                |                      | 222                     | 20                     |
| 2373-10*21        | 00000/0000 2-20020/0625                        | 01/30/76         | 20                    | 5197                               | 5539N                               | 00504W       | 12.8         | 152.9                 | GGGG                |                      | 222                     | 21                     |
| 2373-10*23        | 00000/0000 2-20020/0626                        | 01/30/76         | 70                    | 5197                               | 5415N                               | 00552W       | 13.9         | 152.1                 | GGFF                |                      | 222                     | 22                     |
| 2373-10*30        | 00000/0000 2-20020/0627                        | 01/30/76         | 90                    | 5197                               | 5252N                               | 00637W       | 14.9         | 151.3                 | FGFF                |                      | 222                     | 23                     |
| 2373-10*32        | 00000/0000 2-20020/0628                        | 01/30/76         | 100                   | 5197                               | 5129N                               | 00720W       | 16.0         | 150.6                 | GGFG                |                      | 222                     | 24                     |
| 2373-10*35        | 00000/0000 2-20020/0629                        | 01/30/76         | 90                    | 5197                               | 5004N                               | 00801W       | 17.0         | 149.8                 | GGGG                |                      | 222                     | 25                     |
| 2373-10*41        | 00000/0000 2-20020/0630                        | 01/30/76         | 80                    | 5197                               | 4840N                               | 00839W       | 18.1         | 149.1                 | GGGF                |                      | 222                     | 26                     |
| 2373-12511        | 00000/0000 2-20020/0631                        | 01/30/76         | 30                    | 5198                               | 3305S                               | 05640W       | 45.2         | 82.1                  | FGGG                |                      | 240                     | 83                     |
| 2373-12514        | 00000/0000 2-20020/0632                        | 01/30/76         | 50                    | 5198                               | 3425S                               | 05706W       | 44.7         | 80.9                  | GGGG                |                      | 240                     | 84                     |
| 2373-12520        | 00000/0000 2-20020/0633                        | 01/30/76         | 90                    | 5198                               | 3505S                               | 05733W       | 44.2         | 79.8                  | FFFF                |                      | 240                     | 85                     |
| 2373-12523        | 00000/0000 2-20020/0634                        | 01/30/76         | 90                    | 5198                               | 3716S                               | 05801W       | 43.7         | 78.7                  | FFFF                |                      | 240                     | 86                     |
| 2373-12525        | 00000/0000 2-20020/0635                        | 01/30/76         | 70                    | 5198                               | 3840S                               | 05829W       | 43.1         | 77.7                  | FFFF                |                      | 240                     | 87                     |
| 2373-14081        | 00000/0000 2-20020/0650                        | 01/30/76         | 90                    | 5199                               | 5702N                               | 05554W       | 11.8         | 153.7                 | GGGG                |                      | 7                       | 20                     |
| 2373-14084        | 00000/0000 2-20020/0651                        | 01/30/76         | 50                    | 5199                               | 5539N                               | 05645W       | 12.9         | 152.9                 | FGGF                |                      | 7                       | 21                     |
| 2373-14090        | 00000/0000 2-20020/0652                        | 01/30/76         | 30                    | 5199                               | 5415N                               | 05733W       | 13.9         | 152.1                 | FGGG                |                      | 7                       | 22                     |
| 2373-14211        | 00000/0000 2-20020/0636                        | 01/30/76         | 30                    | 5199                               | 1256N                               | 07110W       | 40.7         | 127.6                 | GGFG                |                      | 7                       | 51                     |
| 2373-16024        | 00000/0000 2-20020/0637                        | 01/30/76         | 90                    | 5200                               | 1841N                               | 09535W       | 37.7         | 132.0                 | GGGF                |                      | 25                      | 47                     |
| 2374-02210        | 00000/0000 2-20020/0563                        | 01/31/76         | 100                   | 5206                               | 2302N                               | 11036E       | 35.3         | 134.8                 | FGGG                |                      | 133                     | 44                     |
| 2374-02213        | 00000/0000 2-20020/0564                        | 01/31/76         | 100                   | 5206                               | 2136N                               | 11014E       | 36.2         | 133.9                 | GGGG                |                      | 133                     | 45                     |
| 2374-02215        | 00000/0000 2-20020/0565                        | 01/31/76         | 90                    | 5206                               | 2010N                               | 10952E       | 37.0         | 132.9                 | GGGG                |                      | 133                     | 46                     |
| 2374-02222        | 00000/0000 2-20020/0566                        | 01/31/76         | 40                    | 5206                               | 1844N                               | 10930E       | 37.8         | 131.9                 | GGFG                |                      | 133                     | 47                     |
| 2374-02224        | 00000/0000 2-20020/0567                        | 01/31/76         | 60                    | 5206                               | 1717N                               | 10909E       | 38.5         | 130.8                 | GGGG                |                      | 133                     | 48                     |
| 2374-02231        | 00000/0000 2-20020/0568                        | 01/31/76         | 90                    | 5206                               | 1551N                               | 10848E       | 39.3         | 129.7                 | GGGG                |                      | 133                     | 49                     |
| 2374-02233        | 00000/0000 2-20020/0569                        | 01/31/76         | 70                    | 5206                               | 1425N                               | 10827E       | 40.0         | 128.6                 | FGGG                |                      | 133                     | 50                     |
| 2374-02240        | 00000/0000 2-20020/0570                        | 01/31/76         | 70                    | 5206                               | 1258N                               | 10806E       | 40.7         | 127.5                 | GGGG                |                      | 133                     | 51                     |
| 2374-02242        | 00000/0000 2-20020/0571                        | 01/31/76         | 20                    | 5206                               | 1131N                               | 10746E       | 41.4         | 126.3                 | GGGG                |                      | 133                     | 52                     |
| 2374-02245        | 00000/0000 2-20020/0572                        | 01/31/76         | 20                    | 5206                               | 1005N                               | 10725E       | 42.0         | 125.1                 | GGGG                |                      | 133                     | 53                     |
| 2374-02251        | 00000/0000 2-20020/0573                        | 01/31/76         | 10                    | 5206                               | 0840N                               | 10705E       | 42.6         | 123.8                 | GGGG                |                      | 133                     | 54                     |
| 2374-04033        | 00000/0000 2-20020/0659                        | 01/31/76         | 10                    | 5207                               | 2554N                               | 08533E       | 33.6         | 136.7                 | GGG                 |                      | 151                     | 42                     |
| 2374-04040        | 00000/0000 2-20020/0660                        | 01/31/76         | 10                    | 5207                               | 2428N                               | 08510E       | 34.5         | 135.7                 | FGGG                |                      | 151                     | 43                     |
| 2374-04042        | 00000/0000 2-20020/0661                        | 01/31/76         | 10                    | 5207                               | 2302N                               | 08447E       | 35.3         | 134.8                 | GGGG                |                      | 151                     | 44                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANHSAT-2  
OBSERVATION ID LISTING  
FOR NHN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | WICKS FILM<br>POSITION IN RSLI<br>RBV | RSLI NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RAW<br>NUMBER |
|-------------------|---------------------------------------|------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2374-04045        | 00000/0000                            | 2-20020/0662     | 01/31/76         | 30             | 5207            | 2136N                              | 08425E                              | 36.2         | 133.8        | GGGG                               |                     |                      | 151                     | 45                     |
| 2374-04051        | 00000/0000                            | 2-20020/0663     | 01/31/76         | 30             | 5207            | 2010N                              | 08403E                              | 37.0         | 132.9        | GGGG                               |                     |                      | 151                     | 46                     |
| 2374-05442        | 00000/0000                            | 2-20020/0694     | 01/31/76         | 60             | 5208            | 3429N                              | 06211E                              | 28.2         | 141.7        | GGGG                               |                     |                      | 169                     | 36                     |
| 2374-05444        | 00000/0000                            | 2-20020/0695     | 01/31/76         | 30             | 5208            | 3304N                              | 06145E                              | 29.1         | 140.9        | GGGG                               |                     |                      | 169                     | 37                     |
| 2374-05451        | 00000/0000                            | 2-20020/0696     | 01/31/76         | 30             | 5208            | 3138N                              | 06119E                              | 30.1         | 140.1        | GGGG                               |                     |                      | 169                     | 38                     |
| 2374-05453        | 00000/0000                            | 2-20020/0697     | 01/31/76         | 90             | 5208            | 3011N                              | 06055E                              | 31.0         | 139.2        | GGGG                               |                     |                      | 169                     | 39                     |
| 2374-05460        | 00000/0000                            | 2-20020/0698     | 01/31/76         | 90             | 5208            | 2846N                              | 06031E                              | 31.9         | 138.4        | GGGG                               |                     |                      | 169                     | 40                     |
| 2374-05462        | 00000/0000                            | 2-20020/0699     | 01/31/76         | 100            | 5208            | 2719N                              | 06007E                              | 32.8         | 137.5        | GGGG                               |                     |                      | 169                     | 41                     |
| 2374-05465        | 00000/0000                            | 2-20020/0700     | 01/31/76         | 90             | 5208            | 2553N                              | 05944E                              | 33.6         | 136.6        | GGGG                               |                     |                      | 169                     | 42                     |
| 2374-07214        | 00000/0000                            | 2-20020/0701     | 01/31/76         | 20             | 5205            | 5417N                              | 04418E                              | 14.1         | 152.0        | GGGG                               |                     |                      | 187                     | 22                     |
| 2374-07221        | 00000/0000                            | 2-20020/0702     | 01/31/76         | 30             | 5209            | 5254N                              | 04333E                              | 15.1         | 151.2        | GGGG                               |                     |                      | 187                     | 23                     |
| 2374-07223        | 00000/0000                            | 2-20020/0703     | 01/31/76         | 60             | 5209            | 5130N                              | 04250E                              | 16.2         | 150.5        | GGGG                               |                     |                      | 187                     | 24                     |
| 2374-07230        | 00000/0000                            | 2-20020/0763     | 01/31/76         | 100            | 5209            | 5015N                              | 04210E                              | 17.2         | 149.7        | GGGG                               |                     |                      | 187                     | 25                     |
| 2374-07232        | 00000/0000                            | 2-20020/0785     | 01/31/76         | 90             | 5209            | 4841N                              | 04131E                              | 18.2         | 149.0        | GGGG                               |                     |                      | 187                     | 26                     |
| 2374-07235        | 00000/0000                            | 2-20020/0716     | 01/31/76         | 70             | 5205            | 4716N                              | 04055E                              | 19.3         | 148.3        | FGGG                               |                     |                      | 187                     | 27                     |
| 2374-07241        | 00000/0000                            | 2-20020/0717     | 01/31/76         | 60             | 5209            | 4551N                              | 04020E                              | 20.3         | 147.5        | GGGG                               |                     |                      | 187                     | 28                     |
| 2374-07244        | 00000/0000                            | 2-20020/0718     | 01/31/76         | 70             | 5209            | 4426N                              | 03947E                              | 21.3         | 146.8        | GGGG                               |                     |                      | 187                     | 29                     |
| 2374-07250        | 00000/0000                            | 2-20020/0719     | 01/31/76         | 70             | 5209            | 4300N                              | 03915E                              | 22.3         | 146.1        | GGGG                               |                     |                      | 187                     | 30                     |
| 2374-07285        | 00000/0000                            | 2-20020/0720     | 01/31/76         | 20             | 5209            | 3011N                              | 03505E                              | 31.0         | 139.2        | GGGG                               |                     |                      | 187                     | 39                     |
| 2374-07291        | 00000/0000                            | 2-20020/0721     | 01/31/76         | 10             | 5209            | 2845N                              | 03441E                              | 31.9         | 138.4        | GGGG                               |                     |                      | 187                     | 40                     |
| 2374-07294        | 00000/0000                            | 2-20020/0722     | 01/31/76         | 20             | 5209            | 2719N                              | 03418E                              | 32.8         | 137.5        | FGGG                               |                     |                      | 187                     | 41                     |
| 2374-07300        | 00000/0000                            | 2-20020/0723     | 01/31/76         | 10             | 5209            | 2553N                              | 03355E                              | 33.7         | 136.6        | GGGG                               |                     |                      | 187                     | 42                     |
| 2374-07303        | 00000/0000                            | 2-20020/0724     | 01/31/76         | 0              | 5209            | 2427N                              | 03332E                              | 34.5         | 135.7        | GGGG                               |                     |                      | 187                     | 43                     |
| 2374-07305        | 00000/0000                            | 2-20020/0725     | 01/31/76         | 0              | 5209            | 2301N                              | 03309E                              | 35.4         | 134.8        | GGGG                               |                     |                      | 187                     | 44                     |
| 2374-07312        | 00000/0000                            | 2-20020/0706     | 01/31/76         | 0              | 5209            | 2135N                              | 03247E                              | 36.2         | 133.8        | GGGG                               |                     |                      | 187                     | 45                     |
| 2374-07314        | 00000/0000                            | 2-20020/0664     | 01/31/76         | 0              | 5209            | 2009N                              | 03225E                              | 37.0         | 132.8        | FFGG                               |                     |                      | 187                     | 46                     |
| 2374-07321        | 00000/0000                            | 2-20020/0665     | 01/31/76         | 0              | 5209            | 1843N                              | 03204E                              | 37.8         | 131.8        | FFGG                               |                     |                      | 187                     | 47                     |
| 2374-07323        | 00000/0000                            | 2-20020/0666     | 01/31/76         | 0              | 5209            | 1717N                              | 03143E                              | 38.6         | 130.7        | FFGG                               |                     |                      | 187                     | 48                     |
| 2374-07330        | 00000/0000                            | 2-20020/0667     | 01/31/76         | 0              | 5209            | 1550N                              | 03122E                              | 39.3         | 129.7        | FFGG                               |                     |                      | 187                     | 49                     |
| 2374-07332        | 00000/0000                            | 2-20020/0668     | 01/31/76         | 0              | 5209            | 1424N                              | 03100E                              | 40.0         | 128.5        | FFGG                               |                     |                      | 187                     | 50                     |
| 2374-07335        | 00000/0000                            | 2-20020/0669     | 01/31/76         | 0              | 5209            | 1258N                              | 03039E                              | 40.7         | 127.4        | FGGG                               |                     |                      | 187                     | 51                     |
| 2374-07341        | 00000/0000                            | 2-20020/0670     | 01/31/76         | 30             | 5209            | 1132N                              | 03018E                              | 41.4         | 126.2        | FGGG                               |                     |                      | 187                     | 52                     |
| 2374-07344        | 00000/0000                            | 2-20020/0671     | 01/31/76         | 70             | 5209            | 1004N                              | 02957E                              | 42.1         | 125.0        | GGGG                               |                     |                      | 187                     | 53                     |
| 2374-07355        | 00000/0000                            | 2-20020/0672     | 01/31/76         | 10             | 5209            | 0546N                              | 02857E                              | 43.8         | 121.2        | FFFF                               |                     |                      | 187                     | 56                     |
| 2374-07362        | 00000/0000                            | 2-20020/0673     | 01/31/76         | 20             | 5209            | 0419N                              | 02837E                              | 44.4         | 119.9        | FGGG                               |                     |                      | 187                     | 57                     |
| 2374-07364        | 00000/0000                            | 2-20020/0674     | 01/31/76         | 80             | 5209            | 0254N                              | 02818E                              | 44.9         | 118.5        | GGGG                               |                     |                      | 187                     | 58                     |

KEYS: CLOUD COVER 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2374-07371        | 00000/0000                   | 2-20020/0675                | 01/31/76         | 80             | 5203                   | 0128N 02757E                            | 45.3         | 117.1        | GGGG                               |                     |                      | 187                     | 59                     |
| 2374-07373        | 00000/0000                   | 2-20020/0676                | 01/31/76         | 90             | 5209                   | 0001N 02737E                            | 45.8         | 115.7        | FFFF                               |                     |                      | 187                     | 60                     |
| 2374-09152        | 00000/0000                   | 2-20020/0707                | 01/31/76         | 20             | 5210                   | 1843N 00616E                            | 37.8         | 131.8        | FGGG                               |                     |                      | 205                     | 47                     |
| 2374-09155        | 00000/0000                   | 2-20020/0708                | 01/31/76         | 10             | 5210                   | 1717N 00554E                            | 38.6         | 130.7        | GGGG                               |                     |                      | 205                     | 48                     |
| 2374-09161        | 00000/0000                   | 2-20020/0709                | 01/31/76         | 0              | 5210                   | 1551N 00532E                            | 39.3         | 129.6        | GGGG                               |                     |                      | 205                     | 49                     |
| 2374-09164        | 00000/0000                   | 2-20020/0710                | 01/31/76         | 0              | 5210                   | 1424N 00511E                            | 40.0         | 128.5        | GGGG                               |                     |                      | 205                     | 50                     |
| 2374-09170        | 00000/0000                   | 2-20020/0711                | 01/31/76         | 0              | 5210                   | 1257N 00450E                            | 40.7         | 127.4        | FGGF                               |                     |                      | 205                     | 51                     |
| 2374-09173        | 00000/0000                   | 2-20020/0712                | 01/31/76         | 10             | 5210                   | 1132N 00429E                            | 41.4         | 126.2        | FGGF                               |                     |                      | 205                     | 52                     |
| 2374-09175        | 00000/0000                   | 2-20020/0713                | 01/31/76         | 20             | 5210                   | 1055N 00409E                            | 42.1         | 125.0        | GGGG                               |                     |                      | 205                     | 53                     |
| 2374-09182        | 00000/0000                   | 2-20020/0714                | 01/31/76         | 20             | 5210                   | 0839N 00348E                            | 42.7         | 123.7        | GGGG                               |                     |                      | 205                     | 54                     |
| 2374-14142        | 00000/0000                   | 2-20020/0731                | 01/31/76         | 20             | 5213                   | 5541N 05811W                            | 13.1         | 152.8        | GGGG                               |                     |                      | 8                       | 21                     |
| 2374-16083        | 00000/0000                   | 2-20020/0715                | 01/31/76         | 40             | 5214                   | 1842N 09700W                            | 37.9         | 131.7        | GGGG                               |                     |                      | 26                      | 47                     |
| 2375-00415        | 00000/0000                   | 2-20020/0726                | 02/01/76         | 80             | 5219                   | 2843N 13631E                            | 32.1         | 138.2        | GGGG                               |                     |                      | 116                     | 40                     |
| 2375-00422        | 00000/0000                   | 2-20020/0727                | 02/01/76         | 80             | 5219                   | 2718N 13607E                            | 32.9         | 137.3        | GGGG                               |                     |                      | 116                     | 41                     |
| 2375-00424        | 00000/0000                   | 2-20020/0728                | 02/01/76         | 30             | 5219                   | 2552N 13544E                            | 33.8         | 136.4        | GGGG                               |                     |                      | 116                     | 42                     |
| 2375-00431        | 00000/0000                   | 2-20020/0729                | 02/01/76         | 20             | 5219                   | 2425N 13521E                            | 34.7         | 135.5        | GGGG                               |                     |                      | 116                     | 43                     |
| 2375-00433        | 00000/0000                   | 2-20020/0730                | 02/01/76         | 30             | 5219                   | 2259N 13457E                            | 35.5         | 134.5        | GGGG                               |                     |                      | 116                     | 44                     |
| 2375-02260        | 00000/0000                   | 2-20020/0786                | 02/01/76         | 50             | 5220                   | 2551N 10954E                            | 33.8         | 136.4        | GGGG                               |                     |                      | 134                     | 42                     |
| 2375-02271        | 00000/0000                   | 2-20020/0787                | 02/01/76         | 90             | 5220                   | 2133N 10846E                            | 36.3         | 133.6        | GGGG                               |                     |                      | 134                     | 45                     |
| 2375-02285        | 00000/0000                   | 2-20020/0788                | 02/01/76         | 60             | 5220                   | 1547N 10720E                            | 39.4         | 129.4        | GGGG                               |                     |                      | 134                     | 49                     |
| 2375-02294        | 00000/0000                   | 2-20020/0789                | 02/01/76         | 30             | 5220                   | 1255N 10639E                            | 40.8         | 127.1        | GGGG                               |                     |                      | 134                     | 51                     |
| 2375-02301        | 00000/0000                   | 2-20020/0790                | 02/01/76         | 20             | 5220                   | 1129N 10619E                            | 41.5         | 125.9        | GGGG                               |                     |                      | 134                     | 52                     |
| 2375-02303        | 00000/0000                   | 2-20020/0791                | 02/01/76         | 20             | 5220                   | 1033N 10558E                            | 42.2         | 124.7        | GGGG                               |                     |                      | 134                     | 53                     |
| 2375-02310        | 00000/0000                   | 2-20020/0792                | 02/01/76         | 20             | 5220                   | 0837N 10538E                            | 42.8         | 123.5        | GGFG                               |                     |                      | 134                     | 54                     |
| 2375-04085        | 00000/0000                   | 2-20020/0793                | 02/01/76         | 30             | 5221                   | 2717N 08429E                            | 33.0         | 137.3        | GGGG                               |                     |                      | 152                     | 41                     |
| 2375-04091        | 00000/0000                   | 2-20020/0794                | 02/01/76         | 10             | 5221                   | 2552N 08406E                            | 33.8         | 136.4        | GGGG                               |                     |                      | 152                     | 42                     |
| 2375-04094        | 00000/0000                   | 2-20020/0795                | 02/01/76         | 0              | 5221                   | 2425N 08343E                            | 34.7         | 135.4        | GGGG                               |                     |                      | 152                     | 43                     |
| 2375-04103        | 00000/0000                   | 2-20020/0796                | 02/01/76         | 0              | 5221                   | 2133N 08258E                            | 36.4         | 133.5        | GGGG                               |                     |                      | 152                     | 45                     |
| 2375-04105        | 00000/0000                   | 2-20020/0797                | 02/01/76         | 10             | 5221                   | 2027N 08236E                            | 37.2         | 132.5        | GGGG                               |                     |                      | 152                     | 46                     |
| 2375-04112        | 00000/0000                   | 2-20020/0798                | 02/01/76         | 0              | 5221                   | 1841N 08214E                            | 37.9         | 131.5        | GGGG                               |                     |                      | 152                     | 47                     |
| 2375-05491        | 00000/0000                   | 2-20020/0764                | 02/01/76         | 90             | 5222                   | 3717N 06139E                            | 26.5         | 143.0        | GGGG                               |                     |                      | 170                     | 34                     |
| 2375-05494        | 00000/0000                   | 2-20020/0732                | 02/01/76         | 90             | 5222                   | 3552N 06112E                            | 27.5         | 142.2        | PFGG                               |                     |                      | 170                     | 35                     |
| 2375-05500        | 00000/0000                   | 2-20020/0733                | 02/01/76         | 90             | 5222                   | 3426N 06045E                            | 28.4         | 141.4        | FFF                                |                     |                      | 170                     | 36                     |
| 2375-05503        | 00000/0000                   | 2-20020/0734                | 02/01/76         | 100            | 5222                   | 3300N 06019E                            | 29.4         | 140.6        | FFF                                |                     |                      | 170                     | 37                     |
| 2375-05505        | 00000/0000                   | 2-20020/0735                | 02/01/76         | 100            | 5222                   | 3134N 05953E                            | 30.3         | 139.8        | GFG                                |                     |                      | 170                     | 38                     |
| 2375-05512        | 00000/0000                   | 2-20020/0736                | 02/01/76         | 100            | 5222                   | 3009N 05928E                            | 31.2         | 139.0        | PGFF                               |                     |                      | 170                     | 39                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = X CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0020

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2375-05514        | 00000/0000                   | 2-20020/0799                | 02/01/76         | 100            | 5222            | 2843N                        | 05904E        | 32.1         | 138.1        | GGGG                               |                     |                      | 170                     | 40                     |
| 2375-05521        | 00000/0000                   | 2-20020/0800                | 02/01/76         | 100            | 5222            | 2717N                        | 05840E        | 33.0         | 137.2        | GGFG                               |                     |                      | 170                     | 41                     |
| 2375-05523        | 00000/0000                   | 2-20020/0801                | 02/01/76         | 80             | 5222            | 2541N                        | 05817E        | 33.9         | 136.4        | GGGG                               |                     |                      | 170                     | 42                     |
| 2375-06050        | 00000/0000                   | 2-20020/0802                | 02/01/76         | 70             | 5222            | 1717S                        | 04756E        | 48.0         | 96.9         | GGGG                               |                     |                      | 170                     | 72                     |
| 2375-06053        | 00000/0000                   | 2-20020/0803                | 02/01/76         | 40             | 5222            | 1844S                        | 04734E        | 47.9         | 95.4         | GGGG                               |                     |                      | 170                     | 73                     |
| 2375-06205        | 00000/0000                   | 2-20020/0804                | 02/01/76         | 40             | 5222            | 7021S                        | 02017E        | 23.7         | 74.7         | GGGG                               |                     |                      | 170                     | 110                    |
| 2375-06212        | 00000/0000                   | 2-20020/0805                | 02/01/76         | 0              | 5222            | 7136S                        | 01803E        | 22.7         | 76.3         | GGGG                               |                     |                      | 170                     | 111                    |
| 2375-07275        | 00000/0000                   | 2-20020/0806                | 02/01/76         | 10             | 5223            | 5251N                        | 04206E        | 15.4         | 151.1        | GGGG                               |                     |                      | 188                     | 23                     |
| 2375-07300        | 00000/0000                   | 2-20020/0807                | 02/01/76         | 40             | 5223            | 4547N                        | 03855E        | 20.6         | 147.4        | GGGG                               |                     |                      | 188                     | 24                     |
| 2375-07414        | 00000/0000                   | 2-20020/0808                | 02/01/76         | 20             | 5223            | 0543N                        | 02731E        | 43.9         | 120.8        | GGGG                               |                     |                      | 188                     | 56                     |
| 2375-09213        | 00000/0000                   | 2-20020/0737                | 02/01/76         | 30             | 5224            | 1714N                        | 00425E        | 38.7         | 130.4        | FGGG                               |                     |                      | 206                     | 48                     |
| 2375-09220        | 00000/0000                   | 2-20020/0738                | 02/01/76         | 0              | 5224            | 1546N                        | 00404E        | 39.5         | 129.3        | GGF                                |                     |                      | 206                     | 49                     |
| 2375-09222        | 00000/0000                   | 2-20020/0739                | 02/01/76         | 0              | 5224            | 1419N                        | 00343E        | 40.2         | 128.2        | GGG                                |                     |                      | 206                     | 50                     |
| 2375-09225        | 00000/0000                   | 2-20020/0740                | 02/01/76         | 0              | 5224            | 1243N                        | 00323E        | 40.9         | 127.0        | PGGG                               |                     |                      | 206                     | 51                     |
| 2375-09231        | 00000/0000                   | 2-20020/0741                | 02/01/76         | 0              | 5224            | 1128N                        | 00302E        | 41.6         | 125.8        | FGGG                               |                     |                      | 206                     | 52                     |
| 2375-09234        | 00000/0000                   | 2-20020/0742                | 02/01/76         | 10             | 5224            | 1003N                        | 00241E        | 42.2         | 124.6        | FGGG                               |                     |                      | 206                     | 53                     |
| 2375-09240        | 00000/0000                   | 2-20020/0743                | 02/01/76         | 10             | 5224            | 0836N                        | 00221E        | 42.8         | 123.3        | GGGG                               |                     |                      | 206                     | 54                     |
| 2375-09243        | 00000/0000                   | 2-20020/0744                | 02/01/76         | 20             | 5224            | 0710N                        | 00200E        | 43.4         | 122.1        | FGFF                               |                     |                      | 206                     | 55                     |
| 2375-09245        | 00000/0000                   | 2-20020/0745                | 02/01/76         | 50             | 5224            | 0544N                        | 00140E        | 43.9         | 120.7        | FGGG                               |                     |                      | 206                     | 56                     |
| 2375-09252        | 00000/0000                   | 2-20020/0746                | 02/01/76         | 40             | 5224            | 0417N                        | 00120E        | 44.5         | 119.4        | FGGG                               |                     |                      | 206                     | 57                     |
| 2375-09254        | 00000/0000                   | 2-20020/0747                | 02/01/76         | 40             | 5224            | 0251N                        | 00100E        | 45.0         | 118.0        | FGFG                               |                     |                      | 206                     | 58                     |
| 2375-09261        | 00000/0000                   | 2-20020/0748                | 02/01/76         | 60             | 5224            | 0124N                        | 00041E        | 45.4         | 116.6        | FGGG                               |                     |                      | 206                     | 59                     |
| 2375-13012        | 00000/0000                   | 2-20020/0749                | 02/01/76         | 20             | 5226            | 2843S                        | 05818W        | 46.2         | 85.3         | PPPP                               |                     |                      | 242                     | 80                     |
| 2375-13015        | 00000/0000                   | 2-20020/0750                | 02/01/76         | 20             | 5226            | 3008S                        | 05842W        | 45.8         | 84.0         | GGGG                               |                     |                      | 242                     | 81                     |
| 2375-13021        | 00000/0000                   | 2-20020/0751                | 02/01/76         | 0              | 5226            | 3123S                        | 05907W        | 45.3         | 82.7         | FFFF                               |                     |                      | 242                     | 82                     |
| 2375-14350        | 00000/0000                   | 2-20020/0765                | 02/01/76         | 30             | 5227            | 0420N                        | 07604W        | 44.5         | 119.4        | GGGG                               |                     |                      | 9                       | 57                     |
| 2375-14353        | 00000/0000                   | 2-20020/0766                | 02/01/76         | 30             | 5227            | 0253N                        | 07624W        | 45.0         | 118.0        | GGGG                               |                     |                      | 9                       | 58                     |
| 2375-14355        | 00000/0000                   | 2-20020/0767                | 02/01/76         | 30             | 5227            | 0127N                        | 07644W        | 45.4         | 116.6        | GGGG                               |                     |                      | 9                       | 59                     |
| 2375-14362        | 00000/0000                   | 2-20020/0768                | 02/01/76         | 50             | 5227            | 0000N                        | 07703W        | 45.8         | 115.2        | FGGG                               |                     |                      | 9                       | 60                     |
| 2375-14364        | 00000/0000                   | 2-20020/0769                | 02/01/76         | 70             | 5227            | 0125S                        | 07723W        | 46.2         | 113.7        | FGGG                               |                     |                      | 9                       | 61                     |
| 2375-14373        | 00000/0000                   | 2-20020/0770                | 02/01/76         | 90             | 5227            | 0417S                        | 07803W        | 46.9         | 110.7        | GGGG                               |                     |                      | 9                       | 63                     |
| 2375-14380        | 00000/0000                   | 2-20020/0771                | 02/01/76         | 90             | 5227            | 0544S                        | 07823W        | 47.2         | 109.2        | GGGG                               |                     |                      | 9                       | 64                     |
| 2375-16123        | 00000/0000                   | 2-20020/0871                | 02/01/76         | 0              | 5228            | 2427N                        | 09459W        | 34.8         | 135.3        | GGFG                               |                     |                      | 27                      | 43                     |
| 2375-16130        | 00000/0000                   | 2-20020/0872                | 02/01/76         | 10             | 5228            | 2301N                        | 09722W        | 35.6         | 134.4        | GGFG                               |                     |                      | 27                      | 44                     |
| 2375-16132        | 00000/0000                   | 2-20020/0873                | 02/01/76         | 10             | 5228            | 2135N                        | 09744W        | 36.4         | 133.4        | GGFG                               |                     |                      | 27                      | 45                     |
| 2375-16135        | 00000/0000                   | 2-20020/0874                | 02/01/76         | 10             | 5228            | 2009N                        | 09807W        | 37.2         | 132.4        | GGGG                               |                     |                      | 27                      | 46                     |

KEYS: CLOUD COVER x ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | FILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA<br>MODE | MSS<br>MSS<br>IMAGE<br>GAIN | ORBIT<br>PAYM<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-------------------|----------------------------|-----------------------------|-------------------------|------------------------|
|                   |                         |                             |                  |                |                 |                              |               |              |              | 123               | 45678                      |                             |                         |                        |
| 2375-17534        | 00000/0000              | 2-20020/0677                | 02/01/76         | 70             | 5229            | 3136N                        | 12050W        | 30.4         | 139.7        | GGGG              |                            |                             | 45                      | 38                     |
| 2375-21422        | 00000/0000              | 2-20020/0772                | 02/01/76         | 90             | 5231            | 4419S                        | 16730E        | 40.0         | 73.6         | GGGG              |                            |                             | 81                      | 91                     |
| 2375-21424        | 00000/0000              | 2-20020/0773                | 02/01/76         | 90             | 5231            | 4544S                        | 16656E        | 39.3         | 72.8         | GGGG              |                            |                             | 81                      | 92                     |
| 2376-02321        | 00000/0000              | 2-20020/0704                | 02/02/76         | 50             | 5234            | 2425N                        | 10805E        | 34.9         | 135.2        | GGGG              |                            |                             | 135                     | 43                     |
| 2376-02323        | 00000/0000              | 2-20020/0705                | 02/02/76         | 70             | 5234            | 2300N                        | 10743E        | 35.7         | 134.3        | GGGG              |                            |                             | 135                     | 44                     |
| 2376-02341        | 00000/0000              | 2-20020/0774                | 02/02/76         | 60             | 5234            | 1715N                        | 10616E        | 38.8         | 130.2        | GGGG              |                            |                             | 135                     | 48                     |
| 2376-02344        | 00000/0000              | 2-20020/0775                | 02/02/76         | 10             | 5234            | 1549N                        | 10555E        | 39.6         | 129.1        | GGGG              |                            |                             | 135                     | 49                     |
| 2376-02350        | 00000/0000              | 2-20020/0776                | 02/02/76         | 10             | 5234            | 1422N                        | 10534E        | 40.3         | 127.9        | GGGG              |                            |                             | 135                     | 50                     |
| 2376-02353        | 00000/0000              | 2-20020/0777                | 02/02/76         | 30             | 5234            | 1256N                        | 10514E        | 41.0         | 126.8        | GGGG              |                            |                             | 135                     | 51                     |
| 2376-02355        | 00000/0000              | 2-20020/0778                | 02/02/76         | 70             | 5234            | 1130N                        | 10453E        | 41.6         | 125.6        | GGGG              |                            |                             | 135                     | 52                     |
| 2376-02362        | 00000/0000              | 2-20020/0779                | 02/02/76         | 90             | 5234            | 1003N                        | 10433E        | 42.3         | 124.4        | GGGG              |                            |                             | 135                     | 53                     |
| 2376-04143        | 00000/0000              | 2-20020/0780                | 02/02/76         | 20             | 5235            | 2716N                        | 08303E        | 33.2         | 137.0        | GGGG              |                            |                             | 153                     | 41                     |
| 2376-04150        | 00000/0000              | 2-20020/0781                | 02/02/76         | 0              | 5235            | 2551N                        | 08240E        | 34.0         | 136.1        | GGGG              |                            |                             | 153                     | 42                     |
| 2376-04155        | 00000/0000              | 2-20020/0782                | 02/02/76         | 0              | 5235            | 2258N                        | 08154E        | 35.7         | 134.2        | GGGG              |                            |                             | 153                     | 44                     |
| 2376-04161        | 00000/0000              | 2-20020/0783                | 02/02/76         | 0              | 5235            | 2132N                        | 08132E        | 36.5         | 133.3        | GGGG              |                            |                             | 153                     | 45                     |
| 2376-04164        | 00000/0000              | 2-20020/0784                | 02/02/76         | 0              | 5235            | 2007N                        | 08110E        | 37.3         | 132.2        | GGGG              |                            |                             | 153                     | 46                     |
| 2376-05581        | 00000/0000              | 2-20020/0752                | 02/02/76         | 90             | 5236            | 2552N                        | 05650E        | 34.0         | 136.1        | GGGG              |                            |                             | 171                     | 42                     |
| 2376-06263        | 00000/0000              | 2-20020/0753                | 02/02/76         | 100            | 5236            | 7020S                        | 01851E        | 23.4         | 74.6         | GGGG              |                            |                             | 171                     | 110                    |
| 2376-06270        | 00000/0000              | 2-20020/0754                | 02/02/76         | 80             | 5236            | 7136S                        | 01637E        | 22.4         | 76.2         | GGGG              |                            |                             | 171                     | 111                    |
| 2376-07331        | 00000/0000              | 2-20020/0755                | 02/02/76         | 10             | 5237            | 5416N                        | 04128E        | 14.6         | 151.7        | GGGG              |                            |                             | 189                     | 22                     |
| 2376-07333        | 00000/0000              | 2-20020/0756                | 02/02/76         | 10             | 5237            | 5251N                        | 04043E        | 15.7         | 150.9        | GGGG              |                            |                             | 189                     | 23                     |
| 2376-07340        | 00000/0000              | 2-20020/0757                | 02/02/76         | 10             | 5237            | 5127N                        | 04000E        | 16.7         | 150.2        | GGGG              |                            |                             | 189                     | 24                     |
| 2376-07342        | 00000/0000              | 2-20020/0758                | 02/02/76         | 20             | 5237            | 5002N                        | 03919E        | 17.7         | 149.4        | GGGG              |                            |                             | 189                     | 25                     |
| 2376-07345        | 00000/0000              | 2-20020/0759                | 02/02/76         | 0              | 5237            | 4838N                        | 03841E        | 18.8         | 148.7        | GGGG              |                            |                             | 189                     | 26                     |
| 2376-07351        | 00000/0000              | 2-20020/0760                | 02/02/76         | 10             | 5237            | 4713N                        | 03805E        | 19.8         | 147.9        | GGGG              |                            |                             | 189                     | 27                     |
| 2376-07354        | 00000/0000              | 2-20020/0761                | 02/02/76         | 60             | 5237            | 4548N                        | 03730E        | 20.8         | 147.2        | GGGG              |                            |                             | 189                     | 28                     |
| 2376-07360        | 00000/0000              | 2-20020/0762                | 02/02/76         | 90             | 5237            | 4423N                        | 03656E        | 21.8         | 146.5        | GGGG              |                            |                             | 189                     | 29                     |
| 2376-09240        | 00000/0000              | 2-20020/0812                | 02/02/76         | 10             | 5238            | 2843N                        | 00600E        | 32.3         | 137.8        | GGGG              |                            |                             | 207                     | 40                     |
| 2376-09242        | 00000/0000              | 2-20020/0813                | 02/02/76         | 0              | 5238            | 2717N                        | 00536E        | 33.2         | 137.0        | GGGG              |                            |                             | 207                     | 41                     |
| 2376-09245        | 00000/0000              | 2-20020/0814                | 02/02/76         | 0              | 5238            | 2551N                        | 00513E        | 34.1         | 136.1        | GGGG              |                            |                             | 207                     | 42                     |
| 2376-09251        | 00000/0000              | 2-20020/0815                | 02/02/76         | 0              | 5238            | 2425N                        | 00449E        | 34.9         | 135.1        | GGGG              |                            |                             | 207                     | 43                     |
| 2376-09254        | 00000/0000              | 2-20020/0816                | 02/02/76         | 0              | 5238            | 2259N                        | 00426E        | 35.8         | 134.2        | GGGG              |                            |                             | 207                     | 44                     |
| 2376-09260        | 00000/0000              | 2-20020/0817                | 02/02/76         | 0              | 5238            | 2133N                        | 00404E        | 36.6         | 133.2        | GGGG              |                            |                             | 207                     | 45                     |
| 2376-09263        | 00000/0000              | 2-20020/0818                | 02/02/76         | 0              | 5238            | 2007N                        | 00343E        | 37.4         | 132.2        | GGGG              |                            |                             | 207                     | 46                     |
| 2376-09265        | 00000/0000              | 2-20020/0819                | 02/02/76         | 0              | 5238            | 1841N                        | 00322E        | 38.1         | 131.1        | GGGG              |                            |                             | 207                     | 47                     |
| 2376-09272        | 00000/0000              | 2-20020/0820                | 02/02/76         | 0              | 5238            | 1715N                        | 00300E        | 38.9         | 130.1        | GGGG              |                            |                             | 207                     | 48                     |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANNSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>NRW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2376-09274        | 00000/0000                   | 2-20020/0821                | 02/02/76         | 0              | 5230            | 1549N                        | 00239E        | 39.6         | 129.0        | GGGG                               |                     |                      | 207                     | 49                     |
| 2376-09281        | 00000/0000                   | 2-20020/0822                | 02/02/76         | 10             | 5238            | 1422N                        | 00218E        | 40.3         | 127.8        | GGGG                               |                     |                      | 207                     | 50                     |
| 2376-09283        | 00000/0000                   | 2-20020/0823                | 02/02/76         | 10             | 5238            | 1255N                        | 00158E        | 41.0         | 126.7        | GGGG                               |                     |                      | 207                     | 51                     |
| 2376-09290        | 00000/0000                   | 2-20020/0824                | 02/02/76         | 10             | 5238            | 1129N                        | 00137E        | 41.7         | 125.5        | GGGG                               |                     |                      | 207                     | 52                     |
| 2376-09292        | 00000/0000                   | 2-20020/0825                | 02/02/76         | 10             | 5238            | 1002N                        | 00117E        | 42.3         | 124.2        | GGGG                               |                     |                      | 207                     | 53                     |
| 2376-09295        | 00000/0000                   | 2-20020/0826                | 02/02/76         | 10             | 5238            | 0837N                        | 00057E        | 42.9         | 123.0        | GGGG                               |                     |                      | 207                     | 54                     |
| 2376-09301        | 00000/0000                   | 2-20020/0827                | 02/02/76         | 10             | 5238            | 0711N                        | 00036E        | 43.5         | 121.7        | GGGG                               |                     |                      | 207                     | 55                     |
| 2376-10585        | 00000/0000                   | 2-20020/0678                | 02/02/76         | 90             | 5239            | 5711N                        | 00836W        | 12.6         | 153.4        | GGG                                |                     |                      | 225                     | 20                     |
| 2376-10592        | 00000/0000                   | 2-20020/0679                | 02/02/76         | 90             | 5239            | 5537N                        | 00926W        | 13.6         | 152.5        | GGGG                               |                     |                      | 225                     | 21                     |
| 2376-10594        | 00000/0000                   | 2-20020/0680                | 02/02/76         | 100            | 5239            | 5414N                        | 01014W        | 14.7         | 151.7        | GGGG                               |                     |                      | 225                     | 22                     |
| 2376-11001        | 00000/0000                   | 2-20020/0681                | 02/02/76         | 100            | 5239            | 5250N                        | 01058W        | 15.7         | 150.9        | GGGG                               |                     |                      | 225                     | 23                     |
| 2376-11003        | 00000/0000                   | 2-20020/0682                | 02/02/76         | 90             | 5239            | 5125N                        | 01141W        | 16.8         | 150.2        | GGGG                               |                     |                      | 225                     | 24                     |
| 2376-11010        | 00000/0000                   | 2-20020/0683                | 02/02/76         | 90             | 5239            | 5001N                        | 01221W        | 17.8         | 149.4        | GGGG                               |                     |                      | 225                     | 25                     |
| 2376-11012        | 00000/0000                   | 2-20020/0684                | 02/02/76         | 100            | 5239            | 4837N                        | 01259W        | 18.8         | 148.7        | FGGG                               |                     |                      | 225                     | 26                     |
| 2376-13062        | 00000/0000                   | 2-20020/0685                | 02/02/76         | 10             | 5240            | 2553S                        | 05859W        | 46.7         | 87.6         | FFFF                               |                     |                      | 243                     | 78                     |
| 2376-13064        | 00000/0000                   | 2-20020/0686                | 02/02/76         | 10             | 5240            | 2719S                        | 05922W        | 46.4         | 86.2         | GGGG                               |                     |                      | 243                     | 79                     |
| 2376-13071        | 00000/0000                   | 2-20020/0687                | 02/02/76         | 0              | 5240            | 2844S                        | 05946W        | 46.0         | 84.9         | GGGG                               |                     |                      | 243                     | 80                     |
| 2376-13073        | 00000/0000                   | 2-20020/0688                | 02/02/76         | 0              | 5240            | 3010S                        | 06010W        | 45.6         | 83.6         | FGGF                               |                     |                      | 243                     | 81                     |
| 2376-13080        | 00000/0000                   | 2-20020/0689                | 02/02/76         | 10             | 5240            | 3126S                        | 06035W        | 45.2         | 82.3         | FFFF                               |                     |                      | 243                     | 82                     |
| 2376-13085        | 00000/0000                   | 2-20020/0690                | 02/02/76         | 90             | 5240            | 3428S                        | 06126W        | 44.2         | 80.0         | FFFF                               |                     |                      | 243                     | 84                     |
| 2376-13091        | 00000/0000                   | 2-20020/0691                | 02/02/76         | 100            | 5240            | 3553S                        | 06153W        | 43.6         | 78.9         | FFFF                               |                     |                      | 243                     | 85                     |
| 2376-13094        | 00000/0000                   | 2-20020/0692                | 02/02/76         | 90             | 5240            | 3718S                        | 06221W        | 43.1         | 77.8         | FFFF                               |                     |                      | 243                     | 86                     |
| 2376-13100        | 00000/0000                   | 2-20020/0693                | 02/02/76         | 90             | 5240            | 3844S                        | 06250W        | 42.5         | 76.8         | FFFF                               |                     |                      | 243                     | 87                     |
| 2376-16104        | 00000/0000                   | 2-20020/0809                | 02/02/76         | 20             | 5242            | 5002N                        | 08950W        | 17.9         | 149.4        | GGGG                               |                     |                      | 28                      | 25                     |
| 2376-16131        | 00000/0000                   | 2-20020/0811                | 02/02/76         | 0              | 5242            | 2424N                        | 09826W        | 35.0         | 135.0        | GGGG                               |                     |                      | 28                      | 43                     |
| 2376-17593        | 00000/0000                   | 2-20020/0810                | 02/02/76         | 80             | 5243            | 3134N                        | 12217W        | 30.6         | 139.5        | GGGG                               |                     |                      | 46                      | 38                     |
| 2377-02375        | 00000/0000                   | 2-20020/0505                | 02/03/76         | 10             | 5248            | 2425N                        | 10639E        | 35.0         | 134.9        | F                                  |                     |                      | 136                     | 43                     |
| 2377-02395        | 00000/0000                   | 2-20020/0490                | 02/03/76         | 10             | 5248            | 1716N                        | 10449E        | 39.0         | 129.9        | FFGG                               |                     |                      | 136                     | 48                     |
| 2377-02402        | 00000/0000                   | 2-20020/0491                | 02/03/76         | 10             | 5248            | 1549N                        | 10428E        | 39.7         | 128.7        | FGGG                               |                     |                      | 136                     | 49                     |
| 2377-02404        | 00000/0000                   | 2-20020/0492                | 02/03/76         | 10             | 5248            | 1423N                        | 10407E        | 40.4         | 127.6        | FGGG                               |                     |                      | 136                     | 50                     |
| 2377-02411        | 00000/0000                   | 2-20020/0493                | 02/03/76         | 10             | 5248            | 1256N                        | 10347E        | 41.1         | 126.4        | FFFG                               |                     |                      | 136                     | 51                     |
| 2377-02413        | 00000/0000                   | 2-20020/0494                | 02/03/76         | 80             | 5248            | 1130N                        | 10326E        | 41.8         | 125.2        | FFGG                               |                     |                      | 136                     | 52                     |
| 2377-02420        | 00000/0000                   | 2-20020/0495                | 02/03/76         | 70             | 5248            | 1004N                        | 10306E        | 42.4         | 124.0        | FFGG                               |                     |                      | 136                     | 53                     |
| 2377-02422        | 00000/0000                   | 2-20020/0496                | 02/03/76         | 40             | 5248            | 0838N                        | 10246E        | 43.0         | 122.7        | FFGG                               |                     |                      | 136                     | 54                     |
| 2377-02425        | 00000/0000                   | 2-20020/0497                | 02/03/76         | 30             | 5248            | 0712N                        | 10226E        | 43.6         | 121.4        | FFFG                               |                     |                      | 136                     | 55                     |
| 2377-02434        | 00000/0000                   | 2-20020/0498                | 02/03/76         | 70             | 5248            | 0418N                        | 10145E        | 44.6         | 118.8        | FFFG                               |                     |                      | 136                     | 57                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0023

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RAW | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RAW<br>123 | QUAL<br>MSS<br>45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RAW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------|------------------------------|-------------------------------|--------------|--------------|--------------------------|----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2377-04202        | 00000/0000                   | 2-20020/0499                | 02/03/76         | 60             | 5249             | 2718N                        | 08137E                        | 33.4         | 136.8        | FGGG                     |                      |                     |                      | 154                     | 41                     |
| 2377-04204        | 00000/0000                   | 2-20020/0500                | 02/03/76         | 20             | 5249             | 2553N                        | 08114E                        | 34.2         | 135.9        | FFGG                     |                      |                     |                      | 154                     | 42                     |
| 2377-04211        | 00000/0000                   | 2-20020/0501                | 02/03/76         | 10             | 5249             | 2427N                        | 08050E                        | 35.1         | 134.9        | FFGG                     |                      |                     |                      | 154                     | 43                     |
| 2377-04220        | 00000/0000                   | 2-20020/0899                | 02/03/76         | 10             | 5249             | 2135N                        | 08005E                        | 36.7         | 133.0        | FG                       |                      |                     |                      | 154                     | 45                     |
| 2377-04222        | 00000/0000                   | 2-20020/0900                | 02/03/76         | 10             | 5249             | 2009N                        | 07944E                        | 37.5         | 132.0        | FG                       |                      |                     |                      | 154                     | 46                     |
| 2377-04231        | 00000/0000                   | 2-20020/0901                | 02/03/76         | 20             | 5249             | 1715N                        | 07900E                        | 39.0         | 129.8        | FFGG                     |                      |                     |                      | 154                     | 48                     |
| 2377-06004        | 00000/0000                   | 2-20020/0853                | 02/03/76         | 70             | 5250             | 3717N                        | 05846E                        | 27.0         | 142.6        | FGGG                     |                      |                     |                      | 172                     | 34                     |
| 2377-06010        | 00000/0000                   | 2-20020/0854                | 02/03/76         | 40             | 5250             | 3552N                        | 05818E                        | 27.9         | 141.8        | FGGG                     |                      |                     |                      | 172                     | 35                     |
| 2377-06013        | 00000/0000                   | 2-20020/0855                | 02/03/76         | 0              | 5250             | 3426N                        | 05751E                        | 28.9         | 141.0        | FGGG                     |                      |                     |                      | 172                     | 36                     |
| 2377-06022        | 00000/0000                   | 2-20020/0856                | 02/03/76         | 0              | 5250             | 3135N                        | 05700E                        | 30.7         | 139.4        | GGGG                     |                      |                     |                      | 172                     | 38                     |
| 2377-06024        | 00000/0000                   | 2-20020/0857                | 02/03/76         | 0              | 5250             | 3009N                        | 05636E                        | 31.6         | 138.5        | GGFG                     |                      |                     |                      | 172                     | 39                     |
| 2377-06031        | 00000/0000                   | 2-20020/0858                | 02/03/76         | 10             | 5250             | 2844N                        | 05612E                        | 32.5         | 137.6        | FGGG                     |                      |                     |                      | 172                     | 40                     |
| 2377-06033        | 00000/0000                   | 2-20020/0859                | 02/03/76         | 10             | 5250             | 2718N                        | 05548E                        | 33.4         | 136.8        | GGGG                     |                      |                     |                      | 172                     | 41                     |
| 2377-06040        | 00000/0000                   | 2-20020/0860                | 02/03/76         | 10             | 5250             | 2552N                        | 05525E                        | 34.2         | 135.8        | GGFF                     |                      |                     |                      | 172                     | 42                     |
| 2377-06083        | 00000/0000                   | 2-20020/0861                | 02/03/76         | 30             | 5250             | 1004N                        | 05128E                        | 42.4         | 124.0        | FGFG                     |                      |                     |                      | 172                     | 53                     |
| 2377-06090        | 00000/0000                   | 2-20020/0862                | 02/03/76         | 20             | 5250             | 0837N                        | 05108E                        | 43.0         | 122.7        | FGGG                     |                      |                     |                      | 172                     | 54                     |
| 2377-06092        | 00000/0000                   | 2-20020/0863                | 02/03/76         | 20             | 5250             | 0711N                        | 05048E                        | 43.6         | 121.4        | FGGG                     |                      |                     |                      | 172                     | 55                     |
| 2377-06322        | 00000/0000                   | 2-20020/0864                | 02/03/76         | 90             | 5250             | 7021S                        | 01727E                        | 23.1         | 74.6         | FGGG                     |                      |                     |                      | 172                     | 110                    |
| 2377-06324        | 00000/0000                   | 2-20020/0865                | 02/03/76         | 50             | 5250             | 7127S                        | 01612E                        | 22.2         | 76.2         | FGGG                     |                      |                     |                      | 172                     | 111                    |
| 2377-07385        | 00000/0000                   | 2-20020/0828                | 02/03/76         | 10             | 5251             | 5414N                        | 03959E                        | 14.9         | 151.6        | FFGF                     |                      |                     |                      | 190                     | 22                     |
| 2377-07392        | 00000/0000                   | 2-20020/0829                | 02/03/76         | 10             | 5251             | 5251N                        | 03915E                        | 15.9         | 150.8        | GGGG                     |                      |                     |                      | 190                     | 23                     |
| 2377-07394        | 00000/0000                   | 2-20020/0830                | 02/03/76         | 0              | 5251             | 5127N                        | 03833E                        | 17.0         | 150.0        | GGGG                     |                      |                     |                      | 190                     | 24                     |
| 2377-07401        | 00000/0000                   | 2-20020/0831                | 02/03/76         | 10             | 5251             | 5002N                        | 03752E                        | 18.0         | 149.3        | GGGG                     |                      |                     |                      | 190                     | 25                     |
| 2377-07403        | 00000/0000                   | 2-20020/0832                | 02/03/76         | 10             | 5251             | 4878N                        | 03713E                        | 19.0         | 148.5        | GGGG                     |                      |                     |                      | 190                     | 26                     |
| 2377-07410        | 00000/0000                   | 2-20020/0833                | 02/03/76         | 0              | 5251             | 4713N                        | 03636E                        | 20.1         | 147.8        | GGGG                     |                      |                     |                      | 190                     | 27                     |
| 2377-09332        | 00000/0000                   | 2-20020/0834                | 02/03/76         | 0              | 5252             | 1548N                        | 00112E                        | 39.8         | 123.6        | GGGG                     |                      |                     |                      | 208                     | 49                     |
| 2377-09335        | 00000/0000                   | 2-20020/0835                | 02/03/76         | 0              | 5252             | 1422N                        | 00052E                        | 40.5         | 127.5        | GGGG                     |                      |                     |                      | 208                     | 50                     |
| 2377-09341        | 00000/0000                   | 2-20020/0836                | 02/03/76         | 10             | 5252             | 1255N                        | 00031E                        | 41.2         | 126.3        | GGGG                     |                      |                     |                      | 208                     | 51                     |
| 2377-09344        | 00000/0000                   | 2-20020/0837                | 02/03/76         | 0              | 5252             | 1129N                        | 00010E                        | 41.8         | 125.1        | GGGG                     |                      |                     |                      | 208                     | 52                     |
| 2377-09350        | 00000/0000                   | 2-20020/0838                | 02/03/76         | 0              | 5252             | 1003N                        | 00009W                        | 42.4         | 123.9        | GGGG                     |                      |                     |                      | 208                     | 53                     |
| 2377-09353        | 00000/0000                   | 2-20020/0839                | 02/03/76         | 10             | 5252             | 0876N                        | 00029W                        | 43.0         | 122.6        | FGGG                     |                      |                     |                      | 208                     | 54                     |
| 2377-09355        | 00000/0000                   | 2-20020/0840                | 02/03/76         | 40             | 5252             | 0710N                        | 00050W                        | 43.6         | 121.3        | GGGG                     |                      |                     |                      | 208                     | 55                     |
| 2377-13111        | 00000/0000                   | 2-20020/0841                | 02/03/76         | 100            | 5254             | 2323S                        | 05941W                        | 47.1         | 90.0         | FFFF                     |                      |                     |                      | 244                     | 76                     |
| 2377-13114        | 00000/0000                   | 2-20020/0842                | 02/03/76         | 100            | 5254             | 2428S                        | 06003W                        | 46.9         | 88.6         | FFFF                     |                      |                     |                      | 244                     | 77                     |
| 2377-13120        | 00000/0000                   | 2-20020/0843                | 02/03/76         | 100            | 5254             | 2554S                        | 06026W                        | 46.6         | 87.2         | GGFG                     |                      |                     |                      | 244                     | 78                     |
| 2377-13123        | 00000/0000                   | 2-20020/0844                | 02/03/76         | 90             | 5254             | 2720S                        | 06050W                        | 46.2         | 85.8         | FFPP                     |                      |                     |                      | 244                     | 79                     |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NPN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REEL | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>R&W<br>NUMBER |
|-------------------|-------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2377-13125        | 00000/0000                    | 2-20020/0845                | 02/03/76         | 90             | 5254            | 2845S                        | 06114W        | 45.8         | 84.5         | PPPP                  |                     |                      | 244                     | 80                     |
| 2377-13164        | 00000/0000                    | 2-20020/0846                | 02/03/76         | 80             | 5254            | 4132S                        | 06515W        | 41.0         | 74.7         | GGGG                  |                     |                      | 244                     | 89                     |
| 2377-13170        | 00000/0000                    | 2-20020/0847                | 02/03/76         | 80             | 5254            | 4256S                        | 06546W        | 40.3         | 73.9         | GGFG                  |                     |                      | 244                     | 90                     |
| 2377-13173        | 00000/0000                    | 2-20020/0848                | 02/03/76         | 90             | 5254            | 4421S                        | 06618W        | 39.6         | 73.2         | GGFG                  |                     |                      | 244                     | 91                     |
| 2377-13175        | 00000/0000                    | 2-20020/0849                | 02/03/76         | 90             | 5254            | 4546S                        | 06651W        | 38.9         | 72.5         | GGGG                  |                     |                      | 244                     | 92                     |
| 2377-13182        | 00000/0000                    | 2-20020/0850                | 02/03/76         | 90             | 5254            | 4710S                        | 06726W        | 38.2         | 71.8         | GGGG                  |                     |                      | 244                     | 93                     |
| 2377-13184        | 00000/0000                    | 2-20020/0851                | 02/03/76         | 50             | 5254            | 4834S                        | 06803W        | 37.4         | 71.2         | GGFG                  |                     |                      | 244                     | 94                     |
| 2377-13191        | 00000/0000                    | 2-20020/0852                | 02/03/76         | 10             | 5254            | 4958S                        | 06842W        | 36.6         | 70.7         | GGFG                  |                     |                      | 244                     | 95                     |
| 2377-13193        | 00000/0000                    | 2-20020/0853                | 02/03/76         | 30             | 5254            | 5123S                        | 06922W        | 35.8         | 70.3         | FFGG                  |                     |                      | 244                     | 96                     |
| 2377-14320        | 00000/0000                    | 2-20020/0875                | 02/03/76         | 100            | 5255            | 5414N                        | 06920W        | 15.0         | 151.6        | FFFF                  |                     |                      | 11                      | 22                     |
| 2377-14322        | 00000/0000                    | 2-20020/0876                | 02/03/76         | 100            | 5255            | 5250N                        | 06405W        | 16.0         | 150.8        | GGFF                  |                     |                      | 11                      | 23                     |
| 2377-14325        | 00000/0000                    | 2-20020/0877                | 02/03/76         | 100            | 5255            | 5126N                        | 06447W        | 17.1         | 150.0        | FGFG                  |                     |                      | 11                      | 24                     |
| 2377-14331        | 00000/0000                    | 2-20020/0878                | 02/03/76         | 100            | 5255            | 5001N                        | 06528W        | 18.1         | 149.2        | FGFF                  |                     |                      | 11                      | 25                     |
| 2377-14334        | 00000/0000                    | 2-20020/0879                | 02/03/76         | 100            | 5255            | 4827N                        | 06606W        | 19.1         | 148.5        | FGFF                  |                     |                      | 11                      | 26                     |
| 2377-14363        | 00000/0000                    | 2-20020/0880                | 02/03/76         | 90             | 5255            | 3841N                        | 06954W        | 26.1         | 143.3        | GGFG                  |                     |                      | 11                      | 33                     |
| 2377-14370        | 00000/0000                    | 2-20020/0881                | 02/03/76         | 80             | 5255            | 3716N                        | 07022W        | 27.1         | 142.5        | GGFF                  |                     |                      | 11                      | 34                     |
| 2377-14372        | 00000/0000                    | 2-20020/0882                | 02/03/76         | 80             | 5255            | 3550N                        | 07049W        | 28.0         | 141.7        | GFG                   |                     |                      | 11                      | 35                     |
| 2377-14375        | 00000/0000                    | 2-20020/0883                | 02/03/76         | 90             | 5255            | 3425N                        | 07115W        | 29.0         | 140.9        | GGFG                  |                     |                      | 11                      | 36                     |
| 2377-16163        | 00000/0000                    | 2-20020/0884                | 02/03/76         | 70             | 5256            | 5002N                        | 09114W        | 18.1         | 149.2        | FFGG                  |                     |                      | 29                      | 25                     |
| 2377-16240        | 00000/0000                    | 2-20020/0941                | 02/03/76         | 0              | 5256            | 2425N                        | 09952W        | 35.2         | 134.8        | GGGG                  |                     |                      | 29                      | 43                     |
| 2377-17592        | 00000/0000                    | 2-20020/0942                | 02/03/76         | 70             | 5257            | 5126N                        | 11623W        | 17.1         | 150.0        | GGGG                  |                     |                      | 47                      | 24                     |
| 2378-02433        | 00000/0000                    | 2-20020/0886                | 02/04/76         | 50             | 5262            | 2422N                        | 10412E        | 36.3         | 134.6        | FFGG                  |                     |                      | 137                     | 43                     |
| 2378-02440        | 00000/0000                    | 2-20020/0887                | 02/04/76         | 60             | 5262            | 2257N                        | 10449E        | 36.1         | 133.7        | FFGG                  |                     |                      | 137                     | 44                     |
| 2378-02442        | 00000/0000                    | 2-20020/0888                | 02/04/76         | 90             | 5262            | 2131N                        | 10427E        | 36.9         | 132.7        | FFFG                  |                     |                      | 137                     | 45                     |
| 2378-02445        | 00000/0000                    | 2-20020/0889                | 02/04/76         | 60             | 5262            | 2004N                        | 10405E        | 37.7         | 131.6        | FFGG                  |                     |                      | 137                     | 46                     |
| 2378-02451        | 00000/0000                    | 2-20020/0890                | 02/04/76         | 40             | 5262            | 1838N                        | 10344E        | 38.4         | 130.6        | FFGG                  |                     |                      | 137                     | 47                     |
| 2378-02454        | 00000/0000                    | 2-20020/0891                | 02/04/76         | 10             | 5262            | 1711N                        | 10323E        | 39.2         | 129.5        | FFGG                  |                     |                      | 137                     | 48                     |
| 2378-02463        | 00000/0000                    | 2-20020/0892                | 02/04/76         | 40             | 5262            | 1419N                        | 10241E        | 40.6         | 127.2        | FFGG                  |                     |                      | 137                     | 50                     |
| 2378-02465        | 00000/0000                    | 2-20020/0893                | 02/04/76         | 50             | 5262            | 1252N                        | 10221E        | 41.3         | 126.1        | FFFF                  |                     |                      | 137                     | 51                     |
| 2378-02472        | 00000/0000                    | 2-20020/0894                | 02/04/76         | 60             | 5262            | 1126N                        | 10200E        | 41.5         | 124.9        | FFFF                  |                     |                      | 137                     | 52                     |
| 2378-02474        | 00000/0000                    | 2-20020/0895                | 02/04/76         | 70             | 5262            | 1000N                        | 10140E        | 42.5         | 123.6        | FFGG                  |                     |                      | 137                     | 53                     |
| 2378-02481        | 00000/0000                    | 2-20020/0896                | 02/04/76         | 70             | 5262            | 0835N                        | 10119E        | 43.1         | 122.3        | FFGG                  |                     |                      | 137                     | 54                     |
| 2378-02483        | 00000/0000                    | 2-20020/0897                | 02/04/76         | 70             | 5262            | 0708N                        | 10059E        | 43.7         | 121.0        | FFGG                  |                     |                      | 137                     | 55                     |
| 2378-02490        | 00000/0000                    | 2-20020/0898                | 02/04/76         | 80             | 5262            | 0542N                        | 10039E        | 44.2         | 119.7        | FFGG                  |                     |                      | 137                     | 56                     |
| 2378-04253        | 00000/0000                    | 2-20020/0902                | 02/04/76         | 90             | 5263            | 2840N                        | 08033E        | 32.7         | 137.4        | FFFF                  |                     |                      | 155                     | 40                     |
| 2378-04260        | 00000/0000                    | 2-20020/0903                | 02/04/76         | 80             | 5263            | 2715N                        | 08010E        | 33.6         | 136.5        | FFFG                  |                     |                      | 155                     | 41                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>PRINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|---------------------------------|------------------|------------------|----------------|------------------------|---------------------------------------|----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2378-04265        | 00000/0000                      | 2-20020/0904     | 02/04/76         | 100            | 5263                   | 2423N                                 | 07923E                                 | 35.3         | 134.6        | FFFF                               |                     |                      | 155                     | 43                     |
| 2378-04271        | 00000/0000                      | 2-20020/0905     | 02/04/76         | 70             | 5263                   | 2258N                                 | 07900E                                 | 36.1         | 133.6        | FFFF                               |                     |                      | 155                     | 44                     |
| 2378-04283        | 00000/0000                      | 2-20020/0906     | 02/04/76         | 0              | 5263                   | 1838N                                 | 07755E                                 | 38.5         | 130.6        | FGFG                               |                     |                      | 155                     | 47                     |
| 2378-04285        | 00000/0000                      | 2-20020/0907     | 02/04/76         | 0              | 5263                   | 1712N                                 | 07734E                                 | 39.2         | 129.5        | GGGG                               |                     |                      | 155                     | 48                     |
| 2378-04292        | 00000/0000                      | 2-20020/0908     | 02/04/76         | 0              | 5263                   | 1546N                                 | 07714E                                 | 39.9         | 128.4        | GGGG                               |                     |                      | 155                     | 49                     |
| 2378-04294        | 00000/0000                      | 2-20020/0909     | 02/04/76         | 0              | 5263                   | 1421N                                 | 07653E                                 | 40.6         | 127.2        | GGGG                               |                     |                      | 155                     | 50                     |
| 2378-04301        | 00000/0000                      | 2-20020/0910     | 02/04/76         | 10             | 5263                   | 1254N                                 | 07631E                                 | 41.3         | 126.0        | GGGG                               |                     |                      | 155                     | 51                     |
| 2378-04303        | 00000/0000                      | 2-20020/0911     | 02/04/76         | 30             | 5263                   | 1127N                                 | 07611E                                 | 41.9         | 124.8        | GGGF                               |                     |                      | 155                     | 52                     |
| 2378-06085        | 00000/0000                      | 2-20020/0502     | 02/04/76         | 10             | 5264                   | 2841N                                 | 05445E                                 | 32.7         | 137.4        | GFGG                               |                     |                      | 173                     | 40                     |
| 2378-06092        | 00000/0000                      | 2-20020/0503     | 02/04/76         | 10             | 5264                   | 2715N                                 | 05421E                                 | 33.6         | 136.5        | GFGG                               |                     |                      | 173                     | 41                     |
| 2378-06133        | 00000/0000                      | 2-20020/0504     | 02/04/76         | 20             | 5264                   | 1254N                                 | 05042E                                 | 41.3         | 126.0        | FFGG                               |                     |                      | 173                     | 51                     |
| 2378-07435        | 00000/0000                      | 2-20020/0506     | 02/04/76         | 0              | 5265                   | 5658N                                 | 04010E                                 | 13.1         | 153.1        | GGFF                               |                     |                      | 191                     | 20                     |
| 2378-07441        | 00000/0000                      | 2-20020/0507     | 02/04/76         | 0              | 5265                   | 5535N                                 | 03920E                                 | 14.2         | 152.3        | GGFF                               |                     |                      | 191                     | 21                     |
| 2378-07444        | 00000/0000                      | 2-20020/0508     | 02/04/76         | 10             | 5265                   | 5411N                                 | 03832E                                 | 15.2         | 151.5        | GGGF                               |                     |                      | 191                     | 22                     |
| 2378-07450        | 00000/0000                      | 2-20020/0509     | 02/04/76         | 40             | 5265                   | 5247N                                 | 03746E                                 | 16.2         | 150.7        | GGFG                               |                     |                      | 191                     | 23                     |
| 2378-07453        | 00000/0000                      | 2-20020/0982     | 02/04/76         | 80             | 5265                   | 5124N                                 | 03704E                                 | 17.3         | 149.9        | GGGG                               |                     |                      | 191                     | 24                     |
| 2378-07455        | 00000/0000                      | 2-20020/0983     | 02/04/76         | 0              | 5265                   | 5000N                                 | 03624E                                 | 18.3         | 149.1        | GGGG                               |                     |                      | 191                     | 25                     |
| 2378-07462        | 00000/0000                      | 2-20020/0984     | 02/04/76         | 0              | 5265                   | 4835N                                 | 03546E                                 | 19.3         | 148.4        | GGGF                               |                     |                      | 191                     | 26                     |
| 2378-07464        | 00000/0000                      | 2-20020/0985     | 02/04/76         | 10             | 5265                   | 4710N                                 | 03510E                                 | 20.3         | 147.6        | GGGG                               |                     |                      | 191                     | 27                     |
| 2378-07471        | 00000/0000                      | 2-20020/0986     | 02/04/76         | 70             | 5265                   | 4546N                                 | 03436E                                 | 21.4         | 146.9        | GGGG                               |                     |                      | 191                     | 28                     |
| 2378-07473        | 00000/0000                      | 2-20020/0987     | 02/04/76         | 30             | 5265                   | 4420N                                 | 03403E                                 | 22.4         | 146.1        | FFGF                               |                     |                      | 191                     | 29                     |
| 2378-07514        | 00000/0000                      | 2-20020/0988     | 02/04/76         | 10             | 5265                   | 3005N                                 | 02920E                                 | 31.9         | 138.2        | GGFF                               |                     |                      | 191                     | 39                     |
| 2378-07573        | 00000/0000                      | 2-20020/0943     | 02/04/76         | 10             | 5265                   | 1000N                                 | 02413E                                 | 42.6         | 123.5        | GGGG                               |                     |                      | 191                     | 53                     |
| 2378-07580        | 00000/0000                      | 2-20020/0944     | 02/04/76         | 20             | 5265                   | 0834N                                 | 02353E                                 | 43.2         | 122.2        | GGGG                               |                     |                      | 191                     | 54                     |
| 2378-09391        | 00000/0000                      | 2-20020/0945     | 02/04/76         | 0              | 5266                   | 1547N                                 | 00012W                                 | 39.9         | 128.3        | GGGG                               |                     |                      | 209                     | 49                     |
| 2378-09393        | 00000/0000                      | 2-20020/0946     | 02/04/76         | 0              | 5266                   | 1421N                                 | 00033W                                 | 40.6         | 127.2        | GGGG                               |                     |                      | 209                     | 50                     |
| 2378-09400        | 00000/0000                      | 2-20020/0947     | 02/04/76         | 0              | 5266                   | 1255N                                 | 00054W                                 | 41.3         | 126.0        | GGGG                               |                     |                      | 209                     | 51                     |
| 2378-09402        | 00000/0000                      | 2-20020/0948     | 02/04/76         | 0              | 5266                   | 1129N                                 | 00115W                                 | 41.9         | 124.8        | GGFF                               |                     |                      | 209                     | 52                     |
| 2378-09405        | 00000/0000                      | 2-20020/0949     | 02/04/76         | 0              | 5266                   | 1003N                                 | 00136W                                 | 42.5         | 123.5        | GGGG                               |                     |                      | 209                     | 53                     |
| 2378-11095        | 00000/0000                      | 2-20020/0950     | 02/04/76         | 70             | 5267                   | 5825N                                 | 01028W                                 | 12.1         | 154.1        | GGGG                               |                     |                      | 227                     | 19                     |
| 2378-11102        | 00000/0000                      | 2-20020/0951     | 02/04/76         | 60             | 5267                   | 5702N                                 | 01123W                                 | 13.1         | 153.2        | GGGG                               |                     |                      | 227                     | 20                     |
| 2378-11104        | 00000/0000                      | 2-20020/0952     | 02/04/76         | 80             | 5267                   | 5538N                                 | 01214W                                 | 14.2         | 152.3        | GGGG                               |                     |                      | 227                     | 21                     |
| 2378-11111        | 00000/0000                      | 2-20020/0953     | 02/04/76         | 30             | 5267                   | 5415N                                 | 01303W                                 | 15.2         | 151.5        | GGGG                               |                     |                      | 227                     | 22                     |
| 2378-11113        | 00000/0000                      | 2-20020/0954     | 02/04/76         | 100            | 5267                   | 5251N                                 | 01348W                                 | 16.2         | 150.7        | GGGG                               |                     |                      | 227                     | 23                     |
| 2378-13183        | 00000/0000                      | 2-20020/0955     | 02/04/76         | 90             | 5268                   | 2845S                                 | 06239W                                 | 45.7         | 84.2         | GGGG                               |                     |                      | 245                     | 80                     |
| 2378-13190        | 00000/0000                      | 2-20020/0956     | 02/04/76         | 80             | 5268                   | 3009S                                 | 06303W                                 | 45.3         | 82.9         | GGGG                               |                     |                      | 245                     | 81                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM POSITION IN ROLL RBV | ROLL NR./ MSS | DATE ACQUIRED | CLOUD COVER | SUNBIT NUMBER | PRINCIPAL OF IMAGE LAT | PRINT LANG | SUN FLEV. | SUN AZIM. | IMAGE-QUAL RBV MSS | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME ROW NUMBER |
|----------------|--------------------------------|---------------|---------------|-------------|---------------|------------------------|------------|-----------|-----------|--------------------|---------------|----------------|-------------------|------------------|
| 2378-13192     | 00000/0000                     | 2-20020/0957  | 02/04/76      | 100         | 5268          | 3135S                  | 06327W     | 44.8      | 81.7      | FGGG               |               |                | 245               | 82               |
| 2378-13195     | 00000/0000                     | 2-20020/0958  | 02/04/76      | 100         | 5268          | 3302S                  | 06353W     | 44.3      | 80.5      | GGGG               |               |                | 245               | 83               |
| 2378-13204     | 00000/0000                     | 2-20020/0959  | 02/04/76      | 10          | 5268          | 3552S                  | 06445W     | 43.3      | 78.3      | GFGG               |               |                | 245               | 85               |
| 2378-13210     | 00000/0000                     | 2-20020/0960  | 02/04/76      | 20          | 5268          | 3717S                  | 06512W     | 42.7      | 77.2      | FFFF               |               |                | 245               | 86               |
| 2378-13213     | 00000/0000                     | 2-20020/0961  | 02/04/76      | 40          | 5268          | 3842S                  | 06540W     | 42.1      | 76.3      | FFFF               |               |                | 245               | 87               |
| 2378-13215     | 00000/0000                     | 2-20020/0962  | 02/04/76      | 60          | 5268          | 4007S                  | 06610W     | 41.5      | 75.3      | FPFF               |               |                | 245               | 88               |
| 2378-13222     | 00000/0000                     | 2-20020/0963  | 02/04/76      | 80          | 5268          | 4132S                  | 06639W     | 40.8      | 74.5      | GGF                |               |                | 245               | 89               |
| 2378-13224     | 00000/0000                     | 2-20020/0964  | 02/04/76      | 80          | 5268          | 4256S                  | 06710W     | 40.1      | 73.7      | GGG                |               |                | 245               | 90               |
| 2378-13231     | 00000/0000                     | 2-20020/0965  | 02/04/76      | 90          | 5268          | 4420S                  | 06743W     | 39.4      | 72.9      | FFP                |               |                | 245               | 91               |
| 2378-13233     | 00000/0000                     | 2-20020/0966  | 02/04/76      | 90          | 5268          | 4545S                  | 06816W     | 38.7      | 72.2      | FFG                |               |                | 245               | 92               |
| 2378-14385     | 00000/0000                     | 2-20020/0866  | 02/04/76      | 10          | 5269          | 5002N                  | 06653W     | 18.4      | 149.1     | GGGG               |               |                | 12                | 25               |
| 2378-14392     | 00000/0000                     | 2-20020/0867  | 02/04/76      | 50          | 5269          | 4837N                  | 06731W     | 19.4      | 148.3     | GGGG               |               |                | 12                | 26               |
| 2378-14433     | 00000/0000                     | 2-20020/0868  | 02/04/76      | 10          | 5269          | 3426N                  | 07240W     | 29.2      | 140.7     | GGGG               |               |                | 12                | 36               |
| 2378-14435     | 00000/0000                     | 2-20020/0869  | 02/04/76      | 10          | 5269          | 3300N                  | 07306W     | 30.1      | 139.9     | GGGG               |               |                | 12                | 37               |
| 2378-14442     | 00000/0000                     | 2-20020/0870  | 02/04/76      | 30          | 5269          | 3134N                  | 07331W     | 31.0      | 139.0     | GGGG               |               |                | 12                | 38               |
| 2378-16221     | 00000/0000                     | 2-20020/1000  | 02/04/76      | 0           | 5270          | 5003N                  | 09241W     | 18.4      | 149.1     | GGFG               |               |                | 30                | 25               |
| 2379-01101     | 00000/0000                     | 2-20020/0967  | 02/05/76      | 60          | 5275          | 1002N                  | 12602E     | 42.6      | 123.3     | GFFF               |               |                | 120               | 53               |
| 2379-01104     | 00000/0000                     | 2-20020/0968  | 02/05/76      | 40          | 5275          | 0835N                  | 12541E     | 43.2      | 122.0     | GFGG               |               |                | 120               | 54               |
| 2379-01110     | 00000/0000                     | 2-20020/0969  | 02/05/76      | 30          | 5275          | 0709N                  | 12521E     | 43.8      | 120.7     | GFFF               |               |                | 120               | 55               |
| 2379-02485     | 00000/0000                     | 2-20020/0970  | 02/05/76      | 70          | 5276          | 2549N                  | 10409E     | 34.6      | 135.3     | GGGG               |               |                | 138               | 42               |
| 2379-02494     | 00000/0000                     | 2-20020/0971  | 02/05/76      | 70          | 5276          | 2257N                  | 10324E     | 36.3      | 133.4     | GGG                |               |                | 138               | 44               |
| 2379-02501     | 00000/0000                     | 2-20020/0972  | 02/05/76      | 40          | 5276          | 2131N                  | 10302E     | 37.1      | 132.4     | GGGF               |               |                | 138               | 45               |
| 2379-02503     | 00000/0000                     | 2-20020/0973  | 02/05/76      | 40          | 5276          | 2005N                  | 10240E     | 37.9      | 131.3     | FGGG               |               |                | 138               | 46               |
| 2379-02510     | 00000/0000                     | 2-20020/0974  | 02/05/76      | 20          | 5276          | 1840N                  | 10219E     | 38.6      | 130.3     | GGGF               |               |                | 138               | 47               |
| 2379-02512     | 00000/0000                     | 2-20020/0975  | 02/05/76      | 40          | 5276          | 1713N                  | 10157E     | 39.4      | 129.2     | GGG                |               |                | 138               | 48               |
| 2379-02515     | 00000/0000                     | 2-20020/0976  | 02/05/76      | 30          | 5276          | 1546N                  | 10136E     | 40.1      | 128.1     | GGGG               |               |                | 138               | 49               |
| 2379-02521     | 00000/0000                     | 2-20020/0977  | 02/05/76      | 50          | 5276          | 1420N                  | 10116E     | 40.8      | 126.9     | GGG                |               |                | 138               | 50               |
| 2379-02524     | 00000/0000                     | 2-20020/0978  | 02/05/76      | 30          | 5276          | 1254N                  | 10056E     | 41.4      | 125.7     | FFGG               |               |                | 138               | 51               |
| 2379-02530     | 00000/0000                     | 2-20020/0979  | 02/05/76      | 20          | 5276          | 1108N                  | 10035E     | 42.0      | 124.5     | GFGG               |               |                | 138               | 52               |
| 2379-02533     | 00000/0000                     | 2-20020/0980  | 02/05/76      | 30          | 5276          | 1001N                  | 10015E     | 42.7      | 123.2     | GFFF               |               |                | 138               | 53               |
| 2379-02535     | 00000/0000                     | 2-20020/0981  | 02/05/76      | 50          | 5276          | 0833N                  | 09954E     | 43.2      | 122.0     | GGFG               |               |                | 138               | 54               |
| 2379-04312     | 00000/0000                     | 2-20020/0989  | 02/05/76      | 10          | 5277          | 2841N                  | 07908E     | 32.9      | 137.1     | GGG                |               |                | 156               | 40               |
| 2379-04314     | 00000/0000                     | 2-20020/0990  | 02/05/76      | 0           | 5277          | 2715N                  | 07844E     | 33.8      | 136.2     | GGG                |               |                | 156               | 41               |
| 2379-04321     | 00000/0000                     | 2-20020/0999  | 02/05/76      | 10          | 5277          | 2549N                  | 07821E     | 34.7      | 135.3     | G                  |               |                | 156               | 42               |
| 2379-04323     | 00000/0000                     | 2-20020/0991  | 02/05/76      | 10          | 5277          | 2423N                  | 07758E     | 35.5      | 134.3     | GGGG               |               |                | 156               | 43               |
| 2379-04330     | 00000/0000                     | 2-20020/0992  | 02/05/76      | 0           | 5277          | 2256N                  | 07735E     | 36.3      | 133.4     | GGGG               |               |                | 156               | 44               |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 22, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>REV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2379-04332        | 00000/0000                   | 2-20020/0993                | 02/05/76         | 0              | 5277                   | 2130N                        | 07713E        | 37.1         | 132.4        | GGGF                  |                     |                      | 156                     | 45                     |
| 2379-04335        | 00000/0000                   | 2-20020/0994                | 02/05/76         | 0              | 5277                   | 2004N                        | 07652E        | 37.9         | 131.3        | GGGG                  |                     |                      | 156                     | 46                     |
| 2379-04341        | 00000/0000                   | 2-20020/0995                | 02/05/76         | 0              | 5277                   | 1837N                        | 07630E        | 38.6         | 130.3        | FFGG                  |                     |                      | 156                     | 47                     |
| 2379-04344        | 00000/0000                   | 2-20020/0996                | 02/05/76         | 0              | 5277                   | 1711N                        | 07609E        | 39.4         | 129.2        | GGGG                  |                     |                      | 156                     | 48                     |
| 2379-04350        | 00000/0000                   | 2-20020/0997                | 02/05/76         | 0              | 5277                   | 1545N                        | 07547E        | 40.1         | 128.0        | FFGG                  |                     |                      | 156                     | 49                     |
| 2379-04353        | 00000/0000                   | 2-20020/0998                | 02/05/76         | 10             | 5277                   | 1419N                        | 07526E        | 40.8         | 126.9        | GGGG                  |                     |                      | 156                     | 50                     |
| 2379-06123        | 00000/0000                   | 2-20020/0510                | 02/05/76         | 90             | 5278                   | 3549N                        | 05526E        | 28.4         | 141.4        | GGFF                  |                     |                      | 174                     | 35                     |
| 2379-06125        | 00000/0000                   | 2-20020/0511                | 02/05/76         | 80             | 5278                   | 3424N                        | 05459E        | 29.4         | 140.5        | GGFF                  |                     |                      | 174                     | 36                     |
| 2379-06132        | 00000/0000                   | 2-20020/0512                | 02/05/76         | 60             | 5278                   | 3258N                        | 05433E        | 30.3         | 139.7        | GGFF                  |                     |                      | 174                     | 37                     |
| 2379-06134        | 00000/0000                   | 2-20020/0513                | 02/05/76         | 50             | 5278                   | 3132N                        | 05407E        | 31.2         | 138.9        | GGGF                  |                     |                      | 174                     | 38                     |
| 2379-06141        | 00000/0000                   | 2-20020/0514                | 02/05/76         | 70             | 5278                   | 3006N                        | 05342E        | 32.1         | 138.0        | GGGG                  |                     |                      | 174                     | 39                     |
| 2379-06143        | 00000/0000                   | 2-20020/0515                | 02/05/76         | 70             | 5278                   | 2841N                        | 05318E        | 33.0         | 137.1        | GGGG                  |                     |                      | 174                     | 40                     |
| 2379-06150        | 00000/0000                   | 2-20020/0516                | 02/05/76         | 30             | 5278                   | 2714N                        | 05254E        | 33.8         | 136.2        | FFFF                  |                     |                      | 174                     | 41                     |
| 2379-07500        | 00000/0000                   | 2-20020/1032                | 02/05/76         | 10             | 5279                   | 5522N                        | 03750E        | 14.5         | 152.1        | GGGG                  |                     |                      | 192                     | 21                     |
| 2379-07502        | 00000/0000                   | 2-20020/1033                | 02/05/76         | 10             | 5279                   | 5408N                        | 03704E        | 15.5         | 151.3        | GGGG                  |                     |                      | 192                     | 22                     |
| 2379-07520        | 00000/0000                   | 2-20020/1034                | 02/05/76         | 50             | 5279                   | 4832N                        | 03623E        | 19.6         | 148.2        | GGGG                  |                     |                      | 192                     | 23                     |
| 2379-07523        | 00000/0000                   | 2-20020/1035                | 02/05/76         | 70             | 5279                   | 4707N                        | 03546E        | 20.7         | 147.4        | GGGG                  |                     |                      | 192                     | 24                     |
| 2379-07573        | 00000/0000                   | 2-20020/1036                | 02/05/76         | 40             | 5279                   | 3013N                        | 02753E        | 32.1         | 138.0        | GGGG                  |                     |                      | 192                     | 25                     |
| 2379-07582        | 00000/0000                   | 2-20020/1037                | 02/05/76         | 40             | 5279                   | 2712N                        | 02706E        | 33.9         | 136.2        | GGGG                  |                     |                      | 192                     | 26                     |
| 2379-07584        | 00000/0000                   | 2-20020/1038                | 02/05/76         | 50             | 5279                   | 2546N                        | 02643E        | 34.7         | 135.2        | GGGG                  |                     |                      | 192                     | 27                     |
| 2379-07591        | 00000/0000                   | 2-20020/1039                | 02/05/76         | 50             | 5279                   | 2419N                        | 02620E        | 35.6         | 134.3        | GGGG                  |                     |                      | 192                     | 28                     |
| 2379-07593        | 00000/0000                   | 2-20020/1040                | 02/05/76         | 70             | 5279                   | 2253N                        | 02558E        | 36.4         | 133.3        | GGGF                  |                     |                      | 192                     | 29                     |
| 2379-08025        | 00000/0000                   | 2-20020/1041                | 02/05/76         | 0              | 5279                   | 1124N                        | 02308E        | 42.1         | 124.4        | GGGG                  |                     |                      | 192                     | 30                     |
| 2379-08032        | 00000/0000                   | 2-20020/1042                | 02/05/76         | 10             | 5279                   | 0957N                        | 02248E        | 42.7         | 123.1        | GGGG                  |                     |                      | 192                     | 31                     |
| 2379-09443        | 00000/0000                   | 2-20021/0064                | 02/05/76         | 40             | 5280                   | 1747N                        | 00120W        | 39.4         | 129.0        | GGGG                  |                     |                      | 210                     | 48                     |
| 2379-09445        | 00000/0000                   | 2-20021/0065                | 02/05/76         | 20             | 5280                   | 1542N                        | 00142W        | 40.1         | 127.9        | GGGG                  |                     |                      | 210                     | 49                     |
| 2379-09452        | 00000/0000                   | 2-20021/0066                | 02/05/76         | 0              | 5280                   | 1416N                        | 00203W        | 40.8         | 126.7        | GGGF                  |                     |                      | 210                     | 50                     |
| 2379-09454        | 00000/0000                   | 2-20021/0067                | 02/05/76         | 0              | 5280                   | 1249N                        | 00224W        | 41.5         | 125.5        | GGGG                  |                     |                      | 210                     | 51                     |
| 2379-09461        | 00000/0000                   | 2-20021/0068                | 02/05/76         | 0              | 5280                   | 1122N                        | 00245W        | 42.1         | 124.3        | GGGG                  |                     |                      | 210                     | 52                     |
| 2379-09463        | 00000/0000                   | 2-20021/0069                | 02/05/76         | 10             | 5280                   | 0956N                        | 00304W        | 42.7         | 123.1        | GGGG                  |                     |                      | 210                     | 53                     |
| 2379-09470        | 00000/0000                   | 2-20021/0070                | 02/05/76         | 30             | 5280                   | 0830N                        | 00324W        | 43.3         | 121.8        | GGGG                  |                     |                      | 210                     | 54                     |
| 2379-13251        | 00000/0000                   | 2-20021/0071                | 02/05/76         | 30             | 5282                   | 3138S                        | 06455W        | 44.6         | 81.3         | FFGF                  |                     |                      | 246                     | 82                     |
| 2379-13253        | 00000/0000                   | 2-20021/0072                | 02/05/76         | 10             | 5282                   | 3355S                        | 06520W        | 44.1         | 80.1         | GGGG                  |                     |                      | 246                     | 83                     |
| 2379-13262        | 00000/0000                   | 2-20021/0073                | 02/05/76         | 10             | 5282                   | 3555S                        | 06613W        | 43.1         | 77.9         | FFFF                  |                     |                      | 246                     | 84                     |
| 2379-13265        | 00000/0000                   | 2-20021/0074                | 02/05/76         | 10             | 5282                   | 3719S                        | 06641W        | 42.5         | 76.9         | GGGF                  |                     |                      | 246                     | 85                     |
| 2379-13271        | 00000/0000                   | 2-20021/0075                | 02/05/76         | 10             | 5282                   | 3845S                        | 06708W        | 41.9         | 75.9         | GGGF                  |                     |                      | 246                     | 86                     |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 29, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR N9N+US  
FROM 01/22/76 TO 01/22/77

PAGE 002R

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|--------------------------------------|------------------|----------------|-----------------|--------------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2379-13274        | 00000/0000                   | 2-20021/0076                         | 02/05/76         | 10             | 5282            | 4010S                                      | 06737W       | 41.2         | 75.0                               | FGGF                |                      | 246                     | 88                     |
| 2379-13280        | 00000/0000                   | 2-20021/0077                         | 02/05/76         | 10             | 5282            | 4135S                                      | 06807W       | 40.6         | 74.2                               | GGGF                |                      | 246                     | 89                     |
| 2379-13283        | 00000/0000                   | 2-20021/0078                         | 02/05/76         | 10             | 5282            | 4259S                                      | 06838W       | 39.9         | 73.4                               | GGGG                |                      | 246                     | 90                     |
| 2379-13285        | 00000/0000                   | 2-20021/0079                         | 02/05/76         | 0              | 5282            | 4424S                                      | 06910W       | 39.1         | 72.6                               | GGGG                |                      | 246                     | 91                     |
| 2379-13292        | 00000/0000                   | 2-20021/0080                         | 02/05/76         | 10             | 5282            | 4549S                                      | 06944W       | 38.4         | 72.0                               | GGGG                |                      | 246                     | 92                     |
| 2379-14441        | 00000/0000                   | 2-20020/1001                         | 02/05/76         | 20             | 5283            | 5122N                                      | 06740W       | 17.6         | 149.7                              | GGFF                |                      | 13                      | 24                     |
| 2379-14444        | 00000/0000                   | 2-20020/1002                         | 02/05/76         | 10             | 5283            | 4959N                                      | 06820W       | 18.7         | 148.9                              | GGFF                |                      | 13                      | 25                     |
| 2379-14450        | 00000/0000                   | 2-20020/1003                         | 02/05/76         | 30             | 5283            | 4835N                                      | 06857W       | 19.7         | 148.2                              | GGFF                |                      | 13                      | 26                     |
| 2379-14503        | 00000/0000                   | 2-20020/1004                         | 02/05/76         | 10             | 5283            | 3005N                                      | 07523W       | 32.2         | 137.9                              | GPFF                |                      | 13                      | 39                     |
| 2379-14505        | 00000/0000                   | 2-20020/1005                         | 02/05/76         | 20             | 5283            | 2839N                                      | 07547W       | 33.0         | 137.0                              | GPFF                |                      | 13                      | 40                     |
| 2379-14512        | 00000/0000                   | 2-20020/1006                         | 02/05/76         | 10             | 5283            | 2713N                                      | 07611W       | 33.9         | 136.1                              | GPFF                |                      | 13                      | 41                     |
| 2379-18105        | 00000/0000                   | 2-20020/1007                         | 02/05/76         | 40             | 5285            | 5122N                                      | 11917W       | 17.7         | 149.7                              | GGGG                |                      | 49                      | 24                     |
| 2380-01141        | 00000/0000                   | 2-20021/0081                         | 02/06/76         | 60             | 5289            | 1543N                                      | 12558E       | 40.2         | 127.7                              | FFGG                |                      | 121                     | 49                     |
| 2380-01144        | 00000/0000                   | 2-20021/0082                         | 02/06/76         | 60             | 5289            | 1417N                                      | 12537E       | 40.9         | 126.5                              | GGGG                |                      | 121                     | 50                     |
| 2380-01150        | 00000/0000                   | 2-20020/1011                         | 02/06/76         | 50             | 5289            | 1251N                                      | 12516E       | 41.6         | 125.3                              | FPF                 |                      | 121                     | 51                     |
| 2380-01153        | 00000/0000                   | 2-20020/1012                         | 02/06/76         | 50             | 5289            | 1125N                                      | 12456E       | 42.2         | 124.1                              | GGF                 |                      | 121                     | 52                     |
| 2380-01155        | 00000/0000                   | 2-20020/1013                         | 02/06/76         | 50             | 5289            | 0958N                                      | 12435E       | 42.8         | 122.8                              | FGGF                |                      | 121                     | 53                     |
| 2380-01162        | 00000/0000                   | 2-20020/1014                         | 02/06/76         | 60             | 5289            | 0832N                                      | 12415E       | 43.4         | 121.5                              | FGGG                |                      | 121                     | 54                     |
| 2380-01164        | 00000/0000                   | 2-20020/1015                         | 02/06/76         | 30             | 5289            | 0706N                                      | 12354E       | 43.9         | 120.2                              | FGGF                |                      | 121                     | 55                     |
| 2380-02532        | 00000/0000                   | 2-20020/1016                         | 02/06/76         | 100            | 5290            | 3003N                                      | 10353E       | 32.3         | 137.8                              | FGGG                |                      | 139                     | 39                     |
| 2380-02533        | 00000/0000                   | 2-20020/1017                         | 02/06/76         | 90             | 5290            | 2837N                                      | 10329E       | 33.2         | 136.9                              | FGGG                |                      | 139                     | 40                     |
| 2380-02541        | 00000/0000                   | 2-20020/1018                         | 02/06/76         | 40             | 5290            | 2711N                                      | 10305E       | 34.0         | 136.0                              | GGGG                |                      | 139                     | 41                     |
| 2380-02544        | 00000/0000                   | 2-20020/1019                         | 02/06/76         | 20             | 5290            | 2545N                                      | 10242E       | 34.9         | 135.0                              | GGGG                |                      | 139                     | 42                     |
| 2380-02550        | 00000/0000                   | 2-20020/1020                         | 02/06/76         | 40             | 5290            | 2420N                                      | 10219E       | 35.7         | 134.1                              | FGGG                |                      | 139                     | 43                     |
| 2380-02553        | 00000/0000                   | 2-20020/1021                         | 02/06/76         | 50             | 5290            | 2254N                                      | 10157E       | 36.5         | 133.1                              | GGGG                |                      | 139                     | 44                     |
| 2380-02555        | 00000/0000                   | 2-20020/1022                         | 02/06/76         | 70             | 5290            | 2128N                                      | 10135E       | 37.3         | 132.0                              | FGGG                |                      | 139                     | 45                     |
| 2380-02564        | 00000/0000                   | 2-20020/1023                         | 02/06/76         | 70             | 5290            | 1936N                                      | 10051E       | 38.8         | 129.9                              | GGGG                |                      | 139                     | 47                     |
| 2380-02571        | 00000/0000                   | 2-20020/1024                         | 02/06/76         | 60             | 5290            | 1703N                                      | 10030E       | 39.6         | 128.8                              | GGGG                |                      | 139                     | 48                     |
| 2380-02573        | 00000/0000                   | 2-20020/1025                         | 02/06/76         | 90             | 5290            | 1542N                                      | 10010E       | 40.3         | 127.7                              | GGGG                |                      | 139                     | 49                     |
| 2380-02580        | 00000/0000                   | 2-20020/1026                         | 02/06/76         | 70             | 5290            | 1417N                                      | 09949E       | 40.9         | 126.5                              | FGGG                |                      | 139                     | 50                     |
| 2380-02582        | 00000/0000                   | 2-20020/1027                         | 02/06/76         | 30             | 5290            | 1251N                                      | 09928E       | 41.6         | 125.3                              | FGGG                |                      | 139                     | 51                     |
| 2380-02585        | 00000/0000                   | 2-20020/1028                         | 02/06/76         | 30             | 5290            | 1124N                                      | 09908E       | 42.2         | 124.1                              | GGGG                |                      | 139                     | 52                     |
| 2380-02591        | 00000/0000                   | 2-20020/1029                         | 02/06/76         | 40             | 5290            | 0958N                                      | 09847E       | 42.8         | 122.8                              | GGGG                |                      | 139                     | 53                     |
| 2380-02594        | 00000/0000                   | 2-20020/1030                         | 02/06/76         | 50             | 5290            | 0832N                                      | 09827E       | 43.4         | 121.5                              | GGGG                |                      | 139                     | 54                     |
| 2380-03000        | 00000/0000                   | 2-20020/1031                         | 02/06/76         | 90             | 5290            | 0705N                                      | 09807E       | 43.9         | 120.2                              | GGGG                |                      | 139                     | 55                     |
| 2380-04364        | 00000/0000                   | 2-20020/1043                         | 02/06/76         | 50             | 5291            | 3003N                                      | 07805E       | 32.3         | 137.8                              | GGGG                |                      | 157                     | 39                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FBR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NO.<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|----------------------------|------------------|-----------------------|------------------------|------------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2380-04373        | 00000/0000                           | 2-20020/1044               | 02/06/76         | 60                    | 5291                   | 2712N                              | 07717E        | 34.1         | 135.9        | GGGG                  |                     |                      | 157                     | 41                     |
| 2380-04375        | 00000/0000                           | 2-20020/1045               | 02/06/76         | 10                    | 5291                   | 2546N                              | 07653E        | 34.9         | 135.0        | GGGG                  |                     |                      | 157                     | 42                     |
| 2380-04382        | 00000/0000                           | 2-20020/1046               | 02/06/76         | 0                     | 5291                   | 2420N                              | 07630E        | 35.7         | 134.0        | GGGG                  |                     |                      | 157                     | 43                     |
| 2380-04384        | 00000/0000                           | 2-20020/1047               | 02/06/76         | 0                     | 5291                   | 2254N                              | 07607E        | 36.5         | 133.0        | GGGG                  |                     |                      | 157                     | 44                     |
| 2380-04391        | 00000/0000                           | 2-20020/1048               | 02/06/76         | 0                     | 5291                   | 2128N                              | 07545E        | 37.3         | 132.0        | GGGG                  |                     |                      | 157                     | 45                     |
| 2380-04393        | 00000/0000                           | 2-20020/1049               | 02/06/76         | 0                     | 5291                   | 2002N                              | 07523E        | 38.1         | 131.0        | GGGG                  |                     |                      | 157                     | 46                     |
| 2380-04400        | 00000/0000                           | 2-20020/1008               | 02/06/76         | 0                     | 5291                   | 1836N                              | 07502E        | 38.8         | 129.9        | GGGG                  |                     |                      | 157                     | 47                     |
| 2380-04402        | 00000/0000                           | 2-20020/1009               | 02/06/76         | 0                     | 5291                   | 1709N                              | 07441E        | 39.6         | 128.8        | GGGG                  |                     |                      | 157                     | 48                     |
| 2380-04405        | 00000/0000                           | 2-20020/1010               | 02/06/76         | 0                     | 5291                   | 1543N                              | 07421E        | 40.3         | 127.6        | GGGG                  |                     |                      | 157                     | 49                     |
| 2380-06272        | 00000/0000                           | 2-20020/1050               | 02/06/76         | 10                    | 5292                   | 0413N                              | 04548E        | 44.9         | 117.4        | GGGG                  |                     |                      | 175                     | 57                     |
| 2380-06275        | 00000/0000                           | 2-20020/1051               | 02/06/76         | 10                    | 5292                   | 0247N                              | 04528E        | 45.4         | 116.0        | GGGF                  |                     |                      | 175                     | 58                     |
| 2380-07560        | 00000/0000                           | 2-20020/1052               | 02/06/76         | 0                     | 5293                   | 5408N                              | 03539E        | 15.8         | 151.2        | GGGG                  |                     |                      | 193                     | 22                     |
| 2380-07563        | 00000/0000                           | 2-20020/1082               | 02/06/76         | 10                    | 5293                   | 5244N                              | 03455E        | 16.8         | 150.4        | GGG                   |                     |                      | 193                     | 23                     |
| 2380-07565        | 00000/0000                           | 2-20020/1083               | 02/06/76         | 20                    | 5293                   | 5121N                              | 03412E        | 17.9         | 149.6        | GGGG                  |                     |                      | 193                     | 24                     |
| 2380-07572        | 00000/0000                           | 2-20020/1084               | 02/06/76         | 30                    | 5293                   | 4957N                              | 03331E        | 18.9         | 148.8        | GGGF                  |                     |                      | 193                     | 25                     |
| 2380-07574        | 00000/0000                           | 2-20020/1085               | 02/06/76         | 60                    | 5293                   | 4842N                              | 03252E        | 19.9         | 148.0        | GGFG                  |                     |                      | 193                     | 26                     |
| 2380-07581        | 00000/0000                           | 2-20020/1086               | 02/06/76         | 90                    | 5293                   | 4747N                              | 03215E        | 20.9         | 147.3        | FFGF                  |                     |                      | 193                     | 27                     |
| 2380-07583        | 00000/0000                           | 2-20020/1087               | 02/06/76         | 90                    | 5293                   | 4642N                              | 03140E        | 21.9         | 146.5        | GGFG                  |                     |                      | 193                     | 28                     |
| 2380-08045        | 00000/0000                           | 2-20020/1138               | 02/06/76         | 0                     | 5293                   | 2418N                              | 02452E        | 35.8         | 134.0        | GGGG                  |                     |                      | 193                     | 43                     |
| 2380-08074        | 00000/0000                           | 2-20020/1139               | 02/06/76         | 10                    | 5293                   | 1416N                              | 02222E        | 41.0         | 126.4        | GGGG                  |                     |                      | 193                     | 50                     |
| 2380-08081        | 00000/0000                           | 2-20020/1140               | 02/06/76         | 0                     | 5293                   | 1250N                              | 02201E        | 41.6         | 125.2        | GGGG                  |                     |                      | 193                     | 51                     |
| 2380-08083        | 00000/0000                           | 2-20020/1141               | 02/06/76         | 10                    | 5293                   | 1124N                              | 02140E        | 42.3         | 124.0        | GGGG                  |                     |                      | 193                     | 52                     |
| 2380-08090        | 00000/0000                           | 2-20020/1142               | 02/06/76         | 60                    | 5293                   | 0958N                              | 02119E        | 42.8         | 122.7        | GGGG                  |                     |                      | 193                     | 53                     |
| 2380-08092        | 00000/0000                           | 2-20020/1143               | 02/06/76         | 30                    | 5293                   | 0842N                              | 02059E        | 43.4         | 121.4        | GGGG                  |                     |                      | 193                     | 54                     |
| 2380-08095        | 00000/0000                           | 2-20020/1144               | 02/06/76         | 40                    | 5293                   | 0705N                              | 02039E        | 44.0         | 120.1        | GGGG                  |                     |                      | 193                     | 55                     |
| 2380-08265        | 00000/0000                           | 2-20020/1145               | 02/06/76         | 0                     | 5294                   | 2828N                              | 00012E        | 33.3         | 136.8        | GGFG                  |                     |                      | 211                     | 40                     |
| 2380-09471        | 00000/0000                           | 2-20020/1100               | 02/06/76         | 0                     | 5294                   | 2712N                              | 00011W        | 34.1         | 135.9        | GGGG                  |                     |                      | 211                     | 41                     |
| 2380-09474        | 00000/0000                           | 2-20020/1101               | 02/06/76         | 0                     | 5294                   | 2545N                              | 00034W        | 35.0         | 134.9        | GGGG                  |                     |                      | 211                     | 42                     |
| 2380-09480        | 00000/0000                           | 2-20020/1102               | 02/06/76         | 60                    | 5294                   | 2419N                              | 00057W        | 35.8         | 134.0        | GGFG                  |                     |                      | 211                     | 43                     |
| 2380-09483        | 00000/0000                           | 2-20020/1103               | 02/06/76         | 80                    | 5294                   | 2253N                              | 00120W        | 36.6         | 133.0        | GGGG                  |                     |                      | 211                     | 44                     |
| 2380-09485        | 00000/0000                           | 2-20020/1104               | 02/06/76         | 40                    | 5294                   | 2126N                              | 00142W        | 37.4         | 131.9        | FFGG                  |                     |                      | 211                     | 45                     |
| 2380-09492        | 00000/0000                           | 2-20020/1105               | 02/06/76         | 0                     | 5294                   | 2001N                              | 00203W        | 38.1         | 130.9        | GGGG                  |                     |                      | 211                     | 46                     |
| 2380-09494        | 00000/0000                           | 2-20020/1106               | 02/06/76         | 10                    | 5294                   | 1835N                              | 00224W        | 38.9         | 129.8        | GGGG                  |                     |                      | 211                     | 47                     |
| 2380-09501        | 00000/0000                           | 2-20020/1107               | 02/06/76         | 0                     | 5294                   | 1709N                              | 00245W        | 39.6         | 128.7        | GGGG                  |                     |                      | 211                     | 48                     |
| 2380-09503        | 00000/0000                           | 2-20020/1108               | 02/06/76         | 0                     | 5294                   | 1543N                              | 00306W        | 40.3         | 127.6        | GGGG                  |                     |                      | 211                     | 49                     |
| 2380-09510        | 00000/0000                           | 2-20020/1109               | 02/06/76         | 0                     | 5294                   | 1417N                              | 00327W        | 41.0         | 126.4        | GGGG                  |                     |                      | 211                     | 50                     |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=UNCOMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=IR4 GAIN, H=HIGH GAIN

02:44 APR 29, 1977

LANH SAT-2  
OBSERVATION ID LISTING  
FBR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM POSITION RBV | ROLL NO. IN ROLL MSS | DATE ACQUIRED | CLOUD COVER | ORBIT NUMBER | PRINCIPAL POINT OF IMAGE LAT | PRINCIPAL POINT OF IMAGE LONG | SUN ELEV. | SUN AZIM. | IMAGE QUAL RBV | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME ROW NUMBER |
|----------------|------------------------|----------------------|---------------|-------------|--------------|------------------------------|-------------------------------|-----------|-----------|----------------|---------------|----------------|-------------------|------------------|
| 2380-09512     | 00000/0000             | 2-20020/1110         | 02/06/76      | 0           | 5294         | 1250N                        | 00348W                        | 41.6      | 125.2     | FGGG           |               |                | 211               | 51               |
| 2380-09515     | 00000/0000             | 2-20020/1099         | 02/06/76      | 10          | 5294         | 1123N                        | 00409W                        | 42.3      | 124.0     | F GG           |               |                | 211               | 52               |
| 2380-11210     | 00000/0000             | 2-20020/1111         | 02/06/76      | 80          | 5295         | 5940N                        | 01230W                        | 11.7      | 154.7     | GGGF           |               |                | 229               | 18               |
| 2380-11212     | 00000/0000             | 2-20020/1112         | 02/06/76      | 90          | 5295         | 5817N                        | 01327W                        | 12.7      | 153.8     | GGGF           |               |                | 229               | 19               |
| 2380-13294     | 00000/0000             | 2-20020/1113         | 02/06/76      | 10          | 5296         | 2755S                        | 06511W                        | 45.8      | 84.6      | PPPF           |               |                | 247               | 79               |
| 2380-13303     | 00000/0000             | 2-20020/1114         | 02/06/76      | 0           | 5296         | 3018S                        | 06558W                        | 44.9      | 82.1      | PPPP           |               |                | 247               | 81               |
| 2380-13305     | 00000/0000             | 2-20020/1115         | 02/06/76      | 0           | 5296         | 3144S                        | 06623W                        | 44.4      | 80.9      | GGGF           |               |                | 247               | 82               |
| 2380-13312     | 00000/0000             | 2-20020/1116         | 02/06/76      | 0           | 5296         | 3309S                        | 06648W                        | 43.9      | 79.7      | GGGF           |               |                | 247               | 83               |
| 2380-13314     | 00000/0000             | 2-20020/1117         | 02/06/76      | 0           | 5296         | 3433S                        | 06714W                        | 43.4      | 78.6      | GGGG           |               |                | 247               | 84               |
| 2380-13321     | 00000/0000             | 2-20020/1118         | 02/06/76      | 10          | 5296         | 3558S                        | 06741W                        | 42.8      | 77.6      | FFFF           |               |                | 247               | 85               |
| 2380-13323     | 00000/0000             | 2-20020/1119         | 02/06/76      | 10          | 5296         | 3723S                        | 06808W                        | 42.2      | 76.5      | GGGG           |               |                | 247               | 86               |
| 2380-13330     | 00000/0000             | 2-20020/1120         | 02/06/76      | 10          | 5296         | 3848S                        | 06836W                        | 41.6      | 75.6      | GGGG           |               |                | 247               | 87               |
| 2380-13332     | 00000/0000             | 2-20020/1121         | 02/06/76      | 40          | 5296         | 4013S                        | 06905W                        | 41.0      | 74.7      | GGGG           |               |                | 247               | 88               |
| 2380-13335     | 00000/0000             | 2-20020/1122         | 02/06/76      | 50          | 5296         | 4138S                        | 06935W                        | 40.3      | 73.9      | PPPP           |               |                | 247               | 89               |
| 2380-14502     | 00000/0000             | 2-20020/1156         | 02/06/76      | 10          | 5297         | 4955N                        | 06947W                        | 19.0      | 148.8     | GGGG           |               |                | 14                | 25               |
| 2380-14570     | 00000/0000             | 2-20020/1157         | 02/06/76      | 20          | 5297         | 2710N                        | 07738W                        | 34.2      | 135.8     | F              |               |                | 14                | 41               |
| 2380-14573     | 00000/0000             | 2-20020/1158         | 02/06/76      | 20          | 5297         | 2544N                        | 07801W                        | 35.0      | 134.9     | FFFF           |               |                | 14                | 42               |
| 2380-14575     | 00000/0000             | 2-20020/1159         | 02/06/76      | 20          | 5297         | 2418N                        | 07824W                        | 35.8      | 133.9     | FFFF           |               |                | 14                | 43               |
| 2381-01200     | 00000/0000             | 2-20020/1123         | 02/07/76      | 40          | 5303         | 1544N                        | 12432E                        | 40.4      | 127.4     | GGFG           |               |                | 122               | 49               |
| 2381-01202     | 00000/0000             | 2-20020/1124         | 02/07/76      | 70          | 5303         | 1418N                        | 12411E                        | 41.1      | 126.2     | GGGG           |               |                | 122               | 50               |
| 2381-01205     | 00000/0000             | 2-20020/1125         | 02/07/76      | 90          | 5303         | 1251N                        | 12350E                        | 41.7      | 125.0     | GGGG           |               |                | 122               | 51               |
| 2381-01211     | 00000/0000             | 2-20020/1126         | 02/07/76      | 90          | 5303         | 1125N                        | 12330E                        | 42.3      | 123.7     | GGGG           |               |                | 122               | 52               |
| 2381-01214     | 00000/0000             | 2-20020/1127         | 02/07/76      | 70          | 5303         | 0958N                        | 12310E                        | 42.9      | 122.5     | GGGG           |               |                | 122               | 53               |
| 2381-01220     | 00000/0000             | 2-20020/1128         | 02/07/76      | 20          | 5303         | 0832N                        | 12249E                        | 43.5      | 121.2     | GGGG           |               |                | 122               | 54               |
| 2381-01223     | 00000/0000             | 2-20020/1129         | 02/07/76      | 10          | 5303         | 0745N                        | 12229E                        | 44.0      | 119.8     | GGGF           |               |                | 122               | 55               |
| 2381-03002     | 00000/0000             | 2-20020/1130         | 02/07/76      | 100         | 5304         | 2545N                        | 10116E                        | 35.1      | 134.7     | GGFG           |               |                | 140               | 42               |
| 2381-03004     | 00000/0000             | 2-20020/1131         | 02/07/76      | 90          | 5304         | 2419N                        | 10053E                        | 35.9      | 133.8     | GGFG           |               |                | 140               | 43               |
| 2381-03011     | 00000/0000             | 2-20020/1132         | 02/07/76      | 90          | 5304         | 2253N                        | 10030E                        | 36.7      | 132.8     | GGGG           |               |                | 140               | 44               |
| 2381-03034     | 00000/0000             | 2-20020/1133         | 02/07/76      | 40          | 5304         | 1416N                        | 09821E                        | 41.1      | 126.2     | GGGF           |               |                | 140               | 50               |
| 2381-03040     | 00000/0000             | 2-20020/1134         | 02/07/76      | 30          | 5304         | 1250N                        | 09801E                        | 41.7      | 124.9     | GGGG           |               |                | 140               | 51               |
| 2381-03043     | 00000/0000             | 2-20020/1135         | 02/07/76      | 30          | 5304         | 1124N                        | 09741E                        | 42.4      | 123.7     | FFFF           |               |                | 140               | 52               |
| 2381-03045     | 00000/0000             | 2-20020/1136         | 02/07/76      | 20          | 5304         | 0958N                        | 09721E                        | 43.0      | 122.4     | GGFG           |               |                | 140               | 53               |
| 2381-03052     | 00000/0000             | 2-20020/1137         | 02/07/76      | 30          | 5304         | 0831N                        | 09700E                        | 43.5      | 121.1     | FFFF           |               |                | 140               | 54               |
| 2381-04422     | 00000/0000             | 2-20020/1146         | 02/07/76      | 30          | 5305         | 3002N                        | 07638E                        | 32.6      | 137.5     | GGGG           |               |                | 158               | 39               |
| 2381-04424     | 00000/0000             | 2-20020/1147         | 02/07/76      | 10          | 5305         | 2847N                        | 07614E                        | 33.4      | 136.6     | GGGG           |               |                | 158               | 40               |
| 2381-04431     | 00000/0000             | 2-20020/1148         | 02/07/76      | 0           | 5305         | 2711N                        | 07550E                        | 34.3      | 135.7     | GGFG           |               |                | 158               | 41               |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2381-04433        | 00000/0000                   | 2-20020/1149                | 02/07/76         | 0              | 5305            | 2545N 07527E                            | 35.1         | 134.7        | GGGG                  |                     |                      | 158                     | 42                     |
| 2381-04440        | 00000/0000                   | 2-20020/1150                | 02/07/76         | 0              | 5305            | 2420N 07504E                            | 35.9         | 133.8        | GGGG                  |                     |                      | 158                     | 43                     |
| 2381-04442        | 00000/0000                   | 2-20020/1151                | 02/07/76         | 0              | 5305            | 2253N 07442E                            | 36.7         | 132.7        | GGGG                  |                     |                      | 158                     | 44                     |
| 2381-04445        | 00000/0000                   | 2-20020/1152                | 02/07/76         | 0              | 5305            | 2127N 07420E                            | 37.5         | 131.7        | GGGG                  |                     |                      | 158                     | 45                     |
| 2381-04451        | 00000/0000                   | 2-20020/1153                | 02/07/76         | 0              | 5305            | 2001N 07358E                            | 38.3         | 130.7        | GGGG                  |                     |                      | 158                     | 46                     |
| 2381-04454        | 00000/0000                   | 2-20020/1154                | 02/07/76         | 0              | 5305            | 1835N 07336E                            | 39.0         | 129.6        | GGGG                  |                     |                      | 158                     | 47                     |
| 2381-04460        | 00000/0000                   | 2-20020/1155                | 02/07/76         | 0              | 5305            | 1709N 07315E                            | 39.7         | 128.5        | GGGG                  |                     |                      | 158                     | 48                     |
| 2381-06260        | 00000/0000                   | 2-20020/1088                | 02/07/76         | 10             | 5306            | 2847N 05026E                            | 33.4         | 136.6        | GGGG                  |                     |                      | 176                     | 40                     |
| 2381-06304        | 00000/0000                   | 2-20020/1089                | 02/07/76         | 30             | 5306            | 1250N 04625E                            | 41.8         | 124.9        | GGGG                  |                     |                      | 176                     | 51                     |
| 2381-06310        | 00000/0000                   | 2-20020/1090                | 02/07/76         | 70             | 5306            | 1125N 04604E                            | 42.4         | 123.6        | GGGG                  |                     |                      | 176                     | 52                     |
| 2381-06313        | 00000/0000                   | 2-20020/1091                | 02/07/76         | 60             | 5306            | 0958N 04544E                            | 43.0         | 122.4        | GGGG                  |                     |                      | 176                     | 53                     |
| 2381-06315        | 00000/0000                   | 2-20020/1092                | 02/07/76         | 20             | 5306            | 0811N 04523E                            | 43.5         | 121.1        | GGGG                  |                     |                      | 176                     | 54                     |
| 2381-06322        | 00000/0000                   | 2-20020/1093                | 02/07/76         | 10             | 5306            | 0705N 04503E                            | 44.1         | 119.7        | GGGG                  |                     |                      | 176                     | 55                     |
| 2381-06324        | 00000/0000                   | 2-20020/1094                | 02/07/76         | 0              | 5306            | 0548N 04443E                            | 44.6         | 118.4        | GGGG                  |                     |                      | 176                     | 56                     |
| 2381-06331        | 00000/0000                   | 2-20020/1095                | 02/07/76         | 10             | 5306            | 0412N 04422E                            | 45.0         | 117.0        | GGGG                  |                     |                      | 176                     | 57                     |
| 2381-06333        | 00000/0000                   | 2-20020/1096                | 02/07/76         | 30             | 5306            | 0246N 04402E                            | 45.5         | 115.6        | GGGG                  |                     |                      | 176                     | 58                     |
| 2381-06340        | 00000/0000                   | 2-20020/1097                | 02/07/76         | 30             | 5306            | 0120N 04342E                            | 45.9         | 114.1        | GGGG                  |                     |                      | 176                     | 59                     |
| 2381-08010        | 00000/0000                   | 2-20020/1160                | 02/07/76         | 10             | 5307            | 5655N 03551E                            | 14.0         | 152.8        | GGGG                  |                     |                      | 194                     | 20                     |
| 2381-08012        | 00000/0000                   | 2-20020/1161                | 02/07/76         | 0              | 5307            | 5531N 03501E                            | 15.1         | 151.9        | GGGG                  |                     |                      | 194                     | 21                     |
| 2381-08015        | 00000/0000                   | 2-20020/1162                | 02/07/76         | 0              | 5307            | 5407N 03414E                            | 16.1         | 151.1        | GGGG                  |                     |                      | 194                     | 22                     |
| 2381-08021        | 00000/0000                   | 2-20020/1163                | 02/07/76         | 0              | 5307            | 5243N 03329E                            | 17.1         | 150.3        | GGGG                  |                     |                      | 194                     | 23                     |
| 2381-08024        | 00000/0000                   | 2-20020/1164                | 02/07/76         | 0              | 5307            | 5120N 03246E                            | 18.2         | 149.5        | GGGG                  |                     |                      | 194                     | 24                     |
| 2381-08030        | 00000/0000                   | 2-20020/0933                | 02/07/76         | 10             | 5307            | 4955N 03205E                            | 19.2         | 148.7        | GGGG                  |                     |                      | 194                     | 25                     |
| 2381-08033        | 00000/0000                   | 2-20020/0934                | 02/07/76         | 20             | 5307            | 4831N 03127E                            | 20.2         | 147.9        | GGGG                  |                     |                      | 194                     | 26                     |
| 2381-08043        | 00000/0000                   | 2-20020/0935                | 02/07/76         | 10             | 5307            | 3128N 02525E                            | 31.7         | 138.4        | GGGG                  |                     |                      | 194                     | 27                     |
| 2381-08092        | 00000/0000                   | 2-20020/0936                | 02/07/76         | 0              | 5307            | 2827N 02436E                            | 33.5         | 136.6        | GGGG                  |                     |                      | 194                     | 28                     |
| 2381-08094        | 00000/0000                   | 2-20020/0937                | 02/07/76         | 0              | 5307            | 2711N 02413E                            | 34.3         | 135.6        | GGGG                  |                     |                      | 194                     | 29                     |
| 2381-08101        | 00000/0000                   | 2-20020/0938                | 02/07/76         | 0              | 5307            | 2546N 02349E                            | 35.2         | 134.7        | GGGG                  |                     |                      | 194                     | 30                     |
| 2381-08103        | 00000/0000                   | 2-20020/0939                | 02/07/76         | 30             | 5307            | 2419N 02327E                            | 36.0         | 133.7        | GGGG                  |                     |                      | 194                     | 31                     |
| 2381-08110        | 00000/0000                   | 2-20020/0940                | 02/07/76         | 10             | 5307            | 2253N 02304E                            | 36.8         | 132.7        | GGGG                  |                     |                      | 194                     | 32                     |
| 2381-09562        | 00000/0000                   | 2-20020/1174                | 02/07/76         | 0              | 5308            | 1542N 00431W                            | 40.5         | 127.2        | GGGG                  |                     |                      | 212                     | 49                     |
| 2381-09564        | 00000/0000                   | 2-20020/1175                | 02/07/76         | 0              | 5308            | 1416N 00452W                            | 41.2         | 126.0        | GGGG                  |                     |                      | 212                     | 50                     |
| 2381-09571        | 00000/0000                   | 2-20020/1176                | 02/07/76         | 30             | 5308            | 1249N 00514W                            | 41.8         | 124.8        | GGGG                  |                     |                      | 212                     | 51                     |
| 2381-09573        | 00000/0000                   | 2-20020/1177                | 02/07/76         | 70             | 5308            | 1123N 00535W                            | 42.4         | 123.6        | GGGG                  |                     |                      | 212                     | 52                     |
| 2381-09580        | 00000/0000                   | 2-20020/1178                | 02/07/76         | 100            | 5308            | 0956N 00556W                            | 43.0         | 122.3        | GGGG                  |                     |                      | 212                     | 53                     |
| 2381-09582        | 00000/0000                   | 2-20020/1179                | 02/07/76         | 90             | 5308            | 0830N 00416W                            | 43.6         | 121.0        | GGGG                  |                     |                      | 212                     | 54                     |

KEYS: CLOUD COVER 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 24, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE | PRINT<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS | 123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-----------------------|----------------------|------------------|----------------|-----------------|-----------------------|--------------|--------------|--------------|-----------------------|-----------|---------------------|----------------------|-------------------------|------------------------|
| 2381-09585        | 00000/0000            | 2-20020/1180         | 02/07/76         | 90             | 5308            | 0703N                 | 00637W       | 44.1         | 119.7        | GGGG                  |           |                     |                      | 212                     | 55                     |
| 2381-13334        | 00000/0000            | 2-20020/1181         | 02/07/76         | 50             | 5310            | 2143S                 | 06503W       | 46.9         | 89.7         | GGGG                  |           |                     |                      | 248                     | 75                     |
| 2381-13340        | 00000/0000            | 2-20020/1182         | 02/07/76         | 50             | 5310            | 2309S                 | 06526W       | 46.7         | 88.2         | FGFF                  |           |                     |                      | 248                     | 76                     |
| 2381-13343        | 00000/0000            | 2-20020/1183         | 02/07/76         | 40             | 5310            | 2425S                 | 06548W       | 46.4         | 86.9         | FGFF                  |           |                     |                      | 248                     | 77                     |
| 2381-13345        | 00000/0000            | 2-20020/1184         | 02/07/76         | 40             | 5310            | 2600S                 | 06612W       | 46.0         | 85.5         | GGGG                  |           |                     |                      | 248                     | 78                     |
| 2381-13352        | 00000/0000            | 2-20020/1185         | 02/07/76         | 50             | 5310            | 2726S                 | 06635W       | 45.6         | 84.2         | GGGG                  |           |                     |                      | 248                     | 79                     |
| 2381-13354        | 00000/0000            | 2-20020/1186         | 02/07/76         | 40             | 5310            | 2853S                 | 06659W       | 45.2         | 82.9         | FFFF                  |           |                     |                      | 248                     | 80                     |
| 2381-13361        | 00000/0000            | 2-20020/1187         | 02/07/76         | 30             | 5310            | 3019S                 | 06723W       | 44.8         | 81.7         | FFFF                  |           |                     |                      | 248                     | 81                     |
| 2381-13363        | 00000/0000            | 2-20020/1188         | 02/07/76         | 20             | 5310            | 3144S                 | 06747W       | 44.3         | 80.5         | FFFF                  |           |                     |                      | 248                     | 82                     |
| 2381-13370        | 00000/0000            | 2-20020/1189         | 02/07/76         | 10             | 5310            | 3308S                 | 06813W       | 43.8         | 79.4         | GGGG                  |           |                     |                      | 248                     | 83                     |
| 2381-13372        | 00000/0000            | 2-20020/1190         | 02/07/76         | 10             | 5310            | 3473S                 | 06839W       | 43.2         | 78.3         | FFFF                  |           |                     |                      | 248                     | 84                     |
| 2381-13375        | 00000/0000            | 2-20020/1191         | 02/07/76         | 10             | 5310            | 3558S                 | 06905W       | 42.6         | 77.2         | FFFF                  |           |                     |                      | 248                     | 85                     |
| 2381-13381        | 00000/0000            | 2-20020/1192         | 02/07/76         | 50             | 5310            | 3703S                 | 06933W       | 42.0         | 76.2         | GGGG                  |           |                     |                      | 248                     | 86                     |
| 2381-13384        | 00000/0000            | 2-20020/0914         | 02/07/76         | 30             | 5310            | 3848S                 | 07001W       | 41.4         | 75.3         | FF                    |           |                     |                      | 248                     | 87                     |
| 2381-13390        | 00000/0000            | 2-20020/0915         | 02/07/76         | 30             | 5310            | 4013S                 | 07030W       | 40.8         | 74.4         | PPPP                  |           |                     |                      | 248                     | 88                     |
| 2381-13393        | 00000/0000            | 2-20020/0916         | 02/07/76         | 50             | 5310            | 4178S                 | 07100W       | 40.1         | 73.6         | GGGG                  |           |                     |                      | 248                     | 89                     |
| 2381-13395        | 00000/0000            | 2-20020/0917         | 02/07/76         | 70             | 5310            | 4303S                 | 07131W       | 39.4         | 72.8         | GGGG                  |           |                     |                      | 248                     | 90                     |
| 2381-14561        | 00000/0000            | 2-20020/1098         | 02/07/76         | 10             | 5311            | 4954N                 | 07114W       | 19.3         | 148.6        | GGGG                  |           |                     |                      | 16                      | 25                     |
| 2382-01254        | 00000/0000            | 2-20020/0918         | 02/08/76         | 40             | 5317            | 1543N                 | 12305E       | 40.6         | 127.0        | FFFF                  |           |                     |                      | 123                     | 49                     |
| 2382-01261        | 00000/0000            | 2-20020/0919         | 02/08/76         | 50             | 5317            | 1416N                 | 12244E       | 41.3         | 125.8        | GGGG                  |           |                     |                      | 123                     | 50                     |
| 2382-01263        | 00000/0000            | 2-20020/0920         | 02/08/76         | 40             | 5317            | 1250N                 | 12223E       | 41.9         | 124.6        | GGGG                  |           |                     |                      | 123                     | 51                     |
| 2382-01270        | 00000/0000            | 2-20020/0921         | 02/08/76         | 70             | 5317            | 1124N                 | 12203E       | 42.5         | 123.4        | GGGG                  |           |                     |                      | 123                     | 52                     |
| 2382-01272        | 00000/0000            | 2-20020/0922         | 02/08/76         | 80             | 5317            | 0958N                 | 12143E       | 43.1         | 122.1        | FFFF                  |           |                     |                      | 123                     | 53                     |
| 2382-01275        | 00000/0000            | 2-20020/0923         | 02/08/76         | 90             | 5317            | 0821N                 | 12123E       | 43.6         | 120.8        | GGGG                  |           |                     |                      | 123                     | 54                     |
| 2382-01281        | 00000/0000            | 2-20020/0924         | 02/08/76         | 90             | 5317            | 0704N                 | 12103E       | 44.2         | 119.4        | GGGG                  |           |                     |                      | 123                     | 55                     |
| 2382-03054        | 00000/0000            | 2-20020/0925         | 02/08/76         | 20             | 5318            | 2710N                 | 10014E       | 34.5         | 135.4        | GGGG                  |           |                     |                      | 141                     | 41                     |
| 2382-03060        | 00000/0000            | 2-20020/0926         | 02/08/76         | 60             | 5318            | 2545N                 | 09951E       | 35.3         | 134.5        | GGGG                  |           |                     |                      | 141                     | 42                     |
| 2382-03063        | 00000/0000            | 2-20020/0927         | 02/08/76         | 80             | 5318            | 2419N                 | 09928E       | 36.1         | 133.5        | GGGG                  |           |                     |                      | 141                     | 43                     |
| 2382-03065        | 00000/0000            | 2-20020/0928         | 02/08/76         | 80             | 5318            | 2253N                 | 09905E       | 36.9         | 132.5        | GGGG                  |           |                     |                      | 141                     | 44                     |
| 2382-03090        | 00000/0000            | 2-20020/0929         | 02/08/76         | 20             | 5318            | 1541N                 | 09718E       | 40.0         | 127.0        | FFFF                  |           |                     |                      | 141                     | 49                     |
| 2382-03092        | 00000/0000            | 2-20020/0930         | 02/08/76         | 40             | 5318            | 1416N                 | 09657E       | 41.3         | 125.8        | FFFF                  |           |                     |                      | 141                     | 50                     |
| 2382-03094        | 00000/0000            | 2-20020/0931         | 02/08/76         | 60             | 5318            | 1250N                 | 09636E       | 41.9         | 124.6        | FFFF                  |           |                     |                      | 141                     | 51                     |
| 2382-03122        | 00000/0000            | 2-20020/0932         | 02/08/76         | 70             | 5318            | 0412N                 | 09634E       | 45.1         | 116.6        | GGGG                  |           |                     |                      | 141                     | 57                     |
| 2382-06314        | 00000/0000            | 2-20020/1165         | 02/08/76         | 40             | 5320            | 2876N                 | 04859E       | 33.7         | 136.3        | FFFF                  |           |                     |                      | 177                     | 40                     |
| 2382-06391        | 00000/0000            | 2-20020/1166         | 02/08/76         | 70             | 5320            | 0246N                 | 04236E       | 45.6         | 115.1        | GGGG                  |           |                     |                      | 177                     | 58                     |
| 2382-06394        | 00000/0000            | 2-20020/1167         | 02/08/76         | 10             | 5320            | 0119N                 | 04215E       | 45.9         | 113.7        | GGGG                  |           |                     |                      | 177                     | 59                     |

KEYS: CLOUD COVER 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>POSITION<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>PRINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>NRN<br>NUMBER |
|-------------------|------------------------------|-----------------------------------------|------------------|----------------|------------------------|---------------------------------------|----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2382-06400        | 00000/0000                   | 2-20020/1168                            | 02/08/76         | 10             | 5320                   | 0006S                                 | 04155E                                 | 46.3         | 112.2        | GFGB                               |                     |                      | 177                     | 60                     |
| 2382-06403        | 00000/0000                   | 2-20020/1169                            | 02/08/76         | 40             | 5320                   | 0131S                                 | 04135E                                 | 46.6         | 110.7        | GGGG                               |                     |                      | 177                     | 61                     |
| 2382-06405        | 00000/0000                   | 2-20020/1170                            | 02/08/76         | 40             | 5320                   | 0259S                                 | 04115E                                 | 46.9         | 109.2        | FGGG                               |                     |                      | 177                     | 62                     |
| 2382-07000        | 00000/0000                   | 2-20020/1171                            | 02/08/76         | 90             | 5320                   | 6733S                                 | 01351E                                 | 23.6         | 71.8         | GGGG                               |                     |                      | 177                     | 108                    |
| 2382-07003        | 00000/0000                   | 2-20020/1172                            | 02/08/76         | 60             | 5320                   | 6910S                                 | 01204E                                 | 22.6         | 72.9         | GFGB                               |                     |                      | 177                     | 109                    |
| 2382-07012        | 00000/0000                   | 2-20020/1173                            | 02/08/76         | 10             | 5320                   | 7143S                                 | 00747E                                 | 20.6         | 75.9         | GFGB                               |                     |                      | 177                     | 111                    |
| 2382-08061        | 00000/0000                   | 2-20020/1053                            | 02/08/76         | 100            | 5321                   | 5817N                                 | 03517E                                 | 13.3         | 153.6        | GGGG                               |                     |                      | 195                     | 19                     |
| 2382-08064        | 00000/0000                   | 2-20020/1054                            | 02/08/76         | 90             | 5321                   | 5653N                                 | 03423E                                 | 14.3         | 152.7        | GGGG                               |                     |                      | 195                     | 20                     |
| 2382-08070        | 00000/0000                   | 2-20020/1055                            | 02/08/76         | 70             | 5321                   | 5530N                                 | 03333E                                 | 15.4         | 151.8        | GGGG                               |                     |                      | 195                     | 21                     |
| 2382-08075        | 00000/0000                   | 2-20020/1224                            | 02/08/76         | 80             | 5321                   | 5244N                                 | 03200E                                 | 17.4         | 150.1        | GFFF                               |                     |                      | 195                     | 23                     |
| 2382-08082        | 00000/0000                   | 2-20020/1225                            | 02/08/76         | 10             | 5321                   | 5120N                                 | 03118E                                 | 18.5         | 149.3        | GGGG                               |                     |                      | 195                     | 24                     |
| 2382-08084        | 00000/0000                   | 2-20020/1226                            | 02/08/76         | 0              | 5321                   | 4956N                                 | 03038E                                 | 19.5         | 148.5        | GGGG                               |                     |                      | 195                     | 25                     |
| 2382-08091        | 00000/0000                   | 2-20020/1227                            | 02/08/76         | 0              | 5321                   | 4831N                                 | 03000E                                 | 20.5         | 147.8        | GGGG                               |                     |                      | 195                     | 26                     |
| 2382-08093        | 00000/0000                   | 2-20020/1210                            | 02/08/76         | 0              | 5321                   | 4746N                                 | 02923E                                 | 21.5         | 147.0        | GGGG                               |                     |                      | 195                     | 27                     |
| 2382-08100        | 00000/0000                   | 2-20020/1211                            | 02/08/76         | 10             | 5321                   | 4541N                                 | 02849E                                 | 22.5         | 146.2        | FGGG                               |                     |                      | 195                     | 28                     |
| 2382-08102        | 00000/0000                   | 2-20020/1212                            | 02/08/76         | 30             | 5321                   | 4416N                                 | 02815E                                 | 23.5         | 145.4        | GGGG                               |                     |                      | 195                     | 29                     |
| 2382-08105        | 00000/0000                   | 2-20020/1213                            | 02/08/76         | 40             | 5321                   | 4251N                                 | 02743E                                 | 24.5         | 144.7        | GGGG                               |                     |                      | 195                     | 30                     |
| 2382-08141        | 00000/0000                   | 2-20020/1214                            | 02/08/76         | 80             | 5321                   | 3128N                                 | 02359E                                 | 32.0         | 138.1        | GGGG                               |                     |                      | 195                     | 38                     |
| 2382-08143        | 00000/0000                   | 2-20020/1506                            | 02/08/76         | 40             | 5321                   | 3002N                                 | 02334E                                 | 32.8         | 137.2        | GFFF                               |                     |                      | 195                     | 39                     |
| 2382-13424        | 00000/0000                   | 2-20020/1193                            | 02/08/76         | 60             | 5324                   | 3349S                                 | 06939W                                 | 43.6         | 79.0         | FG G                               |                     |                      | 249                     | 83                     |
| 2382-13431        | 00000/0000                   | 2-20020/1194                            | 02/08/76         | 40             | 5324                   | 3434S                                 | 07005W                                 | 43.0         | 77.9         | FGFG                               |                     |                      | 249                     | 84                     |
| 2382-13433        | 00000/0000                   | 2-20020/1195                            | 02/08/76         | 20             | 5324                   | 3553S                                 | 07032W                                 | 42.4         | 76.9         | GGFG                               |                     |                      | 249                     | 85                     |
| 2382-13440        | 00000/0000                   | 2-20020/1196                            | 02/08/76         | 0              | 5324                   | 3724S                                 | 07059W                                 | 41.8         | 75.9         | GGGG                               |                     |                      | 249                     | 86                     |
| 2382-13442        | 00000/0000                   | 2-20020/1197                            | 02/08/76         | 0              | 5324                   | 3849S                                 | 07127W                                 | 41.2         | 75.0         | GGGG                               |                     |                      | 249                     | 87                     |
| 2382-18300        | 00000/0000                   | 2-20020/1239                            | 02/08/76         | 50             | 5327                   | 4415N                                 | 12644W                                 | 23.6         | 145.4        | GFFF                               |                     |                      | 52                      | 29                     |
| 2383-01312        | 00000/0000                   | 2-20020/1198                            | 02/09/76         | 60             | 5331                   | 1579N                                 | 12140E                                 | 40.8         | 126.1        | GGGG                               |                     |                      | 124                     | 49                     |
| 2383-01315        | 00000/0000                   | 2-20020/1199                            | 02/09/76         | 40             | 5331                   | 1413N                                 | 12118E                                 | 41.5         | 125.4        | GGGG                               |                     |                      | 124                     | 50                     |
| 2383-01321        | 00000/0000                   | 2-20020/1200                            | 02/09/76         | 50             | 5331                   | 1248N                                 | 12057E                                 | 42.1         | 124.2        | GGFG                               |                     |                      | 124                     | 51                     |
| 2383-01324        | 00000/0000                   | 2-20020/1201                            | 02/09/76         | 90             | 5331                   | 1121N                                 | 12037E                                 | 42.7         | 122.9        | GGGG                               |                     |                      | 124                     | 52                     |
| 2383-01330        | 00000/0000                   | 2-20020/1202                            | 02/09/76         | 90             | 5331                   | 0954N                                 | 12017E                                 | 43.3         | 121.6        | FGGG                               |                     |                      | 124                     | 53                     |
| 2383-01333        | 00000/0000                   | 2-20020/1203                            | 02/09/76         | 60             | 5331                   | 0827N                                 | 11957E                                 | 43.8         | 120.3        | GGGG                               |                     |                      | 124                     | 54                     |
| 2383-01335        | 00000/0000                   | 2-20020/1204                            | 02/09/76         | 40             | 5331                   | 0701N                                 | 11936E                                 | 44.3         | 119.0        | GFFF                               |                     |                      | 124                     | 55                     |
| 2383-03121        | 00000/0000                   | 2-20020/1205                            | 02/09/76         | 30             | 5332                   | 2415N                                 | 09800E                                 | 36.4         | 133.2        | GGGG                               |                     |                      | 142                     | 43                     |
| 2383-03162        | 00000/0000                   | 2-20020/1206                            | 02/09/76         | 40             | 5332                   | 0951N                                 | 09427E                                 | 43.3         | 121.6        | GFFF                               |                     |                      | 142                     | 53                     |
| 2383-03165        | 00000/0000                   | 2-20020/1207                            | 02/09/76         | 40             | 5332                   | 0825N                                 | 09406E                                 | 43.8         | 120.3        | FPPF                               |                     |                      | 142                     | 54                     |
| 2383-03171        | 00000/0000                   | 2-20020/1208                            | 02/09/76         | 40             | 5332                   | 0700N                                 | 09346E                                 | 44.3         | 118.9        | GFFF                               |                     |                      | 142                     | 55                     |

KEYS: CLOUD COVER 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2383-03180        | 00000/0000                   | 2-20020/1209                | 02/09/76         | 40             | 5332          | 0407N                        | 09306E        | 45.2         | 116.1        | GPFF                  |                     |                      | 142                     | 57                     |
| 2383-04514        | 00000/0000                   | 2-20020/1215                | 02/09/76         | 20             | 5333          | 3706N                        | 07555E        | 28.6         | 141.3        | GFGG                  |                     |                      | 160                     | 34                     |
| 2383-04521        | 00000/0000                   | 2-20020/1216                | 02/09/76         | 40             | 5333          | 3541N                        | 07527E        | 29.5         | 140.5        | GGGG                  |                     |                      | 160                     | 35                     |
| 2383-04523        | 00000/0000                   | 2-20020/1217                | 02/09/76         | 20             | 5333          | 3415N                        | 07501E        | 30.4         | 139.6        | GGGG                  |                     |                      | 160                     | 36                     |
| 2383-04530        | 00000/0000                   | 2-20020/1218                | 02/09/76         | 10             | 5333          | 3249N                        | 07435E        | 31.3         | 138.8        | FGGG                  |                     |                      | 160                     | 37                     |
| 2383-04544        | 00000/0000                   | 2-20020/1219                | 02/09/76         | 0              | 5333          | 2706N                        | 07257E        | 34.8         | 135.1        | GGGG                  |                     |                      | 160                     | 41                     |
| 2383-04550        | 00000/0000                   | 2-20020/1220                | 02/09/76         | 0              | 5333          | 2540N                        | 07233E        | 35.6         | 134.1        | GGGG                  |                     |                      | 160                     | 42                     |
| 2383-04553        | 00000/0000                   | 2-20020/1221                | 02/09/76         | 0              | 5333          | 2413N                        | 07210E        | 36.4         | 133.1        | GGGG                  |                     |                      | 160                     | 43                     |
| 2383-04555        | 00000/0000                   | 2-20020/1222                | 02/09/76         | 0              | 5333          | 2248N                        | 07148E        | 37.2         | 132.1        | GGGG                  |                     |                      | 160                     | 44                     |
| 2383-04562        | 00000/0000                   | 2-20020/1223                | 02/09/76         | 0              | 5333          | 2122N                        | 07126E        | 38.0         | 131.1        | GGGF                  |                     |                      | 160                     | 45                     |
| 2383-06441        | 00000/0000                   | 2-20020/1228                | 02/09/76         | 10             | 5334          | 0533N                        | 04150E        | 44.3         | 117.5        | GGGG                  |                     |                      | 178                     | 56                     |
| 2383-06443        | 00000/0000                   | 2-20020/1229                | 02/09/76         | 10             | 5334          | 0407N                        | 04130E        | 45.3         | 116.1        | GGGG                  |                     |                      | 178                     | 57                     |
| 2383-06450        | 00000/0000                   | 2-20020/1230                | 02/09/76         | 0              | 5334          | 0241N                        | 04110E        | 45.7         | 114.6        | GFGG                  |                     |                      | 178                     | 58                     |
| 2383-06452        | 00000/0000                   | 2-20020/1231                | 02/09/76         | 0              | 5334          | 0116N                        | 04049E        | 46.0         | 113.2        | GGGG                  |                     |                      | 178                     | 59                     |
| 2383-06455        | 00000/0000                   | 2-20020/1232                | 02/09/76         | 30             | 5334          | 0010S                        | 04029E        | 46.4         | 111.7        | GGGG                  |                     |                      | 178                     | 60                     |
| 2383-06461        | 00000/0000                   | 2-20020/1233                | 02/09/76         | 70             | 5334          | 0138S                        | 04009E        | 46.7         | 110.2        | GGGG                  |                     |                      | 178                     | 61                     |
| 2383-06464        | 00000/0000                   | 2-20020/1234                | 02/09/76         | 50             | 5334          | 0303S                        | 03949E        | 46.9         | 108.7        | FGGG                  |                     |                      | 178                     | 62                     |
| 2383-06470        | 00000/0000                   | 2-20020/1235                | 02/09/76         | 40             | 5334          | 0429S                        | 03929E        | 47.2         | 107.1        | FGGG                  |                     |                      | 178                     | 63                     |
| 2383-06473        | 00000/0000                   | 2-20020/1236                | 02/09/76         | 50             | 5334          | 0556S                        | 03909E        | 47.4         | 105.6        | FGGG                  |                     |                      | 178                     | 64                     |
| 2383-07064        | 00000/0000                   | 2-20020/1237                | 02/09/76         | 10             | 5334          | 7032S                        | 00831E        | 21.2         | 74.3         | GGGG                  |                     |                      | 178                     | 110                    |
| 2383-07070        | 00000/0000                   | 2-20020/1238                | 02/09/76         | 0              | 5334          | 7148S                        | 00614E        | 20.2         | 75.9         | GGGG                  |                     |                      | 178                     | 111                    |
| 2383-08120        | 00000/0000                   | 2-20020/1056                | 02/09/76         | 100            | 5335          | 5817N                        | 03350E        | 13.6         | 153.5        | GGGG                  |                     |                      | 196                     | 19                     |
| 2383-08134        | 00000/0000                   | 2-20020/1057                | 02/09/76         | 30             | 5335          | 5244N                        | 03033E        | 17.7         | 150.0        | GGGG                  |                     |                      | 196                     | 23                     |
| 2383-08152        | 00000/0000                   | 2-20020/1058                | 02/09/76         | 20             | 5335          | 4705N                        | 02756E        | 21.8         | 146.8        | GGGG                  |                     |                      | 196                     | 27                     |
| 2383-08154        | 00000/0000                   | 2-20020/1059                | 02/09/76         | 10             | 5335          | 4541N                        | 02722E        | 22.8         | 146.1        | GGGG                  |                     |                      | 196                     | 28                     |
| 2383-08161        | 00000/0000                   | 2-20020/1060                | 02/09/76         | 0              | 5335          | 4416N                        | 02649E        | 23.8         | 145.3        | GGGG                  |                     |                      | 196                     | 29                     |
| 2383-08163        | 00000/0000                   | 2-20020/1061                | 02/09/76         | 10             | 5335          | 4251N                        | 02617E        | 24.8         | 144.5        | GGGG                  |                     |                      | 196                     | 30                     |
| 2383-08254        | 00000/0000                   | 2-20020/1062                | 02/09/76         | 0              | 5335          | 1122N                        | 01722E        | 42.7         | 122.8        | GGGG                  |                     |                      | 196                     | 52                     |
| 2383-08261        | 00000/0000                   | 2-20020/1063                | 02/09/76         | 0              | 5335          | 0956N                        | 01702E        | 43.3         | 121.6        | GGGG                  |                     |                      | 196                     | 53                     |
| 2383-08263        | 00000/0000                   | 2-20020/1252                | 02/09/76         | 10             | 5335          | 0830N                        | 01641E        | 43.8         | 120.2        | FFFF                  |                     |                      | 196                     | 54                     |
| 2383-08270        | 00000/0000                   | 2-20020/1253                | 02/09/76         | 30             | 5335          | 0733N                        | 01621E        | 44.3         | 118.9        | FGGG                  |                     |                      | 196                     | 55                     |
| 2383-09574        | 00000/0000                   | 2-20020/1254                | 02/09/76         | 90             | 5336          | 4954N                        | 00321E        | 19.8         | 148.4        | FFGF                  |                     |                      | 214                     | 25                     |
| 2383-09581        | 00000/0000                   | 2-20020/1255                | 02/09/76         | 90             | 5336          | 4830N                        | 00243E        | 20.8         | 147.6        | GGGF                  |                     |                      | 214                     | 26                     |
| 2383-10054        | 00000/0000                   | 2-20020/1244                | 02/09/76         | 60             | 5336          | 2252N                        | 00537W        | 37.2         | 132.1        | FFFG                  |                     |                      | 214                     | 44                     |
| 2383-10060        | 00000/0000                   | 2-20020/1245                | 02/09/76         | 90             | 5336          | 2126N                        | 00559W        | 38.0         | 131.0        | FFFG                  |                     |                      | 214                     | 45                     |
| 2383-10063        | 00000/0000                   | 2-20020/1246                | 02/09/76         | 100            | 5336          | 2000N                        | 00621W        | 38.7         | 129.9        | FFGG                  |                     |                      | 214                     | 46                     |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLBD COVER<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RAW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------------|------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2383-10072        | 00000/0000 2-20020/1247                        | 02/09/76         | 40                   | 5336 1707N                         | 00704W       | 40.2         | 127.7                              | FFFF                |                      | 214                     | 48                     |
| 2383-10074        | 00000/0000 2-20020/1248                        | 02/09/76         | 20                   | 5336 1540N                         | 00725W       | 40.8         | 126.5                              | GGGG                |                      | 214                     | 49                     |
| 2383-10081        | 00000/0000 2-20020/1249                        | 02/09/76         | 10                   | 5336 1414N                         | 00746W       | 41.5         | 125.3                              | GGGG                |                      | 214                     | 50                     |
| 2383-10083        | 00000/0000 2-20020/1250                        | 02/09/76         | 0                    | 5336 1248N                         | 00807W       | 42.1         | 124.1                              | GGGG                |                      | 214                     | 51                     |
| 2383-10351        | 00000/0000 2-20020/1251                        | 02/09/76         | 100                  | 5336 7627S                         | 05803W       | 16.1         | 86.5                               | FFFF                |                      | 214                     | 115                    |
| 2383-13451        | 00000/0000 2-20020/1256                        | 02/09/76         | 60                   | 5338 2144S                         | 06756W       | 46.7         | 88.8                               | FFFF                |                      | 250                     | 75                     |
| 2383-13453        | 00000/0000 2-20020/1257                        | 02/09/76         | 10                   | 5338 2310S                         | 06817W       | 46.4         | 87.4                               | FGFG                |                      | 250                     | 76                     |
| 2383-13460        | 00000/0000 2-20020/1277                        | 02/09/76         | 0                    | 5338 2436S                         | 06840W       | 46.1         | 86.0                               | FFFF                |                      | 250                     | 77                     |
| 2383-13462        | 00000/0000 2-20020/1278                        | 02/09/76         | 10                   | 5338 2601S                         | 06902W       | 45.7         | 84.7                               | PPPP                |                      | 250                     | 78                     |
| 2383-13465        | 00000/0000 2-20020/1279                        | 02/09/76         | 10                   | 5338 2726S                         | 06925W       | 45.3         | 83.4                               | PPPP                |                      | 250                     | 79                     |
| 2383-13471        | 00000/0000 2-20020/1280                        | 02/09/76         | 20                   | 5338 2851S                         | 06949W       | 44.9         | 82.1                               | FFFF                |                      | 250                     | 80                     |
| 2383-13474        | 00000/0000 2-20020/1281                        | 02/09/76         | 30                   | 5338 3017S                         | 07013W       | 44.4         | 80.9                               | PPPP                |                      | 250                     | 81                     |
| 2383-13480        | 00000/0000 2-20020/1282                        | 02/09/76         | 40                   | 5338 3143S                         | 07039W       | 43.9         | 79.7                               | GGGG                |                      | 250                     | 82                     |
| 2383-13483        | 00000/0000 2-20020/1283                        | 02/09/76         | 60                   | 5338 3309S                         | 07104W       | 43.4         | 78.6                               | FFFF                |                      | 250                     | 83                     |
| 2383-13485        | 00000/0000 2-20020/1284                        | 02/09/76         | 80                   | 5338 3434S                         | 07131W       | 42.8         | 77.5                               | FFFF                |                      | 250                     | 84                     |
| 2383-13492        | 00000/0000 2-20020/1285                        | 02/09/76         | 30                   | 5338 3600S                         | 07158W       | 42.2         | 76.5                               | GGGG                |                      | 250                     | 85                     |
| 2383-13494        | 00000/0000 2-20020/1286                        | 02/09/76         | 10                   | 5338 3725S                         | 07225W       | 41.6         | 75.6                               | FFFF                |                      | 250                     | 86                     |
| 2383-13501        | 00000/0000 2-20020/1287                        | 02/09/76         | 10                   | 5338 3850S                         | 07253W       | 41.0         | 74.6                               | FFFF                |                      | 250                     | 87                     |
| 2383-13503        | 00000/0000 2-20020/1288                        | 02/09/76         | 20                   | 5338 4015S                         | 07322W       | 40.3         | 73.8                               | GGGG                |                      | 250                     | 88                     |
| 2383-13510        | 00000/0000 2-20020/1289                        | 02/09/76         | 10                   | 5338 4139S                         | 07352W       | 39.6         | 73.0                               | GGGG                |                      | 250                     | 89                     |
| 2383-13073        | 00000/0000 2-20020/1242                        | 02/09/76         | 20                   | 5339 4953N                         | 07405W       | 19.9         | 148.3                              | GGGG                |                      | 17                      | 25                     |
| 2383-15180        | 00000/0000 2-20020/1290                        | 02/09/76         | 60                   | 5339 1413N                         | 08513W       | 41.5         | 125.2                              | GGGG                |                      | 17                      | 50                     |
| 2383-15182        | 00000/0000 2-20020/1291                        | 02/09/76         | 60                   | 5339 1247N                         | 08533W       | 42.2         | 124.0                              | GGGG                |                      | 17                      | 51                     |
| 2383-15185        | 00000/0000 2-20020/1292                        | 02/09/76         | 20                   | 5339 1120N                         | 08554W       | 42.8         | 122.7                              | GGGG                |                      | 17                      | 52                     |
| 2383-15502        | 00000/0000 2-20020/1240                        | 02/09/76         | 0                    | 5340 5118N                         | 09916W       | 18.9         | 149.1                              | GGGG                |                      | 35                      | 24                     |
| 2383-18345        | 00000/0000 2-20020/1241                        | 02/09/76         | 30                   | 5341 4705N                         | 12659W       | 21.9         | 146.8                              | GGGG                |                      | 53                      | 27                     |
| 2384-01371        | 00000/0000 2-20020/1258                        | 02/10/76         | 20                   | 5345 1526N                         | 12013E       | 41.0         | 126.2                              | FFGG                |                      | 125                     | 49                     |
| 2384-01373        | 00000/0000 2-20020/1259                        | 02/10/76         | 30                   | 5345 1411N                         | 11952E       | 41.6         | 125.0                              | FFGG                |                      | 125                     | 50                     |
| 2384-03211        | 00000/0000 2-20020/1260                        | 02/10/76         | 40                   | 5346 1244N                         | 09341E       | 42.3         | 123.8                              | FFFF                |                      | 143                     | 51                     |
| 2384-04581        | 00000/0000 2-20020/1261                        | 02/10/76         | 0                    | 5347 3414N                         | 07334E       | 30.7         | 139.4                              | GGGG                |                      | 161                     | 36                     |
| 2384-04584        | 00000/0000 2-20020/1262                        | 02/10/76         | 10                   | 5347 3248N                         | 07308E       | 31.6         | 138.5                              | GGGG                |                      | 161                     | 37                     |
| 2384-04590        | 00000/0000 2-20020/1263                        | 02/10/76         | 10                   | 5347 3122N                         | 07243E       | 32.5         | 137.6                              | GGGG                |                      | 161                     | 38                     |
| 2384-04593        | 00000/0000 2-20020/1264                        | 02/10/76         | 10                   | 5347 2957N                         | 07218E       | 33.3         | 136.7                              | GGGG                |                      | 161                     | 39                     |
| 2384-04595        | 00000/0000 2-20020/1265                        | 02/10/76         | 0                    | 5347 2821N                         | 07154E       | 34.2         | 135.8                              | FFFF                |                      | 161                     | 40                     |
| 2384-05002        | 00000/0000 2-20020/1266                        | 02/10/76         | 0                    | 5347 2705N                         | 07130E       | 35.0         | 134.8                              | FFFF                |                      | 161                     | 41                     |
| 2384-05004        | 00000/0000 2-20020/1267                        | 02/10/76         | 0                    | 5347 2539N                         | 07106E       | 35.8         | 133.8                              | GGGG                |                      | 161                     | 42                     |

KEYS: CLBD COVER 4 ..... U TO 100 = % CLBD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2384-05011        | 00000/0000                   | 2-20020/1268                | 02/10/76         | 0              | 5347                   | 2413N                        | 07044E        | 36.6         | 132.8        | FGGF                               |                     |                      | 161                     | 43                     |
| 2384-05013        | 00000/0000                   | 2-20020/1269                | 02/10/76         | 0              | 5347                   | 2247N                        | 07021E        | 37.4         | 131.8        | GGGG                               |                     |                      | 161                     | 44                     |
| 2384-05020        | 00000/0000                   | 2-20020/1270                | 02/10/76         | 0              | 5347                   | 2121N                        | 07000E        | 38.2         | 130.7        | FGGG                               |                     |                      | 161                     | 45                     |
| 2384-05293        | 00000/0000                   | 2-20020/1271                | 02/10/76         | 10             | 5347                   | 7149S                        | 03037E        | 19.9         | 75.9         | FGGF                               |                     |                      | 161                     | 111                    |
| 2384-06495        | 00000/0000                   | 2-20020/1327                | 02/10/76         | 10             | 5348                   | 0533N                        | 04022E        | 44.9         | 117.0        | FFGF                               |                     |                      | 179                     | 56                     |
| 2384-06502        | 00000/0000                   | 2-20020/1328                | 02/10/76         | 10             | 5348                   | 0406N                        | 04002E        | 45.4         | 115.6        | GGGG                               |                     |                      | 179                     | 57                     |
| 2384-06504        | 00000/0000                   | 2-20020/1329                | 02/10/76         | 0              | 5348                   | 0240N                        | 03942E        | 45.8         | 114.2        | FGGG                               |                     |                      | 179                     | 58                     |
| 2384-06511        | 00000/0000                   | 2-20020/1330                | 02/10/76         | 60             | 5348                   | 0113N                        | 03923E        | 46.1         | 112.7        | FGGG                               |                     |                      | 179                     | 59                     |
| 2384-06513        | 00000/0000                   | 2-20020/1331                | 02/10/76         | 60             | 5348                   | 0013S                        | 03903E        | 46.5         | 111.2        | GGGG                               |                     |                      | 179                     | 60                     |
| 2384-06525        | 00000/0000                   | 2-20020/1064                | 02/10/76         | 10             | 5348                   | 0430S                        | 03803E        | 47.2         | 106.7        | GGGG                               |                     |                      | 179                     | 63                     |
| 2384-06590        | 00000/0000                   | 2-20020/1065                | 02/10/76         | 10             | 5348                   | 2646S                        | 03243E        | 45.6         | 84.3         | FGGG                               |                     |                      | 179                     | 78                     |
| 2384-06593        | 00000/0000                   | 2-20020/1066                | 02/10/76         | 30             | 5348                   | 2731S                        | 03219E        | 45.2         | 83.0         | GGGG                               |                     |                      | 179                     | 79                     |
| 2384-08190        | 00000/0000                   | 2-20020/1067                | 02/10/76         | 50             | 5349                   | 5403N                        | 02951E        | 17.1         | 150.7        | FGGG                               |                     |                      | 197                     | 22                     |
| 2384-08192        | 00000/0000                   | 2-20020/1068                | 02/10/76         | 50             | 5349                   | 5240N                        | 02906E        | 18.1         | 149.8        | GGGG                               |                     |                      | 197                     | 23                     |
| 2384-08195        | 00000/0000                   | 2-20020/1069                | 02/10/76         | 0              | 5349                   | 5115N                        | 02824E        | 19.1         | 149.0        | GGGG                               |                     |                      | 197                     | 24                     |
| 2384-08201        | 00000/0000                   | 2-20020/1070                | 02/10/76         | 0              | 5349                   | 4951N                        | 02744E        | 20.1         | 148.2        | GGGG                               |                     |                      | 197                     | 25                     |
| 2384-08204        | 00000/0000                   | 2-20020/1071                | 02/10/76         | 0              | 5349                   | 4827N                        | 02705E        | 21.1         | 147.4        | GGGG                               |                     |                      | 197                     | 26                     |
| 2384-08210        | 00000/0000                   | 2-20020/1072                | 02/10/76         | 0              | 5349                   | 4702N                        | 02629E        | 22.1         | 146.6        | GGGG                               |                     |                      | 197                     | 27                     |
| 2384-08310        | 00000/0000                   | 2-20020/1073                | 02/10/76         | 10             | 5349                   | 1245N                        | 01616E        | 42.3         | 123.7        | GGFG                               |                     |                      | 197                     | 51                     |
| 2384-08313        | 00000/0000                   | 2-20020/1074                | 02/10/76         | 10             | 5349                   | 1119N                        | 01556E        | 42.9         | 122.4        | GGGG                               |                     |                      | 197                     | 52                     |
| 2384-08315        | 00000/0000                   | 2-20020/1075                | 02/10/76         | 40             | 5349                   | 0952N                        | 01535E        | 43.5         | 121.1        | GGGG                               |                     |                      | 197                     | 53                     |
| 2384-08322        | 00000/0000                   | 2-20020/1076                | 02/10/76         | 70             | 5349                   | 0826N                        | 01514E        | 44.0         | 119.8        | GGGG                               |                     |                      | 197                     | 54                     |
| 2384-08324        | 00000/0000                   | 2-20020/1077                | 02/10/76         | 90             | 5349                   | 0659N                        | 01453E        | 44.5         | 118.4        | GGGG                               |                     |                      | 197                     | 55                     |
| 2384-10024        | 00000/0000                   | 2-20020/1078                | 02/10/76         | 20             | 5350                   | 5241N                        | 00317E        | 18.1         | 149.9        | GGGG                               |                     |                      | 215                     | 23                     |
| 2384-10030        | 00000/0000                   | 2-20020/1079                | 02/10/76         | 70             | 5350                   | 5117N                        | 00235E        | 19.1         | 149.0        | GGGG                               |                     |                      | 215                     | 24                     |
| 2384-10033        | 00000/0000                   | 2-20020/1080                | 02/10/76         | 90             | 5350                   | 4953N                        | 00155E        | 20.1         | 148.2        | FGFG                               |                     |                      | 215                     | 25                     |
| 2384-10035        | 00000/0000                   | 2-20020/1081                | 02/10/76         | 100            | 5350                   | 4828N                        | 00118E        | 21.1         | 147.4        | GGGG                               |                     |                      | 215                     | 26                     |
| 2384-10094        | 00000/0000                   | 2-20020/1311                | 02/10/76         | 0              | 5350                   | 2834N                        | 00531W        | 34.2         | 135.8        | FGGF                               |                     |                      | 215                     | 40                     |
| 2384-10101        | 00000/0000                   | 2-20020/1312                | 02/10/76         | 0              | 5350                   | 2708N                        | 00555W        | 35.1         | 134.8        | FGGG                               |                     |                      | 215                     | 41                     |
| 2384-10103        | 00000/0000                   | 2-20020/1313                | 02/10/76         | 0              | 5350                   | 2543N                        | 00618W        | 35.9         | 133.8        | FFGG                               |                     |                      | 215                     | 42                     |
| 2384-10110        | 00000/0000                   | 2-20020/1314                | 02/10/76         | 0              | 5350                   | 2417N                        | 00641W        | 36.7         | 132.8        | FFFF                               |                     |                      | 215                     | 43                     |
| 2384-10112        | 00000/0000                   | 2-20020/1315                | 02/10/76         | 0              | 5350                   | 2251N                        | 00703W        | 37.5         | 131.8        | FFFF                               |                     |                      | 215                     | 44                     |
| 2384-10115        | 00000/0000                   | 2-20020/1316                | 02/10/76         | 0              | 5350                   | 2125N                        | 00726W        | 38.2         | 130.7        | FGGF                               |                     |                      | 215                     | 45                     |
| 2384-10121        | 00000/0000                   | 2-20020/1317                | 02/10/76         | 0              | 5350                   | 1958N                        | 00748W        | 39.0         | 129.6        | FGGG                               |                     |                      | 215                     | 46                     |
| 2384-10124        | 00000/0000                   | 2-20020/1318                | 02/10/76         | 0              | 5350                   | 1832N                        | 00809W        | 39.7         | 128.5        | FGGG                               |                     |                      | 215                     | 47                     |
| 2384-10130        | 00000/0000                   | 2-20020/1319                | 02/10/76         | 0              | 5350                   | 1706N                        | 00830W        | 40.4         | 127.3        | FGGG                               |                     |                      | 215                     | 48                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA<br>MODE | MSS<br>MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|----------------------------|-----------------------------|-------------------------|------------------------|
| 2384-10133        | 00000/0000                                     | 2-20020/1320     | 02/10/76       | 40              | 5350                               | 1540N                               | 00851W       | 41.0         | 126.2             | GGGG                       |                             | 215                     | 49                     |
| 2384-10135        | 00000/0000                                     | 2-20020/1321     | 02/10/76       | 30              | 5350                               | 1413N                               | 00912W       | 41.7         | 124.9             | GGGG                       |                             | 215                     | 50                     |
| 2384-10142        | 00000/0000                                     | 2-20020/1322     | 02/10/76       | 70              | 5350                               | 1247N                               | 00933W       | 42.3         | 123.7             | GGGG                       |                             | 215                     | 51                     |
| 2384-12241        | 00000/0000                                     | 2-20020/1323     | 02/10/76       | 80              | 5351                               | 7628S                               | 08524W       | 15.8         | 86.6              | GGGG                       |                             | 233                     | 115                    |
| 2384-12244        | 00000/0000                                     | 2-20020/1324     | 02/10/76       | 100             | 5351                               | 7720S                               | 08958W       | 14.7         | 90.7              | GGGF                       |                             | 233                     | 116                    |
| 2384-15131        | 00000/0000                                     | 2-20020/1243     | 02/10/76       | 100             | 5353                               | 4922N                               | 07531W       | 20.2         | 148.2             | GGFF                       |                             | 18                      | 25                     |
| 2384-15234        | 00000/0000                                     | 2-20020/1325     | 02/10/76       | 70              | 5353                               | 1412N                               | 08639W       | 41.7         | 124.8             | GGGG                       |                             | 18                      | 50                     |
| 2384-15240        | 00000/0000                                     | 2-20020/1326     | 02/10/76       | 20              | 5353                               | 1246N                               | 08659W       | 42.3         | 123.6             | GGGG                       |                             | 18                      | 51                     |
| 2384-15243        | 00000/0000                                     | 2-20020/1340     | 02/10/76       | 0               | 5353                               | 1119N                               | 08720W       | 42.9         | 122.3             | FF                         |                             | 18                      | 52                     |
| 2385-05040        | 00000/0000                                     | 2-20020/1332     | 02/11/76       | 100             | 5361                               | 3413N                               | 07206E       | 31.0         | 139.2             | GGGG                       |                             | 162                     | 36                     |
| 2385-05042        | 00000/0000                                     | 2-20020/1333     | 02/11/76       | 100             | 5361                               | 3248N                               | 07141E       | 31.8         | 138.3             | GGGG                       |                             | 162                     | 37                     |
| 2385-05060        | 00000/0000                                     | 2-20020/1334     | 02/11/76       | 60              | 5361                               | 2704N                               | 07004E       | 35.3         | 134.5             | GG G                       |                             | 162                     | 41                     |
| 2385-05063        | 00000/0000                                     | 2-20020/1335     | 02/11/76       | 20              | 5361                               | 2538N                               | 06941E       | 36.1         | 133.6             | GFG                        |                             | 162                     | 42                     |
| 2385-05065        | 00000/0000                                     | 2-20020/1336     | 02/11/76       | 0               | 5361                               | 2412N                               | 06918E       | 36.9         | 132.5             | GGGG                       |                             | 162                     | 43                     |
| 2385-05072        | 00000/0000                                     | 2-20020/1337     | 02/11/76       | 20              | 5361                               | 2247N                               | 06856E       | 37.7         | 131.5             | GGGG                       |                             | 162                     | 44                     |
| 2385-05345        | 00000/0000                                     | 2-20020/1338     | 02/11/76       | 40              | 5361                               | 7034S                               | 03125E       | 20.6         | 74.1              | GGGG                       |                             | 162                     | 110                    |
| 2385-05351        | 00000/0000                                     | 2-20020/1339     | 02/11/76       | 0               | 5361                               | 7150S                               | 02909E       | 19.6         | 75.8              | GGGF                       |                             | 162                     | 111                    |
| 2385-06553        | 00000/0000                                     | 2-20020/1502     | 02/11/76       | 10              | 5362                               | 0545N                               | 03900E       | 45.0         | 116.8             | GGGG                       |                             | 180                     | 56                     |
| 2385-06555        | 00000/0000                                     | 2-20020/1503     | 02/11/76       | 10              | 5362                               | 0420N                               | 03840E       | 45.4         | 115.4             | GGGG                       |                             | 180                     | 57                     |
| 2385-06564        | 00000/0000                                     | 2-20020/1366     | 02/11/76       | 10              | 5362                               | 0127N                               | 03800E       | 46.2         | 112.5             | GGGG                       |                             | 180                     | 59                     |
| 2385-06571        | 00000/0000                                     | 2-20020/1367     | 02/11/76       | 10              | 5362                               | 0000N                               | 03740E       | 46.5         | 111.0             | GGGG                       |                             | 180                     | 60                     |
| 2385-06573        | 00000/0000                                     | 2-20021/0099     | 02/11/76       | 20              | 5362                               | 0125S                               | 03720E       | 46.8         | 109.5             | GGFG                       |                             | 180                     | 61                     |
| 2385-06580        | 00000/0000                                     | 2-20021/0100     | 02/11/76       | 40              | 5362                               | 0251S                               | 03700E       | 47.0         | 107.9             | GGFF                       |                             | 180                     | 62                     |
| 2385-07044        | 00000/0000                                     | 2-20021/0101     | 02/11/76       | 100             | 5362                               | 2552S                               | 03121E       | 45.6         | 84.1              | GFFG                       |                             | 180                     | 78                     |
| 2385-07050        | 00000/0000                                     | 2-20021/0102     | 02/11/76       | 100             | 5362                               | 2718S                               | 03057E       | 45.1         | 82.8              | GGGG                       |                             | 180                     | 79                     |
| 2385-08250        | 00000/0000                                     | 2-20021/0103     | 02/11/76       | 0               | 5363                               | 5251N                               | 02746E       | 18.2         | 149.9             | GGGG                       |                             | 198                     | 23                     |
| 2385-08253        | 00000/0000                                     | 2-20021/0104     | 02/11/76       | 0               | 5363                               | 5127N                               | 02704E       | 19.3         | 149.0             | GGFF                       |                             | 198                     | 24                     |
| 2385-08255        | 00000/0000                                     | 2-20021/0105     | 02/11/76       | 10              | 5363                               | 5003N                               | 02624E       | 20.3         | 148.2             | GGFG                       |                             | 198                     | 25                     |
| 2385-08335        | 00000/0000                                     | 2-20021/0106     | 02/11/76       | 80              | 5363                               | 2311N                               | 01723E       | 37.6         | 131.6             | FFFF                       |                             | 198                     | 44                     |
| 2385-08341        | 00000/0000                                     | 2-20021/0107     | 02/11/76       | 20              | 5363                               | 2134N                               | 01701E       | 38.3         | 130.5             | GGFF                       |                             | 198                     | 45                     |
| 2385-08344        | 00000/0000                                     | 2-20021/0108     | 02/11/76       | 70              | 5363                               | 2007N                               | 01639E       | 39.1         | 129.4             | GGFP                       |                             | 198                     | 46                     |
| 2385-08353        | 00000/0000                                     | 2-20020/1387     | 02/11/76       | 0               | 5363                               | 1716N                               | 01555E       | 40.5         | 127.2             | GGG                        |                             | 198                     | 48                     |
| 2385-08355        | 00000/0000                                     | 2-20020/1388     | 02/11/76       | 0               | 5363                               | 1550N                               | 01534E       | 41.1         | 126.0             | GGGG                       |                             | 198                     | 49                     |
| 2385-08362        | 00000/0000                                     | 2-20020/1389     | 02/11/76       | 0               | 5363                               | 1424N                               | 01514E       | 41.8         | 124.7             | GGGG                       |                             | 198                     | 50                     |
| 2385-08364        | 00000/0000                                     | 2-20020/1390     | 02/11/76       | 10              | 5363                               | 1258N                               | 01453E       | 42.4         | 123.5             | GGGG                       |                             | 198                     | 51                     |
| 2385-08371        | 00000/0000                                     | 2-20020/1391     | 02/11/76       | 30              | 5363                               | 1132N                               | 01432E       | 43.0         | 122.2             | GGGG                       |                             | 198                     | 52                     |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=9 AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NR./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|--------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2385-08373        | 00000/0000                           | 2-20020/1392                         | 02/11/76         | 60             | 5363            | 1005N                              | 01411E                              | 43.5         | 120.9        | FGGG                  |                     |                      | 198                     | 53                     |
| 2385-08380        | 00000/0000                           | 2-20020/1393                         | 02/11/76         | 90             | 5363            | 0838N                              | 01351E                              | 44.1         | 119.6        | GGGF                  |                     |                      | 198                     | 54                     |
| 2385-10073        | 00000/0000                           | 2-20020/1394                         | 02/11/76         | 70             | 5364            | 5538N                              | 00329E                              | 16.2         | 151.6        | GGGG                  |                     |                      | 216                     | 21                     |
| 2385-10075        | 00000/0000                           | 2-20020/1395                         | 02/11/76         | 60             | 5364            | 5414N                              | 00243E                              | 17.2         | 150.7        | GGGG                  |                     |                      | 216                     | 22                     |
| 2385-10082        | 00000/0000                           | 2-20020/1396                         | 02/11/76         | 40             | 5364            | 5250N                              | 00158E                              | 18.3         | 149.8        | GGGG                  |                     |                      | 216                     | 23                     |
| 2385-10084        | 00000/0000                           | 2-20020/1397                         | 02/11/76         | 20             | 5364            | 5126N                              | 00114E                              | 19.3         | 149.0        | GGGG                  |                     |                      | 216                     | 24                     |
| 2385-10091        | 00000/0000                           | 2-20020/1398                         | 02/11/76         | 30             | 5364            | 5002N                              | 00034E                              | 20.3         | 148.2        | GGGG                  |                     |                      | 216                     | 25                     |
| 2385-10093        | 00000/0000                           | 2-20020/1399                         | 02/11/76         | 90             | 5364            | 4838N                              | 00004W                              | 21.3         | 147.4        | GGGG                  |                     |                      | 216                     | 26                     |
| 2385-10134        | 00000/0000                           | 2-20020/1400                         | 02/11/76         | 70             | 5364            | 3426N                              | 00513W                              | 30.9         | 139.2        | GGGG                  |                     |                      | 216                     | 36                     |
| 2385-10141        | 00000/0000                           | 2-20020/1401                         | 02/11/76         | 10             | 5364            | 3301N                              | 00539W                              | 31.8         | 138.4        | GGGG                  |                     |                      | 216                     | 37                     |
| 2385-10143        | 00000/0000                           | 2-20020/1402                         | 02/11/76         | 0              | 5364            | 3135N                              | 00405W                              | 32.7         | 137.5        | GGGG                  |                     |                      | 216                     | 38                     |
| 2385-10150        | 00000/0000                           | 2-20020/1403                         | 02/11/76         | 0              | 5364            | 3010N                              | 00630W                              | 33.5         | 136.5        | GGGG                  |                     |                      | 216                     | 39                     |
| 2385-10152        | 00000/0000                           | 2-20020/1404                         | 02/11/76         | 0              | 5364            | 2844N                              | 00655W                              | 34.4         | 135.6        | GGGG                  |                     |                      | 216                     | 40                     |
| 2385-10155        | 00000/0000                           | 2-20020/1405                         | 02/11/76         | 0              | 5364            | 2718N                              | 00719W                              | 35.2         | 134.6        | GGGG                  |                     |                      | 216                     | 41                     |
| 2385-10161        | 00000/0000                           | 2-20020/1406                         | 02/11/76         | 0              | 5364            | 2552N                              | 00742W                              | 36.0         | 133.6        | GGGG                  |                     |                      | 216                     | 42                     |
| 2385-10164        | 00000/0000                           | 2-20020/1407                         | 02/11/76         | 0              | 5364            | 2426N                              | 00805W                              | 36.8         | 132.6        | GGGG                  |                     |                      | 216                     | 43                     |
| 2385-10170        | 00000/0000                           | 2-20020/1408                         | 02/11/76         | 0              | 5364            | 2300N                              | 00827W                              | 37.6         | 131.6        | GGGG                  |                     |                      | 216                     | 44                     |
| 2385-10173        | 00000/0000                           | 2-20020/1409                         | 02/11/76         | 0              | 5364            | 2134N                              | 00850W                              | 38.3         | 130.5        | FFFF                  |                     |                      | 216                     | 45                     |
| 2385-10175        | 00000/0000                           | 2-20021/0083                         | 02/11/76         | 100            | 5364            | 2008N                              | 00911W                              | 39.1         | 129.4        | FGFF                  |                     |                      | 216                     | 46                     |
| 2385-10182        | 00000/0000                           | 2-20021/0084                         | 02/11/76         | 70             | 5364            | 1842N                              | 00933W                              | 39.8         | 128.3        | GGGG                  |                     |                      | 216                     | 47                     |
| 2385-10184        | 00000/0000                           | 2-20021/0085                         | 02/11/76         | 60             | 5364            | 1715N                              | 00954W                              | 40.5         | 127.1        | FGGG                  |                     |                      | 216                     | 48                     |
| 2385-10202        | 00000/0000                           | 2-20021/0086                         | 02/11/76         | 80             | 5364            | 1170N                              | 01117W                              | 43.0         | 122.2        | GGGG                  |                     |                      | 216                     | 52                     |
| 2385-10205        | 00000/0000                           | 2-20021/0087                         | 02/11/76         | 70             | 5364            | 1004N                              | 01137W                              | 43.5         | 120.9        | FGGG                  |                     |                      | 216                     | 53                     |
| 2385-15185        | 00000/0000                           | 2-20020/1438                         | 02/11/76         | 30             | 5367            | 5001N                              | 07654W                              | 20.4         | 148.2        | GGGG                  |                     |                      | 19                      | 25                     |
| 2385-15292        | 00000/0000                           | 2-20021/0088                         | 02/11/76         | 20             | 5367            | 1421N                              | 08803W                              | 41.8         | 124.6        | FGFF                  |                     |                      | 19                      | 50                     |
| 2385-15294        | 00000/0000                           | 2-20021/0089                         | 02/11/76         | 0              | 5367            | 1255N                              | 08824W                              | 42.4         | 123.4        | FGGF                  |                     |                      | 19                      | 51                     |
| 2386-01435        | 00000/0000                           | 2-20021/0090                         | 02/12/76         | 30             | 5373            | 3135N                              | 12134E                              | 32.8         | 137.3        | FFFF                  |                     |                      | 127                     | 38                     |
| 2386-01442        | 00000/0000                           | 2-20021/0091                         | 02/12/76         | 40             | 5373            | 3010N                              | 12109E                              | 33.7         | 136.4        | FGGG                  |                     |                      | 127                     | 39                     |
| 2386-03283        | 00000/0000                           | 2-20021/0092                         | 02/12/76         | 20             | 5374            | 2718N                              | 09431E                              | 35.4         | 134.4        | GGGF                  |                     |                      | 145                     | 41                     |
| 2386-03321        | 00000/0000                           | 2-20021/0093                         | 02/12/76         | 20             | 5374            | 1422N                              | 09114E                              | 41.9         | 124.4        | FFFF                  |                     |                      | 145                     | 50                     |
| 2386-03324        | 00000/0000                           | 2-20021/0094                         | 02/12/76         | 30             | 5374            | 1256N                              | 09053E                              | 42.5         | 123.2        | GGGG                  |                     |                      | 145                     | 51                     |
| 2386-03330        | 00000/0000                           | 2-20021/0095                         | 02/12/76         | 40             | 5374            | 1129N                              | 09033E                              | 43.1         | 121.9        | GGGG                  |                     |                      | 145                     | 52                     |
| 2386-03333        | 00000/0000                           | 2-20021/0096                         | 02/12/76         | 50             | 5374            | 1003N                              | 09012E                              | 43.6         | 120.6        | GGGG                  |                     |                      | 145                     | 53                     |
| 2386-03335        | 00000/0000                           | 2-20021/0097                         | 02/12/76         | 40             | 5374            | 0847N                              | 08952E                              | 44.2         | 119.2        | GGGG                  |                     |                      | 145                     | 54                     |
| 2386-03342        | 00000/0000                           | 2-20021/0098                         | 02/12/76         | 40             | 5374            | 0712N                              | 08932E                              | 44.7         | 117.8        | GGGG                  |                     |                      | 145                     | 55                     |
| 2386-05400        | 00000/0000                           | 2-20021/0109                         | 02/12/76         | 60             | 5375            | 6907S                              | 03217E                              | 21.4         | 72.4         | FGFF                  |                     |                      | 163                     | 109                    |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FR 54 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. AZIM. | IMAGE-QUAL<br>RBV MSS DATA<br>123 45678 MBOE | MSS<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|-----------------------------------------|--------------------|----------------------------------------------|-------------|-------------------------|------------------------|
| 2386-05403        | 00000/0000                   | 2-20021/0110                | 02/12/76         | 60             | 5377                   | 7024S                                   | 03017E             | 20.4 73.8                                    | GGGF        | 163                     | 110                    |
| 2386-05405        | 00000/0000                   | 2-20021/0111                | 02/12/76         | 80             | 5375                   | 7140S                                   | 02403E             | 19.4 75.5                                    | GFGG        | 163                     | 111                    |
| 2386-07000        | 00000/0000                   | 2-20020/1368                | 02/12/76         | 10             | 5376                   | 1003N                                   | 03434E             | 43.7 120.5                                   | GGGG        | 181                     | 53                     |
| 2386-07002        | 00000/0000                   | 2-20020/1369                | 02/12/76         | 7              | 5376                   | 0838N                                   | 03413E             | 44.2 119.2                                   | FGGG        | 181                     | 54                     |
| 2386-07005        | 00000/0000                   | 2-20020/1370                | 02/12/76         | 10             | 5376                   | 0712N                                   | 03754E             | 44.7 117.8                                   | GGGG        | 181                     | 55                     |
| 2386-07011        | 00000/0000                   | 2-20020/1371                | 02/12/76         | 50             | 5376                   | 0545N                                   | 03734E             | 45.1 116.4                                   | GGGG        | 181                     | 56                     |
| 2386-07014        | 00000/0000                   | 2-20020/1372                | 02/12/76         | 50             | 5376                   | 0419N                                   | 03714E             | 45.5 114.9                                   | GGGG        | 181                     | 57                     |
| 2386-07020        | 00000/0000                   | 2-20020/1373                | 02/12/76         | 20             | 5376                   | 0252N                                   | 03655E             | 45.9 113.5                                   | GGGG        | 181                     | 58                     |
| 2386-07025        | 00000/0000                   | 2-20020/1374                | 02/12/76         | 10             | 5376                   | 0000N                                   | 03614E             | 46.6 110.5                                   | FGGG        | 181                     | 60                     |
| 2386-07032        | 00000/0000                   | 2-20020/1375                | 02/12/76         | 10             | 5376                   | 0126S                                   | 03554E             | 46.9 109.0                                   | FGGG        | 181                     | 61                     |
| 2386-07034        | 00000/0000                   | 2-20020/1376                | 02/12/76         | 20             | 5376                   | 0252S                                   | 03533E             | 47.1 107.5                                   | GGGG        | 181                     | 62                     |
| 2386-07102        | 00000/0000                   | 2-20020/1377                | 02/12/76         | 90             | 5376                   | 2554S                                   | 02956E             | 45.4 83.6                                    | FFFF        | 181                     | 74                     |
| 2386-07105        | 00000/0000                   | 2-20020/1378                | 02/12/76         | 90             | 5376                   | 2719S                                   | 02932E             | 45.0 82.4                                    | GGGG        | 181                     | 79                     |
| 2386-08302        | 00000/0000                   | 2-20020/1379                | 02/12/76         | 10             | 5377                   | 5414N                                   | 02704E             | 17.5 150.6                                   | GGGG        | 199                     | 22                     |
| 2386-08304        | 00000/0000                   | 2-20020/1380                | 02/12/76         | 0              | 5377                   | 5250N                                   | 02620E             | 18.6 149.7                                   | FFFF        | 199                     | 23                     |
| 2386-08311        | 00000/0000                   | 2-20020/1381                | 02/12/76         | 0              | 5377                   | 5126N                                   | 02538E             | 19.6 148.9                                   | GGGG        | 199                     | 24                     |
| 2386-08313        | 00000/0000                   | 2-20020/1382                | 02/12/76         | 10             | 5377                   | 5002N                                   | 02457E             | 20.6 148.1                                   | GGGG        | 199                     | 25                     |
| 2386-08320        | 00000/0000                   | 2-20020/1383                | 02/12/76         | 10             | 5377                   | 4838N                                   | 02419E             | 21.6 147.3                                   | GGGG        | 199                     | 26                     |
| 2386-08322        | 00000/0000                   | 2-20020/1384                | 02/12/76         | 10             | 5377                   | 4713N                                   | 02342E             | 22.6 146.5                                   | GGGG        | 199                     | 27                     |
| 2386-08390        | 00000/0000                   | 2-20020/1385                | 02/12/76         | 0              | 5377                   | 2425N                                   | 01418E             | 37.0 132.4                                   | FGGG        | 199                     | 43                     |
| 2386-08393        | 00000/0000                   | 2-20020/1386                | 02/12/76         | 0              | 5377                   | 2300N                                   | 01555E             | 37.8 131.3                                   | GGGG        | 199                     | 44                     |
| 2386-08395        | 00000/0000                   | 2-20020/1488                | 02/12/76         | 0              | 5377                   | 2134N                                   | 01533E             | 38.6 130.2                                   | FGGG        | 199                     | 45                     |
| 2386-08402        | 00000/0000                   | 2-20020/1489                | 02/12/76         | 0              | 5377                   | 2007N                                   | 01511E             | 39.3 129.1                                   | FGGG        | 199                     | 46                     |
| 2386-08404        | 00000/0000                   | 2-20020/1490                | 02/12/76         | 0              | 5377                   | 1842N                                   | 01449E             | 40.0 128.0                                   | FFGG        | 199                     | 47                     |
| 2386-08411        | 00000/0000                   | 2-20020/1491                | 02/12/76         | 0              | 5377                   | 1715N                                   | 01428E             | 40.7 126.8                                   | GFGG        | 199                     | 48                     |
| 2386-08413        | 00000/0000                   | 2-20020/1492                | 02/12/76         | 0              | 5377                   | 1549N                                   | 01407E             | 41.3 125.6                                   | GFGG        | 199                     | 49                     |
| 2386-08420        | 00000/0000                   | 2-20020/1493                | 02/12/76         | 0              | 5377                   | 1423N                                   | 01346E             | 42.0 124.4                                   | GGGG        | 199                     | 50                     |
| 2386-08422        | 00000/0000                   | 2-20020/1293                | 02/12/76         | 0              | 5377                   | 1256N                                   | 01326E             | 42.6 123.1                                   | FFFF        | 199                     | 51                     |
| 2386-10122        | 00000/0000                   | 2-20020/1294                | 02/12/76         | 70             | 5378                   | 5823N                                   | 00347E             | 14.5 153.3                                   | GGGG        | 217                     | 19                     |
| 2386-10124        | 00000/0000                   | 2-20020/1295                | 02/12/76         | 100            | 5378                   | 5700N                                   | 00253E             | 15.5 152.3                                   | FGGG        | 217                     | 20                     |
| 2386-10131        | 00000/0000                   | 2-20020/1296                | 02/12/76         | 100            | 5378                   | 5537N                                   | 00203E             | 16.5 151.4                                   | GGGG        | 217                     | 21                     |
| 2386-10133        | 00000/0000                   | 2-20020/1297                | 02/12/76         | 90             | 5378                   | 5413N                                   | 00115E             | 17.6 150.6                                   | GGGG        | 217                     | 22                     |
| 2386-10140        | 00000/0000                   | 2-20020/1298                | 02/12/76         | 100            | 5378                   | 5249N                                   | 00031E             | 18.6 149.7                                   | GGGG        | 217                     | 23                     |
| 2386-10142        | 00000/0000                   | 2-20020/1299                | 02/12/76         | 100            | 5378                   | 5125N                                   | 00011W             | 19.6 148.9                                   | GGGG        | 217                     | 24                     |
| 2386-10145        | 00000/0000                   | 2-20020/1300                | 02/12/76         | 100            | 5378                   | 5000N                                   | 00051W             | 20.6 148.1                                   | FFGG        | 217                     | 25                     |
| 2386-10151        | 00000/0000                   | 2-20020/1301                | 02/12/76         | 100            | 5378                   | 4846N                                   | 00129W             | 21.6 147.3                                   | GGGG        | 217                     | 26                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 26, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI NO./<br>POSITION IN RELI<br>RRV | DATE<br>ACQUIRED | CLOUD COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | SUN<br>FLEV. AZIM. | IMAGE-QUAL<br>RRV MSS DATA<br>123 45678 MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |     |
|-------------------|------------------------------------------------|------------------|-------------|------------------------|------------------------------------|--------------------|----------------------------------------------|----------------------|-------------------------|------------------------|-----|
| 2386-10195        | 00000/0000                                     | 2-20020/1302     | 02/12/76    | 80                     | 5378                               | 3300N              | 00705W                                       | 32.1 138.1           | FGGG                    | 217                    | 37  |
| 2386-10201        | 00000/0000                                     | 2-20020/1303     | 02/12/76    | 60                     | 5378                               | 3135N              | 00731W                                       | 32.9 137.2           | GGGG                    | 217                    | 38  |
| 2386-10204        | 00000/0000                                     | 2-20020/1304     | 02/12/76    | 10                     | 5378                               | 3049N              | 00756W                                       | 33.8 136.3           | GGGG                    | 217                    | 39  |
| 2386-10210        | 00000/0000                                     | 2-20020/1305     | 02/12/76    | 0                      | 5378                               | 2843N              | 00820W                                       | 34.6 135.3           | GGGG                    | 217                    | 40  |
| 2386-10213        | 00000/0000                                     | 2-20020/1306     | 02/12/76    | 40                     | 5378                               | 2717N              | 00844W                                       | 35.5 134.4           | FGGG                    | 217                    | 41  |
| 2386-10215        | 00000/0000                                     | 2-20020/1307     | 02/12/76    | 50                     | 5378                               | 2551N              | 00907W                                       | 36.3 133.4           | GGGG                    | 217                    | 42  |
| 2386-10222        | 00000/0000                                     | 2-20020/1308     | 02/12/76    | 90                     | 5378                               | 2425N              | 00930W                                       | 37.1 132.3           | GGGG                    | 217                    | 43  |
| 2386-10224        | 00000/0000                                     | 2-20020/1309     | 02/12/76    | 60                     | 5378                               | 2259N              | 00953W                                       | 37.8 131.3           | GGGG                    | 217                    | 44  |
| 2386-15244        | 00000/0000                                     | 2-20020/1310     | 02/12/76    | 40                     | 5381                               | 5004N              | 07820W                                       | 20.7 148.1           | GGFR                    | 20                     | 25  |
| 2386-15330        | 00000/0000                                     | 2-20020/1494     | 02/12/76    | 10                     | 5381                               | 2136N              | 08741W                                       | 38.6 130.2           | GGGG                    | 20                     | 45  |
| 2386-15332        | 00000/0000                                     | 2-20020/1495     | 02/12/76    | 10                     | 5381                               | 2010N              | 08803W                                       | 39.3 129.0           | GGGR                    | 20                     | 46  |
| 2386-15335        | 00000/0000                                     | 2-20020/1496     | 02/12/76    | 30                     | 5381                               | 1844N              | 08824W                                       | 40.0 127.9           | GFFG                    | 20                     | 47  |
| 2386-15341        | 00000/0000                                     | 2-20020/1497     | 02/12/76    | 70                     | 5381                               | 1717N              | 08846W                                       | 40.7 126.7           | GGGG                    | 20                     | 48  |
| 2386-15344        | 00000/0000                                     | 2-20020/1498     | 02/12/76    | 30                     | 5381                               | 1551N              | 08907W                                       | 41.4 125.5           | GGGG                    | 20                     | 49  |
| 2386-15350        | 00000/0000                                     | 2-20020/1499     | 02/12/76    | 40                     | 5381                               | 1425N              | 08928W                                       | 42.0 124.3           | GGGG                    | 20                     | 50  |
| 2386-15353        | 00000/0000                                     | 2-20020/1500     | 02/12/76    | 10                     | 5381                               | 1258N              | 08948W                                       | 42.6 123.0           | FFGG                    | 20                     | 51  |
| 2387-05364        | 00000/0000                                     | 2-20020/1501     | 02/13/76    | 10                     | 5388                               | 1840N              | 09051E                                       | 40.2 127.7           | FFFF                    | 146                    | 47  |
| 2387-05454        | 00000/0000                                     | 2-20020/1504     | 02/13/76    | 70                     | 5389                               | 6908S              | 03052E                                       | 21.1 72.3            | GGGG                    | 164                    | 109 |
| 2387-05461        | 00000/0000                                     | 2-20020/1505     | 02/13/76    | 20                     | 5389                               | 7024S              | 02852E                                       | 20.1 73.7            | GGFR                    | 164                    | 110 |
| 2387-06590        | 00000/0000                                     | 2-20020/1354     | 02/13/76    | 10                     | 5390                               | 3300N              | 04305E                                       | 32.3 137.9           | GGGG                    | 182                    | 37  |
| 2387-07052        | 00000/0000                                     | 2-20020/1355     | 02/13/76    | 10                     | 5390                               | 1190N              | 03728E                                       | 43.3 121.4           | FFGG                    | 182                    | 52  |
| 2387-07054        | 00000/0000                                     | 2-20020/1356     | 02/13/76    | 10                     | 5390                               | 1044N              | 03708E                                       | 43.8 120.1           | GGGG                    | 182                    | 53  |
| 2387-07061        | 00000/0000                                     | 2-20020/1357     | 02/13/76    | 10                     | 5390                               | 0878N              | 03648E                                       | 44.3 118.7           | GGGG                    | 182                    | 54  |
| 2387-07063        | 00000/0000                                     | 2-20020/1358     | 02/13/76    | 70                     | 5390                               | 0711N              | 03628E                                       | 44.8 117.3           | GGGG                    | 182                    | 55  |
| 2387-07070        | 00000/0000                                     | 2-20020/1359     | 02/13/76    | 50                     | 5390                               | 0545N              | 03608E                                       | 45.3 115.9           | GGGR                    | 182                    | 56  |
| 2387-07072        | 00000/0000                                     | 2-20020/1360     | 02/13/76    | 40                     | 5390                               | 0419N              | 03547E                                       | 45.7 114.5           | GGGG                    | 182                    | 57  |
| 2387-07075        | 00000/0000                                     | 2-20020/1361     | 02/13/76    | 30                     | 5390                               | 0252N              | 03527E                                       | 46.0 113.0           | GGGG                    | 182                    | 58  |
| 2387-07081        | 00000/0000                                     | 2-20020/1362     | 02/13/76    | 20                     | 5390                               | 0125N              | 03507E                                       | 46.4 111.5           | GGGG                    | 182                    | 59  |
| 2387-07084        | 00000/0000                                     | 2-20020/1363     | 02/13/76    | 10                     | 5390                               | 0015N              | 03447E                                       | 46.7 110.0           | GGGR                    | 182                    | 60  |
| 2387-07090        | 00000/0000                                     | 2-20020/1439     | 02/13/76    | 40                     | 5390                               | 0126S              | 03427E                                       | 46.9 108.5           | GGGR                    | 182                    | 61  |
| 2387-07170        | 00000/0000                                     | 2-20020/1440     | 02/13/76    | 30                     | 5390                               | 2846S              | 02742E                                       | 44.4 80.7            | GFFG                    | 182                    | 80  |
| 2387-07172        | 00000/0000                                     | 2-20020/1441     | 02/13/76    | 40                     | 5390                               | 3012S              | 02717E                                       | 43.9 79.5            | GGGG                    | 182                    | 81  |
| 2387-08372        | 00000/0000                                     | 2-20020/1442     | 02/13/76    | 50                     | 5391                               | 5011N              | 02330E                                       | 20.9 147.9           | FFGG                    | 200                    | 25  |
| 2387-08424        | 00000/0000                                     | 2-20020/1443     | 02/13/76    | 50                     | 5391                               | 3135N              | 01651E                                       | 33.2 137.0           | GFFG                    | 200                    | 38  |
| 2387-08442        | 00000/0000                                     | 2-20020/1444     | 02/13/76    | 10                     | 5391                               | 2551N              | 01514E                                       | 36.5 133.1           | FFFF                    | 200                    | 42  |
| 2387-08445        | 00000/0000                                     | 2-20020/1445     | 02/13/76    | 0                      | 5391                               | 2425N              | 01452E                                       | 37.3 132.0           | FGGG                    | 200                    | 43  |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|------------------|----------------------|-------------------------|------------------------|
| 2387-08451        | 00000/0000 2-20020/1446                        | 02/13/76         | 10                    | 5391                               | 2259N                               | 01429E       | 38.0         | 131.0                 | GFGG             |                      | 200                     | 44                     |
| 2387-08454        | 00000/0000 2-20020/1447                        | 02/13/76         | 10                    | 5391                               | 2133N                               | 01408E       | 38.8         | 129.9                 | GGGG             |                      | 200                     | 45                     |
| 2387-08460        | 00000/0000 2-20020/1448                        | 02/13/76         | 10                    | 5391                               | 2007N                               | 01346E       | 39.5         | 128.8                 | GGGG             |                      | 200                     | 46                     |
| 2387-08463        | 00000/0000 2-20020/1449                        | 02/13/76         | 10                    | 5391                               | 1841N                               | 01324E       | 40.2         | 127.6                 | FFGG             |                      | 200                     | 47                     |
| 2387-08465        | 00000/0000 2-20020/1450                        | 02/13/76         | 10                    | 5391                               | 1714N                               | 01303E       | 40.9         | 126.4                 | GGGG             |                      | 200                     | 48                     |
| 2387-08472        | 00000/0000 2-20020/1451                        | 02/13/76         | 10                    | 5391                               | 1548N                               | 01241E       | 41.5         | 125.2                 | FGGG             |                      | 200                     | 49                     |
| 2387-08474        | 00000/0000 2-20020/1452                        | 02/13/76         | 40                    | 5391                               | 1422N                               | 01220E       | 42.2         | 124.0                 | GGFG             |                      | 200                     | 50                     |
| 2387-08481        | 00000/0000 2-20020/1453                        | 02/13/76         | 10                    | 5391                               | 1256N                               | 01159E       | 42.8         | 122.7                 | GFGG             |                      | 200                     | 51                     |
| 2387-08483        | 00000/0000 2-20020/1454                        | 02/13/76         | 20                    | 5391                               | 1130N                               | 01139E       | 43.3         | 121.4                 | FFGG             |                      | 200                     | 52                     |
| 2387-08490        | 00000/0000 2-20020/1455                        | 02/13/76         | 10                    | 5391                               | 1003N                               | 01119E       | 43.9         | 120.1                 | GFGG             |                      | 200                     | 53                     |
| 2387-08492        | 00000/0000 2-20020/1456                        | 02/13/76         | 50                    | 5391                               | 0837N                               | 01058E       | 44.4         | 118.7                 | GFGG             |                      | 200                     | 54                     |
| 2387-08495        | 00000/0000 2-20020/1457                        | 02/13/76         | 90                    | 5391                               | 0710N                               | 01038E       | 44.8         | 117.3                 | GFGG             |                      | 200                     | 55                     |
| 2387-10174        | 00000/0000 2-20020/1458                        | 02/13/76         | 10                    | 5392                               | 5948N                               | 00319E       | 13.7         | 154.2                 | FFFF             |                      | 218                     | 18                     |
| 2387-10180        | 00000/0000 2-20020/1459                        | 02/13/76         | 10                    | 5392                               | 5825N                               | 00222E       | 14.8         | 153.2                 | GFGG             |                      | 218                     | 19                     |
| 2387-10183        | 00000/0000 2-20020/1460                        | 02/13/76         | 20                    | 5392                               | 5702N                               | 00128E       | 15.8         | 152.3                 | GFFG             |                      | 218                     | 20                     |
| 2387-10185        | 00000/0000 2-20020/1344                        | 02/13/76         | 80                    | 5392                               | 5539N                               | 00038E       | 16.8         | 151.4                 | F                |                      | 218                     | 21                     |
| 2387-10192        | 00000/0000 2-20020/1345                        | 02/13/76         | 80                    | 5392                               | 5415N                               | 00008W       | 17.9         | 150.5                 | FGGG             |                      | 218                     | 22                     |
| 2387-10194        | 00000/0000 2-20020/1346                        | 02/13/76         | 90                    | 5392                               | 5251N                               | 00053W       | 18.9         | 149.6                 | FGGG             |                      | 218                     | 23                     |
| 2387-10201        | 00000/0000 2-20020/1347                        | 02/13/76         | 100                   | 5392                               | 5127N                               | 00135W       | 19.9         | 148.8                 | FGGG             |                      | 218                     | 24                     |
| 2387-10203        | 00000/0000 2-20020/1348                        | 02/13/76         | 90                    | 5392                               | 5003N                               | 00216W       | 20.9         | 148.0                 | FGGG             |                      | 218                     | 25                     |
| 2387-15302        | 00000/0000 2-20020/1272                        | 02/13/76         | 50                    | 5395                               | 5003N                               | 07945W       | 21.0         | 147.9                 | GGGG             |                      | 21                      | 25                     |
| 2387-17122        | 00000/0000 2-20020/1410                        | 02/13/76         | 10                    | 5396                               | 5415N                               | 10327W       | 18.0         | 150.4                 | GGG              |                      | 39                      | 22                     |
| 2387-17125        | 00000/0000 2-20020/1411                        | 02/13/76         | 20                    | 5396                               | 5252N                               | 10411W       | 19.0         | 149.6                 | FGGG             |                      | 39                      | 23                     |
| 2387-17131        | 00000/0000 2-20020/1412                        | 02/13/76         | 10                    | 5396                               | 5128N                               | 10454W       | 20.0         | 148.7                 | GGGG             |                      | 39                      | 24                     |
| 2387-21053        | 00000/0000 2-20020/1349                        | 02/13/76         | 70                    | 5398                               | 3717S                               | 17838E       | 40.8         | 74.2                  | FGG              |                      | 75                      | 86                     |
| 2387-21060        | 00000/0000 2-20020/1350                        | 02/13/76         | 80                    | 5398                               | 3842S                               | 17810E       | 40.1         | 73.3                  | GGGG             |                      | 75                      | 87                     |
| 2388-01573        | 00000/0000 2-20020/1351                        | 02/14/76         | 60                    | 5401                               | 2424N                               | 11441E       | 37.5         | 131.8                 | GGGG             |                      | 129                     | 43                     |
| 2388-01575        | 00000/0000 2-20020/1352                        | 02/14/76         | 70                    | 5401                               | 2258N                               | 11619E       | 38.2         | 130.8                 | FFFF             |                      | 129                     | 44                     |
| 2388-03402        | 00000/0000 2-20020/1353                        | 02/14/76         | 80                    | 5402                               | 2550N                               | 09114E       | 36.7         | 132.9                 | GGGG             |                      | 147                     | 42                     |
| 2388-05515        | 00000/0000 2-20020/1364                        | 02/14/76         | 10                    | 5403                               | 7027S                               | 02719E       | 19.8         | 73.6                  | GGGF             |                      | 165                     | 110                    |
| 2388-05522        | 00000/0000 2-20020/1365                        | 02/14/76         | 10                    | 5403                               | 7142S                               | 02505E       | 18.7         | 75.3                  | GFGF             |                      | 165                     | 111                    |
| 2388-07124        | 00000/0000 2-20020/1553                        | 02/14/76         | 30                    | 5404                               | 0542N                               | 03441E       | 45.4         | 115.5                 | GGGG             |                      | 183                     | 56                     |
| 2388-07130        | 00000/0000 2-20020/1554                        | 02/14/76         | 10                    | 5404                               | 0415N                               | 03421E       | 45.8         | 114.0                 | GGGG             |                      | 183                     | 57                     |
| 2388-07133        | 00000/0000 2-20020/1555                        | 02/14/76         | 20                    | 5404                               | 0250N                               | 03400E       | 46.1         | 112.5                 | GGGG             |                      | 183                     | 58                     |
| 2388-07135        | 00000/0000 2-20020/1556                        | 02/14/76         | 40                    | 5404                               | 0124N                               | 03340E       | 46.5         | 111.0                 | GGGG             |                      | 183                     | 59                     |
| 2388-07142        | 00000/0000 2-20020/1557                        | 02/14/76         | 70                    | 5404                               | 0002S                               | 03320E       | 46.8         | 109.5                 | GGGG             |                      | 183                     | 60                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBY | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2388-08403        | 00000/0000                   | 2-20020/1558                | 02/14/76         | 20             | 5405                | 5825N                                   | 02643E       | 15.1         | 153.1                              | GGGG                |                      | 201                     | 19                     |
| 2388-08405        | 00000/0000                   | 2-20020/1559                | 02/14/76         | 40             | 5405                | 5772N                                   | 02549E       | 16.1         | 152.2                              | GGGG                |                      | 201                     | 20                     |
| 2388-08412        | 00000/0000                   | 2-20020/1560                | 02/14/76         | 50             | 5405                | 5539N                                   | 02459E       | 17.1         | 151.3                              | GGGG                |                      | 201                     | 21                     |
| 2388-08480        | 00000/0000                   | 2-20020/1561                | 02/14/76         | 17             | 5405                | 3303N                                   | 01550E       | 32.6         | 137.7                              | GGGG                |                      | 201                     | 37                     |
| 2388-08482        | 00000/0000                   | 2-20020/1562                | 02/14/76         | 0              | 5405                | 3138N                                   | 01525E       | 33.4         | 136.8                              | GGGG                |                      | 201                     | 38                     |
| 2388-08485        | 00000/0000                   | 2-20020/1563                | 02/14/76         | 0              | 5405                | 3012N                                   | 01500E       | 34.3         | 135.8                              | GGGG                |                      | 201                     | 39                     |
| 2388-08491        | 00000/0000                   | 2-20020/1564                | 02/14/76         | 0              | 5405                | 2846N                                   | 01435E       | 35.1         | 134.9                              | GGGG                |                      | 201                     | 40                     |
| 2388-08494        | 00000/0000                   | 2-20020/1565                | 02/14/76         | 20             | 5405                | 2720N                                   | 01412E       | 35.9         | 133.9                              | GGGG                |                      | 201                     | 41                     |
| 2388-08500        | 00000/0000                   | 2-20020/1566                | 02/14/76         | 20             | 5405                | 2554N                                   | 01349E       | 36.7         | 132.8                              | GGGG                |                      | 201                     | 42                     |
| 2388-08503        | 00000/0000                   | 2-20020/1567                | 02/14/76         | 40             | 5405                | 2428N                                   | 01326E       | 37.5         | 131.8                              | GGGG                |                      | 201                     | 43                     |
| 2388-08505        | 00000/0000                   | 2-20020/1568                | 02/14/76         | 40             | 5405                | 2302N                                   | 01303E       | 38.3         | 130.7                              | GGGG                |                      | 201                     | 44                     |
| 2388-08514        | 00000/0000                   | 2-20020/1507                | 02/14/76         | 80             | 5405                | 2009N                                   | 01219E       | 39.7         | 128.5                              | GGGF                |                      | 201                     | 46                     |
| 2388-08521        | 00000/0000                   | 2-20020/1508                | 02/14/76         | 80             | 5405                | 1843N                                   | 01158E       | 40.4         | 127.3                              | GFGG                |                      | 201                     | 47                     |
| 2388-08523        | 00000/0000                   | 2-20020/1509                | 02/14/76         | 90             | 5405                | 1717N                                   | 01137E       | 41.1         | 126.1                              | GGGG                |                      | 201                     | 48                     |
| 2388-08530        | 00000/0000                   | 2-20020/1510                | 02/14/76         | 90             | 5405                | 1550N                                   | 01116E       | 41.7         | 124.9                              | GGGG                |                      | 201                     | 49                     |
| 2388-08532        | 00000/0000                   | 2-20020/1511                | 02/14/76         | 70             | 5405                | 1424N                                   | 01055E       | 42.3         | 123.6                              | GGGG                |                      | 201                     | 50                     |
| 2388-08535        | 00000/0000                   | 2-20020/1512                | 02/14/76         | 30             | 5405                | 1259N                                   | 01034E       | 42.9         | 122.3                              | GGGG                |                      | 201                     | 51                     |
| 2388-08541        | 00000/0000                   | 2-20020/1513                | 02/14/76         | 10             | 5405                | 1132N                                   | 01014E       | 43.5         | 121.0                              | GGGG                |                      | 201                     | 52                     |
| 2388-08544        | 00000/0000                   | 2-20020/1514                | 02/14/76         | 0              | 5405                | 1005N                                   | 00953E       | 44.0         | 119.7                              | FGGG                |                      | 201                     | 53                     |
| 2388-10232        | 00000/0000                   | 2-20020/1515                | 02/14/76         | 100            | 5406                | 5946N                                   | 00154E       | 14.1         | 154.1                              | FFGG                |                      | 219                     | 18                     |
| 2388-10234        | 00000/0000                   | 2-20020/1516                | 02/14/76         | 100            | 5406                | 5823N                                   | 00056E       | 15.1         | 153.1                              | GFGG                |                      | 219                     | 19                     |
| 2388-10241        | 00000/0000                   | 2-20020/1517                | 02/14/76         | 80             | 5406                | 5701N                                   | 00003E       | 16.1         | 152.2                              | GFGG                |                      | 219                     | 20                     |
| 2388-10243        | 00000/0000                   | 2-20020/1518                | 02/14/76         | 50             | 5406                | 5538N                                   | 00047W       | 17.2         | 151.3                              | FGGG                |                      | 219                     | 21                     |
| 2388-10250        | 00000/0000                   | 2-20020/1519                | 02/14/76         | 50             | 5406                | 5414N                                   | 00135W       | 18.2         | 150.4                              | FGGG                |                      | 219                     | 22                     |
| 2388-10252        | 00000/0000                   | 2-20020/1520                | 02/14/76         | 30             | 5406                | 5250N                                   | 00220W       | 19.2         | 149.5                              | GFGG                |                      | 219                     | 23                     |
| 2388-10255        | 00000/0000                   | 2-20020/1521                | 02/14/76         | 20             | 5406                | 5126N                                   | 00302W       | 20.2         | 148.7                              | GGFG                |                      | 219                     | 24                     |
| 2388-10261        | 00000/0000                   | 2-20020/1522                | 02/14/76         | 50             | 5406                | 5003N                                   | 00343W       | 21.2         | 147.8                              | FGGG                |                      | 219                     | 25                     |
| 2388-10264        | 00000/0000                   | 2-20020/1523                | 02/14/76         | 90             | 5406                | 4838N                                   | 00422W       | 22.2         | 147.0                              | GGGG                |                      | 219                     | 26                     |
| 2388-10325        | 00000/0000                   | 2-20020/1524                | 02/14/76         | 50             | 5406                | 2718N                                   | 01137W       | 35.9         | 133.8                              | GGGG                |                      | 219                     | 41                     |
| 2388-10332        | 00000/0000                   | 2-20020/1525                | 02/14/76         | 50             | 5406                | 2553N                                   | 01201W       | 36.7         | 132.8                              | FGGG                |                      | 219                     | 42                     |
| 2388-10334        | 00000/0000                   | 2-20020/1526                | 02/14/76         | 30             | 5406                | 2427N                                   | 01223W       | 37.5         | 131.8                              | GGGG                |                      | 219                     | 43                     |
| 2388-10341        | 00000/0000                   | 2-20020/1527                | 02/14/76         | 10             | 5406                | 2300N                                   | 01246W       | 38.3         | 130.7                              | GFFG                |                      | 219                     | 44                     |
| 2388-10343        | 00000/0000                   | 2-20020/1534                | 02/14/76         | 10             | 5406                | 2135N                                   | 01308W       | 39.0         | 129.6                              | GG G                |                      | 219                     | 45                     |
| 2388-10350        | 00000/0000                   | 2-20020/1535                | 02/14/76         | 0              | 5406                | 2009N                                   | 01329W       | 39.7         | 128.4                              | GGGG                |                      | 219                     | 46                     |
| 2388-10352        | 00000/0000                   | 2-20020/1536                | 02/14/76         | 0              | 5406                | 1843N                                   | 01350W       | 40.4         | 127.3                              | GGGG                |                      | 219                     | 47                     |
| 2388-10355        | 00000/0000                   | 2-20020/1537                | 02/14/76         | 10             | 5406                | 1716N                                   | 01412W       | 41.1         | 126.1                              | GGGG                |                      | 219                     | 48                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NNN-US  
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| OBSERVATION<br>ID | MICROFILM RELI. NR./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-------------------------------------------------|------------------|----------------|-----------------|------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2388-15442        | 00000/0000                                      | 2-20020/1538     | 02/14/76       | 30              | 5409                               | 2134N        | 09033W       | 39.1                               | 129.5               | GGGF                 | 22                      | 45                     |
| 2388-15445        | 00000/0000                                      | 2-20020/1539     | 02/14/76       | 20              | 5409                               | 2008N        | 09055W       | 39.8                               | 128.4               | FFGG                 | 22                      | 46                     |
| 2388-15451        | 00000/0000                                      | 2-20020/1540     | 02/14/76       | 10              | 5409                               | 1842N        | 09117W       | 40.5                               | 127.2               | GGFF                 | 22                      | 47                     |
| 2388-15454        | 00000/0000                                      | 2-20020/1541     | 02/14/76       | 30              | 5409                               | 1716N        | 09138W       | 41.1                               | 126.0               | GGGG                 | 22                      | 48                     |
| 2388-15460        | 00000/0000                                      | 2-20020/1542     | 02/14/76       | 20              | 5409                               | 1549N        | 09159W       | 41.8                               | 124.8               | GGGG                 | 22                      | 49                     |
| 2388-15463        | 00000/0000                                      | 2-20020/1543     | 02/14/76       | 10              | 5409                               | 1423N        | 09220W       | 42.4                               | 123.5               | FGGF                 | 22                      | 50                     |
| 2388-17180        | 00000/0000                                      | 2-20020/1273     | 02/14/76       | 80              | 5410                               | 5014N        | 10454W       | 18.3                               | 150.3               | GGGG                 | 40                      | 22                     |
| 2388-17183        | 00000/0000                                      | 2-20020/1274     | 02/14/76       | 100             | 5410                               | 5250N        | 10539W       | 19.3                               | 149.5               | GGGG                 | 40                      | 23                     |
| 2388-17185        | 00000/0000                                      | 2-20020/1275     | 02/14/76       | 80              | 5410                               | 5126N        | 10621W       | 20.3                               | 148.6               | GGGG                 | 40                      | 24                     |
| 2388-17251        | 00000/0000                                      | 2-20020/1276     | 02/14/76       | 10              | 5410                               | 3009N        | 11405W       | 34.4                               | 135.7               | FFGG                 | 40                      | 39                     |
| 2388-21112        | 00000/0000                                      | 2-20020/1544     | 02/14/76       | 40              | 5412                               | 3720S        | 17711E       | 40.6                               | 73.8                | GGGF                 | 76                      | 86                     |
| 2388-21114        | 00000/0000                                      | 2-20020/1545     | 02/14/76       | 80              | 5412                               | 3844S        | 17443E       | 39.9                               | 73.0                | GGGG                 | 76                      | 87                     |
| 2388-21121        | 00000/0000                                      | 2-20020/1546     | 02/14/76       | 90              | 5412                               | 4008S        | 17414E       | 39.2                               | 72.2                | FFGG                 | 76                      | 88                     |
| 2388-21123        | 00000/0000                                      | 2-20020/1547     | 02/14/76       | 90              | 5412                               | 4133S        | 17543E       | 38.5                               | 71.4                | FFGG                 | 76                      | 89                     |
| 2389-02022        | 00000/0000                                      | 2-20020/1548     | 02/15/76       | 20              | 5415                               | 2714N        | 11400E       | 36.1                               | 133.6               | FFGG                 | 130                     | 41                     |
| 2389-02024        | 00000/0000                                      | 2-20020/1549     | 02/15/76       | 50              | 5415                               | 2549N        | 11537E       | 36.9                               | 132.6               | GGGG                 | 130                     | 42                     |
| 2389-02031        | 00000/0000                                      | 2-20020/1550     | 02/15/76       | 60              | 5415                               | 2423N        | 11514E       | 37.7                               | 131.5               | GGGG                 | 130                     | 43                     |
| 2389-02033        | 00000/0000                                      | 2-20020/1551     | 02/15/76       | 60              | 5415                               | 2256N        | 11451E       | 38.5                               | 130.4               | GGGG                 | 130                     | 44                     |
| 2389-03460        | 00000/0000                                      | 2-20020/1552     | 02/15/76       | 40              | 5416                               | 2549N        | 08949E       | 37.0                               | 132.6               | FFGG                 | 148                     | 42                     |
| 2389-07050        | 00000/0000                                      | 2-20020/1477     | 02/15/76       | 0               | 5418                               | 5127N        | 04706E       | 20.5                               | 148.6               | GGGF                 | 184                     | 24                     |
| 2389-07064        | 00000/0000                                      | 2-20020/1478     | 02/15/76       | 10              | 5418                               | 4547N        | 04437E       | 24.5                               | 145.2               | GGGG                 | 184                     | 28                     |
| 2389-07182        | 00000/0000                                      | 2-20020/1479     | 02/15/76       | 10              | 5418                               | 0546N        | 03316E       | 45.5                               | 115.1               | FFGG                 | 184                     | 56                     |
| 2389-08461        | 00000/0000                                      | 2-20020/1480     | 02/15/76       | 90              | 5419                               | 5824N        | 02519E       | 15.4                               | 153.0               | GGFG                 | 202                     | 19                     |
| 2389-08464        | 00000/0000                                      | 2-20020/1481     | 02/15/76       | 100             | 5419                               | 5701N        | 02424E       | 16.5                               | 152.1               | GGFG                 | 202                     | 20                     |
| 2389-08470        | 00000/0000                                      | 2-20020/1482     | 02/15/76       | 90              | 5419                               | 5548N        | 02334E       | 17.5                               | 151.2               | GGGG                 | 202                     | 21                     |
| 2389-08534        | 00000/0000                                      | 2-20020/1569     | 02/15/76       | 10              | 5419                               | 3302N        | 01424E       | 32.8                               | 137.5               | FFGF                 | 202                     | 37                     |
| 2389-08541        | 00000/0000                                      | 2-20020/1570     | 02/15/76       | 80              | 5419                               | 3136N        | 01359E       | 33.7                               | 136.5               | GGGG                 | 202                     | 38                     |
| 2389-08543        | 00000/0000                                      | 2-20020/1571     | 02/15/76       | 30              | 5419                               | 3010N        | 01334E       | 34.6                               | 135.6               | GGGG                 | 202                     | 39                     |
| 2389-08550        | 00000/0000                                      | 2-20020/1572     | 02/15/76       | 40              | 5419                               | 2845N        | 01310E       | 35.4                               | 134.6               | GGGG                 | 202                     | 40                     |
| 2389-08582        | 00000/0000                                      | 2-20020/1630     | 02/15/76       | 90              | 5419                               | 1717N        | 01011E       | 41.3                               | 125.7               | GG G                 | 202                     | 48                     |
| 2389-08584        | 00000/0000                                      | 2-20020/1631     | 02/15/76       | 100             | 5419                               | 1550N        | 00950E       | 41.9                               | 124.5               | GG G                 | 202                     | 49                     |
| 2389-08591        | 00000/0000                                      | 2-20020/1632     | 02/15/76       | 80              | 5419                               | 1425N        | 00929E       | 42.5                               | 123.2               | GGGG                 | 202                     | 50                     |
| 2389-08593        | 00000/0000                                      | 2-20020/1633     | 02/15/76       | 70              | 5419                               | 1258N        | 00908E       | 43.1                               | 121.9               | GGGG                 | 202                     | 51                     |
| 2389-10290        | 00000/0000                                      | 2-20020/1634     | 02/15/76       | 30              | 5420                               | 5946N        | 00027E       | 14.4                               | 154.0               | GGGG                 | 220                     | 18                     |
| 2389-10293        | 00000/0000                                      | 2-20020/1635     | 02/15/76       | 30              | 5420                               | 5824N        | 00030W       | 15.4                               | 153.0               | GGGG                 | 220                     | 19                     |
| 2389-10295        | 00000/0000                                      | 2-20020/1584     | 02/15/76       | 70              | 5420                               | 5700N        | 00124W       | 16.5                               | 152.1               | GGGG                 | 220                     | 20                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

PAGE 0044

| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>RBV | ROLL NR./<br>POSITION IN<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA | MSS<br>IMAGE | ORBIT<br>PATH | FRAME<br>ROW |
|-------------------|---------------------------------|---------------------------------|------------------|----------------|------------------|-----------------------------|--------------|--------------|-------------------|-------------|--------------|---------------|--------------|
|                   |                                 |                                 |                  |                |                  | LAT                         | LONG         |              | 123 45678         | MODE        | GAIN         | NUMBER        | NUMBER       |
| 2389-10302        | 00000/0000                      | 2-20020/1585                    | 02/15/76         | 100            | 5420             | 5537N                       | 00214W       | 17.5         | 151.2             | FGGG        |              | 220           | 21           |
| 2389-10304        | 00000/0000                      | 2-20020/1586                    | 02/15/76         | 90             | 5420             | 5413N                       | 00301W       | 18.5         | 150.3             | GGGG        |              | 220           | 22           |
| 2389-10311        | 00000/0000                      | 2-20020/1587                    | 02/15/76         | 100            | 5420             | 5250N                       | 00346W       | 19.5         | 149.5             | GGGG        |              | 220           | 23           |
| 2389-10313        | 00000/0000                      | 2-20020/1588                    | 02/15/76         | 100            | 5420             | 5126N                       | 00429W       | 20.6         | 148.6             | GGGG        |              | 220           | 24           |
| 2389-10320        | 00000/0000                      | 2-20020/1589                    | 02/15/76         | 100            | 5420             | 5001N                       | 00510W       | 21.6         | 147.7             | GGGG        |              | 220           | 25           |
| 2389-10322        | 00000/0000                      | 2-20020/1590                    | 02/15/76         | 70             | 5420             | 4837N                       | 00548W       | 22.6         | 146.9             | GGGG        |              | 220           | 26           |
| 2389-10384        | 00000/0000                      | 2-20020/1591                    | 02/15/76         | 20             | 5420             | 2717N                       | 01302W       | 36.2         | 133.5             | GGFG        |              | 220           | 41           |
| 2389-10390        | 00000/0000                      | 2-20020/1592                    | 02/15/76         | 40             | 5420             | 2562N                       | 01326W       | 37.0         | 132.5             | GGGG        |              | 220           | 42           |
| 2389-10393        | 00000/0000                      | 2-20020/1593                    | 02/15/76         | 10             | 5420             | 2427N                       | 01349W       | 37.8         | 131.4             | GGGG        |              | 220           | 43           |
| 2389-10395        | 00000/0000                      | 2-20020/1594                    | 02/15/76         | 10             | 5420             | 2300N                       | 01411W       | 38.5         | 130.4             | GGFG        |              | 220           | 44           |
| 2389-10402        | 00000/0000                      | 2-20020/1595                    | 02/15/76         | 0              | 5420             | 2134N                       | 01434W       | 39.3         | 129.2             | GGGG        |              | 220           | 45           |
| 2389-10404        | 00000/0000                      | 2-20020/1596                    | 02/15/76         | 0              | 5420             | 2008N                       | 01455W       | 40.0         | 128.1             | GGGG        |              | 220           | 46           |
| 2389-10411        | 00000/0000                      | 2-20020/1597                    | 02/15/76         | 0              | 5420             | 1841N                       | 01516W       | 40.6         | 126.9             | GGGG        |              | 220           | 47           |
| 2389-10413        | 00000/0000                      | 2-20020/1598                    | 02/15/76         | 0              | 5420             | 1715N                       | 01537W       | 41.3         | 125.7             | GGGG        |              | 220           | 48           |
| 2389-10420        | 00000/0000                      | 2-20020/1599                    | 02/15/76         | 10             | 5420             | 1548N                       | 01558W       | 41.9         | 124.5             | GGGG        |              | 220           | 49           |
| 2389-10422        | 00000/0000                      | 2-20020/1600                    | 02/15/76         | 10             | 5420             | 1422N                       | 01619W       | 42.5         | 123.2             | GGGG        |              | 220           | 50           |
| 2389-14151        | 00000/0000                      | 2-20020/1614                    | 02/15/76         | 90             | 5422             | 0713S                       | 07259W       | 47.6         | 101.1             | GGGG        |              | 5             | 65           |
| 2389-14153        | 00000/0000                      | 2-20020/1615                    | 02/15/76         | 100            | 5422             | 0839S                       | 07320W       | 47.7         | 99.6              | GGGG        |              | 5             | 66           |
| 2389-14160        | 00000/0000                      | 2-20020/1616                    | 02/15/76         | 100            | 5422             | 1006S                       | 07340W       | 47.7         | 98.0              | FFFF        |              | 5             | 67           |
| 2389-14162        | 00000/0000                      | 2-20020/1617                    | 02/15/76         | 100            | 5422             | 1132S                       | 07400W       | 47.6         | 96.5              | FFFF        |              | 5             | 68           |
| 2389-14165        | 00000/0000                      | 2-20020/1618                    | 02/15/76         | 100            | 5422             | 1258S                       | 07421W       | 47.5         | 94.9              | GGGG        |              | 5             | 69           |
| 2389-15415        | 00000/0000                      | 2-20020/1533                    | 02/15/76         | 100            | 5423             | 5000N                       | 08238W       | 21.6         | 147.7             | GGGG        |              | 23            | 25           |
| 2389-17232        | 00000/0000                      | 2-20020/1528                    | 02/15/76         | 80             | 5424             | 5537N                       | 10534W       | 17.6         | 151.1             | G           |              | 41            | 21           |
| 2389-17235        | 00000/0000                      | 2-20020/1529                    | 02/15/76         | 70             | 5424             | 5413N                       | 10622W       | 18.6         | 150.2             | FGGG        |              | 41            | 22           |
| 2389-17241        | 00000/0000                      | 2-20020/1530                    | 02/15/76         | 90             | 5424             | 5249N                       | 10706W       | 19.7         | 149.3             | GGGG        |              | 41            | 23           |
| 2389-17244        | 00000/0000                      | 2-20020/1531                    | 02/15/76         | 100            | 5424             | 5125N                       | 10749W       | 20.7         | 148.5             | GGFG        |              | 41            | 24           |
| 2389-17305        | 00000/0000                      | 2-20020/1532                    | 02/15/76         | 20             | 5424             | 3009N                       | 11531W       | 34.7         | 135.5             | GGGG        |              | 41            | 39           |
| 2389-18035        | 00000/0000                      | 2-20020/1519                    | 02/15/76         | 10             | 5424             | 7917S                       | 17434E       | 11.0         | 100.6             | GGGG        |              | 41            | 118          |
| 2389-20445        | 00000/0000                      | 2-20020/1640                    | 02/15/76         | 50             | 5426             | 7143N                       | 14047W       | 5.1          | 167.4             | PFFG        |              | 77            | 9            |
| 2389-21163        | 00000/0000                      | 2-20020/1620                    | 02/15/76         | 40             | 5426             | 3554S                       | 17611E       | 41.0         | 74.4              | GGGG        |              | 77            | 85           |
| 2389-21170        | 00000/0000                      | 2-20020/1621                    | 02/15/76         | 40             | 5426             | 3719S                       | 17544E       | 40.4         | 73.5              | GGGG        |              | 77            | 86           |
| 2389-21172        | 00000/0000                      | 2-20020/1622                    | 02/15/76         | 30             | 5426             | 3844S                       | 17516E       | 39.7         | 72.6              | GGGG        |              | 77            | 87           |
| 2389-21175        | 00000/0000                      | 2-20020/1623                    | 02/15/76         | 60             | 5426             | 4009S                       | 17447E       | 39.0         | 71.8              | GGGG        |              | 77            | 88           |
| 2389-21181        | 00000/0000                      | 2-20020/1624                    | 02/15/76         | 60             | 5426             | 4134S                       | 17418E       | 38.2         | 71.1              | GGGG        |              | 77            | 89           |
| 2389-21184        | 00000/0000                      | 2-20020/1625                    | 02/15/76         | 60             | 5426             | 4259S                       | 17347E       | 37.5         | 70.4              | GGGG        |              | 77            | 90           |
| 2389-21190        | 00000/0000                      | 2-20020/1626                    | 02/15/76         | 80             | 5426             | 4424S                       | 17314E       | 36.7         | 69.8              | GGGG        |              | 77            | 91           |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0045

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|-------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2390-02080        | 00000/0000                   | 2-20020/1627                | 02/16/76         | 90             | 5429            | 2713N                        | 11434E        | 36.4        | 133.3        | GGGG                               |                     |                      | 131                     | 41                     |
| 2390-02083        | 00000/0000                   | 2-20020/1628                | 02/16/76         | 90             | 5429            | 2547N                        | 11410E        | 37.2        | 132.3        | GGGG                               |                     |                      | 131                     | 42                     |
| 2390-02085        | 00000/0000                   | 2-20020/1629                | 02/16/76         | 100            | 5429            | 2721N                        | 11347E        | 38.0        | 131.2        | GGGG                               |                     |                      | 131                     | 43                     |
| 2390-03512        | 00000/0000                   | 2-20020/1601                | 02/16/76         | 10             | 5430            | 2717N                        | 08447E        | 36.4        | 133.3        | GGGG                               |                     |                      | 149                     | 41                     |
| 2390-03514        | 00000/0000                   | 2-20020/1602                | 02/16/76         | 10             | 5430            | 2551N                        | 08424E        | 37.2        | 132.3        | GGGG                               |                     |                      | 149                     | 42                     |
| 2390-03521        | 00000/0000                   | 2-20020/1603                | 02/16/76         | 10             | 5430            | 2425N                        | 08401E        | 38.0        | 131.2        | GGGG                               |                     |                      | 149                     | 43                     |
| 2390-03523        | 00000/0000                   | 2-20020/1604                | 02/16/76         | 10             | 5430            | 2259N                        | 08738E        | 38.7        | 130.1        | GGGG                               |                     |                      | 149                     | 44                     |
| 2390-03530        | 00000/0000                   | 2-20020/1605                | 02/16/76         | 10             | 5430            | 2132N                        | 08716E        | 39.4        | 129.0        | GGGG                               |                     |                      | 149                     | 45                     |
| 2390-03532        | 00000/0000                   | 2-20020/1606                | 02/16/76         | 10             | 5430            | 2007N                        | 08654E        | 40.1        | 127.9        | GGGG                               |                     |                      | 149                     | 46                     |
| 2390-03535        | 00000/0000                   | 2-20020/1607                | 02/16/76         | 10             | 5430            | 1841N                        | 08633E        | 40.8        | 126.7        | GGGG                               |                     |                      | 149                     | 47                     |
| 2390-03541        | 00000/0000                   | 2-20020/1608                | 02/16/76         | 20             | 5430            | 1715N                        | 08613E        | 41.5        | 125.5        | GGGG                               |                     |                      | 149                     | 48                     |
| 2390-03544        | 00000/0000                   | 2-20020/1609                | 02/16/76         | 30             | 5430            | 1549N                        | 08552E        | 42.1        | 124.2        | GGGG                               |                     |                      | 149                     | 49                     |
| 2390-03505        | 00000/0000                   | 2-20020/1636                | 02/16/76         | 40             | 5431            | 4008N                        | 06451E        | 28.6        | 141.7        | GGGG                               |                     |                      | 167                     | 32                     |
| 2390-03541        | 00000/0000                   | 2-20020/1637                | 02/16/76         | 20             | 5431            | 2843N                        | 06319E        | 35.6        | 134.3        | GGGG                               |                     |                      | 167                     | 40                     |
| 2390-03543        | 00000/0000                   | 2-20020/1638                | 02/16/76         | 10             | 5431            | 2717N                        | 06255E        | 36.4        | 133.3        | GGGG                               |                     |                      | 167                     | 41                     |
| 2390-03550        | 00000/0000                   | 2-20020/1639                | 02/16/76         | 10             | 5431            | 2552N                        | 06232E        | 37.2        | 132.3        | GGGG                               |                     |                      | 167                     | 42                     |
| 2390-07095        | 00000/0000                   | 2-20020/1573                | 02/16/76         | 10             | 5432            | 5413N                        | 04705E        | 18.8        | 150.2        | FGGG                               |                     |                      | 185                     | 22                     |
| 2390-07102        | 00000/0000                   | 2-20020/1574                | 02/16/76         | 20             | 5432            | 5250N                        | 04621E        | 19.8        | 149.3        | GGGG                               |                     |                      | 185                     | 23                     |
| 2390-07104        | 00000/0000                   | 2-20020/1575                | 02/16/76         | 10             | 5432            | 5126N                        | 04540E        | 20.8        | 148.4        | GGGG                               |                     |                      | 185                     | 24                     |
| 2390-07111        | 00000/0000                   | 2-20020/1576                | 02/16/76         | 0              | 5432            | 5002N                        | 04500E        | 21.8        | 147.6        | FFGG                               |                     |                      | 185                     | 25                     |
| 2390-07113        | 00000/0000                   | 2-20020/1577                | 02/16/76         | 10             | 5432            | 4837N                        | 04422E        | 22.8        | 146.7        | FGGG                               |                     |                      | 185                     | 26                     |
| 2390-07120        | 00000/0000                   | 2-20020/1578                | 02/16/76         | 0              | 5432            | 4712N                        | 04346E        | 23.8        | 145.9        | GGGG                               |                     |                      | 185                     | 27                     |
| 2390-07122        | 00000/0000                   | 2-20020/1579                | 02/16/76         | 0              | 5432            | 4548N                        | 04311E        | 24.8        | 145.1        | FGGG                               |                     |                      | 185                     | 28                     |
| 2390-07125        | 00000/0000                   | 2-20020/1580                | 02/16/76         | 10             | 5432            | 4423N                        | 04237E        | 25.8        | 144.2        | PGGG                               |                     |                      | 185                     | 29                     |
| 2390-07131        | 00000/0000                   | 2-20020/1581                | 02/16/76         | 10             | 5432            | 4258N                        | 04205E        | 26.7        | 143.4        | GGGG                               |                     |                      | 185                     | 30                     |
| 2390-07304        | 00000/0000                   | 2-20020/1582                | 02/16/76         | 70             | 5432            | 1717S                        | 02625E        | 47.0        | 90.1         | GGGG                               |                     |                      | 185                     | 72                     |
| 2390-07311        | 00000/0000                   | 2-20020/1583                | 02/16/76         | 30             | 5432            | 1843S                        | 02603E        | 46.7        | 88.6         | FFFF                               |                     |                      | 185                     | 73                     |
| 2390-09013        | 00000/0000                   | 2-20020/1413                | 02/16/76         | 20             | 5433            | 2552N                        | 01057E        | 37.2        | 132.2        | GGGG                               |                     |                      | 203                     | 42                     |
| 2390-09015        | 00000/0000                   | 2-20020/1414                | 02/16/76         | 40             | 5433            | 2426N                        | 01035E        | 38.0        | 131.2        | GGGG                               |                     |                      | 203                     | 43                     |
| 2390-09022        | 00000/0000                   | 2-20020/1415                | 02/16/76         | 30             | 5433            | 2300N                        | 01013E        | 38.8        | 130.1        | GGGG                               |                     |                      | 203                     | 44                     |
| 2390-09024        | 00000/0000                   | 2-20020/1416                | 02/16/76         | 60             | 5433            | 2134N                        | 00950E        | 39.5        | 128.9        | GGGG                               |                     |                      | 203                     | 45                     |
| 2390-09031        | 00000/0000                   | 2-20020/1417                | 02/16/76         | 40             | 5433            | 2008N                        | 00929E        | 40.2        | 127.8        | GGGG                               |                     |                      | 203                     | 46                     |
| 2390-09033        | 00000/0000                   | 2-20020/1418                | 02/16/76         | 10             | 5433            | 1841N                        | 00906E        | 40.9        | 126.6        | GGGG                               |                     |                      | 203                     | 47                     |
| 2390-09042        | 00000/0000                   | 2-20020/1419                | 02/16/76         | 20             | 5433            | 1549N                        | 00823E        | 42.1        | 124.1        | FFGG                               |                     |                      | 203                     | 49                     |
| 2390-09045        | 00000/0000                   | 2-20020/1420                | 02/16/76         | 10             | 5433            | 1422N                        | 00802E        | 42.7        | 122.8        | GGGG                               |                     |                      | 203                     | 50                     |
| 2390-09051        | 00000/0000                   | 2-20020/1421                | 02/16/76         | 10             | 5433            | 1256N                        | 00741E        | 43.3        | 121.5        | GGGG                               |                     |                      | 203                     | 51                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANOSAT-2  
OBSERVATION ID LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2390-09054        | 00000/0000                   | 2-20020/1422                | 02/16/76         | 10             | 5433            | 1130N                        | 00721E        | .8           | 120.2        | GGGF                               |                     |                      | 203                     | 52                     |
| 2390-09060        | 00000/0000                   | 2-20020/1423                | 02/16/76         | 0              | 5433            | 1003N                        | 00701E        | 44.3         | 118.8        | GGGF                               |                     |                      | 203                     | 53                     |
| 2390-09063        | 00000/0000                   | 2-20020/1424                | 02/16/76         | 30             | 5433            | 0837N                        | 00640E        | 44.8         | 117.4        | FGGG                               |                     |                      | 203                     | 54                     |
| 2390-09065        | 00000/0000                   | 2-20020/1425                | 02/16/76         | 80             | 5433            | 0711N                        | 00620E        | 45.3         | 116.0        | GGFG                               |                     |                      | 203                     | 55                     |
| 2390-09072        | 00000/0000                   | 2-20020/1426                | 02/16/76         | 90             | 5433            | 0544N                        | 00600E        | 45.7         | 114.6        | GGGG                               |                     |                      | 203                     | 56                     |
| 2390-09074        | 00000/0000                   | 2-20020/1427                | 02/16/76         | 90             | 5433            | 0418N                        | 00540E        | 46.0         | 113.1        | GGGG                               |                     |                      | 203                     | 57                     |
| 2390-09081        | 00000/0000                   | 2-20020/1428                | 02/16/76         | 100            | 5433            | 0252N                        | 00519E        | 46.4         | 111.6        | GGGF                               |                     |                      | 203                     | 58                     |
| 2390-09083        | 00000/0000                   | 2-20020/1429                | 02/16/76         | 90             | 5433            | 0125N                        | 00459E        | 46.7         | 110.1        | GGGG                               |                     |                      | 203                     | 59                     |
| 2390-10460        | 00000/0000                   | 2-20020/1430                | 02/16/76         | 0              | 5434            | 2132N                        | 01559W        | 39.5         | 128.9        | FFF                                |                     |                      | 221                     | 45                     |
| 2390-10463        | 00000/0000                   | 2-20020/1431                | 02/16/76         | 0              | 5434            | 2006N                        | 01620W        | 40.2         | 127.7        | GGGG                               |                     |                      | 221                     | 46                     |
| 2390-10465        | 00000/0000                   | 2-20020/1432                | 02/16/76         | 0              | 5434            | 1840N                        | 01641W        | 40.9         | 126.6        | GGFF                               |                     |                      | 221                     | 47                     |
| 2390-10472        | 00000/0000                   | 2-20020/1433                | 02/16/76         | 10             | 5434            | 1714N                        | 01703W        | 41.5         | 125.3        | GFFF                               |                     |                      | 221                     | 48                     |
| 2390-10474        | 00000/0000                   | 2-20020/1434                | 02/16/76         | 10             | 5434            | 1548N                        | 01723W        | 42.1         | 124.1        | GGFF                               |                     |                      | 221                     | 49                     |
| 2390-12460        | 00000/0000                   | 2-20020/1435                | 02/16/76         | 30             | 5435            | 3554S                        | 05408W        | 40.9         | 74.1         | GGGF                               |                     |                      | 239                     | 85                     |
| 2390-12462        | 00000/0000                   | 2-20020/1436                | 02/16/76         | 70             | 5435            | 3720S                        | 05636W        | 40.2         | 73.2         | GGGF                               |                     |                      | 239                     | 86                     |
| 2390-12465        | 00000/0000                   | 2-20020/1437                | 02/16/76         | 30             | 5435            | 3846S                        | 05704W        | 39.5         | 72.4         | GFFF                               |                     |                      | 239                     | 87                     |
| 2390-14021        | 00000/0000                   | 2-20020/1611                | 02/16/76         | 90             | 5436            | 5659N                        | 05430W        | 16.9         | 152.0        | GGGG                               |                     |                      | 6                       | 20                     |
| 2390-14023        | 00000/0000                   | 2-20020/1612                | 02/16/76         | 50             | 5436            | 5536N                        | 05520W        | 17.9         | 151.0        | GGGG                               |                     |                      | 6                       | 21                     |
| 2390-14030        | 00000/0000                   | 2-20020/1613                | 02/16/76         | 10             | 5436            | 5413N                        | 05607W        | 18.9         | 150.1        | FGGG                               |                     |                      | 6                       | 22                     |
| 2390-15473        | 00000/0000                   | 2-20020/1642                | 02/16/76         | 10             | 5437            | 5000N                        | 08406W        | 22.0         | 147.5        | GGGG                               |                     |                      | 24                      | 25                     |
| 2390-17302        | 00000/0000                   | 2-20020/1610                | 02/16/76         | 100            | 5438            | 5125N                        | 10914W        | 21.0         | 148.4        | GGGG                               |                     |                      | 42                      | 24                     |
| 2390-21224        | 00000/0000                   | 2-20020/1461                | 02/16/76         | 30             | 5440            | 3720S                        | 17419E        | 40.1         | 73.1         | FFGG                               |                     |                      | 78                      | 86                     |
| 2390-21231        | 00000/0000                   | 2-20020/1462                | 02/16/76         | 40             | 5440            | 3846S                        | 17350E        | 39.4         | 72.2         | GGGF                               |                     |                      | 78                      | 87                     |
| 2390-21233        | 00000/0000                   | 2-20020/1463                | 02/16/76         | 40             | 5440            | 4011S                        | 17321E        | 38.7         | 71.5         | FFGF                               |                     |                      | 78                      | 88                     |
| 2390-21240        | 00000/0000                   | 2-20020/1464                | 02/16/76         | 50             | 5440            | 4137S                        | 17250E        | 38.0         | 70.7         | GGGG                               |                     |                      | 78                      | 89                     |
| 2390-21242        | 00000/0000                   | 2-20020/1465                | 02/16/76         | 40             | 5440            | 4302S                        | 17218E        | 37.2         | 70.1         | GGGG                               |                     |                      | 78                      | 90                     |
| 2390-21245        | 00000/0000                   | 2-20020/1466                | 02/16/76         | 70             | 5440            | 4427S                        | 17146E        | 36.4         | 69.5         | GFFF                               |                     |                      | 73                      | 91                     |
| 2391-02143        | 00000/0000                   | 2-20020/1467                | 02/17/76         | 90             | 5443            | 2424N                        | 11222E        | 38.2         | 130.9        | GGGG                               |                     |                      | 132                     | 43                     |
| 2391-02150        | 00000/0000                   | 2-20020/1468                | 02/17/76         | 90             | 5443            | 2259N                        | 11200E        | 38.9         | 129.8        | GGGG                               |                     |                      | 132                     | 44                     |
| 2391-02152        | 00000/0000                   | 2-20020/1469                | 02/17/76         | 90             | 5443            | 2132N                        | 11138E        | 39.6         | 128.7        | GGFG                               |                     |                      | 132                     | 45                     |
| 2391-03572        | 00000/0000                   | 2-20020/1470                | 02/17/76         | 10             | 5444            | 2551N                        | 08657E        | 37.4         | 132.0        | GGGG                               |                     |                      | 150                     | 42                     |
| 2391-03575        | 00000/0000                   | 2-20020/1471                | 02/17/76         | 10             | 5444            | 2426N                        | 08634E        | 38.2         | 130.9        | GGGG                               |                     |                      | 150                     | 43                     |
| 2391-03581        | 00000/0000                   | 2-20020/1472                | 02/17/76         | 10             | 5444            | 2300N                        | 08612E        | 39.0         | 129.8        | GGFG                               |                     |                      | 150                     | 44                     |
| 2391-03584        | 00000/0000                   | 2-20020/1473                | 02/17/76         | 0              | 5444            | 2134N                        | 08550E        | 39.7         | 128.7        | GGGG                               |                     |                      | 150                     | 45                     |
| 2391-03590        | 00000/0000                   | 2-20020/1474                | 02/17/76         | 0              | 5444            | 2007N                        | 08529E        | 40.4         | 127.5        | FFGF                               |                     |                      | 150                     | 46                     |
| 2391-04022        | 00000/0000                   | 2-20020/1475                | 02/17/76         | 10             | 5444            | 0836N                        | 08242E        | 44.9         | 117.1        | GGFF                               |                     |                      | 150                     | 54                     |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANKS)=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSE | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RAW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|----------------------------|--------------|--------------|-------------------|-------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2391-04025        | 00000/0000                   | 2-20020/1476                | 02/17/76         | 10             | 5444            | 0710N                        | 08222E                     | 45.4         | 115.7        | GGFG              |                         |                     |                      | 150                     | 55                     |
| 2391-05363        | 00000/0000                   | 2-20020/1483                | 02/17/76         | 80             | 5445            | 4008N                        | 06527E                     | 28.9         | 141.5        | GGGG              |                         |                     |                      | 168                     | 32                     |
| 2391-05393        | 00000/0000                   | 2-20020/1484                | 02/17/76         | 100            | 5445            | 3009N                        | 06219E                     | 35.1         | 135.1        | GGGG              |                         |                     |                      | 168                     | 39                     |
| 2391-05395        | 00000/0000                   | 2-20020/1485                | 02/17/76         | 60             | 5445            | 2843N                        | 06154E                     | 35.9         | 134.1        | GGGG              |                         |                     |                      | 168                     | 40                     |
| 2391-05402        | 00000/0000                   | 2-20020/1486                | 02/17/76         | 40             | 5445            | 2717N                        | 06130E                     | 36.7         | 133.0        | GGGG              |                         |                     |                      | 168                     | 41                     |
| 2391-05404        | 00000/0000                   | 2-20020/1487                | 02/17/76         | 20             | 5445            | 2551N                        | 06107E                     | 37.5         | 132.0        | GGGG              |                         |                     |                      | 168                     | 42                     |
| 2391-07160        | 00000/0000                   | 2-20020/1683                | 02/17/76         | 60             | 5446            | 5248N                        | 04457E                     | 20.2         | 149.2        | GFGG              |                         |                     |                      | 186                     | 23                     |
| 2391-07181        | 00000/0000                   | 2-20020/1684                | 02/17/76         | 10             | 5446            | 4546N                        | 04146E                     | 25.1         | 144.9        | GGGG              |                         |                     |                      | 186                     | 28                     |
| 2391-07201        | 00000/0000                   | 2-20020/1685                | 02/17/76         | 20             | 5446            | 3842N                        | 03909E                     | 29.8         | 140.6        | GFGG              |                         |                     |                      | 186                     | 33                     |
| 2391-07204        | 00000/0000                   | 2-20020/1686                | 02/17/76         | 10             | 5446            | 3717N                        | 03841E                     | 30.8         | 139.8        | GFGG              |                         |                     |                      | 186                     | 34                     |
| 2391-07210        | 00000/0000                   | 2-20020/1687                | 02/17/76         | 10             | 5446            | 3551N                        | 03814E                     | 31.7         | 138.9        | GGGG              |                         |                     |                      | 186                     | 35                     |
| 2391-09060        | 00000/0000                   | 2-20021/0166                | 02/17/76         | 40             | 5447            | 3008N                        | 01041E                     | 35.1         | 135.0        | G G               |                         |                     |                      | 204                     | 39                     |
| 2391-09062        | 00000/0000                   | 2-20021/0167                | 02/17/76         | 30             | 5447            | 2843N                        | 01017E                     | 35.9         | 134.0        | GGGG              |                         |                     |                      | 204                     | 40                     |
| 2391-09065        | 00000/0000                   | 2-20021/0168                | 02/17/76         | 10             | 5447            | 2717N                        | 00954E                     | 36.7         | 133.0        | GGGG              |                         |                     |                      | 204                     | 41                     |
| 2391-09071        | 00000/0000                   | 2-20021/0169                | 02/17/76         | 30             | 5447            | 2551N                        | 00931E                     | 37.5         | 131.9        | GGGG              |                         |                     |                      | 204                     | 42                     |
| 2391-09074        | 00000/0000                   | 2-20021/0170                | 02/17/76         | 80             | 5447            | 2425N                        | 00908E                     | 38.3         | 130.9        | FGGG              |                         |                     |                      | 204                     | 43                     |
| 2391-09080        | 00000/0000                   | 2-20021/0171                | 02/17/76         | 90             | 5447            | 2259N                        | 00846E                     | 39.0         | 129.7        | GGGG              |                         |                     |                      | 204                     | 44                     |
| 2391-09083        | 00000/0000                   | 2-20021/0172                | 02/17/76         | 90             | 5447            | 2133N                        | 00823E                     | 39.7         | 128.6        | GGGG              |                         |                     |                      | 204                     | 45                     |
| 2391-09085        | 00000/0000                   | 2-20021/0174                | 02/17/76         | 40             | 5447            | 2007N                        | 00801E                     | 40.4         | 127.4        | FGGG              |                         |                     |                      | 204                     | 46                     |
| 2391-09092        | 00000/0000                   | 2-20021/0149                | 02/17/76         | 10             | 5447            | 1840N                        | 00740E                     | 41.1         | 126.2        | FGGG              |                         |                     |                      | 204                     | 47                     |
| 2391-09094        | 00000/0000                   | 2-20021/0150                | 02/17/76         | 0              | 5447            | 1714N                        | 00719E                     | 41.7         | 125.0        | FGGG              |                         |                     |                      | 204                     | 48                     |
| 2391-09101        | 00000/0000                   | 2-20021/0151                | 02/17/76         | 0              | 5447            | 1548N                        | 00657E                     | 42.3         | 123.7        | FGGG              |                         |                     |                      | 204                     | 49                     |
| 2391-09103        | 00000/0000                   | 2-20021/0152                | 02/17/76         | 0              | 5447            | 1422N                        | 00636E                     | 42.9         | 122.4        | FGFG              |                         |                     |                      | 204                     | 50                     |
| 2391-09110        | 00000/0000                   | 2-20021/0153                | 02/17/76         | 0              | 5447            | 1255N                        | 00615E                     | 43.5         | 121.1        | FGFG              |                         |                     |                      | 204                     | 51                     |
| 2391-10403        | 00000/0000                   | 2-20021/0112                | 02/17/76         | 90             | 5448            | 5945N                        | 00222W                     | 15.1         | 153.9        | GGGG              |                         |                     |                      | 222                     | 18                     |
| 2391-10405        | 00000/0000                   | 2-20021/0113                | 02/17/76         | 90             | 5448            | 5822N                        | 00320W                     | 16.1         | 152.9        | GGGG              |                         |                     |                      | 222                     | 19                     |
| 2391-10412        | 00000/0000                   | 2-20021/0220                | 02/17/76         | 100            | 5448            | 5659N                        | 00414W                     | 17.2         | 151.9        | G                 |                         |                     |                      | 222                     | 20                     |
| 2391-10414        | 00000/0000                   | 2-20021/0221                | 02/17/76         | 100            | 5448            | 5536N                        | 00504W                     | 18.2         | 150.9        | GGGG              |                         |                     |                      | 222                     | 21                     |
| 2391-10421        | 00000/0000                   | 2-20021/0222                | 02/17/76         | 90             | 5448            | 5412N                        | 00552W                     | 19.2         | 150.0        | GGGG              |                         |                     |                      | 222                     | 22                     |
| 2391-10423        | 00000/0000                   | 2-20021/0223                | 02/17/76         | 90             | 5448            | 5248N                        | 00636W                     | 20.2         | 149.1        | GGGG              |                         |                     |                      | 222                     | 23                     |
| 2391-10430        | 00000/0000                   | 2-20021/0224                | 02/17/76         | 90             | 5448            | 5124N                        | 00719W                     | 21.2         | 148.3        | GGGG              |                         |                     |                      | 222                     | 24                     |
| 2391-10432        | 00000/0000                   | 2-20021/0225                | 02/17/76         | 90             | 5448            | 5000N                        | 00759W                     | 22.2         | 147.4        | GGGG              |                         |                     |                      | 222                     | 25                     |
| 2391-10435        | 00000/0000                   | 2-20021/0226                | 02/17/76         | 100            | 5448            | 4836N                        | 00837W                     | 23.2         | 146.6        | GGGG              |                         |                     |                      | 222                     | 26                     |
| 2391-12505        | 00000/0000                   | 2-20021/0227                | 02/17/76         | 10             | 5449            | 3305S                        | 05642W                     | 42.0         | 75.6         | FFFF              |                         |                     |                      | 240                     | 83                     |
| 2391-12511        | 00000/0000                   | 2-20021/0228                | 02/17/76         | 40             | 5449            | 3431S                        | 05708W                     | 41.3         | 74.7         | FGGG              |                         |                     |                      | 240                     | 84                     |
| 2391-12514        | 00000/0000                   | 2-20021/0229                | 02/17/76         | 80             | 5449            | 3556S                        | 05735W                     | 40.7         | 73.7         | GGGG              |                         |                     |                      | 240                     | 85                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

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OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2391-12523        | 00000/0000                   | 2-20020/0230                | 02/17/76         | 40             | 5449            | 3847S                              | 05830W                              | 39.3         | 72.0         | GGFF              |                     |                      | 240                     | 87                     |
| 2391-14075        | 00000/0000                   | 2-20020/1645                | 02/17/76         | 90             | 5450            | 5655N                              | 05558W                              | 17.2         | 151.9        | FFFF              |                     |                      | 7                       | 20                     |
| 2391-14082        | 00000/0000                   | 2-20020/1646                | 02/17/76         | 40             | 5450            | 5536N                              | 05646W                              | 18.3         | 150.9        | FFFF              |                     |                      | 7                       | 21                     |
| 2391-14084        | 00000/0000                   | 2-20020/1647                | 02/17/76         | 10             | 5450            | 5412N                              | 05734W                              | 19.3         | 150.0        | FFFF              |                     |                      | 7                       | 22                     |
| 2391-14273        | 00000/0000                   | 2-20021/0231                | 02/17/76         | 100            | 5450            | 1007S                              | 07633W                              | 47.7         | 96.9         | GGGG              |                     |                      | 7                       | 67                     |
| 2391-14275        | 00000/0000                   | 2-20021/0232                | 02/17/76         | 30             | 5450            | 1134S                              | 07653W                              | 47.6         | 95.4         | GGGG              |                     |                      | 7                       | 64                     |
| 2391-14473        | 00000/0000                   | 2-20021/0233                | 02/17/76         | 30             | 5450            | 7627S                              | 12058W                              | 13.5         | 85.8         | GGGG              |                     |                      | 7                       | 115                    |
| 2391-15525        | 00000/0000                   | 2-20020/1644                | 02/17/76         | 90             | 5451            | 5123N                              | 08453W                              | 21.3         | 148.2        | GGG               |                     |                      | 25                      | 24                     |
| 2391-15531        | 00000/0000                   | 2-20020/1643                | 02/17/76         | 50             | 5451            | 4959N                              | 08533W                              | 22.3         | 147.4        | G                 |                     |                      | 25                      | 25                     |
| 2391-16304        | 00000/0000                   | 2-20021/0234                | 02/17/76         | 10             | 5451            | 7629S                              | 14443W                              | 13.5         | 85.8         | GGGG              |                     |                      | 25                      | 115                    |
| 2391-16311        | 00000/0000                   | 2-20021/0235                | 02/17/76         | 10             | 5451            | 7731S                              | 15114W                              | 12.4         | 89.9         | GGGG              |                     |                      | 25                      | 116                    |
| 2391-17415        | 00000/0000                   | 2-20020/1641                | 02/17/76         | 80             | 5452            | 3133N                              | 11759W                              | 34.4         | 135.9        | GGGG              |                     |                      | 43                      | 38                     |
| 2391-21273        | 00000/0000                   | 2-20021/0236                | 02/17/76         | 10             | 5454            | 3432S                              | 17348E                              | 41.3         | 74.5         | GGGF              |                     |                      | 79                      | 84                     |
| 2391-21280        | 00000/0000                   | 2-20021/0237                | 02/17/76         | 30             | 5454            | 3558S                              | 17321E                              | 40.6         | 73.6         | GGGG              |                     |                      | 79                      | 85                     |
| 2391-21282        | 00000/0000                   | 2-20021/0238                | 02/17/76         | 50             | 5454            | 3722S                              | 17253E                              | 39.9         | 72.7         | FFFF              |                     |                      | 79                      | 86                     |
| 2391-21285        | 00000/0000                   | 2-20021/0239                | 02/17/76         | 40             | 5454            | 3847S                              | 17224E                              | 39.2         | 71.9         | FFFF              |                     |                      | 79                      | 87                     |
| 2391-21291        | 00000/0000                   | 2-20020/1648                | 02/17/76         | 40             | 5454            | 4013S                              | 17154E                              | 38.5         | 71.1         | FFGF              |                     |                      | 79                      | 88                     |
| 2391-21294        | 00000/0000                   | 2-20020/1649                | 02/17/76         | 50             | 5454            | 4129S                              | 17124E                              | 37.7         | 70.4         | GFGG              |                     |                      | 79                      | 89                     |
| 2391-21300        | 00000/0000                   | 2-20020/1650                | 02/17/76         | 30             | 5454            | 4304S                              | 17053E                              | 37.0         | 69.7         | FFGG              |                     |                      | 79                      | 90                     |
| 2391-21303        | 00000/0000                   | 2-20020/1651                | 02/17/76         | 40             | 5454            | 4428S                              | 17022E                              | 36.2         | 69.1         | FFGF              |                     |                      | 79                      | 91                     |
| 2391-21305        | 00000/0000                   | 2-20020/1652                | 02/17/76         | 30             | 5454            | 4552S                              | 16948E                              | 35.4         | 68.6         | GFGG              |                     |                      | 79                      | 92                     |
| 2392-02204        | 00000/0000                   | 2-20020/1653                | 02/18/76         | 100            | 5457            | 2258N                              | 11035E                              | 39.2         | 129.5        | GGGG              |                     |                      | 133                     | 44                     |
| 2392-02211        | 00000/0000                   | 2-20020/1654                | 02/18/76         | 90             | 5457            | 2132N                              | 11013E                              | 39.9         | 128.4        | GGGG              |                     |                      | 133                     | 45                     |
| 2392-02213        | 00000/0000                   | 2-20020/1655                | 02/18/76         | 60             | 5457            | 2006N                              | 10951E                              | 40.6         | 127.2        | GFGG              |                     |                      | 133                     | 46                     |
| 2392-04031        | 00000/0000                   | 2-20020/1656                | 02/18/76         | 0              | 5458            | 2550N                              | 08532E                              | 37.7         | 131.7        | GGFF              |                     |                      | 151                     | 42                     |
| 2392-04033        | 00000/0000                   | 2-20020/1657                | 02/18/76         | 0              | 5458            | 2425N                              | 08509E                              | 38.5         | 130.6        | GGGF              |                     |                      | 151                     | 43                     |
| 2392-04040        | 00000/0000                   | 2-20020/1658                | 02/18/76         | 0              | 5458            | 2300N                              | 08447E                              | 39.2         | 129.5        | FGGG              |                     |                      | 151                     | 44                     |
| 2392-04042        | 00000/0000                   | 2-20020/1659                | 02/18/76         | 0              | 5458            | 2134N                              | 08424E                              | 39.9         | 128.3        | GGGG              |                     |                      | 151                     | 45                     |
| 2392-04045        | 00000/0000                   | 2-20020/1660                | 02/18/76         | 0              | 5458            | 2007N                              | 08402E                              | 40.6         | 127.2        | FGGF              |                     |                      | 151                     | 46                     |
| 2392-04065        | 00000/0000                   | 2-20020/1661                | 02/18/76         | 30             | 5458            | 1244N                              | 08216E                              | 43.6         | 120.8        | FFFF              |                     |                      | 151                     | 51                     |
| 2392-04072        | 00000/0000                   | 2-20020/1662                | 02/18/76         | 10             | 5458            | 1129N                              | 08156E                              | 44.2         | 119.4        | FFFF              |                     |                      | 151                     | 52                     |
| 2392-04074        | 00000/0000                   | 2-20020/1663                | 02/18/76         | 40             | 5458            | 1003N                              | 08135E                              | 44.7         | 118.0        | FFFF              |                     |                      | 151                     | 53                     |
| 2392-04081        | 00000/0000                   | 2-20020/1664                | 02/18/76         | 50             | 5458            | 0836N                              | 08115E                              | 45.1         | 116.6        | GGGF              |                     |                      | 151                     | 54                     |
| 2392-04083        | 00000/0000                   | 2-20020/1665                | 02/18/76         | 30             | 5458            | 0709N                              | 08055E                              | 45.5         | 115.2        | GGGF              |                     |                      | 151                     | 55                     |
| 2392-04090        | 00000/0000                   | 2-20020/1666                | 02/18/76         | 20             | 5458            | 0543N                              | 08035E                              | 45.9         | 113.7        | GFFG              |                     |                      | 151                     | 56                     |
| 2392-04092        | 00000/0000                   | 2-20020/1667                | 02/18/76         | 60             | 5458            | 0417N                              | 08015E                              | 46.3         | 112.2        | FGFF              |                     |                      | 151                     | 57                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBY | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLSUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>BF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBY<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2392-05435        | 00000/0000                   | 2-20020/1668                | 02/18/76         | 10             | 5459            | 3424N                        | 06208E        | 32.8         | 137.7        | FGGG                               |                     |                      | 169                     | 36                     |
| 2392-05442        | 00000/0000                   | 2-20020/1669                | 02/18/76         | 80             | 5459            | 3259N                        | 06142E        | 33.7         | 136.8        | FGGG                               |                     |                      | 169                     | 37                     |
| 2392-05444        | 00000/0000                   | 2-20020/1670                | 02/18/76         | 100            | 5459            | 3134N                        | 06116E        | 34.5         | 135.8        | FGFG                               |                     |                      | 169                     | 38                     |
| 2392-05451        | 00000/0000                   | 2-20020/1671                | 02/18/76         | 50             | 5459            | 3078N                        | 06052E        | 35.4         | 134.8        | GGFG                               |                     |                      | 169                     | 39                     |
| 2392-05453        | 00000/0000                   | 2-20020/1672                | 02/18/76         | 10             | 5459            | 2843N                        | 06028E        | 36.2         | 133.8        | GGGF                               |                     |                      | 169                     | 40                     |
| 2392-05460        | 00000/0000                   | 2-20020/1673                | 02/18/76         | 10             | 5459            | 2717N                        | 06004E        | 37.0         | 132.7        | GGGF                               |                     |                      | 169                     | 41                     |
| 2392-05462        | 00000/0000                   | 2-20020/1674                | 02/18/76         | 0              | 5459            | 2551N                        | 05941E        | 37.7         | 131.7        | GFGF                               |                     |                      | 169                     | 42                     |
| 2392-05580        | 00000/0000                   | 2-20020/1675                | 02/18/76         | 80             | 5459            | 1426S                        | 05003E        | 47.3         | 92.0         | GGGG                               |                     |                      | 169                     | 70                     |
| 2392-05583        | 00000/0000                   | 2-20020/1676                | 02/18/76         | 80             | 5459            | 1525S                        | 04942E        | 47.1         | 90.5         | GGGG                               |                     |                      | 169                     | 71                     |
| 2392-05585        | 00000/0000                   | 2-20020/1677                | 02/18/76         | 50             | 5459            | 1718S                        | 04921E        | 46.8         | 89.1         | GFGF                               |                     |                      | 169                     | 72                     |
| 2392-05592        | 00000/0000                   | 2-20020/1678                | 02/18/76         | 50             | 5459            | 1845S                        | 04900E        | 46.6         | 87.6         | GGFG                               |                     |                      | 169                     | 73                     |
| 2392-06135        | 00000/0000                   | 2-20020/1679                | 02/18/76         | 100            | 5459            | 6753S                        | 02527E        | 20.5         | 70.5         | FGGG                               |                     |                      | 169                     | 108                    |
| 2392-06142        | 00000/0000                   | 2-20020/1680                | 02/18/76         | 50             | 5459            | 6911S                        | 02340E        | 19.5         | 71.7         | FGGG                               |                     |                      | 169                     | 109                    |
| 2392-06144        | 00000/0000                   | 2-20020/1681                | 02/18/76         | 70             | 5459            | 7028S                        | 02141E        | 18.4         | 73.1         | GGFG                               |                     |                      | 169                     | 110                    |
| 2392-06151        | 00000/0000                   | 2-20020/1682                | 02/18/76         | 50             | 5459            | 7144S                        | 01925E        | 17.4         | 74.9         | GGFG                               |                     |                      | 169                     | 111                    |
| 2392-07212        | 00000/0000                   | 2-20020/1691                | 02/18/76         | 100            | 5460            | 5416N                        | 04417E        | 19.5         | 150.0        | FFG                                |                     |                      | 187                     | 22                     |
| 2392-07214        | 00000/0000                   | 2-20020/1692                | 02/18/76         | 100            | 5460            | 5252N                        | 04332E        | 20.5         | 149.1        | FGGG                               |                     |                      | 187                     | 23                     |
| 2392-07221        | 00000/0000                   | 2-20020/1693                | 02/18/76         | 90             | 5460            | 5128N                        | 04250E        | 21.5         | 148.2        | FGGG                               |                     |                      | 187                     | 24                     |
| 2392-07223        | 00000/0000                   | 2-20020/1694                | 02/18/76         | 80             | 5460            | 5003N                        | 04210E        | 22.5         | 147.4        | FGGG                               |                     |                      | 187                     | 25                     |
| 2392-07230        | 00000/0000                   | 2-20020/1695                | 02/18/76         | 90             | 5460            | 4829N                        | 04131E        | 23.5         | 146.5        | FGGG                               |                     |                      | 187                     | 26                     |
| 2392-07232        | 00000/0000                   | 2-20020/1696                | 02/18/76         | 70             | 5460            | 4715N                        | 04054E        | 24.4         | 145.6        | FGGG                               |                     |                      | 187                     | 27                     |
| 2392-07235        | 00000/0000                   | 2-20020/1697                | 02/18/76         | 60             | 5460            | 4550N                        | 04019E        | 25.4         | 144.8        | GGGG                               |                     |                      | 187                     | 28                     |
| 2392-07241        | 00000/0000                   | 2-20020/1698                | 02/18/76         | 0              | 5460            | 4426N                        | 03946E        | 26.4         | 143.9        | GGGG                               |                     |                      | 187                     | 29                     |
| 2392-07244        | 00000/0000                   | 2-20020/1699                | 02/18/76         | 30             | 5460            | 4301N                        | 03914E        | 27.3         | 143.1        | GGGG                               |                     |                      | 187                     | 30                     |
| 2392-07341        | 00000/0000                   | 2-20020/1700                | 02/18/76         | 10             | 5460            | 1007N                        | 03000E        | 44.7         | 118.0        | FGFG                               |                     |                      | 187                     | 53                     |
| 2392-07344        | 00000/0000                   | 2-20020/1701                | 02/18/76         | 10             | 5460            | 0841N                        | 02939E        | 45.1         | 116.6        | GGGG                               |                     |                      | 187                     | 54                     |
| 2392-07350        | 00000/0000                   | 2-20020/1702                | 02/18/76         | 0              | 5460            | 0714N                        | 02918E        | 45.5         | 115.2        | GGGG                               |                     |                      | 187                     | 55                     |
| 2392-07423        | 00000/0000                   | 2-20020/1703                | 02/18/76         | 30             | 5460            | 1842S                        | 02313E        | 46.6         | 87.6         | GGGG                               |                     |                      | 187                     | 73                     |
| 2392-07430        | 00000/0000                   | 2-20020/1704                | 02/18/76         | 50             | 5460            | 2008S                        | 02251E        | 46.2         | 86.2         | PPPP                               |                     |                      | 187                     | 74                     |
| 2392-09114        | 00000/0000                   | 2-20021/0114                | 02/18/76         | 0              | 5461            | 3015N                        | 00917E        | 35.3         | 134.8        | GGGG                               |                     |                      | 205                     | 39                     |
| 2392-09120        | 00000/0000                   | 2-20021/0115                | 02/18/76         | 0              | 5461            | 2850N                        | 00853E        | 36.2         | 133.8        | GGFG                               |                     |                      | 205                     | 40                     |
| 2392-09123        | 00000/0000                   | 2-20021/0116                | 02/18/76         | 0              | 5461            | 2723N                        | 00829E        | 36.9         | 132.8        | GGGG                               |                     |                      | 205                     | 41                     |
| 2392-09141        | 00000/0000                   | 2-20021/0117                | 02/18/76         | 20             | 5461            | 2139N                        | 00658E        | 39.9         | 128.3        | FGFF                               |                     |                      | 205                     | 45                     |
| 2392-09143        | 00000/0000                   | 2-20021/0118                | 02/18/76         | 30             | 5461            | 2013N                        | 00636E        | 40.6         | 127.2        | GFGF                               |                     |                      | 205                     | 46                     |
| 2392-09150        | 00000/0000                   | 2-20021/0119                | 02/18/76         | 40             | 5461            | 1847N                        | 00614E        | 41.3         | 126.0        | GGGG                               |                     |                      | 205                     | 47                     |
| 2392-09152        | 00000/0000                   | 2-20021/0120                | 02/18/76         | 60             | 5461            | 1721N                        | 00553E        | 41.9         | 124.7        | GGGG                               |                     |                      | 205                     | 48                     |

KEYS: CLSUD COVER x ..... 0 TO 100 = % CLSUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2392-09155        | 00000/0000                   | 2-20021/0121                | 02/18/76         | 0              | 5461            | 1554N                              | 00532E                              | 42.5         | 123.4        | GGGG                               |                     |                      | 205                     | 49                     |
| 2392-09161        | 00000/0000                   | 2-20021/0122                | 02/18/76         | 0              | 5461            | 1477N                              | 00511E                              | 43.1         | 122.1        | FGGG                               |                     |                      | 205                     | 50                     |
| 2392-09164        | 00000/0000                   | 2-20021/0123                | 02/18/76         | 0              | 5461            | 1301N                              | 00450E                              | 43.6         | 120.8        | GGFG                               |                     |                      | 205                     | 51                     |
| 2392-09170        | 00000/0000                   | 2-20021/0124                | 02/18/76         | 0              | 5461            | 1136N                              | 00430E                              | 44.2         | 119.4        | GGFG                               |                     |                      | 205                     | 52                     |
| 2392-10461        | 00000/0000                   | 2-20021/0125                | 02/18/76         | 90             | 5462            | 5950N                              | 00349W                              | 15.4         | 153.9        | GGGG                               |                     |                      | 223                     | 18                     |
| 2392-10463        | 00000/0000                   | 2-20021/0126                | 02/18/76         | 90             | 5462            | 5827N                              | 00446W                              | 16.4         | 152.9        | GGGG                               |                     |                      | 223                     | 19                     |
| 2392-10470        | 00000/0000                   | 2-20021/0127                | 02/18/76         | 80             | 5462            | 5705N                              | 00539W                              | 17.4         | 151.9        | GGGG                               |                     |                      | 223                     | 20                     |
| 2392-10472        | 00000/0000                   | 2-20021/0128                | 02/18/76         | 90             | 5462            | 5542N                              | 00429W                              | 18.5         | 150.9        | GGGG                               |                     |                      | 223                     | 21                     |
| 2392-10475        | 00000/0000                   | 2-20021/0129                | 02/18/76         | 70             | 5462            | 5418N                              | 00717W                              | 19.5         | 150.0        | GGGG                               |                     |                      | 223                     | 22                     |
| 2392-10481        | 00000/0000                   | 2-20021/0130                | 02/18/76         | 60             | 5462            | 5254N                              | 00802W                              | 20.5         | 149.1        | GGGG                               |                     |                      | 223                     | 23                     |
| 2392-10484        | 00000/0000                   | 2-20021/0131                | 02/18/76         | 70             | 5462            | 5130N                              | 00844W                              | 21.5         | 148.2        | GGFG                               |                     |                      | 223                     | 24                     |
| 2392-10493        | 00000/0000                   | 2-20021/0132                | 02/18/76         | 90             | 5462            | 4841N                              | 01003W                              | 23.5         | 146.5        | GG                                 |                     |                      | 223                     | 26                     |
| 2392-14142        | 00000/0000                   | 2-20021/0162                | 02/18/76         | 10             | 5464            | 5418N                              | 05857W                              | 19.5         | 150.0        | GGGG                               |                     |                      | 8                       | 22                     |
| 2392-14542        | 00000/0000                   | 2-20021/0133                | 02/18/76         | 90             | 5464            | 7916S                              | 13802W                              | 10.1         | 100.2        | FGGG                               |                     |                      | 7                       | 118                    |
| 2392-15585        | 00000/0000                   | 2-20021/0163                | 02/18/76         | 100            | 5465            | 5005N                              | 08656W                              | 22.6         | 147.3        | FGGG                               |                     |                      | 26                      | 25                     |
| 2392-16065        | 00000/0000                   | 2-20020/1688                | 02/18/76         | 40             | 5465            | 2303N                              | 09556W                              | 39.3         | 129.4        | GGFG                               |                     |                      | 26                      | 44                     |
| 2392-16071        | 00000/0000                   | 2-20020/1689                | 02/18/76         | 30             | 5465            | 2137N                              | 09417W                              | 40.0         | 128.2        | GGGG                               |                     |                      | 26                      | 45                     |
| 2392-16074        | 00000/0000                   | 2-20020/1690                | 02/18/76         | 40             | 5465            | 2011N                              | 09639W                              | 40.7         | 127.1        | GGGG                               |                     |                      | 26                      | 46                     |
| 2392-22495        | 00000/0000                   | 2-20021/0164                | 02/18/76         | 20             | 5469            | 5703N                              | 17336E                              | 17.6         | 151.8        | GGGG                               |                     |                      | 98                      | 20                     |
| 2392-22502        | 00000/0000                   | 2-20021/0165                | 02/18/76         | 20             | 5469            | 5540N                              | 17246E                              | 18.7         | 150.9        | GGGG                               |                     |                      | 98                      | 21                     |
| 2393-02253        | 00000/0000                   | 2-20021/0134                | 02/19/76         | 100            | 5471            | 2556N                              | 10957E                              | 37.9         | 131.5        | GGGG                               |                     |                      | 134                     | 42                     |
| 2393-02260        | 00000/0000                   | 2-20021/0135                | 02/19/76         | 100            | 5471            | 2430N                              | 10934E                              | 38.7         | 130.4        | GGGG                               |                     |                      | 134                     | 43                     |
| 2393-02262        | 00000/0000                   | 2-20021/0136                | 02/19/76         | 100            | 5471            | 2305N                              | 10911E                              | 39.4         | 129.3        | FGGG                               |                     |                      | 134                     | 44                     |
| 2393-02265        | 00000/0000                   | 2-20021/0137                | 02/19/76         | 100            | 5471            | 2199N                              | 10849E                              | 40.1         | 128.1        | GGGG                               |                     |                      | 134                     | 45                     |
| 2393-04082        | 00000/0000                   | 2-20021/0138                | 02/19/76         | 0              | 5472            | 2723N                              | 08430E                              | 37.2         | 132.6        | FGFG                               |                     |                      | 152                     | 41                     |
| 2393-04085        | 00000/0000                   | 2-20021/0139                | 02/19/76         | 0              | 5472            | 2558N                              | 08407E                              | 37.9         | 131.5        | FGFG                               |                     |                      | 152                     | 42                     |
| 2393-04091        | 00000/0000                   | 2-20021/0140                | 02/19/76         | 0              | 5472            | 2432N                              | 08344E                              | 38.7         | 130.4        | FGGG                               |                     |                      | 152                     | 43                     |
| 2393-04094        | 00000/0000                   | 2-20021/0141                | 02/19/76         | 0              | 5472            | 2305N                              | 08322E                              | 39.4         | 129.2        | GGGG                               |                     |                      | 152                     | 44                     |
| 2393-04100        | 00000/0000                   | 2-20021/0142                | 02/19/76         | 0              | 5472            | 2139N                              | 08300E                              | 40.1         | 128.1        | FGGG                               |                     |                      | 152                     | 45                     |
| 2393-04103        | 00000/0000                   | 2-20021/0143                | 02/19/76         | 0              | 5472            | 2013N                              | 08238E                              | 40.8         | 126.9        | FGFG                               |                     |                      | 152                     | 46                     |
| 2393-04105        | 00000/0000                   | 2-20021/0144                | 02/19/76         | 0              | 5472            | 1847N                              | 08216E                              | 41.5         | 125.7        | FGGG                               |                     |                      | 152                     | 47                     |
| 2393-04132        | 00000/0000                   | 2-20021/0145                | 02/19/76         | 20             | 5472            | 1007N                              | 08011E                              | 44.8         | 117.7        | FFGG                               |                     |                      | 152                     | 53                     |
| 2393-04135        | 00000/0000                   | 2-20021/0146                | 02/19/76         | 30             | 5472            | 0841N                              | 07951E                              | 45.2         | 116.3        | FGGG                               |                     |                      | 152                     | 54                     |
| 2393-04141        | 00000/0000                   | 2-20021/0147                | 02/19/76         | 60             | 5472            | 0715N                              | 07931E                              | 45.7         | 114.8        | FFFG                               |                     |                      | 152                     | 55                     |
| 2393-05484        | 00000/0000                   | 2-20021/0154                | 02/19/76         | 10             | 5473            | 3722N                              | 06139E                              | 31.3         | 139.4        | FGGG                               |                     |                      | 170                     | 34                     |
| 2393-05491        | 00000/0000                   | 2-20021/0155                | 02/19/76         | 30             | 5473            | 3557N                              | 06111E                              | 32.2         | 138.5        | GGGG                               |                     |                      | 170                     | 35                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>R9V MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2393-05493        | 00000/0000                   | 2-20021/0156                | 02/19/76         | 10             | 5473                   | 3432N                        | 06045E        | 33.1         | 137.6        | GGGG                               |                     |                      | 170                     | 36                     |
| 2393-05500        | 00000/0000                   | 2-20021/0157                | 02/19/76         | 0              | 5473                   | 3306N                        | 06019E        | 33.9         | 136.6        | GGGG                               |                     |                      | 170                     | 37                     |
| 2393-05502        | 00000/0000                   | 2-20021/0158                | 02/19/76         | 10             | 5473                   | 3140N                        | 05953E        | 34.8         | 135.6        | GGGG                               |                     |                      | 170                     | 38                     |
| 2393-05505        | 00000/0000                   | 2-20021/0159                | 02/19/76         | 10             | 5473                   | 3014N                        | 05928E        | 35.6         | 134.6        | GGGG                               |                     |                      | 170                     | 39                     |
| 2393-05511        | 00000/0000                   | 2-20021/0160                | 02/19/76         | 0              | 5473                   | 2848N                        | 05903E        | 36.4         | 133.6        | GGGG                               |                     |                      | 170                     | 40                     |
| 2393-05514        | 00000/0000                   | 2-20021/0161                | 02/19/76         | 10             | 5473                   | 2722N                        | 05840E        | 37.2         | 132.5        | GGGG                               |                     |                      | 170                     | 41                     |
| 2393-07270        | 00000/0000                   | 2-20021/0173                | 02/19/76         | 50             | 5474                   | 5418N                        | 04262E        | 19.8         | 149.9        | GGGG                               |                     |                      | 188                     | 29                     |
| 2393-07273        | 00000/0000                   | 2-20021/0174                | 02/19/76         | 50             | 5474                   | 5255N                        | 04207E        | 20.8         | 149.0        | GGGG                               |                     |                      | 188                     | 23                     |
| 2393-09163        | 00000/0000                   | 2-20021/0333                | 02/19/76         | 10             | 5475                   | 3305N                        | 00842E        | 34.0         | 136.6        | GFFG                               |                     |                      | 206                     | 37                     |
| 2393-09170        | 00000/0000                   | 2-20021/0240                | 02/19/76         | 0              | 5475                   | 3140N                        | 00816E        | 34.8         | 135.6        | P GG                               |                     |                      | 206                     | 38                     |
| 2393-09172        | 00000/0000                   | 2-20021/0254                | 02/19/76         | 0              | 5475                   | 3014N                        | 00752E        | 35.6         | 134.6        | FGGG                               |                     |                      | 206                     | 39                     |
| 2393-09175        | 00000/0000                   | 2-20021/0255                | 02/19/76         | 0              | 5475                   | 2849N                        | 00727E        | 36.4         | 133.5        | FGGG                               |                     |                      | 206                     | 40                     |
| 2393-09181        | 00000/0000                   | 2-20021/0256                | 02/19/76         | 0              | 5475                   | 2723N                        | 00703E        | 37.2         | 132.5        | FGGG                               |                     |                      | 206                     | 41                     |
| 2393-09202        | 00000/0000                   | 2-20021/0257                | 02/19/76         | 70             | 5475                   | 2013N                        | 00512E        | 40.9         | 126.8        | FGGG                               |                     |                      | 206                     | 46                     |
| 2393-09204        | 00000/0000                   | 2-20021/0258                | 02/19/76         | 90             | 5475                   | 1846N                        | 00450E        | 41.5         | 125.6        | FGGG                               |                     |                      | 206                     | 47                     |
| 2393-09211        | 00000/0000                   | 2-20021/0259                | 02/19/76         | 40             | 5475                   | 1720N                        | 00428E        | 42.1         | 124.3        | FGGG                               |                     |                      | 206                     | 48                     |
| 2393-09213        | 00000/0000                   | 2-20021/0260                | 02/19/76         | 0              | 5475                   | 1553N                        | 00407E        | 42.7         | 123.0        | FGGG                               |                     |                      | 206                     | 49                     |
| 2393-09220        | 00000/0000                   | 2-20021/0261                | 02/19/76         | 0              | 5475                   | 1427N                        | 00346E        | 43.3         | 121.7        | FGGG                               |                     |                      | 206                     | 50                     |
| 2393-09222        | 00000/0000                   | 2-20021/0262                | 02/19/76         | 0              | 5475                   | 1301N                        | 00325E        | 43.8         | 120.4        | FGGG                               |                     |                      | 206                     | 51                     |
| 2393-09225        | 00000/0000                   | 2-20021/0263                | 02/19/76         | 10             | 5475                   | 1134N                        | 00304E        | 44.4         | 119.0        | FGGG                               |                     |                      | 206                     | 52                     |
| 2393-10515        | 00000/0000                   | 2-20021/0184                | 02/19/76         | 100            | 5476                   | 5950N                        | 00514W        | 15.7         | 153.8        | GFFG                               |                     |                      | 224                     | 18                     |
| 2393-10522        | 00000/0000                   | 2-20021/0185                | 02/19/76         | 90             | 5476                   | 5827N                        | 00612W        | 16.8         | 152.8        | GFFG                               |                     |                      | 224                     | 19                     |
| 2393-10524        | 00000/0000                   | 2-20021/0186                | 02/19/76         | 80             | 5476                   | 5704N                        | 00706W        | 17.8         | 151.8        | GFFG                               |                     |                      | 224                     | 20                     |
| 2393-10531        | 00000/0000                   | 2-20021/0187                | 02/19/76         | 80             | 5476                   | 5541N                        | 00756W        | 18.8         | 150.8        | FFFG                               |                     |                      | 224                     | 21                     |
| 2393-10533        | 00000/0000                   | 2-20021/0188                | 02/19/76         | 80             | 5476                   | 5416N                        | 00843W        | 19.8         | 149.9        | GFFG                               |                     |                      | 224                     | 22                     |
| 2393-10540        | 00000/0000                   | 2-20021/0189                | 02/19/76         | 60             | 5476                   | 5252N                        | 00927W        | 20.8         | 149.0        | GFFG                               |                     |                      | 224                     | 23                     |
| 2393-10542        | 00000/0000                   | 2-20021/0190                | 02/19/76         | 80             | 5476                   | 5128N                        | 01010W        | 21.8         | 148.1        | GFFG                               |                     |                      | 224                     | 24                     |
| 2393-10545        | 00000/0000                   | 2-20021/0191                | 02/19/76         | 60             | 5476                   | 5004N                        | 01050W        | 22.8         | 147.2        | GFFG                               |                     |                      | 224                     | 25                     |
| 2393-10551        | 00000/0000                   | 2-20021/0192                | 02/19/76         | 30             | 5476                   | 4840N                        | 01129W        | 23.8         | 146.4        | GFFG                               |                     |                      | 224                     | 26                     |
| 2393-12594        | 00000/0000                   | 2-20021/0193                | 02/19/76         | 20             | 5477                   | 2425S                        | 05707W        | 44.9         | 81.7         | GFFG                               |                     |                      | 242                     | 77                     |
| 2393-13001        | 00000/0000                   | 2-20021/0194                | 02/19/76         | 10             | 5477                   | 2550S                        | 05730W        | 44.5         | 80.4         | PPPP                               |                     |                      | 242                     | 78                     |
| 2393-13003        | 00000/0000                   | 2-20021/0195                | 02/19/76         | 10             | 5477                   | 2716S                        | 05753W        | 44.0         | 79.2         | FFFF                               |                     |                      | 242                     | 79                     |
| 2393-13010        | 00000/0000                   | 2-20021/0196                | 02/19/76         | 10             | 5477                   | 2842S                        | 05817W        | 43.4         | 78.1         | GFFG                               |                     |                      | 242                     | 80                     |
| 2393-13012        | 00000/0000                   | 2-20021/0197                | 02/19/76         | 0              | 5477                   | 3008S                        | 05841W        | 42.9         | 77.0         | GFFG                               |                     |                      | 242                     | 81                     |
| 2393-13015        | 00000/0000                   | 2-20021/0198                | 02/19/76         | 10             | 5477                   | 3134S                        | 05905W        | 42.3         | 75.9         | PP P                               |                     |                      | 242                     | 82                     |
| 2393-13021        | 00000/0000                   | 2-20021/0199                | 02/19/76         | 90             | 5477                   | 3300S                        | 05930W        | 41.6         | 74.9         | GFFG                               |                     |                      | 242                     | 83                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN REEL<br>RBV | REEL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RAW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2393-13024        | 00000/0000                           | 2-20021/0200     | 02/19/76         | 90             | 5477            | 3425S                              | 05957W                              | 41.0         | 73.9         | GFGG                  |                     |                      | 242                     | 84                     |
| 2393-13030        | 00000/0000                           | 2-20021/0201     | 02/19/76         | 100            | 5477            | 3550S                              | 06024W                              | 40.3         | 73.0         | PPPP                  |                     |                      | 242                     | 85                     |
| 2393-13033        | 00000/0000                           | 2-20021/0202     | 02/19/76         | 90             | 5477            | 3716S                              | 06052W                              | 39.6         | 72.2         | GFGG                  |                     |                      | 242                     | 86                     |
| 2393-13035        | 00000/0000                           | 2-20021/0203     | 02/19/76         | 80             | 5477            | 3842S                              | 06120W                              | 38.9         | 71.4         | PPPP                  |                     |                      | 242                     | 87                     |
| 2393-13042        | 00000/0000                           | 2-20021/0204     | 02/19/76         | 80             | 5477            | 4007S                              | 06149W                              | 38.2         | 70.6         | FFFF                  |                     |                      | 242                     | 88                     |
| 2393-14212        | 00000/0000                           | 2-20021/0175     | 02/19/76         | 100            | 5478            | 5005N                              | 06232W                              | 22.9         | 147.2        | FGFF                  |                     |                      | 9                       | 25                     |
| 2393-14214        | 00000/0000                           | 2-20021/0176     | 02/19/76         | 100            | 5478            | 4840N                              | 06310W                              | 23.9         | 146.3        | PPFG                  |                     |                      | 9                       | 26                     |
| 2393-14223        | 00000/0000                           | 2-20021/0177     | 02/19/76         | 100            | 5478            | 4551N                              | 06421W                              | 25.8         | 144.6        | FFFF                  |                     |                      | 9                       | 28                     |
| 2393-14230        | 00000/0000                           | 2-20021/0178     | 02/19/76         | 90             | 5478            | 4427N                              | 06455W                              | 26.8         | 143.8        | FGFG                  |                     |                      | 9                       | 29                     |
| 2393-14232        | 00000/0000                           | 2-20021/0179     | 02/19/76         | 90             | 5478            | 4301N                              | 06527W                              | 27.7         | 142.9        | FGFG                  |                     |                      | 9                       | 30                     |
| 2393-14235        | 00000/0000                           | 2-20021/0180     | 02/19/76         | 40             | 5478            | 4136N                              | 06558W                              | 28.7         | 142.0        | FFGG                  |                     |                      | 9                       | 31                     |
| 2393-14335        | 00000/0000                           | 2-20021/0183     | 02/19/76         | 60             | 5478            | 0714N                              | 07523W                              | 45.7         | 114.6        | F G                   |                     |                      | 9                       | 55                     |
| 2393-14341        | 00000/0000                           | 2-20021/0241     | 02/19/76         | 90             | 5478            | 0547N                              | 07542W                              | 46.1         | 113.1        | FFGG                  |                     |                      | 9                       | 56                     |
| 2393-14344        | 00000/0000                           | 2-20021/0242     | 02/19/76         | 80             | 5478            | 0421N                              | 07602W                              | 46.4         | 111.6        | FGGG                  |                     |                      | 9                       | 57                     |
| 2393-14350        | 00000/0000                           | 2-20021/0243     | 02/19/76         | 70             | 5478            | 0254N                              | 07622W                              | 46.7         | 110.1        | FGGG                  |                     |                      | 9                       | 58                     |
| 2393-14353        | 00000/0000                           | 2-20021/0244     | 02/19/76         | 70             | 5478            | 0128N                              | 07642W                              | 47.0         | 108.6        | GGGG                  |                     |                      | 9                       | 59                     |
| 2393-14371        | 00000/0000                           | 2-20021/0245     | 02/19/76         | 90             | 5478            | 0417S                              | 07802W                              | 47.7         | 102.3        | FFGG                  |                     |                      | 9                       | 63                     |
| 2393-16041        | 00000/0000                           | 2-20021/0181     | 02/19/76         | 10             | 5479            | 5129N                              | 08743W                              | 21.9         | 148.1        | GGGG                  |                     |                      | 27                      | 24                     |
| 2393-16044        | 00000/0000                           | 2-20021/0182     | 02/19/76         | 20             | 5479            | 5005N                              | 08823W                              | 22.9         | 147.2        | FGFG                  |                     |                      | 27                      | 25                     |
| 2393-16121        | 00000/0000                           | 2-20021/0403     | 02/19/76         | 40             | 5479            | 2428N                              | 09659W                              | 38.8         | 130.2        | FGGG                  |                     |                      | 27                      | 43                     |
| 2393-16123        | 00000/0000                           | 2-20021/0404     | 02/19/76         | 40             | 5479            | 2302N                              | 09721W                              | 39.6         | 129.1        | GGGG                  |                     |                      | 27                      | 44                     |
| 2393-16130        | 00000/0000                           | 2-20021/0405     | 02/19/76         | 40             | 5479            | 2136N                              | 09743W                              | 40.3         | 127.9        | GGFG                  |                     |                      | 27                      | 45                     |
| 2393-16132        | 00000/0000                           | 2-20021/0406     | 02/19/76         | 40             | 5479            | 2010N                              | 09805W                              | 40.9         | 126.7        | GGGG                  |                     |                      | 27                      | 46                     |
| 2394-02314        | 00000/0000                           | 2-20021/0246     | 02/20/76         | 100            | 5485            | 2431N                              | 10807E                              | 38.9         | 130.1        | PPGG                  |                     |                      | 135                     | 43                     |
| 2394-02321        | 00000/0000                           | 2-20021/0247     | 02/20/76         | 100            | 5485            | 2304N                              | 10745E                              | 39.7         | 128.9        | FFGG                  |                     |                      | 135                     | 44                     |
| 2394-04141        | 00000/0000                           | 2-20021/0248     | 02/20/76         | 0              | 5486            | 2722N                              | 08304E                              | 37.4         | 132.3        | FGGG                  |                     |                      | 153                     | 41                     |
| 2394-04143        | 00000/0000                           | 2-20021/0249     | 02/20/76         | 0              | 5486            | 2557N                              | 08241E                              | 38.2         | 131.2        | FGGG                  |                     |                      | 153                     | 42                     |
| 2394-04150        | 00000/0000                           | 2-20021/0250     | 02/20/76         | 0              | 5486            | 2430N                              | 08217E                              | 39.0         | 130.1        | PGGG                  |                     |                      | 153                     | 43                     |
| 2394-04152        | 00000/0000                           | 2-20021/0251     | 02/20/76         | 60             | 5486            | 2304N                              | 08154E                              | 39.7         | 128.9        | GGGG                  |                     |                      | 153                     | 44                     |
| 2394-04155        | 00000/0000                           | 2-20021/0252     | 02/20/76         | 0              | 5486            | 2138N                              | 08132E                              | 40.4         | 127.7        | FFFF                  |                     |                      | 153                     | 45                     |
| 2394-04161        | 00000/0000                           | 2-20021/0253     | 02/20/76         | 0              | 5486            | 2012N                              | 08110E                              | 41.0         | 126.5        | FFFF                  |                     |                      | 153                     | 46                     |
| 2394-05561        | 00000/0000                           | 2-20021/0264     | 02/20/76         | 80             | 5487            | 3139N                              | 05825E                              | 35.1         | 135.4        | GGGG                  |                     |                      | 171                     | 38                     |
| 2394-05563        | 00000/0000                           | 2-20021/0265     | 02/20/76         | 70             | 5487            | 3014N                              | 05801E                              | 35.9         | 134.4        | GGGG                  |                     |                      | 171                     | 39                     |
| 2394-05570        | 00000/0000                           | 2-20021/0266     | 02/20/76         | 30             | 5487            | 2847N                              | 05737E                              | 36.7         | 133.3        | GGGG                  |                     |                      | 171                     | 40                     |
| 2394-05572        | 00000/0000                           | 2-20021/0267     | 02/20/76         | 40             | 5487            | 2721N                              | 05713E                              | 37.5         | 132.2        | GGGG                  |                     |                      | 171                     | 41                     |
| 2394-05575        | 00000/0000                           | 2-20021/0268     | 02/20/76         | 20             | 5487            | 2555N                              | 05650E                              | 38.2         | 131.2        | GFGG                  |                     |                      | 171                     | 42                     |

## KEYS:

CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-05  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBL | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LANG | SUN<br>FLV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|---------------|------------------------------|-------------------------------|-------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2394-07324        | 00000/0000                           | 2-20021/0334     | 02/20/76         | 10             | 5488          | 5416N                        | 04126E                        | 20.1        | 149.8        | GGGG                               |                     |                      | 189                     | 22                     |
| 2394-07331        | 00000/0000                           | 2-20021/0335     | 02/20/76         | 20             | 5488          | 5253N                        | 04041E                        | 21.1        | 148.9        | GGFF                               |                     |                      | 189                     | 23                     |
| 2394-07333        | 00000/0000                           | 2-20021/0336     | 02/20/76         | 30             | 5488          | 5129N                        | 03959E                        | 22.1        | 148.0        | GGGG                               |                     |                      | 189                     | 24                     |
| 2394-07340        | 00000/0000                           | 2-20021/0337     | 02/20/76         | 20             | 5488          | 5005N                        | 03918E                        | 23.1        | 147.1        | GGFG                               |                     |                      | 189                     | 25                     |
| 2394-07342        | 00000/0000                           | 2-20021/0338     | 02/20/76         | 40             | 5488          | 4841N                        | 03840E                        | 24.1        | 146.3        | GGGG                               |                     |                      | 189                     | 26                     |
| 2394-07345        | 00000/0000                           | 2-20021/0339     | 02/20/76         | 90             | 5488          | 4717N                        | 03803E                        | 25.1        | 145.4        | GGGG                               |                     |                      | 189                     | 27                     |
| 2394-07351        | 00000/0000                           | 2-20021/0340     | 02/20/76         | 90             | 5488          | 4552N                        | 03729E                        | 26.1        | 144.5        | GGGG                               |                     |                      | 189                     | 28                     |
| 2394-07354        | 00000/0000                           | 2-20021/0341     | 02/20/76         | 30             | 5488          | 4428N                        | 03656E                        | 27.0        | 143.7        | FFFF                               |                     |                      | 189                     | 29                     |
| 2394-07401        | 00000/0000                           | 2-20021/0342     | 02/20/76         | 10             | 5488          | 2847N                        | 03150E                        | 36.7        | 133.3        | FGGG                               |                     |                      | 189                     | 40                     |
| 2394-07404        | 00000/0000                           | 2-20021/0343     | 02/20/76         | 10             | 5488          | 2721N                        | 03126E                        | 37.5        | 132.2        | GGGG                               |                     |                      | 189                     | 41                     |
| 2394-07410        | 00000/0000                           | 2-20021/0344     | 02/20/76         | 10             | 5488          | 2555N                        | 03103E                        | 38.3        | 131.1        | GGGG                               |                     |                      | 189                     | 42                     |
| 2394-07413        | 00000/0000                           | 2-20021/0345     | 02/20/76         | 0              | 5488          | 2429N                        | 03040E                        | 39.0        | 130.0        | FGFF                               |                     |                      | 189                     | 43                     |
| 2394-07415        | 00000/0000                           | 2-20021/0346     | 02/20/76         | 0              | 5488          | 2304N                        | 03017E                        | 39.7        | 128.9        | FGGG                               |                     |                      | 189                     | 44                     |
| 2394-07422        | 00000/0000                           | 2-20021/0347     | 02/20/76         | 0              | 5488          | 2177N                        | 02955E                        | 40.4        | 127.7        | FGFG                               |                     |                      | 189                     | 45                     |
| 2394-07424        | 00000/0000                           | 2-20021/0269     | 02/20/76         | 0              | 5488          | 2011N                        | 02933E                        | 41.1        | 126.5        | FGGG                               |                     |                      | 189                     | 46                     |
| 2394-07431        | 00000/0000                           | 2-20021/0270     | 02/20/76         | 0              | 5488          | 1845N                        | 02911E                        | 41.7        | 125.2        | GGGG                               |                     |                      | 189                     | 47                     |
| 2394-07433        | 00000/0000                           | 2-20021/0271     | 02/20/76         | 0              | 5488          | 1718N                        | 02850E                        | 42.3        | 124.0        | GGGG                               |                     |                      | 189                     | 48                     |
| 2394-07440        | 00000/0000                           | 2-20021/0272     | 02/20/76         | 0              | 5488          | 1552N                        | 02828E                        | 42.9        | 122.7        | GGGG                               |                     |                      | 189                     | 49                     |
| 2394-07442        | 00000/0000                           | 2-20021/0273     | 02/20/76         | 0              | 5488          | 1426N                        | 02807E                        | 43.5        | 121.4        | GGGG                               |                     |                      | 189                     | 50                     |
| 2394-07445        | 00000/0000                           | 2-20021/0274     | 02/20/76         | 0              | 5488          | 1259N                        | 02747E                        | 44.0        | 120.0        | GGGG                               |                     |                      | 189                     | 51                     |
| 2394-07451        | 00000/0000                           | 2-20021/0275     | 02/20/76         | 0              | 5488          | 1133N                        | 02727E                        | 44.5        | 118.6        | GGGG                               |                     |                      | 189                     | 52                     |
| 2394-07454        | 00000/0000                           | 2-20021/0276     | 02/20/76         | 0              | 5488          | 1007N                        | 02707E                        | 45.0        | 117.2        | GGGG                               |                     |                      | 189                     | 53                     |
| 2394-07460        | 00000/0000                           | 2-20021/0277     | 02/20/76         | 20             | 5488          | 0842N                        | 02646E                        | 45.4        | 115.8        | GGGG                               |                     |                      | 189                     | 54                     |
| 2394-07463        | 00000/0000                           | 2-20021/0278     | 02/20/76         | 30             | 5488          | 0714N                        | 02626E                        | 45.8        | 114.3        | GGGG                               |                     |                      | 189                     | 55                     |
| 2394-07465        | 00000/0000                           | 2-20021/0279     | 02/20/76         | 20             | 5488          | 0546N                        | 02606E                        | 46.2        | 112.8        | GGGG                               |                     |                      | 189                     | 56                     |
| 2394-07472        | 00000/0000                           | 2-20021/0280     | 02/20/76         | 90             | 5488          | 0421N                        | 02547E                        | 46.5        | 111.3        | GGGG                               |                     |                      | 189                     | 57                     |
| 2394-07490        | 00000/0000                           | 2-20021/0281     | 02/20/76         | 70             | 5488          | 0124S                        | 02426E                        | 47.5        | 105.1        | GGGG                               |                     |                      | 189                     | 61                     |
| 2394-09221        | 00000/0000                           | 2-20021/0296     | 02/20/76         | 10             | 5489          | 3304N                        | 00716E                        | 34.3        | 136.3        | G G                                |                     |                      | 207                     | 37                     |
| 2394-09224        | 00000/0000                           | 2-20021/0297     | 02/20/76         | 10             | 5489          | 3138N                        | 00651E                        | 35.1        | 135.3        | GGGG                               |                     |                      | 207                     | 38                     |
| 2394-09230        | 00000/0000                           | 2-20021/0298     | 02/20/76         | 10             | 5489          | 3013N                        | 00626E                        | 35.9        | 134.3        | FGGG                               |                     |                      | 207                     | 39                     |
| 2394-09274        | 00000/0000                           | 2-20021/0299     | 02/20/76         | 10             | 5489          | 1425N                        | 00220E                        | 43.5        | 121.3        | GGGG                               |                     |                      | 207                     | 50                     |
| 2394-09280        | 00000/0000                           | 2-20021/0300     | 02/20/76         | 10             | 5489          | 1259N                        | 00159E                        | 44.0        | 120.0        | GGGG                               |                     |                      | 207                     | 51                     |
| 2394-09283        | 00000/0000                           | 2-20021/0301     | 02/20/76         | 10             | 5489          | 1133N                        | 00138E                        | 44.5        | 118.6        | GGGG                               |                     |                      | 207                     | 52                     |
| 2394-09285        | 00000/0000                           | 2-20021/0302     | 02/20/76         | 80             | 5489          | 1016N                        | 00117E                        | 45.0        | 117.2        | GGGG                               |                     |                      | 207                     | 53                     |
| 2394-10574        | 00000/0000                           | 2-20021/0303     | 02/20/76         | 40             | 5490          | 5949N                        | 00639W                        | 16.1        | 153.7        | GGGG                               |                     |                      | 225                     | 18                     |
| 2394-10580        | 00000/0000                           | 2-20021/0304     | 02/20/76         | 50             | 5490          | 5827N                        | 00737W                        | 17.1        | 152.7        | GGGG                               |                     |                      | 225                     | 19                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2394-10583        | 00000/0000                   | 2-20021/0305                | 02/20/76         | 70             | 5490            | 57.4N                        | 00831W        | 18.2         | 151.7        | GGGG                               |                     |                      | 225                     | 20                     |
| 2394-10585        | 00000/0000                   | 2-20021/0306                | 02/20/76         | 90             | 5490            | 55.0N                        | 00922W        | 19.2         | 150.7        | FGGG                               |                     |                      | 225                     | 21                     |
| 2394-10592        | 00000/0000                   | 2-20021/0307                | 02/20/76         | 90             | 5490            | 54.17N                       | 01010W        | 20.2         | 149.8        | GGGG                               |                     |                      | 225                     | 22                     |
| 2394-10594        | 00000/0000                   | 2-20021/0308                | 02/20/76         | 100            | 5490            | 5253N                        | 01056W        | 21.2         | 148.9        | GGGG                               |                     |                      | 225                     | 23                     |
| 2394-11001        | 00000/0000                   | 2-20021/0309                | 02/20/76         | 100            | 5490            | 51.28N                       | 01139W        | 22.2         | 148.0        | GGGG                               |                     |                      | 225                     | 24                     |
| 2394-11003        | 00000/0000                   | 2-20021/0310                | 02/20/76         | 100            | 5490            | 5004N                        | 01218W        | 23.2         | 147.1        | GGGG                               |                     |                      | 225                     | 25                     |
| 2394-11010        | 00000/0000                   | 2-20021/0311                | 02/20/76         | 90             | 5490            | 48.0N                        | 01256W        | 24.2         | 146.2        | GGGG                               |                     |                      | 225                     | 26                     |
| 2394-11362        | 00000/0000                   | 2-20021/0312                | 02/20/76         | 100            | 5490            | 71.1S                        | 06047W        | 16.7         | 74.5         | GGGG                               |                     |                      | 225                     | 111                    |
| 2394-13082        | 00000/0000                   | 2-20021/0313                | 02/20/76         | 90             | 5491            | 34.26S                       | 06122W        | 40.8         | 73.5         | GGGG                               |                     |                      | 243                     | 84                     |
| 2394-13085        | 00000/0000                   | 2-20021/0314                | 02/20/76         | 40             | 5491            | 35.51S                       | 06149W        | 40.1         | 72.6         | FGGG                               |                     |                      | 243                     | 85                     |
| 2394-13091        | 00000/0000                   | 2-20021/0315                | 02/20/76         | 40             | 5491            | 37.17S                       | 06217W        | 39.4         | 71.8         | GGGG                               |                     |                      | 243                     | 86                     |
| 2394-13094        | 00000/0000                   | 2-20021/0316                | 02/20/76         | 90             | 5491            | 38.42S                       | 06245W        | 38.7         | 71.0         | GGGG                               |                     |                      | 243                     | 87                     |
| 2394-13100        | 00000/0000                   | 2-20021/0317                | 02/20/76         | 90             | 5491            | 40.75S                       | 06314W        | 37.9         | 70.2         | GGFG                               |                     |                      | 243                     | 88                     |
| 2394-13103        | 00000/0000                   | 2-20021/0318                | 02/20/76         | 90             | 5491            | 41.33S                       | 06344W        | 37.2         | 69.6         | PPPP                               |                     |                      | 243                     | 89                     |
| 2394-13105        | 00000/0000                   | 2-20021/0319                | 02/20/76         | 90             | 5491            | 42.57S                       | 06415W        | 36.4         | 68.9         | FGGG                               |                     |                      | 243                     | 90                     |
| 2394-13112        | 00000/0000                   | 2-20021/0320                | 02/20/76         | 90             | 5491            | 44.22S                       | 06448W        | 35.6         | 68.3         | FGGG                               |                     |                      | 243                     | 91                     |
| 2394-13121        | 00000/0000                   | 2-20021/0321                | 02/20/76         | 20             | 5491            | 47.11S                       | 06557W        | 33.9         | 67.4         | FGGG                               |                     |                      | 243                     | 93                     |
| 2394-13130        | 00000/0000                   | 2-20021/0322                | 02/20/76         | 10             | 5491            | 50.00S                       | 06712W        | 32.2         | 66.6         | FFFG                               |                     |                      | 243                     | 95                     |
| 2394-13132        | 00000/0000                   | 2-20021/0323                | 02/20/76         | 10             | 5491            | 51.24S                       | 06753W        | 31.3         | 66.4         | FFGF                               |                     |                      | 243                     | 96                     |
| 2394-14270        | 00000/0000                   | 2-20021/0349                | 02/20/76         | 10             | 5492            | 50.4N                        | 06359W        | 23.2         | 147.1        | FGGG                               |                     |                      | 10                      | 25                     |
| 2394-14273        | 00000/0000                   | 2-20021/0350                | 02/20/76         | 20             | 5492            | 48.0N                        | 06437W        | 24.2         | 146.2        | FGGG                               |                     |                      | 10                      | 26                     |
| 2394-14293        | 00000/0000                   | 2-20021/0351                | 02/20/76         | 80             | 5492            | 41.35N                       | 06726W        | 29.0         | 141.8        | GGGG                               |                     |                      | 10                      | 31                     |
| 2394-14300        | 00000/0000                   | 2-20021/0352                | 02/20/76         | 50             | 5492            | 40.10N                       | 06756W        | 29.9         | 140.9        | FGGG                               |                     |                      | 10                      | 32                     |
| 2394-14302        | 00000/0000                   | 2-20021/0353                | 02/20/76         | 80             | 5492            | 38.45N                       | 06824W        | 30.8         | 140.0        | GGGG                               |                     |                      | 10                      | 33                     |
| 2394-16175        | 00000/0000                   | 2-20021/0348                | 02/20/76         | 70             | 5493            | 24.28N                       | 09825W        | 39.1         | 129.9        | GGGG                               |                     |                      | 28                      | 43                     |
| 2394-16481        | 00000/0000                   | 2-20021/0324                | 02/20/76         | 100            | 5493            | 77.9S                        | 15518W        | 11.4         | 89.5         | FGGG                               |                     |                      | 28                      | 116                    |
| 2394-18322        | 00000/0000                   | 2-20021/0325                | 02/20/76         | 100            | 5494            | 79.9S                        | 16722E        | 9.3          | 100.2        | FGGG                               |                     |                      | 46                      | 118                    |
| 2394-21133        | 00000/0000                   | 2-20021/0282                | 02/20/76         | 100            | 5496            | 71.49N                       | 14744W        | 6.8          | 167.5        | GGGF                               |                     |                      | 82                      | 9                      |
| 2395-02372        | 00000/0000                   | 2-20021/0326                | 02/21/76         | 100            | 5499            | 24.29N                       | 10640E        | 39.2         | 129.8        | FGGG                               |                     |                      | 136                     | 43                     |
| 2395-04195        | 00000/0000                   | 2-20021/0327                | 02/21/76         | 10             | 5500            | 27.21N                       | 08136E        | 37.7         | 132.0        | FGGG                               |                     |                      | 154                     | 41                     |
| 2395-04201        | 00000/0000                   | 2-20021/0328                | 02/21/76         | 0              | 5500            | 25.44N                       | 08113E        | 38.5         | 130.9        | GGGG                               |                     |                      | 154                     | 42                     |
| 2395-04204        | 00000/0000                   | 2-20021/0329                | 02/21/76         | 0              | 5500            | 24.28N                       | 08049E        | 39.2         | 129.7        | FFFF                               |                     |                      | 154                     | 43                     |
| 2395-04210        | 00000/0000                   | 2-20021/0330                | 02/21/76         | 0              | 5500            | 23.02N                       | 08027E        | 39.9         | 128.6        | GGGG                               |                     |                      | 154                     | 44                     |
| 2395-04213        | 00000/0000                   | 2-20021/0331                | 02/21/76         | 0              | 5500            | 21.37N                       | 08005E        | 40.6         | 127.4        | FGGG                               |                     |                      | 154                     | 45                     |
| 2395-04215        | 00000/0000                   | 2-20021/0332                | 02/21/76         | 0              | 5500            | 20.11N                       | 07943E        | 41.3         | 126.2        | FGGG                               |                     |                      | 154                     | 46                     |
| 2395-07383        | 00000/0000                   | 2-20021/0358                | 02/21/76         | 10             | 5502            | 54.15N                       | 04002E        | 20.5         | 149.7        | GGGG                               |                     |                      | 190                     | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2395-07385        | 00000/0000                   | 2-20021/0359                | 02/21/76         | 10             | 5502            | 5251N 03916E                            | 21.5         | 148.8        | GGGG                               |                     |                      | 190                     | 23                     |
| 2395-07392        | 00000/0000                   | 2-20021/0360                | 02/21/76         | 0              | 5502            | 5128N 03833E                            | 22.5         | 147.9        | GGGG                               |                     |                      | 190                     | 24                     |
| 2395-07401        | 00000/0000                   | 2-20021/0361                | 02/21/76         | 90             | 5502            | 4840N 03714E                            | 24.5         | 146.1        | GGGG                               |                     |                      | 190                     | 26                     |
| 2395-07453        | 00000/0000                   | 2-20021/0283                | 02/21/76         | 10             | 5502            | 3012N 03048E                            | 36.2         | 134.1        | GGGG                               |                     |                      | 190                     | 39                     |
| 2395-07460        | 00000/0000                   | 2-20021/0284                | 02/21/76         | 70             | 5502            | 2847N 03023E                            | 37.0         | 133.0        | GGGG                               |                     |                      | 190                     | 40                     |
| 2395-07462        | 00000/0000                   | 2-20021/0285                | 02/21/76         | 30             | 5502            | 2720N 02959E                            | 37.8         | 131.9        | GGGG                               |                     |                      | 190                     | 41                     |
| 2395-07465        | 00000/0000                   | 2-20021/0286                | 02/21/76         | 10             | 5502            | 2555N 02936E                            | 38.5         | 130.8        | GGGG                               |                     |                      | 190                     | 42                     |
| 2395-07471        | 00000/0000                   | 2-20021/0287                | 02/21/76         | 10             | 5502            | 2429N 02913E                            | 39.3         | 129.7        | GGGG                               |                     |                      | 190                     | 43                     |
| 2395-07474        | 00000/0000                   | 2-20021/0288                | 02/21/76         | 50             | 5502            | 2322N 02851E                            | 40.0         | 128.5        | GGGG                               |                     |                      | 190                     | 44                     |
| 2395-07480        | 00000/0000                   | 2-20021/0289                | 02/21/76         | 80             | 5502            | 2136N 02829E                            | 40.7         | 127.3        | GGGG                               |                     |                      | 190                     | 45                     |
| 2395-07483        | 00000/0000                   | 2-20021/0290                | 02/21/76         | 20             | 5502            | 2010N 02807E                            | 41.3         | 126.1        | GGGG                               |                     |                      | 190                     | 46                     |
| 2395-07485        | 00000/0000                   | 2-20021/0291                | 02/21/76         | 20             | 5502            | 1844N 02745E                            | 42.0         | 124.9        | GGGG                               |                     |                      | 190                     | 47                     |
| 2395-07492        | 00000/0000                   | 2-20021/0292                | 02/21/76         | 40             | 5502            | 1717N 02724E                            | 42.6         | 123.6        | GGGG                               |                     |                      | 190                     | 48                     |
| 2395-07494        | 00000/0000                   | 2-20021/0293                | 02/21/76         | 0              | 5502            | 1552N 02703E                            | 43.2         | 122.3        | GGGG                               |                     |                      | 190                     | 49                     |
| 2395-08162        | 00000/0000                   | 2-20021/0294                | 02/21/76         | 50             | 5502            | 7408S 01605W                            | 14.4         | 78.9         | GGGG                               |                     |                      | 190                     | 113                    |
| 2395-09294        | 00000/0000                   | 2-20021/0362                | 02/21/76         | 0              | 5503            | 2720N 00410E                            | 37.8         | 131.9        | FG G                               |                     |                      | 208                     | 41                     |
| 2395-09300        | 00000/0000                   | 2-20021/0363                | 02/21/76         | 0              | 5503            | 2554N 00347E                            | 38.6         | 130.8        | FFFF                               |                     |                      | 208                     | 42                     |
| 2395-09303        | 00000/0000                   | 2-20021/0364                | 02/21/76         | 0              | 5503            | 2428N 00324E                            | 39.3         | 129.7        | GGGG                               |                     |                      | 208                     | 43                     |
| 2395-09305        | 00000/0000                   | 2-20021/0365                | 02/21/76         | 10             | 5503            | 2322N 00302E                            | 40.0         | 128.5        | GGGG                               |                     |                      | 208                     | 44                     |
| 2395-09312        | 00000/0000                   | 2-20021/0366                | 02/21/76         | 10             | 5503            | 2136N 00239E                            | 40.7         | 127.3        | GGGG                               |                     |                      | 208                     | 45                     |
| 2395-09332        | 00000/0000                   | 2-20021/0367                | 02/21/76         | 10             | 5503            | 1424N 00052E                            | 43.7         | 120.9        | GFGG                               |                     |                      | 208                     | 50                     |
| 2395-09335        | 00000/0000                   | 2-20021/0368                | 02/21/76         | 40             | 5503            | 1258N 00031E                            | 44.3         | 119.5        | GFGG                               |                     |                      | 208                     | 51                     |
| 2395-09341        | 00000/0000                   | 2-20021/0369                | 02/21/76         | 40             | 5503            | 1132N 00011E                            | 44.7         | 118.1        | GGGG                               |                     |                      | 208                     | 52                     |
| 2395-11032        | 00000/0000                   | 2-20021/0370                | 02/21/76         | 100            | 5504            | 5950N 00804W                            | 16.4         | 153.7        | GGGG                               |                     |                      | 226                     | 18                     |
| 2395-11034        | 00000/0000                   | 2-20021/0371                | 02/21/76         | 80             | 5504            | 5829N 00902W                            | 17.5         | 152.6        | FGFG                               |                     |                      | 226                     | 19                     |
| 2395-11041        | 00000/0000                   | 2-20021/0372                | 02/21/76         | 40             | 5504            | 5727N 00956W                            | 18.5         | 151.6        | GGGG                               |                     |                      | 226                     | 20                     |
| 2395-11043        | 00000/0000                   | 2-20021/0357                | 02/21/76         | 40             | 5504            | 5543N 01047W                            | 19.5         | 150.7        | G GG                               |                     |                      | 226                     | 21                     |
| 2395-11050        | 00000/0000                   | 2-20021/0373                | 02/21/76         | 80             | 5504            | 5419N 01135W                            | 20.5         | 149.7        | GFGG                               |                     |                      | 226                     | 22                     |
| 2395-11052        | 00000/0000                   | 2-20021/0374                | 02/21/76         | 90             | 5504            | 5245N 01220W                            | 21.5         | 148.8        | GGGG                               |                     |                      | 226                     | 23                     |
| 2395-11055        | 00000/0000                   | 2-20021/0375                | 02/21/76         | 100            | 5504            | 5132N 01302W                            | 22.5         | 147.9        | GGGG                               |                     |                      | 226                     | 24                     |
| 2395-11061        | 00000/0000                   | 2-20021/0376                | 02/21/76         | 100            | 5504            | 5027N 01343W                            | 23.5         | 147.0        | GGGG                               |                     |                      | 226                     | 25                     |
| 2395-13122        | 00000/0000                   | 2-20021/0377                | 02/21/76         | 10             | 5505            | 2841S 06108W                            | 43.1         | 77.2         | PPPP                               |                     |                      | 244                     | 80                     |
| 2395-13131        | 00000/0000                   | 2-20021/0376                | 02/21/76         | 20             | 5505            | 3131S 06158W                            | 41.9         | 75.1         | GFGF                               |                     |                      | 244                     | 82                     |
| 2395-13134        | 00000/0000                   | 2-20021/0380                | 02/21/76         | 40             | 5505            | 3258S 06223W                            | 41.3         | 74.1         | FGGG                               |                     |                      | 244                     | 83                     |
| 2395-13140        | 00000/0000                   | 2-20021/0381                | 02/21/76         | 10             | 5505            | 3424S 06249W                            | 40.6         | 73.1         | FFFF                               |                     |                      | 244                     | 84                     |
| 2395-13143        | 00000/0000                   | 2-20021/0382                | 02/21/76         | 10             | 5505            | 3549S 06317W                            | 39.9         | 72.3         | FFGG                               |                     |                      | 244                     | 85                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2395-13145        | 00000/0000                   | 2-20021/0383                | 02/21/76         | 10             | 5505            | 3715S                              | 06345W                              | 39.2         | 71.4         | FFFF                  |                     |                      | 244                     | 86                     |
| 2395-13152        | 00000/0000                   | 2-20021/0384                | 02/21/76         | 10             | 5505            | 3840S                              | 06413W                              | 38.5         | 70.6         | GGFG                  |                     |                      | 244                     | 87                     |
| 2395-14322        | 00000/0000                   | 2-20021/0213                | 02/21/76         | 10             | 5506            | 5132N                              | 06441W                              | 22.6         | 147.9        | GGGG                  |                     |                      | 11                      | 24                     |
| 2395-14324        | 00000/0000                   | 2-20021/0214                | 02/21/76         | 10             | 5506            | 5007N                              | 06523W                              | 23.6         | 147.0        | GGGG                  |                     |                      | 11                      | 25                     |
| 2395-14331        | 00000/0000                   | 2-20021/0215                | 02/21/76         | 10             | 5506            | 4842N                              | 06602W                              | 24.5         | 146.1        | GGGG                  |                     |                      | 11                      | 26                     |
| 2395-14360        | 00000/0000                   | 2-20021/0216                | 02/21/76         | 10             | 5506            | 3848N                              | 06948W                              | 31.1         | 139.9        | GGGG                  |                     |                      | 11                      | 33                     |
| 2395-14363        | 00000/0000                   | 2-20021/0217                | 02/21/76         | 30             | 5506            | 3722N                              | 07017W                              | 32.0         | 138.9        | GGGG                  |                     |                      | 11                      | 34                     |
| 2395-14365        | 00000/0000                   | 2-20021/0218                | 02/21/76         | 50             | 5506            | 3557N                              | 07044W                              | 32.9         | 138.0        | GGGG                  |                     |                      | 11                      | 35                     |
| 2395-14372        | 00000/0000                   | 2-20021/0219                | 02/21/76         | 40             | 5506            | 3432N                              | 07111W                              | 33.8         | 137.0        | GGGG                  |                     |                      | 11                      | 36                     |
| 2395-16160        | 00000/0000                   | 2-20021/0355                | 02/21/76         | 0              | 5507            | 5007N                              | 09113W                              | 23.6         | 147.0        | GGGG                  |                     |                      | 29                      | 25                     |
| 2395-16233        | 00000/0000                   | 2-20021/0356                | 02/21/76         | 0              | 5507            | 2430N                              | 09951W                              | 39.3         | 129.6        | GGGG                  |                     |                      | 29                      | 43                     |
| 2395-17585        | 00000/0000                   | 2-20021/0354                | 02/21/76         | 50             | 5508            | 5131N                              | 11620W                              | 22.6         | 147.9        | GFG                   |                     |                      | 47                      | 24                     |
| 2395-21191        | 00000/0000                   | 2-20021/0295                | 02/21/76         | 20             | 5510            | 7148N                              | 14908W                              | 7.1          | 167.4        | FFGF                  |                     |                      | 83                      | 9                      |
| 2396-02431        | 00000/0000                   | 2-20021/0385                | 02/22/76         | 100            | 5513            | 2428N                              | 10515E                              | 39.5         | 129.4        | FGGG                  |                     |                      | 137                     | 43                     |
| 2396-02433        | 00000/0000                   | 2-20021/0386                | 02/22/76         | 90             | 5513            | 2303N                              | 10453E                              | 40.2         | 128.3        | GGGG                  |                     |                      | 137                     | 44                     |
| 2396-04251        | 00000/0000                   | 2-20021/0387                | 02/22/76         | 30             | 5514            | 2845N                              | 08034E                              | 37.2         | 132.8        | FGGG                  |                     |                      | 155                     | 40                     |
| 2396-04253        | 00000/0000                   | 2-20021/0388                | 02/22/76         | 0              | 5514            | 2720N                              | 08010E                              | 38.0         | 131.7        | FGGG                  |                     |                      | 155                     | 41                     |
| 2396-04262        | 00000/0000                   | 2-20021/0389                | 02/22/76         | 0              | 5514            | 2428N                              | 07924E                              | 39.5         | 129.4        | FGGG                  |                     |                      | 155                     | 43                     |
| 2396-04265        | 00000/0000                   | 2-20021/0390                | 02/22/76         | 0              | 5514            | 2302N                              | 07902E                              | 40.2         | 128.2        | FGGG                  |                     |                      | 155                     | 44                     |
| 2396-04271        | 00000/0000                   | 2-20021/0391                | 02/22/76         | 0              | 5514            | 2135N                              | 07840E                              | 40.9         | 127.0        | FGGG                  |                     |                      | 155                     | 45                     |
| 2396-07432        | 00000/0000                   | 2-20021/0409                | 02/22/76         | 10             | 5516            | 5706N                              | 04013E                              | 18.8         | 151.6        | GGGG                  |                     |                      | 191                     | 20                     |
| 2396-07434        | 00000/0000                   | 2-20021/0410                | 02/22/76         | 10             | 5516            | 5543N                              | 03923E                              | 19.8         | 150.6        | GGGG                  |                     |                      | 191                     | 21                     |
| 2396-07443        | 00000/0000                   | 2-20021/0411                | 02/22/76         | 10             | 5516            | 5256N                              | 03750E                              | 21.8         | 148.7        | GGGG                  |                     |                      | 191                     | 23                     |
| 2396-07450        | 00000/0000                   | 2-20021/0412                | 02/22/76         | 10             | 5516            | 5132N                              | 03707E                              | 22.8         | 147.8        | GGGG                  |                     |                      | 191                     | 24                     |
| 2396-07452        | 00000/0000                   | 2-20021/0413                | 02/22/76         | 10             | 5516            | 5008N                              | 03626E                              | 23.8         | 146.9        | GGG                   |                     |                      | 191                     | 25                     |
| 2396-07455        | 00000/0000                   | 2-20021/0414                | 02/22/76         | 10             | 5516            | 4843N                              | 03548E                              | 24.8         | 146.0        | GGG                   |                     |                      | 191                     | 26                     |
| 2396-07461        | 00000/0000                   | 2-20021/0415                | 02/22/76         | 70             | 5516            | 4719N                              | 03512E                              | 25.8         | 145.1        | GFG                   |                     |                      | 191                     | 27                     |
| 2396-07464        | 00000/0000                   | 2-20021/0416                | 02/22/76         | 0              | 5516            | 4554N                              | 03437E                              | 26.7         | 144.3        | GFG                   |                     |                      | 191                     | 28                     |
| 2396-07470        | 00000/0000                   | 2-20021/0417                | 02/22/76         | 90             | 5516            | 4429N                              | 03404E                              | 27.7         | 143.4        | GGGG                  |                     |                      | 191                     | 29                     |
| 2396-07520        | 00000/0000                   | 2-20021/0479                | 02/22/76         | 0              | 5516            | 2723N                              | 02835E                              | 38.0         | 131.7        | GGGG                  |                     |                      | 191                     | 41                     |
| 2396-07523        | 00000/0000                   | 2-20021/0480                | 02/22/76         | 0              | 5516            | 2557N                              | 02812E                              | 38.8         | 130.6        | FGGG                  |                     |                      | 191                     | 42                     |
| 2396-07525        | 00000/0000                   | 2-20021/0481                | 02/22/76         | 0              | 5516            | 2431N                              | 02749E                              | 39.5         | 129.4        | GFGG                  |                     |                      | 191                     | 43                     |
| 2396-07532        | 00000/0000                   | 2-20021/0482                | 02/22/76         | 30             | 5516            | 2305N                              | 02727E                              | 40.2         | 128.2        | FGGG                  |                     |                      | 191                     | 44                     |
| 2396-07534        | 00000/0000                   | 2-20021/0483                | 02/22/76         | 60             | 5516            | 2139N                              | 02705E                              | 40.9         | 127.0        | GGGG                  |                     |                      | 191                     | 45                     |
| 2396-07543        | 00000/0000                   | 2-20021/0429                | 02/22/76         | 0              | 5516            | 1847N                              | 02621E                              | 42.2         | 124.5        | GFGG                  |                     |                      | 191                     | 47                     |
| 2396-07550        | 00000/0000                   | 2-20021/0430                | 02/22/76         | 0              | 5516            | 1721N                              | 02600E                              | 42.8         | 123.2        | GFGG                  |                     |                      | 191                     | 48                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, SAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 25, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|--------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2396-07552        | 00000/0000                   | 2-20021/0431                         | 02/22/76         | 0              | 5516            | 1554N                              | 02538E                              | 43.4         | 121.9        | GFGG                               |                     |                      | 191                     | 49                     |
| 2396-07555        | 00000/0000                   | 2-20021/0432                         | 02/22/76         | 0              | 5516            | 1428N                              | 02517E                              | 43.9         | 120.6        | GGGG                               |                     |                      | 191                     | 50                     |
| 2396-07561        | 00000/0000                   | 2-20021/0432                         | 02/22/76         | 0              | 5516            | 1301N                              | 02456E                              | 44.4         | 119.2        | GGGG                               |                     |                      | 191                     | 51                     |
| 2396-07564        | 00000/0000                   | 2-20021/0433                         | 02/22/76         | 0              | 5516            | 1135N                              | 02436E                              | 44.9         | 117.8        | GGGG                               |                     |                      | 191                     | 52                     |
| 2396-07570        | 00000/0000                   | 2-20021/0434                         | 02/22/76         | 0              | 5516            | 1009N                              | 02415E                              | 45.4         | 116.3        | FGGG                               |                     |                      | 191                     | 53                     |
| 2396-07573        | 00000/0000                   | 2-20021/0435                         | 02/22/76         | 10             | 5516            | 0843N                              | 02355E                              | 45.8         | 114.9        | FGGG                               |                     |                      | 191                     | 54                     |
| 2396-07575        | 00000/0000                   | 2-20021/0436                         | 02/22/76         | 10             | 5516            | 0716N                              | 02335E                              | 46.1         | 113.4        | FGGG                               |                     |                      | 191                     | 55                     |
| 2396-07582        | 00000/0000                   | 2-20021/0437                         | 02/22/76         | 10             | 5516            | 0549N                              | 02315E                              | 46.5         | 111.9        | FGGG                               |                     |                      | 191                     | 56                     |
| 2396-07591        | 00000/0000                   | 2-20021/0438                         | 02/22/76         | 30             | 5516            | 0257N                              | 02234E                              | 47.1         | 108.8        | GGGG                               |                     |                      | 191                     | 58                     |
| 2396-07593        | 00000/0000                   | 2-20021/0439                         | 02/22/76         | 40             | 5516            | 0129N                              | 02214E                              | 47.3         | 107.2        | GGGG                               |                     |                      | 191                     | 59                     |
| 2396-08000        | 00000/0000                   | 2-20021/0400                         | 02/22/76         | 40             | 5516            | 0002N                              | 02155E                              | 47.5         | 105.6        | GGGG                               |                     |                      | 191                     | 60                     |
| 2396-08002        | 00000/0000                   | 2-20021/0401                         | 02/22/76         | 60             | 5516            | 0122S                              | 02135E                              | 47.6         | 104.1        | GGGG                               |                     |                      | 191                     | 61                     |
| 2396-08005        | 00000/0000                   | 2-20021/0402                         | 02/22/76         | 20             | 5516            | 0248S                              | 02115E                              | 47.7         | 102.5        | FGGG                               |                     |                      | 191                     | 62                     |
| 2396-09295        | 00000/0000                   | 2-20021/0433                         | 02/22/76         | 10             | 5517            | 4553N                              | 00848E                              | 26.7         | 144.2        | GFGG                               |                     |                      | 209                     | 28                     |
| 2396-09331        | 00000/0000                   | 2-20021/0434                         | 02/22/76         | 10             | 5517            | 3432N                              | 00450E                              | 34.0         | 136.9        | GGFG                               |                     |                      | 209                     | 36                     |
| 2396-09334        | 00000/0000                   | 2-20021/0435                         | 02/22/76         | 0              | 5517            | 3306N                              | 00424E                              | 34.9         | 135.9        | GGFG                               |                     |                      | 209                     | 37                     |
| 2396-09340        | 00000/0000                   | 2-20021/0436                         | 02/22/76         | 0              | 5517            | 3140N                              | 00359E                              | 35.7         | 134.8        | GGGG                               |                     |                      | 209                     | 38                     |
| 2396-09343        | 00000/0000                   | 2-20021/0437                         | 02/22/76         | 0              | 5517            | 3014N                              | 00334E                              | 36.5         | 133.8        | GGGG                               |                     |                      | 209                     | 39                     |
| 2396-09345        | 00000/0000                   | 2-20021/0438                         | 02/22/76         | 0              | 5517            | 2848N                              | 00310E                              | 37.3         | 132.7        | GGGG                               |                     |                      | 209                     | 40                     |
| 2396-09352        | 00000/0000                   | 2-20021/0439                         | 02/22/76         | 10             | 5517            | 2722N                              | 00246E                              | 38.1         | 131.6        | GGGG                               |                     |                      | 209                     | 41                     |
| 2396-09354        | 00000/0000                   | 2-20021/0440                         | 02/22/76         | 0              | 5517            | 2556N                              | 00223E                              | 38.8         | 130.5        | GGGG                               |                     |                      | 209                     | 42                     |
| 2396-09361        | 00000/0000                   | 2-20021/0441                         | 02/22/76         | 0              | 5517            | 2431N                              | 00200E                              | 39.5         | 129.4        | FGFG                               |                     |                      | 209                     | 43                     |
| 2396-09363        | 00000/0000                   | 2-20021/0442                         | 02/22/76         | 0              | 5517            | 2304N                              | 00137E                              | 40.2         | 128.2        | FGGG                               |                     |                      | 209                     | 44                     |
| 2396-09370        | 00000/0000                   | 2-20021/0443                         | 02/22/76         | 0              | 5517            | 2138N                              | 00115E                              | 40.9         | 127.0        | GGGF                               |                     |                      | 209                     | 45                     |
| 2396-09372        | 00000/0000                   | 2-20021/0444                         | 02/22/76         | 10             | 5517            | 2012N                              | 00053E                              | 41.6         | 125.8        | GGGG                               |                     |                      | 209                     | 46                     |
| 2396-09375        | 00000/0000                   | 2-20021/0445                         | 02/22/76         | 10             | 5517            | 1846N                              | 00031E                              | 42.2         | 124.5        | GGGG                               |                     |                      | 209                     | 47                     |
| 2396-09381        | 00000/0000                   | 2-20021/0446                         | 02/22/76         | 10             | 5517            | 1720N                              | 00010E                              | 42.8         | 123.2        | GGGG                               |                     |                      | 209                     | 48                     |
| 2396-09384        | 00000/0000                   | 2-20021/0447                         | 02/22/76         | 10             | 5517            | 1553N                              | 00010W                              | 43.4         | 121.9        | GGGG                               |                     |                      | 209                     | 49                     |
| 2396-09390        | 00000/0000                   | 2-20021/0448                         | 02/22/76         | 10             | 5517            | 1427N                              | 00031W                              | 43.9         | 120.5        | GGGG                               |                     |                      | 209                     | 50                     |
| 2396-09393        | 00000/0000                   | 2-20021/0449                         | 02/22/76         | 10             | 5517            | 1302N                              | 00052W                              | 44.4         | 119.1        | GGGG                               |                     |                      | 209                     | 51                     |
| 2396-09395        | 00000/0000                   | 2-20021/0450                         | 02/22/76         | 10             | 5517            | 1135N                              | 00113W                              | 44.9         | 117.7        | GGGG                               |                     |                      | 209                     | 52                     |
| 2396-09402        | 00000/0000                   | 2-20021/0451                         | 02/22/76         | 10             | 5517            | 1018N                              | 00133W                              | 45.4         | 116.3        | GGGG                               |                     |                      | 209                     | 53                     |
| 2396-13181        | 00000/0000                   | 2-20021/0462                         | 02/22/76         | 0              | 5519            | 2842S                              | 06236W                              | 42.9         | 76.7         | GGG                                |                     |                      | 245                     | 80                     |
| 2396-13183        | 00000/0000                   | 2-20021/0463                         | 02/22/76         | 0              | 5519            | 3007S                              | 06259W                              | 42.3         | 75.7         | FGGG                               |                     |                      | 245                     | 81                     |
| 2396-13190        | 00000/0000                   | 2-20021/0464                         | 02/22/76         | 0              | 5519            | 3133S                              | 06323W                              | 41.7         | 74.6         | FFFF                               |                     |                      | 245                     | 82                     |
| 2396-13192        | 00000/0000                   | 2-20021/0465                         | 02/22/76         | 0              | 5519            | 3259S                              | 06349W                              | 41.1         | 73.7         | FFFF                               |                     |                      | 245                     | 83                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

 LANDSAT-2  
 OBSERVATION ID LISTING  
 FOR NAM-US  
 FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | WIRSP FILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2396-13195        | 00000/0000                    | 2-20021/0466                | 02/22/76         | 0              | 5519            | 3405S                              | 06415W                              | 40.4         | 72.7         | PPPP                               |                     |                      | 245                     | 84                     |
| 2396-13201        | 00000/0000                    | 2-20021/0467                | 02/22/76         | 0              | 5519            | 3505S                              | 06442W                              | 39.7         | 71.9         | FFFF                               |                     |                      | 245                     | 85                     |
| 2396-13204        | 00000/0000                    | 2-20021/0468                | 02/22/76         | 0              | 5519            | 3716S                              | 06510W                              | 39.0         | 71.0         | PPPP                               |                     |                      | 245                     | 86                     |
| 2396-13210        | 00000/0000                    | 2-20021/0469                | 02/22/76         | 0              | 5519            | 3841S                              | 06538W                              | 38.2         | 70.3         | GGGG                               |                     |                      | 245                     | 87                     |
| 2396-14385        | 00000/0000                    | 2-20021/0209                | 02/22/76         | 100            | 5520            | 4842N                              | 06727W                              | 24.9         | 146.0        | GGGG                               |                     |                      | 12                      | 26                     |
| 2396-14430        | 00000/0000                    | 2-20021/0210                | 02/22/76         | 100            | 5520            | 3431N                              | 07237W                              | 34.1         | 136.8        | GGGG                               |                     |                      | 12                      | 36                     |
| 2396-14433        | 00000/0000                    | 2-20021/0211                | 02/22/76         | 100            | 5520            | 3305N                              | 07303W                              | 34.9         | 135.8        | GGGG                               |                     |                      | 12                      | 37                     |
| 2396-14435        | 00000/0000                    | 2-20021/0212                | 02/22/76         | 90             | 5520            | 3139N                              | 07328W                              | 35.8         | 134.8        | GGGG                               |                     |                      | 12                      | 38                     |
| 2396-21243        | 00000/0000                    | 2-20021/0379                | 02/22/76         | 100            | 5524            | 7301N                              | 14807W                              | 6.4          | 169.9        | FGGG                               |                     |                      | 84                      | 8                      |
| 2397-01094        | 00000/0000                    | 2-20021/0470                | 02/23/76         | 70             | 5526            | 1009N                              | 12606E                              | 45.5         | 116.0        | GGGG                               |                     |                      | 120                     | 53                     |
| 2397-01101        | 00000/0000                    | 2-20021/0471                | 02/23/76         | 60             | 5526            | 0842N                              | 12546E                              | 45.9         | 114.5        | GGGG                               |                     |                      | 120                     | 54                     |
| 2397-01103        | 00000/0000                    | 2-20021/0472                | 02/23/76         | 50             | 5526            | 0716N                              | 12526E                              | 46.3         | 113.0        | GGGG                               |                     |                      | 120                     | 55                     |
| 2397-02482        | 00000/0000                    | 2-20021/0473                | 02/23/76         | 80             | 5527            | 2557N                              | 10413E                              | 39.0         | 130.3        | GGGG                               |                     |                      | 138                     | 42                     |
| 2397-02485        | 00000/0000                    | 2-20021/0474                | 02/23/76         | 70             | 5527            | 2431N                              | 10350E                              | 39.7         | 129.2        | GGGG                               |                     |                      | 138                     | 43                     |
| 2397-02491        | 00000/0000                    | 2-20021/0475                | 02/23/76         | 60             | 5527            | 2305N                              | 10327E                              | 40.4         | 128.0        | GGGG                               |                     |                      | 138                     | 44                     |
| 2397-02494        | 00000/0000                    | 2-20021/0476                | 02/23/76         | 30             | 5527            | 2139N                              | 10305E                              | 41.1         | 126.8        | GGGG                               |                     |                      | 138                     | 45                     |
| 2397-02500        | 00000/0000                    | 2-20021/0477                | 02/23/76         | 10             | 5527            | 2013N                              | 10243E                              | 41.8         | 125.5        | GGGG                               |                     |                      | 138                     | 46                     |
| 2397-02503        | 00000/0000                    | 2-20021/0478                | 02/23/76         | 10             | 5527            | 1847N                              | 10222E                              | 42.4         | 124.2        | FGGG                               |                     |                      | 138                     | 47                     |
| 2397-04314        | 00000/0000                    | 2-20021/0484                | 02/23/76         | 0              | 5528            | 2556N                              | 07422E                              | 39.0         | 130.3        | GGGG                               |                     |                      | 156                     | 48                     |
| 2397-04320        | 00000/0000                    | 2-20021/0485                | 02/23/76         | 0              | 5528            | 2430N                              | 07759E                              | 39.8         | 129.1        | GGGG                               |                     |                      | 156                     | 49                     |
| 2397-04323        | 00000/0000                    | 2-20021/0486                | 02/23/76         | 0              | 5528            | 2304N                              | 07735E                              | 40.5         | 127.9        | GGGG                               |                     |                      | 156                     | 50                     |
| 2397-04325        | 00000/0000                    | 2-20021/0487                | 02/23/76         | 0              | 5528            | 2138N                              | 07713E                              | 41.1         | 126.7        | GGGG                               |                     |                      | 156                     | 51                     |
| 2397-04332        | 00000/0000                    | 2-20021/0488                | 02/23/76         | 0              | 5528            | 2011N                              | 07651E                              | 41.8         | 125.5        | GGGG                               |                     |                      | 156                     | 52                     |
| 2397-04334        | 00000/0000                    | 2-20021/0489                | 02/23/76         | 0              | 5528            | 1845N                              | 07630E                              | 42.4         | 124.2        | GGGG                               |                     |                      | 156                     | 53                     |
| 2397-04341        | 00000/0000                    | 2-20021/0490                | 02/23/76         | 0              | 5528            | 1719N                              | 07608E                              | 43.0         | 122.9        | GGGG                               |                     |                      | 156                     | 54                     |
| 2397-04343        | 00000/0000                    | 2-20021/0491                | 02/23/76         | 0              | 5528            | 1552N                              | 07547E                              | 43.6         | 121.6        | GGGG                               |                     |                      | 156                     | 55                     |
| 2397-04350        | 00000/0000                    | 2-20021/0492                | 02/23/76         | 0              | 5528            | 1426N                              | 07527E                              | 44.1         | 120.2        | GGGG                               |                     |                      | 156                     | 56                     |
| 2397-07490        | 00000/0000                    | 2-20021/0418                | 02/23/76         | 10             | 5530            | 5706N                              | 03446E                              | 19.2         | 151.5        | GG G                               |                     |                      | 192                     | 20                     |
| 2397-07493        | 00000/0000                    | 2-20021/0419                | 02/23/76         | 20             | 5530            | 5543N                              | 03756E                              | 20.2         | 150.5        | GG G                               |                     |                      | 192                     | 21                     |
| 2397-07495        | 00000/0000                    | 2-20021/0407                | 02/23/76         | 10             | 5530            | 5419N                              | 03708E                              | 21.2         | 149.5        | G GG                               |                     |                      | 192                     | 22                     |
| 2397-07513        | 00000/0000                    | 2-20021/0420                | 02/23/76         | 10             | 5530            | 4841N                              | 03423E                              | 25.1         | 145.9        | GGGG                               |                     |                      | 192                     | 26                     |
| 2397-07520        | 00000/0000                    | 2-20021/0452                | 02/23/76         | 10             | 5530            | 4717N                              | 03346E                              | 26.1         | 145.0        | GGGG                               |                     |                      | 192                     | 27                     |
| 2397-08031        | 00000/0000                    | 2-20021/0453                | 02/23/76         | 10             | 5530            | 0842N                              | 02229E                              | 45.9         | 114.4        | GGGF                               |                     |                      | 192                     | 54                     |
| 2397-08034        | 00000/0000                    | 2-20021/0454                | 02/23/76         | 10             | 5530            | 0715N                              | 02209E                              | 46.3         | 112.9        | GGGG                               |                     |                      | 192                     | 55                     |
| 2397-08040        | 00000/0000                    | 2-20021/0455                | 02/23/76         | 10             | 5530            | 0548N                              | 02148E                              | 46.6         | 111.4        | GGGF                               |                     |                      | 192                     | 56                     |
| 2397-08043        | 00000/0000                    | 2-20021/0456                | 02/23/76         | 10             | 5530            | 0422N                              | 02128E                              | 46.9         | 109.8        | GGFG                               |                     |                      | 192                     | 57                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NNN=US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SBBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SBBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2397-08045        | 00000/0000                   | 2-20021/0457                | 02/23/76         | 20             | 5530            | 0255N                        | 02108E        | 47.2         | 108.3        | GGGG                               |                     |                      | 192                     | 58                     |
| 2397-08052        | 00000/0000                   | 2-20021/0458                | 02/23/76         | 70             | 5530            | 0128N                        | 02049E        | 47.4         | 106.7        | GGGG                               |                     |                      | 192                     | 59                     |
| 2397-08254        | 00000/0000                   | 2-20021/0459                | 02/23/76         | 40             | 5530            | 6750S                        | 00728W        | 18.8         | 69.7         | FGGF                               |                     |                      | 192                     | 108                    |
| 2397-08261        | 00000/0000                   | 2-20021/0460                | 02/23/76         | 70             | 5530            | 6909S                        | 00915W        | 17.8         | 70.9         | GGGG                               |                     |                      | 192                     | 109                    |
| 2397-08263        | 00000/0000                   | 2-20021/0461                | 02/23/76         | 90             | 5530            | 7026S                        | 01114W        | 16.8         | 72.4         | GGGG                               |                     |                      | 192                     | 110                    |
| 2397-13214        | 00000/0000                   | 2-20021/0496                | 02/23/76         | 10             | 5533            | 2134S                        | 06207W        | 45.4         | 82.3         | FFFF                               |                     |                      | 246                     | 75                     |
| 2397-13221        | 00000/0000                   | 2-20021/0497                | 02/23/76         | 0              | 5533            | 2300S                        | 06229W        | 44.9         | 81.0         | GGGF                               |                     |                      | 246                     | 76                     |
| 2397-13223        | 00000/0000                   | 2-20021/0498                | 02/23/76         | 0              | 5533            | 2426S                        | 06252W        | 44.4         | 79.7         | GGGG                               |                     |                      | 246                     | 77                     |
| 2397-13230        | 00000/0000                   | 2-20021/0499                | 02/23/76         | 0              | 5533            | 2552S                        | 06315W        | 43.9         | 78.5         | GGGG                               |                     |                      | 246                     | 78                     |
| 2397-13232        | 00000/0000                   | 2-20021/0500                | 02/23/76         | 10             | 5533            | 2718S                        | 06338W        | 43.4         | 77.4         | GGGG                               |                     |                      | 246                     | 79                     |
| 2397-13235        | 00000/0000                   | 2-20021/0501                | 02/23/76         | 10             | 5533            | 2844S                        | 06401W        | 42.8         | 76.3         | FFGG                               |                     |                      | 246                     | 80                     |
| 2397-13244        | 00000/0000                   | 2-20021/0502                | 02/23/76         | 0              | 5533            | 3135S                        | 06449W        | 41.5         | 74.2         | FFFF                               |                     |                      | 246                     | 82                     |
| 2397-13250        | 00000/0000                   | 2-20021/0503                | 02/23/76         | 0              | 5533            | 3301S                        | 06514W        | 40.9         | 73.2         | FFFF                               |                     |                      | 246                     | 83                     |
| 2397-13253        | 00000/0000                   | 2-20021/0504                | 02/23/76         | 0              | 5533            | 3426S                        | 06541W        | 40.2         | 72.3         | FFFF                               |                     |                      | 246                     | 84                     |
| 2397-13255        | 00000/0000                   | 2-20021/0505                | 02/23/76         | 10             | 5533            | 3552S                        | 06408W        | 39.5         | 71.4         | GGGG                               |                     |                      | 246                     | 85                     |
| 2397-13264        | 00000/0000                   | 2-20021/0506                | 02/23/76         | 0              | 5533            | 3843S                        | 06704W        | 38.0         | 69.9         | GGGG                               |                     |                      | 246                     | 87                     |
| 2397-13271        | 00000/0000                   | 2-20021/0507                | 02/23/76         | 0              | 5533            | 4008S                        | 06734W        | 37.2         | 69.2         | FFFF                               |                     |                      | 246                     | 88                     |
| 2397-13273        | 00000/0000                   | 2-20021/0508                | 02/23/76         | 20             | 5533            | 4132S                        | 06803W        | 36.4         | 68.5         | FFFF                               |                     |                      | 246                     | 89                     |
| 2397-13280        | 00000/0000                   | 2-20021/0509                | 02/23/76         | 0              | 5533            | 4257S                        | 06834W        | 35.6         | 67.9         | FFFF                               |                     |                      | 246                     | 90                     |
| 2397-13282        | 00000/0000                   | 2-20021/0510                | 02/23/76         | 30             | 5533            | 4422S                        | 06906W        | 34.8         | 67.4         | GGFF                               |                     |                      | 246                     | 91                     |
| 2397-13285        | 00000/0000                   | 2-20021/0511                | 02/23/76         | 40             | 5533            | 4547S                        | 06940W        | 33.9         | 66.9         | GGFF                               |                     |                      | 246                     | 92                     |
| 2397-14444        | 00000/0000                   | 2-20021/0493                | 02/23/76         | 10             | 5534            | 4841N                        | 06855W        | 25.3         | 145.8        | GGGG                               |                     |                      | 13                      | 26                     |
| 2397-14500        | 00000/0000                   | 2-20021/0494                | 02/23/76         | 90             | 5534            | 3011N                        | 07522W        | 36.9         | 133.5        | GGGG                               |                     |                      | 13                      | 39                     |
| 2397-14505        | 00000/0000                   | 2-20021/0495                | 02/23/76         | 70             | 5534            | 2720N                        | 07409W        | 38.4         | 131.3        | GGGG                               |                     |                      | 13                      | 41                     |
| 2398-01135        | 00000/0000                   | 2-20021/0528                | 02/24/76         | 70             | 5540            | 1552N                        | 12601E        | 43.8         | 121.2        | GFGG                               |                     |                      | 121                     | 49                     |
| 2398-01141        | 00000/0000                   | 2-20021/0529                | 02/24/76         | 70             | 5540            | 1426N                        | 12540E        | 44.3         | 119.8        | GGGG                               |                     |                      | 121                     | 50                     |
| 2398-01144        | 00000/0000                   | 2-20021/0530                | 02/24/76         | 50             | 5540            | 1300N                        | 12519E        | 44.8         | 118.4        | GFGG                               |                     |                      | 121                     | 51                     |
| 2398-01150        | 00000/0000                   | 2-20021/0531                | 02/24/76         | 30             | 5540            | 1133N                        | 12459E        | 45.2         | 117.0        | GFGG                               |                     |                      | 121                     | 52                     |
| 2398-01153        | 00000/0000                   | 2-20021/0532                | 02/24/76         | 40             | 5540            | 1077N                        | 12439E        | 45.7         | 115.5        | GFFF                               |                     |                      | 121                     | 53                     |
| 2398-01155        | 00000/0000                   | 2-20021/0533                | 02/24/76         | 40             | 5540            | 0841N                        | 12418E        | 46.1         | 114.0        | GFGG                               |                     |                      | 121                     | 54                     |
| 2398-02520        | 00000/0000                   | 2-20021/0534                | 02/24/76         | 100            | 5541            | 3374N                        | 10446E        | 35.4         | 135.4        | GGGG                               |                     |                      | 139                     | 37                     |
| 2398-02523        | 00000/0000                   | 2-20021/0535                | 02/24/76         | 100            | 5541            | 3138N                        | 10421E        | 36.2         | 134.4        | GGGG                               |                     |                      | 139                     | 38                     |
| 2398-02525        | 00000/0000                   | 2-20021/0536                | 02/24/76         | 100            | 5541            | 3013N                        | 10357E        | 37.0         | 133.3        | GGGG                               |                     |                      | 139                     | 39                     |
| 2398-02532        | 00000/0000                   | 2-20021/0537                | 02/24/76         | 90             | 5541            | 2846N                        | 10333E        | 37.8         | 132.3        | GGGG                               |                     |                      | 139                     | 40                     |
| 2398-02534        | 00000/0000                   | 2-20021/0538                | 02/24/76         | 60             | 5541            | 2721N                        | 10309E        | 38.6         | 131.1        | GGGG                               |                     |                      | 139                     | 41                     |
| 2398-02541        | 00000/0000                   | 2-20021/0539                | 02/24/76         | 30             | 5541            | 2556N                        | 10246E        | 39.3         | 130.0        | GGGG                               |                     |                      | 139                     | 42                     |

KEYS: CLOUD COVER 1 ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2398-02543        | 00000/0000                   | 2-20021/0540                | 02/24/76         | 10             | 5541            | 2430N                        | 10223E        | 40.0         | 128.8        | GGGG                               |                     |                      | 139                     | 43                     |
| 2398-02550        | 00000/0000                   | 2-20021/0541                | 02/24/76         | 10             | 5541            | 2303N                        | 10200E        | 40.7         | 127.6        | FGGG                               |                     |                      | 139                     | 44                     |
| 2398-02552        | 00000/0000                   | 2-20021/0542                | 02/24/76         | 10             | 5541            | 2138N                        | 10138E        | 41.4         | 126.4        | FGGG                               |                     |                      | 139                     | 45                     |
| 2398-02555        | 00000/0000                   | 2-20021/0543                | 02/24/76         | 10             | 5541            | 2012N                        | 10116E        | 42.0         | 125.1        | GGGG                               |                     |                      | 139                     | 46                     |
| 2398-02561        | 00000/0000                   | 2-20021/0544                | 02/24/76         | 10             | 5541            | 1846N                        | 10055E        | 42.6         | 123.9        | GGFG                               |                     |                      | 139                     | 47                     |
| 2398-03000        | 00000/0000                   | 2-20021/0545                | 02/24/76         | 20             | 5541            | 0548N                        | 09749E        | 46.8         | 111.0        | GGGG                               |                     |                      | 139                     | 56                     |
| 2398-04361        | 00000/0000                   | 2-20021/0421                | 02/24/76         | 80             | 5542            | 3013N                        | 07808E        | 37.0         | 133.3        | GGGG                               |                     |                      | 157                     | 39                     |
| 2398-04363        | 00000/0000                   | 2-20021/0422                | 02/24/76         | 80             | 5542            | 2847N                        | 07744E        | 37.8         | 132.2        | GGGG                               |                     |                      | 157                     | 40                     |
| 2398-04370        | 00000/0000                   | 2-20021/0423                | 02/24/76         | 10             | 5542            | 2702N                        | 07720E        | 38.6         | 131.1        | GGGG                               |                     |                      | 157                     | 41                     |
| 2398-04372        | 00000/0000                   | 2-20021/0424                | 02/24/76         | 0              | 5542            | 2556N                        | 07656E        | 39.3         | 130.0        | FGGG                               |                     |                      | 157                     | 42                     |
| 2398-04375        | 00000/0000                   | 2-20021/0425                | 02/24/76         | 0              | 5542            | 2430N                        | 07633E        | 40.0         | 128.8        | GGGG                               |                     |                      | 157                     | 43                     |
| 2398-04381        | 00000/0000                   | 2-20021/0426                | 02/24/76         | 0              | 5542            | 2303N                        | 07611E        | 40.7         | 127.6        | GGGG                               |                     |                      | 157                     | 44                     |
| 2398-04384        | 00000/0000                   | 2-20021/0427                | 02/24/76         | 0              | 5542            | 2137N                        | 07548E        | 41.4         | 126.4        | GGGG                               |                     |                      | 157                     | 45                     |
| 2398-04390        | 00000/0000                   | 2-20021/0428                | 02/24/76         | 0              | 5542            | 2010N                        | 07527E        | 42.0         | 125.1        | GG G                               |                     |                      | 157                     | 46                     |
| 2398-04395        | 00000/0000                   | 2-20021/0408                | 02/24/76         | 0              | 5542            | 1718N                        | 07444E        | 43.2         | 122.5        | G GG                               |                     |                      | 157                     | 48                     |
| 2398-06165        | 00000/0000                   | 2-20021/0756                | 02/24/76         | 20             | 5543            | 3846N                        | 05456E        | 32.0         | 139.4        | FGGG                               |                     |                      | 175                     | 33                     |
| 2398-06172        | 00000/0000                   | 2-20021/0757                | 02/24/76         | 60             | 5543            | 3721N                        | 05428E        | 32.9         | 138.4        | GGGG                               |                     |                      | 175                     | 34                     |
| 2398-06263        | 00000/0000                   | 2-20021/0546                | 02/24/76         | 10             | 5543            | 0547N                        | 04612E        | 46.8         | 110.9        | GGGG                               |                     |                      | 175                     | 56                     |
| 2398-06265        | 00000/0000                   | 2-20021/0547                | 02/24/76         | 30             | 5543            | 0421N                        | 04552E        | 47.1         | 109.3        | GGGG                               |                     |                      | 175                     | 57                     |
| 2398-06272        | 00000/0000                   | 2-20021/0548                | 02/24/76         | 40             | 5543            | 0255N                        | 04532E        | 47.3         | 107.8        | GGGG                               |                     |                      | 175                     | 58                     |
| 2398-06490        | 00000/0000                   | 2-20021/0549                | 02/24/76         | 90             | 5543            | 7026S                        | 01309E        | 16.5         | 72.2         | FGGG                               |                     |                      | 175                     | 110                    |
| 2398-06492        | 00000/0000                   | 2-20021/0550                | 02/24/76         | 10             | 5543            | 7142S                        | 01053E        | 15.4         | 74.0         | GGGG                               |                     |                      | 175                     | 111                    |
| 2398-07553        | 00000/0000                   | 2-20021/0599                | 02/24/76         | 10             | 5544            | 5416N                        | 03537E        | 21.6         | 149.4        | GGGG                               |                     |                      | 193                     | 22                     |
| 2398-07560        | 00000/0000                   | 2-20021/0600                | 02/24/76         | 10             | 5544            | 5253N                        | 03453E        | 22.6         | 148.5        | GGGG                               |                     |                      | 193                     | 23                     |
| 2398-07562        | 00000/0000                   | 2-20021/0601                | 02/24/76         | 10             | 5544            | 5129N                        | 03410E        | 23.5         | 147.6        | GGGG                               |                     |                      | 193                     | 24                     |
| 2398-07565        | 00000/0000                   | 2-20021/0662                | 02/24/76         | 30             | 5544            | 5005N                        | 03330E        | 24.5         | 146.7        | GGGG                               |                     |                      | 193                     | 25                     |
| 2398-07571        | 00000/0000                   | 2-20021/0663                | 02/24/76         | 10             | 5544            | 4840N                        | 03252E        | 25.5         | 145.8        | GGGG                               |                     |                      | 193                     | 26                     |
| 2398-07574        | 00000/0000                   | 2-20021/0664                | 02/24/76         | 0              | 5544            | 4715N                        | 03216E        | 26.5         | 144.9        | GGGG                               |                     |                      | 193                     | 27                     |
| 2398-07580        | 00000/0000                   | 2-20021/0665                | 02/24/76         | 20             | 5544            | 4551N                        | 03142E        | 27.4         | 143.9        | GGGG                               |                     |                      | 193                     | 28                     |
| 2398-08044        | 00000/0000                   | 2-20021/0666                | 02/24/76         | 0              | 5544            | 2302N                        | 02432E        | 40.8         | 127.5        | FGGG                               |                     |                      | 193                     | 44                     |
| 2398-08051        | 00000/0000                   | 2-20021/0667                | 02/24/76         | 0              | 5544            | 2136N                        | 02409E        | 41.4         | 126.3        | FGGG                               |                     |                      | 193                     | 45                     |
| 2398-08060        | 00000/0000                   | 2-20021/0613                | 02/24/76         | 0              | 5544            | 1844N                        | 02326E        | 42.7         | 123.8        | FGGG                               |                     |                      | 193                     | 47                     |
| 2398-08062        | 00000/0000                   | 2-20021/0614                | 02/24/76         | 0              | 5544            | 1718N                        | 02306E        | 43.3         | 122.4        | GGGG                               |                     |                      | 193                     | 48                     |
| 2398-08065        | 00000/0000                   | 2-20021/0615                | 02/24/76         | 0              | 5544            | 1541N                        | 02245E        | 43.8         | 121.1        | GGFG                               |                     |                      | 193                     | 49                     |
| 2398-08071        | 00000/0000                   | 2-20021/0616                | 02/24/76         | 0              | 5544            | 1425N                        | 02224E        | 44.4         | 119.7        | GGGG                               |                     |                      | 193                     | 50                     |
| 2398-08074        | 00000/0000                   | 2-20021/0617                | 02/24/76         | 0              | 5544            | 1300N                        | 02203E        | 44.8         | 118.3        | FGGG                               |                     |                      | 193                     | 51                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, RAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV.<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|-----------------------------------------|-----------------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2398-08080        | 00000/0000                   | 2-20021/0618                | 02/24/76         | 0              | 5544                   | 1133N 02143E                            | 45.3 116.9            | GGGG                               |                     |                      | 193                     | 52                     |
| 2398-08083        | 00000/0000                   | 2-20021/0619                | 02/24/76         | 0              | 5544                   | 1006N 02122E                            | 45.7 115.4            | GGGG                               |                     |                      | 193                     | 53                     |
| 2398-08085        | 00000/0000                   | 2-20021/0620                | 02/24/76         | 0              | 5544                   | 0840N 02102E                            | 46.1 113.9            | FGGG                               |                     |                      | 193                     | 54                     |
| 2398-08092        | 00000/0000                   | 2-20021/0621                | 02/24/76         | 10             | 5544                   | 0714N 02042E                            | 46.5 112.4            | FFGG                               |                     |                      | 193                     | 55                     |
| 2398-08094        | 00000/0000                   | 2-20021/0622                | 02/24/76         | 10             | 5544                   | 0547N 02022E                            | 46.8 110.8            | GFGG                               |                     |                      | 193                     | 56                     |
| 2398-08101        | 00000/0000                   | 2-20021/0623                | 02/24/76         | 50             | 5544                   | 0420N 02002E                            | 47.1 109.3            | GFGG                               |                     |                      | 193                     | 57                     |
| 2398-08103        | 00000/0000                   | 2-20021/0624                | 02/24/76         | 50             | 5544                   | 0253N 01942E                            | 47.3 107.7            | PFFP                               |                     |                      | 193                     | 58                     |
| 2398-09451        | 00000/0000                   | 2-20021/0625                | 02/24/76         | 40             | 5545                   | 3304N 00131E                            | 35.5 135.4            | GGGG                               |                     |                      | 211                     | 37                     |
| 2398-09453        | 00000/0000                   | 2-20021/0626                | 02/24/76         | 20             | 5545                   | 3138N 00105E                            | 36.3 134.3            | GGGG                               |                     |                      | 211                     | 38                     |
| 2398-09494        | 00000/0000                   | 2-20021/0627                | 02/24/76         | 30             | 5545                   | 1718N 00242W                            | 43.3 122.4            | FFFF                               |                     |                      | 211                     | 48                     |
| 2398-09501        | 00000/0000                   | 2-20021/0628                | 02/24/76         | 20             | 5545                   | 1552N 00303W                            | 43.9 121.0            | GGGG                               |                     |                      | 211                     | 49                     |
| 2398-09503        | 00000/0000                   | 2-20021/0629                | 02/24/76         | 20             | 5545                   | 1425N 00324W                            | 44.4 119.7            | GGGG                               |                     |                      | 211                     | 50                     |
| 2398-09510        | 00000/0000                   | 2-20021/0630                | 02/24/76         | 10             | 5545                   | 1258N 00345W                            | 44.9 118.3            | GGGG                               |                     |                      | 211                     | 51                     |
| 2398-09512        | 00000/0000                   | 2-20021/0631                | 02/24/76         | 10             | 5545                   | 1131N 00406W                            | 45.3 116.8            | GGFG                               |                     |                      | 211                     | 52                     |
| 2398-09515        | 00000/0000                   | 2-20021/0632                | 02/24/76         | 10             | 5545                   | 1005N 00426W                            | 45.7 115.3            | GGGG                               |                     |                      | 211                     | 53                     |
| 2398-13232        | 00000/0000                   | 2-20021/0514                | 02/24/76         | 80             | 5547                   | 0708S 06003W                            | 47.9 96.5             | FGFG                               |                     |                      | 247                     | 65                     |
| 2398-13234        | 00000/0000                   | 2-20021/0515                | 02/24/76         | 70             | 5547                   | 0835S 06023W                            | 47.8 94.9             | GGFG                               |                     |                      | 247                     | 66                     |
| 2398-13273        | 00000/0000                   | 2-20021/0516                | 02/24/76         | 20             | 5547                   | 2131S 06333W                            | 45.3 81.8             | PPPP                               |                     |                      | 247                     | 75                     |
| 2398-13275        | 00000/0000                   | 2-20021/0517                | 02/24/76         | 20             | 5547                   | 2258S 06355W                            | 44.8 80.5             | PPPP                               |                     |                      | 247                     | 76                     |
| 2398-13282        | 00000/0000                   | 2-20021/0518                | 02/24/76         | 20             | 5547                   | 2424S 06417W                            | 44.3 79.3             | FGGG                               |                     |                      | 247                     | 77                     |
| 2398-13284        | 00000/0000                   | 2-20021/0519                | 02/24/76         | 20             | 5547                   | 2505S 06440W                            | 43.8 78.1             | FFFF                               |                     |                      | 247                     | 78                     |
| 2398-13291        | 00000/0000                   | 2-20021/0520                | 02/24/76         | 20             | 5547                   | 2716S 06503W                            | 43.2 76.9             | FFFF                               |                     |                      | 247                     | 79                     |
| 2398-13293        | 00000/0000                   | 2-20021/0521                | 02/24/76         | 40             | 5547                   | 2841S 06526W                            | 42.6 75.8             | FGGG                               |                     |                      | 247                     | 80                     |
| 2398-13300        | 00000/0000                   | 2-20021/0522                | 02/24/76         | 40             | 5547                   | 3007S 06551W                            | 42.0 74.8             | GGGG                               |                     |                      | 247                     | 81                     |
| 2398-13305        | 00000/0000                   | 2-20021/0523                | 02/24/76         | 30             | 5547                   | 3209S 06441W                            | 40.7 72.8             | FGGG                               |                     |                      | 247                     | 83                     |
| 2398-13311        | 00000/0000                   | 2-20021/0524                | 02/24/76         | 90             | 5547                   | 3425S 06707W                            | 40.0 71.9             | FGGG                               |                     |                      | 247                     | 84                     |
| 2398-14495        | 00000/0000                   | 2-20021/0512                | 02/24/76         | 60             | 5548                   | 5007N 06942W                            | 24.6 146.6            | GGGG                               |                     |                      | 14                      | 25                     |
| 2398-14502        | 00000/0000                   | 2-20021/0513                | 02/24/76         | 40             | 5548                   | 4843N 07021W                            | 25.6 145.7            | GGGG                               |                     |                      | 14                      | 26                     |
| 2398-23434        | 00000/0000                   | 2-20021/0525                | 02/24/76         | 100            | 5553                   | 1004S 14421E                            | 47.7 93.1             | FFGG                               | H                   |                      | 104                     | 67                     |
| 2398-23441        | 00000/0000                   | 2-20021/0526                | 02/24/76         | 100            | 5553                   | 1130S 14401E                            | 47.5 91.5             | FFFG                               | H                   |                      | 104                     | 68                     |
| 2398-23443        | 00000/0000                   | 2-20021/0527                | 02/24/76         | 100            | 5553                   | 1257S 14340E                            | 47.3 90.0             | FFFG                               | H                   |                      | 104                     | 69                     |
| 2399-01193        | 00000/0000                   | 2-20021/0644                | 02/25/76         | 20             | 5554                   | 1551N 12435E                            | 44.0 120.8            | F                                  |                     |                      | 122                     | 49                     |
| 2399-01195        | 00000/0000                   | 2-20021/0645                | 02/25/76         | 30             | 5554                   | 1425N 12414E                            | 44.5 119.4            | FGGG                               |                     |                      | 122                     | 50                     |
| 2399-01202        | 00000/0000                   | 2-20021/0646                | 02/25/76         | 90             | 5554                   | 1300N 12354E                            | 45.0 118.0            | FFFG                               |                     |                      | 122                     | 51                     |
| 2399-01204        | 00000/0000                   | 2-20021/0647                | 02/25/76         | 80             | 5554                   | 1133N 12334E                            | 45.4 116.5            | FGGG                               |                     |                      | 122                     | 52                     |
| 2399-01211        | 00000/0000                   | 2-20021/0648                | 02/25/76         | 60             | 5554                   | 1006N 12314E                            | 45.9 115.1            | GGGG                               |                     |                      | 122                     | 53                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

 LANDSAT-2  
 OBSERVATION ID LISTING  
 FOR NNN-US  
 FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2399-01213        | 00000/0000                                     | 2-20021/0649     | 02/25/76       | 30              | 5554                               | 0840N                               | 12253E       | 46.2         | 113.6                 | GGGG                |                      | 122                     | 54                     |
| 2399-01220        | 00000/0000                                     | 2-20021/0650     | 02/25/76       | 50              | 5554                               | 0714N                               | 12233E       | 46.6         | 112.0                 | FGFG                |                      | 122                     | 55                     |
| 2399-02581        | 00000/0000                                     | 2-20021/0651     | 02/25/76       | 70              | 5555                               | 3138N                               | 10255E       | 36.5         | 134.1                 | FGGG                |                      | 140                     | 38                     |
| 2399-02583        | 00000/0000                                     | 2-20021/0652     | 02/25/76       | 60              | 5555                               | 3012N                               | 10231E       | 37.3         | 133.1                 | GGGG                |                      | 140                     | 39                     |
| 2399-02590        | 00000/0000                                     | 2-20021/0653     | 02/25/76       | 70              | 5555                               | 2846N                               | 10206E       | 38.1         | 132.0                 | GGGG                |                      | 140                     | 40                     |
| 2399-02592        | 00000/0000                                     | 2-20021/0654     | 02/25/76       | 50              | 5555                               | 2720N                               | 10143E       | 38.9         | 130.8                 | GGGG                |                      | 140                     | 41                     |
| 2399-02595        | 00000/0000                                     | 2-20021/0655     | 02/25/76       | 20              | 5555                               | 2554N                               | 10120E       | 39.6         | 129.7                 | GGGG                |                      | 140                     | 42                     |
| 2399-03004        | 00000/0000                                     | 2-20021/0656     | 02/25/76       | 0               | 5555                               | 2303N                               | 10034E       | 41.0         | 127.3                 | GGGG                |                      | 140                     | 44                     |
| 2399-03010        | 00000/0000                                     | 2-20021/0657     | 02/25/76       | 0               | 5555                               | 2136N                               | 10012E       | 41.7         | 126.0                 | GGGG                |                      | 140                     | 45                     |
| 2399-03013        | 00000/0000                                     | 2-20021/0658     | 02/25/76       | 0               | 5555                               | 2009N                               | 09951E       | 42.3         | 124.8                 | FGGG                |                      | 140                     | 46                     |
| 2399-03015        | 00000/0000                                     | 2-20021/0659     | 02/25/76       | 10              | 5555                               | 1843N                               | 09929E       | 42.9         | 123.5                 | GGGG                |                      | 140                     | 47                     |
| 2399-03022        | 00000/0000                                     | 2-20021/0660     | 02/25/76       | 10              | 5555                               | 1718N                               | 09908E       | 43.5         | 122.1                 | GGGG                |                      | 140                     | 48                     |
| 2399-03024        | 00000/0000                                     | 2-20021/0661     | 02/25/76       | 10              | 5555                               | 1550N                               | 09847E       | 44.0         | 120.8                 | GGGG                |                      | 140                     | 49                     |
| 2399-04412        | 00000/0000                                     | 2-20021/0668     | 02/25/76       | 90              | 5556                               | 3140N                               | 07705E       | 36.5         | 134.2                 | FGGG                |                      | 158                     | 38                     |
| 2399-04415        | 00000/0000                                     | 2-20021/0669     | 02/25/76       | 90              | 5556                               | 3015N                               | 07640E       | 37.3         | 133.1                 | FFFG                |                      | 158                     | 39                     |
| 2399-04421        | 00000/0000                                     | 2-20021/0670     | 02/25/76       | 30              | 5556                               | 2849N                               | 07616E       | 38.1         | 132.0                 | GGGG                |                      | 158                     | 40                     |
| 2399-04424        | 00000/0000                                     | 2-20021/0671     | 02/25/76       | 20              | 5556                               | 2723N                               | 07552E       | 38.9         | 130.8                 | FGGG                |                      | 158                     | 41                     |
| 2399-04430        | 00000/0000                                     | 2-20021/0672     | 02/25/76       | 30              | 5556                               | 2557N                               | 07529E       | 39.6         | 129.7                 | GGGG                |                      | 158                     | 42                     |
| 2399-04433        | 00000/0000                                     | 2-20021/0673     | 02/25/76       | 10              | 5556                               | 2431N                               | 07506E       | 40.3         | 128.5                 | GGGG                |                      | 158                     | 43                     |
| 2399-04435        | 00000/0000                                     | 2-20021/0674     | 02/25/76       | 0               | 5556                               | 2305N                               | 07444E       | 41.0         | 127.3                 | GGGF                |                      | 158                     | 44                     |
| 2399-04442        | 00000/0000                                     | 2-20021/0675     | 02/25/76       | 0               | 5556                               | 2138N                               | 07421E       | 41.6         | 126.1                 | GGGG                |                      | 158                     | 45                     |
| 2399-04444        | 00000/0000                                     | 2-20021/0676     | 02/25/76       | 0               | 5556                               | 2012N                               | 07359E       | 42.3         | 124.8                 | GGGG                |                      | 158                     | 46                     |
| 2399-04451        | 00000/0000                                     | 2-20021/0677     | 02/25/76       | 0               | 5556                               | 1845N                               | 07338E       | 42.9         | 123.5                 | GG G                |                      | 158                     | 47                     |
| 2399-04453        | 00000/0000                                     | 2-20021/0678     | 02/25/76       | 10              | 5556                               | 1719N                               | 07317E       | 43.5         | 122.1                 | GGGG                |                      | 158                     | 48                     |
| 2399-06224        | 00000/0000                                     | 2-20021/0602     | 02/25/76       | 30              | 5557                               | 3848N                               | 05333E       | 32.3         | 139.2                 | GGGG                |                      | 176                     | 33                     |
| 2399-06230        | 00000/0000                                     | 2-20021/0603     | 02/25/76       | 70              | 5557                               | 3733N                               | 05304E       | 33.2         | 138.2                 | GGGG                |                      | 176                     | 34                     |
| 2399-06233        | 00000/0000                                     | 2-20021/0604     | 02/25/76       | 70              | 5557                               | 3557N                               | 05236E       | 34.1         | 137.2                 | GGGG                |                      | 176                     | 35                     |
| 2399-06235        | 00000/0000                                     | 2-20021/0605     | 02/25/76       | 70              | 5557                               | 3432N                               | 05209E       | 34.9         | 136.2                 | GGGG                |                      | 176                     | 36                     |
| 2399-06242        | 00000/0000                                     | 2-20021/0606     | 02/25/76       | 60              | 5557                               | 3306N                               | 05143E       | 35.7         | 135.2                 | GGGG                |                      | 176                     | 37                     |
| 2399-06244        | 00000/0000                                     | 2-20021/0607     | 02/25/76       | 10              | 5557                               | 3141N                               | 05118E       | 36.6         | 134.1                 | GGGG                |                      | 176                     | 38                     |
| 2399-06251        | 00000/0000                                     | 2-20021/0608     | 02/25/76       | 10              | 5557                               | 3015N                               | 05053E       | 37.4         | 133.1                 | GGGG                |                      | 176                     | 39                     |
| 2399-06292        | 00000/0000                                     | 2-20021/0609     | 02/25/76       | 0               | 5557                               | 1554N                               | 04708E       | 44.0         | 120.7                 | GGGG                |                      | 176                     | 49                     |
| 2399-06294        | 00000/0000                                     | 2-20021/0610     | 02/25/76       | 10              | 5557                               | 1428N                               | 04648E       | 44.5         | 119.4                 | GGGG                |                      | 176                     | 50                     |
| 2399-06303        | 00000/0000                                     | 2-20021/0611     | 02/25/76       | 10              | 5557                               | 1135N                               | 04606E       | 45.5         | 116.5                 | GGGG                |                      | 176                     | 52                     |
| 2399-06310        | 00000/0000                                     | 2-20021/0612     | 02/25/76       | 10              | 5557                               | 1009N                               | 04546E       | 45.9         | 115.0                 | GGGG                |                      | 176                     | 53                     |
| 2399-06003        | 00000/0000                                     | 2-20021/0698     | 02/25/76       | 20              | 5558                               | 5706N                               | 03553E       | 19.9         | 151.4                 | GGGG                |                      | 194                     | 20                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANHSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RAW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2399-08005        | 00000/0000                   | 2-20021/0699                | 02/25/76         | 10             | 5558            | 5543N                        | 03502E        | 20.9         | 150.4        | GGGG                               |                     |                      | 194                     | 21                     |
| 2399-08012        | 00000/0000                   | 2-20021/0700                | 02/25/76         | 10             | 5558            | 5419N                        | 03414E        | 21.9         | 149.4        | GGGG                               |                     |                      | 194                     | 22                     |
| 2399-08014        | 00000/0000                   | 2-20021/0701                | 02/25/76         | 0              | 5558            | 5255N                        | 03329E        | 22.9         | 148.4        | GGGF                               |                     |                      | 194                     | 23                     |
| 2399-08021        | 00000/0000                   | 2-20021/0702                | 02/25/76         | 0              | 5558            | 5131N                        | 03247E        | 23.9         | 147.5        | GGGG                               |                     |                      | 194                     | 24                     |
| 2399-08023        | 00000/0000                   | 2-20021/0703                | 02/25/76         | 0              | 5558            | 5008N                        | 03208E        | 24.9         | 146.6        | GGGG                               |                     |                      | 194                     | 25                     |
| 2399-08030        | 00000/0000                   | 2-20021/0704                | 02/25/76         | 0              | 5558            | 4844N                        | 03129E        | 25.8         | 145.7        | GGGG                               |                     |                      | 194                     | 26                     |
| 2399-08032        | 00000/0000                   | 2-20021/0705                | 02/25/76         | 0              | 5558            | 4713N                        | 03053E        | 26.8         | 144.7        | FGGG                               |                     |                      | 194                     | 27                     |
| 2399-08035        | 00000/0000                   | 2-20021/0706                | 02/25/76         | 20             | 5558            | 4554N                        | 03018E        | 27.8         | 143.8        | GGGG                               |                     |                      | 194                     | 28                     |
| 2399-08041        | 00000/0000                   | 2-20021/0557                | 02/25/76         | 70             | 5558            | 4429N                        | 02945E        | 28.7         | 142.9        | FGGG                               |                     |                      | 194                     | 29                     |
| 2399-08044        | 00000/0000                   | 2-20021/0558                | 02/25/76         | 90             | 5558            | 4304N                        | 02913E        | 29.6         | 142.0        | FGGG                               |                     |                      | 194                     | 30                     |
| 2399-08141        | 00000/0000                   | 2-20021/0559                | 02/25/76         | 40             | 5558            | 1009N                        | 01958E        | 45.9         | 115.0        | GGGG                               |                     |                      | 194                     | 53                     |
| 2399-08144        | 00000/0000                   | 2-20021/0560                | 02/25/76         | 40             | 5558            | 0843N                        | 01938E        | 46.3         | 113.5        | GGFG                               |                     |                      | 194                     | 54                     |
| 2399-08150        | 00000/0000                   | 2-20021/0561                | 02/25/76         | 10             | 5558            | 0716N                        | 01917E        | 46.6         | 111.9        | FGGG                               |                     |                      | 194                     | 55                     |
| 2399-08153        | 00000/0000                   | 2-20021/0562                | 02/25/76         | 10             | 5558            | 0549N                        | 01857E        | 46.9         | 110.4        | FGGG                               |                     |                      | 194                     | 56                     |
| 2399-08155        | 00000/0000                   | 2-20021/0563                | 02/25/76         | 10             | 5558            | 0423N                        | 01837E        | 47.2         | 108.8        | FGGG                               |                     |                      | 194                     | 57                     |
| 2399-08162        | 00000/0000                   | 2-20021/0564                | 02/25/76         | 20             | 5558            | 0257N                        | 01817E        | 47.4         | 107.2        | GGGG                               |                     |                      | 194                     | 58                     |
| 2399-08164        | 00000/0000                   | 2-20021/0565                | 02/25/76         | 20             | 5558            | 0130N                        | 01757E        | 47.6         | 105.7        | GGGG                               |                     |                      | 194                     | 59                     |
| 2399-08171        | 00000/0000                   | 2-20021/0566                | 02/25/76         | 30             | 5558            | 0003N                        | 01737E        | 47.8         | 104.1        | GGGG                               |                     |                      | 194                     | 60                     |
| 2399-08173        | 00000/0000                   | 2-20021/0567                | 02/25/76         | 40             | 5558            | 0123S                        | 01717E        | 47.9         | 102.5        | GGGG                               |                     |                      | 194                     | 61                     |
| 2399-08180        | 00000/0000                   | 2-20021/0568                | 02/25/76         | 30             | 5558            | 0250S                        | 01657E        | 48.0         | 100.8        | GGGG                               |                     |                      | 194                     | 62                     |
| 2399-08182        | 00000/0000                   | 2-20021/0569                | 02/25/76         | 20             | 5558            | 0415S                        | 01637E        | 48.0         | 99.2         | GGGG                               |                     |                      | 194                     | 63                     |
| 2399-08371        | 00000/0000                   | 2-20021/0570                | 02/25/76         | 90             | 5558            | 6700S                        | 01018W        | 18.2         | 69.3         | GGGG                               |                     |                      | 194                     | 108                    |
| 2399-08373        | 00000/0000                   | 2-20021/0571                | 02/25/76         | 90             | 5558            | 6909S                        | 01204W        | 17.1         | 70.6         | GGGG                               |                     |                      | 194                     | 109                    |
| 2399-08380        | 00000/0000                   | 2-20021/0572                | 02/25/76         | 60             | 5558            | 7026S                        | 01403W        | 16.1         | 72.1         | GGFG                               |                     |                      | 194                     | 110                    |
| 2399-08382        | 00000/0000                   | 2-20021/0573                | 02/25/76         | 50             | 5558            | 7141S                        | 01618W        | 15.1         | 73.8         | GGGG                               |                     |                      | 194                     | 111                    |
| 2399-09564        | 00000/0000                   | 2-20021/0574                | 02/25/76         | 10             | 5559            | 1300N                        | 00510W        | 45.1         | 117.9        | FGGG                               |                     |                      | 212                     | 51                     |
| 2399-09570        | 00000/0000                   | 2-20021/0575                | 02/25/76         | 0              | 5559            | 1134N                        | 00530W        | 45.5         | 116.4        | GGGG                               |                     |                      | 212                     | 52                     |
| 2399-09573        | 00000/0000                   | 2-20021/0576                | 02/25/76         | 10             | 5559            | 1008N                        | 00551W        | 45.9         | 114.9        | GGGG                               |                     |                      | 212                     | 53                     |
| 2399-13331        | 00000/0000                   | 2-20021/0579                | 02/25/76         | 40             | 5561            | 2133S                        | 06500W        | 45.1         | 81.3         | FFFF                               |                     |                      | 248                     | 75                     |
| 2399-13333        | 00000/0000                   | 2-20021/0580                | 02/25/76         | 60             | 5561            | 2259S                        | 06523W        | 44.7         | 80.0         | GGGG                               |                     |                      | 248                     | 76                     |
| 2399-13340        | 00000/0000                   | 2-20021/0581                | 02/25/76         | 70             | 5561            | 2426S                        | 06545W        | 44.2         | 78.8         | GGGG                               |                     |                      | 248                     | 77                     |
| 2399-13342        | 00000/0000                   | 2-20021/0582                | 02/25/76         | 70             | 5561            | 2552S                        | 06608W        | 43.6         | 77.6         | GGGG                               |                     |                      | 248                     | 78                     |
| 2399-13345        | 00000/0000                   | 2-20021/0583                | 02/25/76         | 80             | 5561            | 2718S                        | 06631W        | 43.1         | 76.5         | GGGG                               |                     |                      | 248                     | 79                     |
| 2399-13351        | 00000/0000                   | 2-20021/0584                | 02/25/76         | 90             | 5561            | 2844S                        | 06655W        | 42.5         | 75.4         | FFFF                               |                     |                      | 248                     | 80                     |
| 2399-13354        | 00000/0000                   | 2-20021/0585                | 02/25/76         | 40             | 5561            | 3010S                        | 06718W        | 41.8         | 74.3         | GGGG                               |                     |                      | 248                     | 81                     |
| 2399-13360        | 00000/0000                   | 2-20021/0586                | 02/25/76         | 10             | 5561            | 3136S                        | 06743W        | 41.2         | 73.3         | GGGG                               |                     |                      | 248                     | 82                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 23, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>PERCENT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |    |
|-------------------|------------------------------------------------|------------------|------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|----|
| 2399-13363        | 00000/0000 2-20021/0587                        | 02/25/76         | 10                     | 5561         | 3301S        | 06008W            | 40.5                | 72.4                 | GGGG                    | 248                    | 83 |
| 2399-13365        | 00000/0000 2-20021/0588                        | 02/25/76         | 10                     | 5561         | 3426S        | 06034W            | 39.8                | 71.5                 | GGGG                    | 248                    | 84 |
| 2399-13372        | 00000/0000 2-20021/0589                        | 02/25/76         | 10                     | 5561         | 3552S        | 06000W            | 39.1                | 70.7                 | GGGG                    | 248                    | 85 |
| 2399-13381        | 00000/0000 2-20021/0590                        | 02/25/76         | 0                      | 5561         | 3842S        | 06056W            | 37.5                | 69.1                 | GGGG                    | 248                    | 87 |
| 2399-13383        | 00000/0000 2-20021/0591                        | 02/25/76         | 0                      | 5561         | 4007S        | 07025W            | 36.8                | 68.5                 | GGGG                    | 248                    | 88 |
| 2399-13390        | 00000/0000 2-20021/0592                        | 02/25/76         | 30                     | 5561         | 4132S        | 07055W            | 36.0                | 67.8                 | GGGG                    | 248                    | 89 |
| 2399-13392        | 00000/0000 2-20021/0593                        | 02/25/76         | 40                     | 5561         | 4258S        | 07126W            | 35.1                | 67.3                 | GGGG                    | 248                    | 90 |
| 2399-13395        | 00000/0000 2-20021/0594                        | 02/25/76         | 50                     | 5561         | 4422S        | 07158W            | 34.3                | 66.7                 | GGGG                    | 248                    | 91 |
| 2399-13401        | 00000/0000 2-20021/0595                        | 02/25/76         | 50                     | 5561         | 4547S        | 07232W            | 33.4                | 66.3                 | GGGG                    | 248                    | 92 |
| 2399-13404        | 00000/0000 2-20021/0596                        | 02/25/76         | 10                     | 5561         | 4712S        | 07307W            | 32.5                | 65.9                 | GGGG                    | 248                    | 93 |
| 2399-13410        | 00000/0000 2-20021/0597                        | 02/25/76         | 10                     | 5561         | 4837S        | 07344W            | 31.7                | 65.5                 | GGGG                    | 248                    | 94 |
| 2399-13413        | 00000/0000 2-20021/0598                        | 02/25/76         | 70                     | 5561         | 5001S        | 07423W            | 30.8                | 65.2                 | GGGG                    | 248                    | 95 |
| 2399-14560        | 00000/0000 2-20021/0679                        | 02/25/76         | 30                     | 5562         | 4843N        | 07145W            | 26.0                | 145.6                | GGGG                    | 15                     | 26 |
| 2400-01251        | 00000/0000 2-20021/0680                        | 02/26/76         | 30                     | 5568         | 1503N        | 12309E            | 44.2                | 120.4                | GGFG                    | 123                    | 49 |
| 2400-01254        | 00000/0000 2-20021/0681                        | 02/26/76         | 30                     | 5568         | 1427N        | 12249E            | 44.7                | 119.0                | GGGG                    | 123                    | 50 |
| 2400-01260        | 00000/0000 2-20021/0682                        | 02/26/76         | 20                     | 5568         | 1301N        | 12228E            | 45.2                | 117.6                | GGGG                    | 123                    | 51 |
| 2400-01263        | 00000/0000 2-20021/0683                        | 02/26/76         | 30                     | 5568         | 1135N        | 12208E            | 45.6                | 116.1                | GGFF                    | 123                    | 52 |
| 2400-01265        | 00000/0000 2-20021/0684                        | 02/26/76         | 40                     | 5568         | 1009N        | 12147E            | 46.0                | 114.6                | PGGF                    | 123                    | 53 |
| 2400-01272        | 00000/0000 2-20021/0685                        | 02/26/76         | 80                     | 5568         | 0841N        | 12127E            | 46.4                | 113.1                | PGGF                    | 123                    | 54 |
| 2400-01274        | 00000/0000 2-20021/0686                        | 02/26/76         | 60                     | 5568         | 0715N        | 12107E            | 46.8                | 111.6                | GGGF                    | 123                    | 55 |
| 2400-03033        | 00000/0000 2-20021/0687                        | 02/26/76         | 90                     | 5569         | 3304N        | 10154E            | 36.0                | 135.0                | FGGG                    | 141                    | 37 |
| 2400-03035        | 00000/0000 2-20021/0688                        | 02/26/76         | 10                     | 5569         | 3138N        | 10129E            | 36.8                | 133.9                | GGGG                    | 141                    | 38 |
| 2400-03042        | 00000/0000 2-20021/0689                        | 02/26/76         | 40                     | 5549         | 3013N        | 10105E            | 37.6                | 132.8                | GGFG                    | 141                    | 39 |
| 2400-03044        | 00000/0000 2-20021/0690                        | 02/26/76         | 50                     | 5569         | 2848N        | 10040E            | 38.4                | 131.7                | GGGG                    | 141                    | 40 |
| 2400-03051        | 00000/0000 2-20021/0691                        | 02/26/76         | 60                     | 5569         | 2722N        | 10016E            | 39.1                | 130.6                | GGGG                    | 141                    | 41 |
| 2400-03053        | 00000/0000 2-20021/0692                        | 02/26/76         | 50                     | 5569         | 2557N        | 09953E            | 39.9                | 129.4                | GGGG                    | 141                    | 42 |
| 2400-03060        | 00000/0000 2-20021/0693                        | 02/26/76         | 50                     | 5569         | 2430N        | 09930E            | 40.6                | 128.2                | FGGG                    | 141                    | 43 |
| 2400-03062        | 00000/0000 2-20021/0694                        | 02/26/76         | 10                     | 5569         | 2304N        | 09908E            | 41.2                | 127.0                | FGFG                    | 141                    | 44 |
| 2400-03065        | 00000/0000 2-20021/0695                        | 02/26/76         | 10                     | 5569         | 2138N        | 09846E            | 41.9                | 125.7                | GGGG                    | 141                    | 45 |
| 2400-03071        | 00000/0000 2-20021/0696                        | 02/26/76         | 10                     | 5569         | 2011N        | 09825E            | 42.5                | 124.4                | FGGG                    | 141                    | 46 |
| 2400-03074        | 00000/0000 2-20021/0697                        | 02/26/76         | 0                      | 5569         | 1845N        | 09803E            | 43.1                | 123.1                | FGGG                    | 141                    | 47 |
| 2400-04471        | 00000/0000 2-20021/0707                        | 02/26/76         | 10                     | 5570         | 3139N        | 07541E            | 36.9                | 133.9                | GGFG                    | 159                    | 38 |
| 2400-04473        | 00000/0000 2-20021/0708                        | 02/26/76         | 10                     | 5570         | 3013N        | 07516E            | 37.6                | 132.8                | GGFG                    | 159                    | 39 |
| 2400-04480        | 00000/0000 2-20021/0709                        | 02/26/76         | 0                      | 5570         | 2847N        | 07451E            | 38.4                | 131.7                | GGGG                    | 159                    | 40 |
| 2400-04482        | 00000/0000 2-20021/0710                        | 02/26/76         | 0                      | 5570         | 2721N        | 07427E            | 39.2                | 130.5                | GGGG                    | 159                    | 41 |
| 2400-04485        | 00000/0000 2-20021/0711                        | 02/26/76         | 0                      | 5570         | 2506N        | 07404E            | 39.9                | 129.4                | GGGG                    | 159                    | 42 |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ELEV. | SUN<br>AZIM. | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | IMAGE QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|--------------|--------------|------------------------------------|-------------------------------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2400-04491        | 00000/0000 2-20021/0712                        | 02/26/76         | 10             | 5570         | 2429N        | 07341E                             | 40.6 128.2                          | PFGG                               |                     |                      | 159                     | 43                     |
| 2400-04494        | 00000/0000 2-20021/0713                        | 02/26/76         | 10             | 5570         | 2303N        | 07318E                             | 41.3 126.9                          | GGGG                               |                     |                      | 159                     | 44                     |
| 2400-04500        | 00000/0000 2-20021/0714                        | 02/26/76         | 10             | 5570         | 2138N        | 07256E                             | 41.9 125.7                          | FFPR                               |                     |                      | 159                     | 45                     |
| 2400-04503        | 00000/0000 2-20021/0715                        | 02/26/76         | 10             | 5570         | 2011N        | 07234E                             | 42.6 124.4                          | FFPF                               |                     |                      | 159                     | 46                     |
| 2400-06343        | 00000/0000 2-20021/0551                        | 02/26/76         | 10             | 5571         | 1719N        | 04604E                             | 43.7 121.7                          | FGGG                               |                     |                      | 177                     | 48                     |
| 2400-06350        | 00000/0000 2-20021/0552                        | 02/26/76         | 10             | 5571         | 1543N        | 04543E                             | 44.3 120.3                          | GGGG                               |                     |                      | 177                     | 49                     |
| 2400-06352        | 00000/0000 2-20021/0553                        | 02/26/76         | 10             | 5571         | 1426N        | 04522E                             | 44.8 118.9                          | GGGG                               |                     |                      | 177                     | 50                     |
| 2400-06355        | 00000/0000 2-20021/0554                        | 02/26/76         | 80             | 5571         | 1300N        | 04501E                             | 45.2 117.5                          | GGGG                               |                     |                      | 177                     | 51                     |
| 2400-06391        | 00000/0000 2-20021/0555                        | 02/26/76         | 20             | 5571         | 0129N        | 04220E                             | 47.7 105.1                          | GGGG                               |                     |                      | 177                     | 59                     |
| 2400-06393        | 00000/0000 2-20021/0556                        | 02/26/76         | 20             | 5571         | 0003N        | 04200E                             | 47.9 103.5                          | GGGG                               |                     |                      | 177                     | 60                     |
| 2400-08054        | 00000/0000 2-20021/0716                        | 02/26/76         | 100            | 5572         | 5828N        | 03518E                             | 19.2 152.3                          | FGGG                               |                     |                      | 195                     | 19                     |
| 2400-08061        | 00000/0000 2-20021/0717                        | 02/26/76         | 100            | 5572         | 5705N        | 03425E                             | 20.3 151.3                          | FGGG                               |                     |                      | 195                     | 20                     |
| 2400-08063        | 00000/0000 2-20021/0718                        | 02/26/76         | 100            | 5572         | 5542N        | 03335E                             | 21.3 150.3                          | FFGG                               |                     |                      | 195                     | 21                     |
| 2400-08070        | 00000/0000 2-20021/0719                        | 02/26/76         | 100            | 5572         | 5418N        | 03248E                             | 22.3 149.3                          | FGGG                               |                     |                      | 195                     | 22                     |
| 2400-08072        | 00000/0000 2-20021/0720                        | 02/26/76         | 100            | 5572         | 5254N        | 03204E                             | 23.3 148.3                          | GFGG                               |                     |                      | 195                     | 23                     |
| 2400-08075        | 00000/0000 2-20021/0721                        | 02/26/76         | 100            | 5572         | 5130N        | 03122E                             | 24.3 147.4                          | FGGG                               |                     |                      | 195                     | 24                     |
| 2400-08081        | 00000/0000 2-20021/0722                        | 02/26/76         | 100            | 5572         | 5006N        | 03042E                             | 25.2 146.4                          | GGGG                               |                     |                      | 195                     | 25                     |
| 2400-08084        | 00000/0000 2-20021/0723                        | 02/26/76         | 100            | 5572         | 4841N        | 03004E                             | 26.2 145.5                          | GGGG                               |                     |                      | 195                     | 26                     |
| 2400-08090        | 00000/0000 2-20021/0724                        | 02/26/76         | 100            | 5572         | 4717N        | 02926E                             | 27.2 144.6                          | GGGG                               |                     |                      | 195                     | 27                     |
| 2400-08093        | 00000/0000 2-20021/0725                        | 02/26/76         | 70             | 5572         | 4552N        | 02850E                             | 28.1 143.7                          | GGGG                               |                     |                      | 195                     | 28                     |
| 2400-08095        | 00000/0000 2-20021/0726                        | 02/26/76         | 10             | 5572         | 4427N        | 02816E                             | 29.1 142.7                          | GGGG                               |                     |                      | 195                     | 29                     |
| 2400-08154        | 00000/0000 2-20021/0727                        | 02/26/76         | 100            | 5572         | 2429N        | 02203E                             | 40.6 128.1                          | GFGF                               |                     |                      | 195                     | 43                     |
| 2400-08161        | 00000/0000 2-20021/0728                        | 02/26/76         | 90             | 5572         | 2343N        | 02140E                             | 41.3 126.9                          | GGFG                               |                     |                      | 195                     | 44                     |
| 2400-08163        | 00000/0000 2-20021/0729                        | 02/26/76         | 30             | 5572         | 2177N        | 02118E                             | 42.0 125.6                          | GGFG                               |                     |                      | 195                     | 45                     |
| 2400-08170        | 00000/0000 2-20021/0730                        | 02/26/76         | 0              | 5572         | 2012N        | 02056E                             | 42.6 124.3                          | GGGG                               |                     |                      | 195                     | 46                     |
| 2400-08172        | 00000/0000 2-20021/0731                        | 02/26/76         | 0              | 5572         | 1845N        | 02034E                             | 43.2 123.0                          | GGGG                               |                     |                      | 195                     | 47                     |
| 2400-08175        | 00000/0000 2-20021/0732                        | 02/26/76         | 0              | 5572         | 1718N        | 02013E                             | 43.8 121.7                          | GGGG                               |                     |                      | 195                     | 48                     |
| 2400-08181        | 00000/0000 2-20021/0733                        | 02/26/76         | 0              | 5572         | 1542N        | 01952E                             | 44.3 120.3                          | GGGG                               |                     |                      | 195                     | 49                     |
| 2400-08184        | 00000/0000 2-20021/0734                        | 02/26/76         | 0              | 5572         | 1425N        | 01932E                             | 44.8 118.9                          | GGGG                               |                     |                      | 195                     | 50                     |
| 2400-08190        | 00000/0000 2-20021/0735                        | 02/26/76         | 0              | 5572         | 1259N        | 01911E                             | 45.3 117.4                          | GGGG                               |                     |                      | 195                     | 51                     |
| 2400-09561        | 00000/0000 2-20021/0736                        | 02/26/76         | 50             | 5573         | 3430N        | 00053W                             | 35.3 135.9                          | GGGG                               |                     |                      | 213                     | 36                     |
| 2400-09563        | 00000/0000 2-20021/0737                        | 02/26/76         | 70             | 5573         | 3344N        | 00120W                             | 36.1 134.9                          | GGGG                               |                     |                      | 213                     | 37                     |
| 2400-09570        | 00000/0000 2-20021/0738                        | 02/26/76         | 80             | 5573         | 3138N        | 00145W                             | 36.9 133.8                          | GGGG                               |                     |                      | 213                     | 38                     |
| 2400-09572        | 00000/0000 2-20021/0739                        | 02/26/76         | 20             | 5573         | 3013N        | 00210W                             | 37.7 132.7                          | GFGG                               |                     |                      | 213                     | 39                     |
| 2400-09575        | 00000/0000 2-20021/0768                        | 02/26/76         | 10             | 5573         | 2847N        | 00234W                             | 38.5 131.6                          | FGGG                               |                     |                      | 213                     | 40                     |
| 2400-09581        | 00000/0000 2-20021/0769                        | 02/26/76         | 20             | 5573         | 2721N        | 00258W                             | 39.2 130.5                          | FGGG                               |                     |                      | 213                     | 41                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIL.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2400-09584        | 00000/0000                   | 2-20021/0770                | 02/26/76         | 10             | 5573            | 2555N                              | 00322W                              | 40.0         | 129.3        | FGGG                               |                     |                      | 213                     | 42                     |
| 2400-09590        | 00000/0000                   | 2-20021/0771                | 02/26/76         | 0              | 5573            | 2429N                              | 00345W                              | 40.7         | 128.1        | FGGG                               |                     |                      | 213                     | 43                     |
| 2400-09593        | 00000/0000                   | 2-20021/0772                | 02/26/76         | 0              | 5573            | 2303N                              | 00407W                              | 41.3         | 126.8        | GGGG                               |                     |                      | 213                     | 44                     |
| 2400-09595        | 00000/0000                   | 2-20021/0773                | 02/26/76         | 10             | 5573            | 2137N                              | 00429W                              | 42.0         | 125.6        | GGGG                               |                     |                      | 213                     | 45                     |
| 2400-10002        | 00000/0000                   | 2-20021/0774                | 02/26/76         | 60             | 5573            | 2011N                              | 00452W                              | 42.6         | 124.3        | GGGG                               |                     |                      | 213                     | 46                     |
| 2400-10004        | 00000/0000                   | 2-20021/0775                | 02/26/76         | 100            | 5573            | 1845N                              | 00514W                              | 43.2         | 123.0        | GGFG                               |                     |                      | 213                     | 47                     |
| 2400-10011        | 00000/0000                   | 2-20021/0776                | 02/26/76         | 60             | 5573            | 1719N                              | 00535W                              | 43.8         | 121.6        | GGFG                               |                     |                      | 213                     | 48                     |
| 2400-10013        | 00000/0000                   | 2-20021/0777                | 02/26/76         | 0              | 5573            | 1552N                              | 00556W                              | 44.3         | 120.2        | GGGG                               |                     |                      | 213                     | 49                     |
| 2400-10020        | 00000/0000                   | 2-20021/0778                | 02/26/76         | 0              | 5573            | 1425N                              | 00616W                              | 44.8         | 118.8        | FGGG                               |                     |                      | 213                     | 50                     |
| 2400-10022        | 00000/0000                   | 2-20021/0779                | 02/26/76         | 0              | 5573            | 1259N                              | 00636W                              | 45.3         | 117.4        | GGGG                               |                     |                      | 213                     | 51                     |
| 2400-10025        | 00000/0000                   | 2-20021/0780                | 02/26/76         | 10             | 5573            | 1132N                              | 00657W                              | 45.7         | 115.9        | GGGG                               |                     |                      | 213                     | 52                     |
| 2400-15012        | 00000/0000                   | 2-20021/0781                | 02/26/76         | 0              | 5576            | 5005N                              | 07235W                              | 25.4         | 146.4        | GGGG                               |                     |                      | 16                      | 25                     |
| 2400-15112        | 00000/0000                   | 2-20021/0781                | 02/26/76         | 50             | 5576            | 1551N                              | 08322W                              | 44.4         | 120.1        | GGGG                               |                     |                      | 16                      | 49                     |
| 2400-15114        | 00000/0000                   | 2-20021/0782                | 02/26/76         | 60             | 5576            | 1424N                              | 08343W                              | 44.9         | 118.7        | GGGG                               |                     |                      | 16                      | 50                     |
| 2400-15121        | 00000/0000                   | 2-20021/0783                | 02/26/76         | 60             | 5576            | 1257N                              | 08404W                              | 45.3         | 117.3        | GGGG                               |                     |                      | 16                      | 51                     |
| 2400-15123        | 00000/0000                   | 2-20021/0784                | 02/26/76         | 70             | 5576            | 1131N                              | 08424W                              | 45.8         | 115.8        | GGGG                               |                     |                      | 16                      | 52                     |
| 2400-18293        | 00000/0000                   | 2-20021/0784                | 02/26/76         | 70             | 5578            | 4430N                              | 12634W                              | 29.2         | 142.7        | GGGG                               |                     |                      | 52                      | 29                     |
| 2400-18295        | 00000/0000                   | 2-20021/0787                | 02/26/76         | 20             | 5578            | 4305N                              | 12706W                              | 30.1         | 141.8        | GGGG                               |                     |                      | 52                      | 30                     |
| 2401-01305        | 00000/0000                   | 2-20021/0740                | 02/27/76         | 20             | 5582            | 1551N                              | 12143E                              | 44.5         | 120.0        | GGGG                               |                     |                      | 124                     | 49                     |
| 2401-01312        | 00000/0000                   | 2-20021/0741                | 02/27/76         | 20             | 5582            | 1425N                              | 12122E                              | 45.0         | 118.5        | GGGG                               |                     |                      | 124                     | 50                     |
| 2401-01314        | 00000/0000                   | 2-20021/0742                | 02/27/76         | 10             | 5582            | 1249N                              | 12102E                              | 45.4         | 117.1        | FGGG                               |                     |                      | 124                     | 51                     |
| 2401-01321        | 00000/0000                   | 2-20021/0743                | 02/27/76         | 10             | 5582            | 1133N                              | 12042E                              | 45.8         | 115.6        | GFFF                               |                     |                      | 124                     | 52                     |
| 2401-01323        | 00000/0000                   | 2-20021/0744                | 02/27/76         | 10             | 5582            | 1007N                              | 12021E                              | 46.2         | 114.1        | GFFF                               |                     |                      | 124                     | 53                     |
| 2401-01330        | 00000/0000                   | 2-20021/0745                | 02/27/76         | 20             | 5582            | 0841N                              | 12001E                              | 46.6         | 112.6        | GGGG                               |                     |                      | 124                     | 54                     |
| 2401-01332        | 00000/0000                   | 2-20021/0746                | 02/27/76         | 50             | 5582            | 0714N                              | 11941E                              | 46.9         | 111.0        | GGGG                               |                     |                      | 124                     | 55                     |
| 2401-03091        | 00000/0000                   | 2-20021/0747                | 02/27/76         | 90             | 5583            | 3302N                              | 10027E                              | 36.4         | 134.7        | GFFG                               |                     |                      | 142                     | 37                     |
| 2401-03114        | 00000/0000                   | 2-20021/0748                | 02/27/76         | 50             | 5583            | 2428N                              | 09800E                              | 40.9         | 127.8        | GGFG                               |                     |                      | 142                     | 43                     |
| 2401-03120        | 00000/0000                   | 2-20021/0749                | 02/27/76         | 10             | 5583            | 2300N                              | 09739E                              | 41.5         | 126.6        | GG G                               |                     |                      | 142                     | 44                     |
| 2401-03123        | 00000/0000                   | 2-20021/0750                | 02/27/76         | 0              | 5583            | 2134N                              | 09717E                              | 42.2         | 125.3        | GGGG                               |                     |                      | 142                     | 45                     |
| 2401-03125        | 00000/0000                   | 2-20021/0751                | 02/27/76         | 0              | 5583            | 2008N                              | 09655E                              | 42.8         | 124.0        | GGGG                               |                     |                      | 142                     | 46                     |
| 2401-03132        | 00000/0000                   | 2-20021/0752                | 02/27/76         | 10             | 5583            | 1843N                              | 09634E                              | 43.4         | 122.7        | GGGG                               |                     |                      | 142                     | 47                     |
| 2401-03134        | 00000/0000                   | 2-20021/0753                | 02/27/76         | 10             | 5583            | 1715N                              | 09613E                              | 43.9         | 121.3        | GGGG                               |                     |                      | 142                     | 48                     |
| 2401-03141        | 00000/0000                   | 2-20021/0754                | 02/27/76         | 10             | 5583            | 1549N                              | 09552E                              | 44.5         | 119.9        | GGFG                               |                     |                      | 142                     | 49                     |
| 2401-03170        | 00000/0000                   | 2-20021/0755                | 02/27/76         | 50             | 5583            | 0546N                              | 09331E                              | 47.2         | 109.4        | GGG                                |                     |                      | 142                     | 56                     |
| 2401-04520        | 00000/0000                   | 2-20021/0758                | 02/27/76         | 10             | 5584            | 3428N                              | 07506E                              | 35.6         | 135.7        | GGGG                               |                     |                      | 160                     | 36                     |
| 2401-04523        | 00000/0000                   | 2-20021/0759                | 02/27/76         | 10             | 5584            | 3303N                              | 07440E                              | 36.4         | 134.7        | GGGG                               |                     |                      | 160                     | 37                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNB<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2401-04525        | 00000/0000                   | 2-20021/0760                | 02/27/76         | 0              | 5584           | 3137N                              | 07414E                              | 37.2         | 133.6        | GGGG                               |                     |                      | 160                     | 38                     |
| 2401-04532        | 00000/0000                   | 2-20021/0761                | 02/27/76         | 0              | 5584           | 3011N                              | 07349E                              | 38.0         | 132.5        | GGGG                               |                     |                      | 160                     | 39                     |
| 2401-04534        | 00000/0000                   | 2-20021/0762                | 02/27/76         | 0              | 5584           | 2845N                              | 07325E                              | 38.7         | 131.4        | GGGG                               |                     |                      | 160                     | 40                     |
| 2401-04541        | 00000/0000                   | 2-20021/0763                | 02/27/76         | 0              | 5584           | 2719N                              | 07301E                              | 39.5         | 130.2        | GGGF                               |                     |                      | 160                     | 41                     |
| 2401-04543        | 00000/0000                   | 2-20021/0764                | 02/27/76         | 0              | 5584           | 2554N                              | 07238E                              | 40.2         | 129.0        | GGGG                               |                     |                      | 160                     | 42                     |
| 2401-04552        | 00000/0000                   | 2-20021/0765                | 02/27/76         | 0              | 5584           | 2301N                              | 07152E                              | 41.6         | 126.6        | GGGG                               |                     |                      | 160                     | 44                     |
| 2401-04555        | 00000/0000                   | 2-20021/0766                | 02/27/76         | 0              | 5584           | 2135N                              | 07130E                              | 42.2         | 125.3        | GGGG                               |                     |                      | 160                     | 45                     |
| 2401-06434        | 00000/0000                   | 2-20021/0943                | 02/27/76         | 10             | 5585           | 0546N                              | 04153E                              | 47.2         | 109.4        | GGGG                               |                     |                      | 178                     | 56                     |
| 2401-06440        | 00000/0000                   | 2-20021/0798                | 02/27/76         | 60             | 5585           | 0419N                              | 04133E                              | 47.5         | 107.8        | GGGG                               |                     |                      | 178                     | 57                     |
| 2401-06443        | 00000/0000                   | 2-20021/0799                | 02/27/76         | 50             | 5585           | 0253N                              | 04113E                              | 47.7         | 106.2        | GGGG                               |                     |                      | 178                     | 58                     |
| 2401-06445        | 00000/0000                   | 2-20021/0800                | 02/27/76         | 90             | 5585           | 0126N                              | 04054E                              | 47.9         | 104.6        | GGGG                               |                     |                      | 178                     | 59                     |
| 2401-06452        | 00000/0000                   | 2-20021/0801                | 02/27/76         | 90             | 5585           | 0000N                              | 04034E                              | 48.0         | 103.0        | GGGG                               |                     |                      | 178                     | 60                     |
| 2401-06454        | 00000/0000                   | 2-20021/0802                | 02/27/76         | 90             | 5585           | 0125S                              | 04014E                              | 48.1         | 101.3        | GGGG                               |                     |                      | 178                     | 61                     |
| 2401-06461        | 00000/0000                   | 2-20021/0803                | 02/27/76         | 70             | 5585           | 0251S                              | 03954E                              | 48.1         | 99.7         | GGGG                               |                     |                      | 178                     | 62                     |
| 2401-06463        | 00000/0000                   | 2-20021/0804                | 02/27/76         | 50             | 5585           | 0418S                              | 03934E                              | 48.1         | 98.1         | FGGG                               |                     |                      | 178                     | 63                     |
| 2401-06470        | 00000/0000                   | 2-20021/0805                | 02/27/76         | 40             | 5585           | 0544S                              | 03914E                              | 48.0         | 96.5         | FGGG                               |                     |                      | 178                     | 64                     |
| 2401-08113        | 00000/0000                   | 2-20022/0001                | 02/27/76         | 90             | 5586           | 5826N                              | 03354E                              | 19.6         | 152.2        | GGGG                               |                     |                      | 196                     | 19                     |
| 2401-08131        | 00000/0000                   | 2-20022/0002                | 02/27/76         | 40             | 5586           | 5252N                              | 03039E                              | 23.7         | 148.2        | GGGG                               |                     |                      | 196                     | 23                     |
| 2401-08145        | 00000/0000                   | 2-20022/0003                | 02/27/76         | 70             | 5586           | 4714N                              | 02400E                              | 27.5         | 144.4        | GGGG                               |                     |                      | 196                     | 27                     |
| 2401-08151        | 00000/0000                   | 2-20022/0004                | 02/27/76         | 40             | 5586           | 4550N                              | 02255E                              | 28.5         | 143.5        | FGGG                               |                     |                      | 196                     | 28                     |
| 2401-08192        | 00000/0000                   | 2-20022/0005                | 02/27/76         | 10             | 5586           | 3137N                              | 02236E                              | 37.2         | 133.6        | GGGG                               |                     |                      | 196                     | 38                     |
| 2401-08222        | 00000/0000                   | 2-20022/0006                | 02/27/76         | 80             | 5586           | 2137N                              | 01955E                              | 42.2         | 125.2        | GGGF                               |                     |                      | 196                     | 45                     |
| 2401-08260        | 00000/0000                   | 2-20022/0007                | 02/27/76         | 10             | 5586           | 0838N                              | 01645E                              | 46.7         | 112.4        | FGGG                               |                     |                      | 196                     | 54                     |
| 2401-09571        | 00000/0000                   | 2-20022/0008                | 02/27/76         | 50             | 5587           | 5006N                              | 00327E                              | 25.5         | 146.3        | FGGG                               |                     |                      | 214                     | 25                     |
| 2401-09574        | 00000/0000                   | 2-20022/0009                | 02/27/76         | 80             | 5587           | 4842N                              | 00249E                              | 26.0         | 145.4        | GGGG                               |                     |                      | 214                     | 26                     |
| 2401-10051        | 00000/0000                   | 2-20022/0010                | 02/27/76         | 10             | 5587           | 2305N                              | 00534W                              | 41.6         | 126.5        | FGGG                               |                     |                      | 214                     | 44                     |
| 2401-10053        | 00000/0000                   | 2-20022/0011                | 02/27/76         | 10             | 5587           | 2138N                              | 00555W                              | 42.2         | 125.3        | FGGG                               |                     |                      | 214                     | 45                     |
| 2401-10060        | 00000/0000                   | 2-20022/0012                | 02/27/76         | 10             | 5587           | 2012N                              | 00417W                              | 42.9         | 123.9        | FGGG                               |                     |                      | 214                     | 46                     |
| 2401-10062        | 00000/0000                   | 2-20022/0013                | 02/27/76         | 10             | 5587           | 1846N                              | 00638W                              | 43.4         | 122.6        | GGGG                               |                     |                      | 214                     | 47                     |
| 2401-10065        | 00000/0000                   | 2-20022/0014                | 02/27/76         | 0              | 5587           | 1719N                              | 00700W                              | 44.0         | 121.2        | FFGG                               |                     |                      | 214                     | 48                     |
| 2401-13443        | 00000/0000                   | 2-20022/0015                | 02/27/76         | 0              | 5589           | 2134S                              | 06750W                              | 44.9         | 80.2         | GGGG                               |                     |                      | 250                     | 75                     |
| 2401-13450        | 00000/0000                   | 2-20022/0016                | 02/27/76         | 0              | 5589           | 2300S                              | 06813W                              | 44.4         | 79.0         | GGGG                               |                     |                      | 250                     | 76                     |
| 2401-13452        | 00000/0000                   | 2-20022/0017                | 02/27/76         | 0              | 5589           | 2425S                              | 06836W                              | 43.9         | 77.8         | GGGG                               |                     |                      | 250                     | 77                     |
| 2401-13455        | 00000/0000                   | 2-20022/0018                | 02/27/76         | 0              | 5589           | 2551S                              | 06859W                              | 43.3         | 76.6         | GGGG                               |                     |                      | 250                     | 78                     |
| 2401-13464        | 00000/0000                   | 2-20021/0785                | 02/27/76         | 0              | 5589           | 2844S                              | 06945W                              | 42.1         | 74.4         | GGGG                               |                     |                      | 250                     | 80                     |
| 2401-15173        | 00000/0000                   | 2-20021/0786                | 02/27/76         | 80             | 5590           | 1426N                              | 08509W                              | 45.1         | 118.3        | GGGG                               |                     |                      | 17                      | 50                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI NO./<br>POSITION IN RST<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>QUAL<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SUN<br>ORBIT<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-----------------------------------------------|--------------|------------------|-------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|--------------------------|---------------------|----------------------|------------------------|------------------------|
| 2401-15175        | 00000/0000                                    | 2-20021/0787 | 02/27/76         | 70          | 5590                   | 1300N                              | 08530W                              | 45.5         | 116.9        | GGGG              |                          |                     |                      | 17                     | 51                     |
| 2401-15182        | 00000/0000                                    | 2-20021/0788 | 02/27/76         | 40          | 5590                   | 1134N                              | 08550W                              | 46.0         | 115.4        | GGGG              |                          |                     |                      | 17                     | 52                     |
| 2401-18342        | 00000/0000                                    | 2-20021/0816 | 02/27/76         | 80          | 5592                   | 4718N                              | 12652W                              | 27.7         | 144.4        | GFGG              |                          |                     |                      | 53                     | 27                     |
| 2402-01364        | 00000/0000                                    | 2-20021/0789 | 02/28/76         | 10          | 5596                   | 1552N                              | 12018E                              | 44.7         | 119.6        | FGGG              |                          |                     |                      | 125                    | 49                     |
| 2402-01370        | 00000/0000                                    | 2-20021/0790 | 02/28/76         | 10          | 5596                   | 1427N                              | 11957E                              | 45.2         | 118.1        | FGGG              |                          |                     |                      | 125                    | 50                     |
| 2402-01373        | 00000/0000                                    | 2-20021/0791 | 02/28/76         | 20          | 5596                   | 1301N                              | 11937E                              | 45.6         | 116.7        | FFFF              |                          |                     |                      | 125                    | 51                     |
| 2402-03211        | 00000/0000                                    | 2-20021/0792 | 02/28/76         | 10          | 5597                   | 1133N                              | 09326E                              | 46.1         | 115.1        | FGGG              |                          |                     |                      | 143                    | 52                     |
| 2402-03213        | 00000/0000                                    | 2-20021/0793 | 02/28/76         | 20          | 5597                   | 1007N                              | 09306E                              | 46.4         | 113.6        | FGGG              |                          |                     |                      | 143                    | 53                     |
| 2402-03220        | 00000/0000                                    | 2-20021/0794 | 02/28/76         | 50          | 5597                   | 0842N                              | 09246E                              | 46.8         | 112.1        | FGGG              |                          |                     |                      | 143                    | 54                     |
| 2402-03222        | 00000/0000                                    | 2-20021/0795 | 02/28/76         | 70          | 5597                   | 0715N                              | 09226E                              | 47.1         | 110.5        | FGGG              |                          |                     |                      | 143                    | 55                     |
| 2402-03225        | 00000/0000                                    | 2-20021/0796 | 02/28/76         | 80          | 5597                   | 0548N                              | 09205E                              | 47.4         | 109.0        | GGGG              |                          |                     |                      | 143                    | 56                     |
| 2402-03231        | 00000/0000                                    | 2-20021/0797 | 02/28/76         | 100         | 5597                   | 0421N                              | 09145E                              | 47.6         | 107.4        | GGGG              |                          |                     |                      | 143                    | 57                     |
| 2402-04574        | 00000/0000                                    | 2-20021/0806 | 02/28/76         | 10          | 5598                   | 3430N                              | 07341E                              | 35.9         | 135.5        | GGGG              |                          |                     |                      | 161                    | 36                     |
| 2402-04581        | 00000/0000                                    | 2-20021/0807 | 02/28/76         | 0           | 5598                   | 3355N                              | 07315E                              | 36.7         | 134.5        | GGGG              |                          |                     |                      | 161                    | 37                     |
| 2402-04583        | 00000/0000                                    | 2-20021/0808 | 02/28/76         | 0           | 5598                   | 3159N                              | 07249E                              | 37.5         | 133.4        | GGGG              |                          |                     |                      | 161                    | 38                     |
| 2402-04590        | 00000/0000                                    | 2-20021/0809 | 02/28/76         | 0           | 5598                   | 3013N                              | 07225E                              | 38.3         | 132.2        | GGGG              |                          |                     |                      | 161                    | 39                     |
| 2402-04592        | 00000/0000                                    | 2-20021/0810 | 02/28/76         | 10          | 5598                   | 2848N                              | 07200E                              | 39.0         | 131.1        | FGGG              |                          |                     |                      | 161                    | 40                     |
| 2402-04595        | 00000/0000                                    | 2-20021/0811 | 02/28/76         | 10          | 5598                   | 2722N                              | 07136E                              | 39.8         | 129.9        | GGGG              |                          |                     |                      | 161                    | 41                     |
| 2402-05001        | 00000/0000                                    | 2-20021/0812 | 02/28/76         | 0           | 5598                   | 2556N                              | 07113E                              | 40.5         | 128.7        | GGGG              |                          |                     |                      | 161                    | 42                     |
| 2402-05004        | 00000/0000                                    | 2-20021/0813 | 02/28/76         | 0           | 5598                   | 2430N                              | 07050E                              | 41.2         | 127.5        | GGGG              |                          |                     |                      | 161                    | 43                     |
| 2402-05010        | 00000/0000                                    | 2-20021/0814 | 02/28/76         | 0           | 5598                   | 2303N                              | 07027E                              | 41.8         | 126.2        | GGGG              |                          |                     |                      | 161                    | 44                     |
| 2402-05013        | 00000/0000                                    | 2-20021/0815 | 02/28/76         | 0           | 5598                   | 2137N                              | 07005E                              | 42.5         | 125.0        | GGGG              |                          |                     |                      | 161                    | 45                     |
| 2402-06492        | 00000/0000                                    | 2-20021/0944 | 02/28/76         | 80          | 5599                   | 0547N                              | 04028E                              | 47.4         | 108.9        | GGGG              |                          |                     |                      | 179                    | 56                     |
| 2402-06494        | 00000/0000                                    | 2-20021/0945 | 02/28/76         | 80          | 5599                   | 0421N                              | 04008E                              | 47.6         | 107.3        | GGGG              |                          |                     |                      | 179                    | 57                     |
| 2402-06501        | 00000/0000                                    | 2-20021/0946 | 02/28/76         | 90          | 5599                   | 0254N                              | 03948E                              | 47.8         | 105.7        | GGGG              |                          |                     |                      | 179                    | 58                     |
| 2402-06503        | 00000/0000                                    | 2-20021/0947 | 02/28/76         | 100         | 5599                   | 0128N                              | 03929E                              | 48.0         | 104.1        | GGGG              |                          |                     |                      | 179                    | 59                     |
| 2402-06510        | 00000/0000                                    | 2-20021/0948 | 02/28/76         | 90          | 5599                   | 0002N                              | 03909E                              | 48.1         | 102.4        | GGGG              |                          |                     |                      | 179                    | 60                     |
| 2402-06512        | 00000/0000                                    | 2-20021/0949 | 02/28/76         | 90          | 5599                   | 0123S                              | 03849E                              | 48.1         | 100.8        | GGGG              |                          |                     |                      | 179                    | 61                     |
| 2402-06515        | 00000/0000                                    | 2-20021/0856 | 02/28/76         | 60          | 5599                   | 0250S                              | 03829E                              | 48.2         | 99.2         | FGGG              |                          |                     |                      | 179                    | 62                     |
| 2402-06521        | 00000/0000                                    | 2-20021/0857 | 02/28/76         | 70          | 5599                   | 0416S                              | 03809E                              | 48.1         | 97.6         | GGGG              |                          |                     |                      | 179                    | 63                     |
| 2402-06583        | 00000/0000                                    | 2-20021/0858 | 02/28/76         | 60          | 5599                   | 2553S                              | 03250E                              | 43.2         | 76.3         | FGGG              |                          |                     |                      | 179                    | 78                     |
| 2402-06585        | 00000/0000                                    | 2-20021/0859 | 02/28/76         | 50          | 5599                   | 2719S                              | 03227E                              | 42.6         | 75.2         | FGGG              |                          |                     |                      | 179                    | 79                     |
| 2402-08182        | 00000/0000                                    | 2-20021/0860 | 02/28/76         | 80          | 5600                   | 5417N                              | 02959E                              | 23.0         | 149.1        | GGGG              |                          |                     |                      | 197                    | 22                     |
| 2402-08185        | 00000/0000                                    | 2-20021/0817 | 02/28/76         | 70          | 5600                   | 5253N                              | 02915E                              | 24.0         | 148.1        | GGGG              |                          |                     |                      | 197                    | 23                     |
| 2402-08191        | 00000/0000                                    | 2-20021/0818 | 02/28/76         | 50          | 5600                   | 5129N                              | 02833E                              | 25.0         | 147.2        | GFGG              |                          |                     |                      | 197                    | 24                     |
| 2402-08194        | 00000/0000                                    | 2-20021/0819 | 02/28/76         | 20          | 5600                   | 5005N                              | 02752E                              | 26.0         | 146.2        | GFGG              |                          |                     |                      | 197                    | 25                     |

KEYS: C.CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBV<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>POINT<br>OF IMAGE<br>LAT<br>LONG | SUN<br>FLEV.<br>AZIM. | IMAGE-QUAL<br>RBV<br>MSS | QUAL<br>MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|------------------------|-----------------------------------------------|-----------------------|--------------------------|-----------------------------|----------------------|-------------------------|------------------------|
| 2402-08200        | 00000/0000                   | 2-20021/0820               | 02/28/76         | 10             | 5600                   | 4841N                                         | 02713E                | 26.9                     | 145.3                       | FGGG                 | 197                     | 26                     |
| 2402-08203        | 00000/0000                   | 2-20021/0821               | 02/28/76         | 10             | 5600                   | 4717N                                         | 02636E                | 27.9                     | 144.3                       | GGGG                 | 197                     | 27                     |
| 2402-08205        | 00000/0000                   | 2-20021/0822               | 02/28/76         | 30             | 5600                   | 4551N                                         | 02602E                | 28.8                     | 143.4                       | GGGG                 | 197                     | 28                     |
| 2402-08212        | 00000/0000                   | 2-20021/0823               | 02/28/76         | 10             | 5600                   | 4427N                                         | 02528E                | 29.8                     | 142.4                       | FFFG                 | 197                     | 29                     |
| 2402-08214        | 00000/0000                   | 2-20021/0824               | 02/28/76         | 20             | 5600                   | 4302N                                         | 02456E                | 30.7                     | 141.5                       | FGGG                 | 197                     | 30                     |
| 2402-08250        | 00000/0000                   | 2-20021/0825               | 02/28/76         | 50             | 5600                   | 3139N                                         | 02111E                | 37.5                     | 133.3                       | GGGG                 | 197                     | 38                     |
| 2402-08253        | 00000/0000                   | 2-20021/0826               | 02/28/76         | 70             | 5600                   | 3013N                                         | 02046E                | 38.3                     | 132.2                       | GGGG                 | 197                     | 39                     |
| 2402-08291        | 00000/0000                   | 2-20021/0827               | 02/28/76         | 80             | 5600                   | 1719N                                         | 01723E                | 44.2                     | 120.8                       | FFGG                 | 197                     | 48                     |
| 2402-08294        | 00000/0000                   | 2-20021/0828               | 02/28/76         | 80             | 5600                   | 1552N                                         | 01703E                | 44.8                     | 119.4                       | GGGG                 | 197                     | 49                     |
| 2402-08300        | 00000/0000                   | 2-20021/0829               | 02/28/76         | 40             | 5600                   | 1426N                                         | 01642E                | 45.2                     | 118.0                       | GGGG                 | 197                     | 50                     |
| 2402-10021        | 00000/0000                   | 2-20021/0830               | 02/28/76         | 40             | 5601                   | 5253N                                         | 00323E                | 24.0                     | 148.1                       | FFFG                 | 215                     | 23                     |
| 2402-10023        | 00000/0000                   | 2-20021/0831               | 02/28/76         | 30             | 5601                   | 5130N                                         | 00241E                | 25.0                     | 147.2                       | FFFF                 | 215                     | 24                     |
| 2402-10032        | 00000/0000                   | 2-20021/0832               | 02/28/76         | 80             | 5601                   | 4841N                                         | 00123E                | 27.0                     | 145.3                       | GGGG                 | 215                     | 26                     |
| 2402-10073        | 00000/0000                   | 2-20021/0833               | 02/28/76         | 30             | 5601                   | 3430N                                         | 00346W                | 36.0                     | 135.5                       | GGGG                 | 215                     | 36                     |
| 2402-10080        | 00000/0000                   | 2-20021/0834               | 02/28/76         | 0              | 5601                   | 3304N                                         | 00412W                | 36.8                     | 134.4                       | GGGG                 | 215                     | 37                     |
| 2402-10082        | 00000/0000                   | 2-20021/0835               | 02/28/76         | 0              | 5601                   | 3139N                                         | 00438W                | 37.6                     | 133.3                       | GGGG                 | 215                     | 38                     |
| 2402-10085        | 00000/0000                   | 2-20021/0836               | 02/28/76         | 10             | 5601                   | 3013N                                         | 00502W                | 38.3                     | 132.2                       | G                    | 215                     | 39                     |
| 2402-10130        | 00000/0000                   | 2-20021/0837               | 02/28/76         | 0              | 5601                   | 1551N                                         | 00848W                | 44.8                     | 119.4                       | GGGG                 | 215                     | 49                     |
| 2402-10132        | 00000/0000                   | 2-20021/0838               | 02/28/76         | 0              | 5601                   | 1425N                                         | 00908W                | 45.3                     | 118.0                       | GGGG                 | 215                     | 50                     |
| 2402-10135        | 00000/0000                   | 2-20021/0839               | 02/28/76         | 0              | 5601                   | 1258N                                         | 00929W                | 45.7                     | 116.5                       | GGGG                 | 215                     | 51                     |
| 2402-10141        | 00000/0000                   | 2-20021/0840               | 02/28/76         | 0              | 5601                   | 1132N                                         | 00949W                | 46.1                     | 115.0                       | GGGG                 | 215                     | 52                     |
| 2402-10144        | 00000/0000                   | 2-20021/0841               | 02/28/76         | 0              | 5601                   | 1016N                                         | 01010W                | 46.5                     | 113.5                       | GGGG                 | 215                     | 53                     |
| 2402-10150        | 00000/0000                   | 2-20021/0842               | 02/28/76         | 10             | 5601                   | 0839N                                         | 01030W                | 46.8                     | 111.9                       | GGGG                 | 215                     | 54                     |
| 2402-15231        | 00000/0000                   | 2-20021/0843               | 02/28/76         | 80             | 5604                   | 1423N                                         | 08636W                | 45.3                     | 117.8                       | GGGG                 | 18                      | 50                     |
| 2402-15233        | 00000/0000                   | 2-20021/0844               | 02/28/76         | 20             | 5604                   | 1257N                                         | 08656W                | 45.8                     | 116.4                       | GGGG                 | 18                      | 51                     |
| 2402-15240        | 00000/0000                   | 2-20021/0845               | 02/28/76         | 10             | 5604                   | 1130N                                         | 08717W                | 46.2                     | 114.9                       | GGGG                 | 18                      | 52                     |
| 2402-17024        | 00000/0000                   | 2-20021/0871               | 02/28/76         | 10             | 5605                   | 2720N                                         | 10907W                | 39.9                     | 129.7                       | GGGG                 | 36                      | 41                     |
| 2403-03251        | 00000/0000                   | 2-20021/0846               | 02/29/76         | 50             | 5611                   | 1716N                                         | 09321E                | 44.4                     | 120.5                       | GGGG                 | 144                     | 48                     |
| 2403-03253        | 00000/0000                   | 2-20021/0847               | 02/29/76         | 20             | 5611                   | 1504N                                         | 09300E                | 44.9                     | 119.1                       | GGGG                 | 144                     | 49                     |
| 2403-03260        | 00000/0000                   | 2-20021/0848               | 02/29/76         | 10             | 5611                   | 1425N                                         | 09240E                | 45.4                     | 117.6                       | FFGG                 | 144                     | 50                     |
| 2403-03262        | 00000/0000                   | 2-20021/0849               | 02/29/76         | 10             | 5611                   | 1258N                                         | 09220E                | 45.9                     | 116.2                       | FFGG                 | 144                     | 51                     |
| 2403-03265        | 00000/0000                   | 2-20021/0850               | 02/29/76         | 40             | 5611                   | 1131N                                         | 09159E                | 46.3                     | 114.6                       | GGGG                 | 144                     | 52                     |
| 2403-03271        | 00000/0000                   | 2-20021/0851               | 02/29/76         | 70             | 5611                   | 1005N                                         | 09139E                | 46.6                     | 113.1                       | GGGG                 | 144                     | 53                     |
| 2403-03274        | 00000/0000                   | 2-20021/0852               | 02/29/76         | 80             | 5611                   | 0839N                                         | 09118E                | 47.0                     | 111.6                       | GGGG                 | 144                     | 54                     |
| 2403-03280        | 00000/0000                   | 2-20021/0853               | 02/29/76         | 80             | 5611                   | 0713N                                         | 09058E                | 47.3                     | 110.0                       | GGGG                 | 144                     | 55                     |
| 2403-03283        | 00000/0000                   | 2-20021/0854               | 02/29/76         | 70             | 5611                   | 0546N                                         | 09038E                | 47.5                     | 108.4                       | GGGG                 | 144                     | 56                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANHSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2403-03285        | 00000/0000                                     | 2-20021/0855     | 02/29/76       | 90              | 5611                               | 0420N        | 09018E       | 47.7              | 106.8               | FGFG                 | 144                     | 57                     |
| 2403-05024        | 00000/0000                                     | 2-20021/0861     | 02/29/76       | 10              | 5612                               | 3720N        | 07308E       | 34.5              | 137.4               | GGFG                 | 162                     | 34                     |
| 2403-05030        | 00000/0000                                     | 2-20021/0862     | 02/29/76       | 0               | 5612                               | 3554N        | 07241E       | 35.4              | 136.3               | GGGG                 | 162                     | 35                     |
| 2403-05033        | 00000/0000                                     | 2-20021/0863     | 02/29/76       | 10              | 5612                               | 3429N        | 07214E       | 36.2              | 135.3               | GGGG                 | 162                     | 36                     |
| 2403-05035        | 00000/0000                                     | 2-20021/0864     | 02/29/76       | 90              | 5612                               | 3303N        | 07148E       | 37.0              | 134.2               | GGGG                 | 162                     | 37                     |
| 2403-05053        | 00000/0000                                     | 2-20021/0865     | 02/29/76       | 10              | 5612                               | 2719N        | 07009E       | 40.1              | 129.6               | FGGG                 | 162                     | 41                     |
| 2403-05060        | 00000/0000                                     | 2-20021/0866     | 02/29/76       | 0               | 5612                               | 2533N        | 06946E       | 40.8              | 128.4               | FGGF                 | 162                     | 42                     |
| 2403-05062        | 00000/0000                                     | 2-20021/0867     | 02/29/76       | 0               | 5612                               | 2428N        | 06923E       | 41.5              | 127.1               | GGGG                 | 162                     | 43                     |
| 2403-05065        | 00000/0000                                     | 2-20021/0868     | 02/29/76       | 0               | 5612                               | 2302N        | 06900E       | 42.1              | 125.9               | FGGG                 | 162                     | 44                     |
| 2403-05342        | 00000/0000                                     | 2-20021/0869     | 02/29/76       | 80              | 5612                               | 7030S        | 03141E       | 14.7              | 71.5                | FGFF                 | 162                     | 110                    |
| 2403-05344        | 00000/0000                                     | 2-20021/0870     | 02/29/76       | 100             | 5612                               | 7146S        | 02925E       | 13.7              | 73.3                | GGGG                 | 162                     | 111                    |
| 2403-06471        | 00000/0000                                     | 2-20021/0872     | 02/29/76       | 90              | 5613                               | 3303N        | 04600E       | 37.1              | 134.2               | G GG                 | 180                     | 37                     |
| 2403-06550        | 00000/0000                                     | 2-20021/0874     | 02/29/76       | 30              | 5613                               | 0545N        | 03901E       | 47.6              | 108.3               | GFGG                 | 180                     | 56                     |
| 2403-06553        | 00000/0000                                     | 2-20021/0875     | 02/29/76       | 10              | 5613                               | 0419N        | 03842E       | 47.8              | 106.7               | GGFG                 | 180                     | 57                     |
| 2403-06555        | 00000/0000                                     | 2-20021/0876     | 02/29/76       | 40              | 5613                               | 0253N        | 03822E       | 47.9              | 105.1               | GFGG                 | 180                     | 58                     |
| 2403-06564        | 00000/0000                                     | 2-20021/0877     | 02/29/76       | 40              | 5613                               | 0000N        | 03742E       | 48.2              | 101.8               | FGGG                 | 180                     | 60                     |
| 2403-06571        | 00000/0000                                     | 2-20021/0878     | 02/29/76       | 80              | 5613                               | 0125S        | 03722E       | 48.2              | 100.2               | F GG                 | 180                     | 61                     |
| 2403-06573        | 00000/0000                                     | 2-20021/0878     | 02/29/76       | 40              | 5613                               | 0252S        | 03702E       | 48.2              | 98.6                | FGGG                 | 180                     | 62                     |
| 2403-07041        | 00000/0000                                     | 2-20021/0879     | 02/29/76       | 20              | 5613                               | 2555S        | 03123E       | 43.1              | 75.8                | GGGG                 | 180                     | 78                     |
| 2403-08250        | 00000/0000                                     | 2-20021/0880     | 02/29/76       | 100             | 5614                               | 5128N        | 02704E       | 25.4              | 147.0               | FGFG                 | 198                     | 24                     |
| 2403-08252        | 00000/0000                                     | 2-20021/0881     | 02/29/76       | 90              | 5614                               | 5004N        | 02624E       | 26.4              | 146.1               | GGF                  | 198                     | 25                     |
| 2403-08305        | 00000/0000                                     | 2-20021/0882     | 02/29/76       | 10              | 5614                               | 3137N        | 01944E       | 37.9              | 133.0               | GGF                  | 198                     | 38                     |
| 2403-08325        | 00000/0000                                     | 2-20021/0883     | 02/29/76       | 90              | 5614                               | 2428N        | 01746E       | 41.5              | 127.1               | GGG                  | 198                     | 43                     |
| 2403-08332        | 00000/0000                                     | 2-20021/0884     | 02/29/76       | 30              | 5614                               | 2302N        | 01724E       | 42.2              | 125.8               | GPG                  | 198                     | 44                     |
| 2403-08334        | 00000/0000                                     | 2-20021/0885     | 02/29/76       | 0               | 5614                               | 2137N        | 01702E       | 42.8              | 124.5               | GFG                  | 198                     | 45                     |
| 2403-08341        | 00000/0000                                     | 2-20021/0886     | 02/29/76       | 10              | 5614                               | 2010N        | 01640E       | 43.4              | 123.2               | GGG                  | 198                     | 46                     |
| 2403-08343        | 00000/0000                                     | 2-20021/0887     | 02/29/76       | 10              | 5614                               | 1843N        | 01618E       | 44.0              | 121.8               | GGG                  | 198                     | 47                     |
| 2403-08350        | 00000/0000                                     | 2-20021/0888     | 02/29/76       | 10              | 5614                               | 1717N        | 01556E       | 44.5              | 120.4               | GGGG                 | 198                     | 48                     |
| 2403-08352        | 00000/0000                                     | 2-20021/0893     | 02/29/76       | 10              | 5614                               | 1551N        | 01535E       | 45.0              | 119.0               | GGGG                 | 198                     | 49                     |
| 2403-08370        | 00000/0000                                     | 2-20021/0894     | 02/29/76       | 10              | 5614                               | 1006N        | 01412E       | 46.7              | 113.0               | GGGG                 | 198                     | 53                     |
| 2403-08373        | 00000/0000                                     | 2-20021/0895     | 02/29/76       | 10              | 5614                               | 0839N        | 01352E       | 47.0              | 111.4               | GGGG                 | 198                     | 54                     |
| 2403-08375        | 00000/0000                                     | 2-20021/0896     | 02/29/76       | 80              | 5614                               | 0712N        | 01332E       | 47.3              | 109.9               | GGGG                 | 198                     | 55                     |
| 2403-10070        | 00000/0000                                     | 2-20021/0897     | 02/29/76       | 50              | 5615                               | 5542N        | 00330E       | 22.4              | 150.0               | GGGG                 | 216                     | 21                     |
| 2403-10072        | 00000/0000                                     | 2-20021/0898     | 02/29/76       | 30              | 5615                               | 5419N        | 00242E       | 23.4              | 149.0               | GGGG                 | 216                     | 22                     |
| 2403-10075        | 00000/0000                                     | 2-20021/0899     | 02/29/76       | 70              | 5615                               | 5255N        | 00157E       | 24.4              | 148.0               | GGGG                 | 216                     | 23                     |
| 2403-10081        | 00000/0000                                     | 2-20021/0900     | 02/29/76       | 90              | 5615                               | 5131N        | 00115E       | 25.4              | 147.1               | GGGG                 | 216                     | 24                     |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2403-10084        | 00000/0000                   | 2-20021/0901                | 02/29/76         | 60             | 5615                   | 5007N                              | 00035E                              | 26.3         | 146.1        | GGGG                               |                     |                      | 216                     | 25                     |
| 2403-10090        | 00000/0000                   | 2-20021/0902                | 02/29/76         | 30             | 5615                   | 4843N                              | 00002W                              | 27.3         | 145.2        | GGGG                               |                     |                      | 216                     | 26                     |
| 2403-10113        | 00000/0000                   | 2-20021/0907                | 02/29/76         | 10             | 5615                   | 4013N                              | 00322W                              | 32.9         | 139.4        | GGG                                |                     |                      | 216                     | 32                     |
| 2403-10120        | 00000/0000                   | 2-20021/0908                | 02/29/76         | 10             | 5615                   | 3848N                              | 00350W                              | 33.7         | 138.4        | GGGG                               |                     |                      | 216                     | 33                     |
| 2403-10122        | 00000/0000                   | 2-20021/0909                | 02/29/76         | 10             | 5615                   | 3723N                              | 00418W                              | 34.6         | 137.3        | GGGG                               |                     |                      | 216                     | 34                     |
| 2403-10125        | 00000/0000                   | 2-20021/0910                | 02/29/76         | 20             | 5615                   | 3558N                              | 00445W                              | 35.4         | 136.3        | GFGG                               |                     |                      | 216                     | 35                     |
| 2403-10131        | 00000/0000                   | 2-20021/0911                | 02/29/76         | 10             | 5615                   | 3432N                              | 00511W                              | 36.3         | 135.2        | GGGG                               |                     |                      | 216                     | 36                     |
| 2403-10172        | 00000/0000                   | 2-20021/0912                | 02/29/76         | 10             | 5615                   | 2012N                              | 00909W                              | 43.4         | 123.2        | GGGG                               |                     |                      | 216                     | 46                     |
| 2403-10175        | 00000/0000                   | 2-20021/0913                | 02/29/76         | 20             | 5615                   | 1846N                              | 00930W                              | 44.0         | 121.8        | GFGG                               |                     |                      | 216                     | 47                     |
| 2403-10195        | 00000/0000                   | 2-20021/0914                | 02/29/76         | 0              | 5615                   | 1134N                              | 01115W                              | 46.3         | 114.5        | FGGG                               |                     |                      | 216                     | 52                     |
| 2403-10202        | 00000/0000                   | 2-20021/0915                | 02/29/76         | 0              | 5615                   | 1007N                              | 01135W                              | 46.7         | 113.0        | GGGG                               |                     |                      | 216                     | 53                     |
| 2403-10204        | 00000/0000                   | 2-20021/0916                | 02/29/76         | 0              | 5615                   | 0841N                              | 01156W                              | 47.0         | 111.5        | FFGG                               |                     |                      | 216                     | 54                     |
| 2403-10211        | 00000/0000                   | 2-20021/0917                | 02/29/76         | 10             | 5615                   | 0715N                              | 01216W                              | 47.3         | 109.9        | GGGG                               |                     |                      | 216                     | 55                     |
| 2403-15153        | 00000/0000                   | 2-20021/0918                | 02/29/76         | 100            | 5618                   | 5940N                              | 07112W                              | 19.4         | 153.2        | GGGG                               |                     |                      | 19                      | 18                     |
| 2403-15160        | 00000/0000                   | 2-20021/0919                | 02/29/76         | 40             | 5618                   | 5829N                              | 07209W                              | 20.5         | 152.1        | FGGG                               |                     |                      | 19                      | 19                     |
| 2403-15162        | 00000/0000                   | 2-20021/0920                | 02/29/76         | 0              | 5618                   | 5705N                              | 07304W                              | 21.5         | 151.0        | GGGG                               |                     |                      | 19                      | 20                     |
| 2403-15165        | 00000/0000                   | 2-20021/0921                | 02/29/76         | 0              | 5618                   | 5542N                              | 07355W                              | 22.5         | 150.0        | GGGG                               |                     |                      | 19                      | 21                     |
| 2403-15171        | 00000/0000                   | 2-20021/0922                | 02/29/76         | 0              | 5618                   | 5418N                              | 07444W                              | 23.5         | 149.0        | GGGG                               |                     |                      | 19                      | 22                     |
| 2403-15174        | 00000/0000                   | 2-20021/0923                | 02/29/76         | 30             | 5618                   | 5255N                              | 07529W                              | 24.5         | 148.0        | GGGG                               |                     |                      | 19                      | 23                     |
| 2403-15180        | 00000/0000                   | 2-20021/0924                | 02/29/76         | 80             | 5618                   | 5131N                              | 07612W                              | 25.5         | 147.0        | GGGG                               |                     |                      | 19                      | 24                     |
| 2403-15183        | 00000/0000                   | 2-20021/0925                | 02/29/76         | 100            | 5618                   | 5006N                              | 07653W                              | 26.4         | 146.1        | GFGG                               |                     |                      | 19                      | 25                     |
| 2403-15285        | 00000/0000                   | 2-20021/0903                | 02/29/76         | 40             | 5618                   | 1426N                              | 08801W                              | 45.5         | 117.4        | GGGG                               |                     |                      | 19                      | 50                     |
| 2403-15292        | 00000/0000                   | 2-20021/0904                | 02/29/76         | 10             | 5618                   | 1249N                              | 08821W                              | 46.0         | 115.9        | GGGG                               |                     |                      | 19                      | 51                     |
| 2403-17080        | 00000/0000                   | 2-20021/0906                | 02/29/76         | 10             | 5619                   | 2847N                              | 11010W                              | 39.5         | 130.7        | GGGG                               |                     |                      | 37                      | 40                     |
| 2403-17082        | 00000/0000                   | 2-20021/0905                | 02/29/76         | 10             | 5619                   | 2721N                              | 11033W                              | 40.2         | 129.5        | G GG                               |                     |                      | 37                      | 41                     |
| 2404-01433        | 00000/0000                   | 2-20021/0889                | 03/01/76         | 80             | 5624                   | 3140N                              | 12135E                              | 38.1         | 132.9        | GGGF                               |                     |                      | 127                     | 38                     |
| 2404-01435        | 00000/0000                   | 2-20021/0890                | 03/01/76         | 20             | 5624                   | 3014N                              | 12110E                              | 38.9         | 131.7        | GGGG                               |                     |                      | 127                     | 39                     |
| 2404-01442        | 00000/0000                   | 2-20021/0891                | 03/01/76         | 10             | 5624                   | 2848N                              | 12046E                              | 39.6         | 130.6        | FGGG                               |                     |                      | 127                     | 40                     |
| 2404-01444        | 00000/0000                   | 2-20021/0892                | 03/01/76         | 30             | 5624                   | 2722N                              | 12023E                              | 40.3         | 129.4        | FGGF                               |                     |                      | 127                     | 41                     |
| 2404-03280        | 00000/0000                   | 2-20021/0926                | 03/01/76         | 10             | 5625                   | 2721N                              | 09433E                              | 40.3         | 129.3        | GGGG                               |                     |                      | 145                     | 41                     |
| 2404-03282        | 00000/0000                   | 2-20021/0927                | 03/01/76         | 10             | 5625                   | 2545N                              | 09410E                              | 41.0         | 128.1        | GGGG                               |                     |                      | 145                     | 42                     |
| 2404-03285        | 00000/0000                   | 2-20021/0928                | 03/01/76         | 10             | 5625                   | 2429N                              | 09347E                              | 41.7         | 126.9        | GGGG                               |                     |                      | 145                     | 43                     |
| 2404-03291        | 00000/0000                   | 2-20021/0929                | 03/01/76         | 0              | 5625                   | 2303N                              | 09324E                              | 42.4         | 125.6        | GGGG                               |                     |                      | 145                     | 44                     |
| 2404-03294        | 00000/0000                   | 2-20021/0930                | 03/01/76         | 0              | 5625                   | 2137N                              | 09302E                              | 43.0         | 124.3        | GGGG                               |                     |                      | 145                     | 45                     |
| 2404-03300        | 00000/0000                   | 2-20021/0931                | 03/01/76         | 0              | 5625                   | 2011N                              | 09240E                              | 43.6         | 122.9        | GGGG                               |                     |                      | 145                     | 46                     |
| 2404-03303        | 00000/0000                   | 2-20021/0932                | 03/01/76         | 0              | 5625                   | 1845N                              | 09218E                              | 44.1         | 121.5        | FGGG                               |                     |                      | 145                     | 47                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=RAW, NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-05  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2404-03305        | 00000/0000                   | 2-20021/0933                | 03/01/76         | 10             | 5625            | 1719N                              | 09157E                              | 44.7         | 120.1        | F G G G                            |                     |                      | 145                     | 48                     |
| 2404-03312        | 00000/0000                   | 2-20021/0934                | 03/01/76         | 30             | 5625            | 1553N                              | 09136E                              | 45.2         | 118.7        | F G G                              |                     |                      | 145                     | 49                     |
| 2404-03314        | 00000/0000                   | 2-20021/0935                | 03/01/76         | 10             | 5625            | 1426N                              | 09115E                              | 45.6         | 117.2        | F G G                              |                     |                      | 145                     | 50                     |
| 2404-03321        | 00000/0000                   | 2-20021/0936                | 03/01/76         | 20             | 5625            | 1259N                              | 09055E                              | 46.1         | 115.7        | F G G G                            |                     |                      | 145                     | 51                     |
| 2404-03323        | 00000/0000                   | 2-20021/0937                | 03/01/76         | 10             | 5625            | 1133N                              | 09034E                              | 46.5         | 114.2        | F G G G                            |                     |                      | 145                     | 52                     |
| 2404-03330        | 00000/0000                   | 2-20021/0938                | 03/01/76         | 40             | 5625            | 1007N                              | 09014E                              | 46.8         | 112.7        | F G G G                            |                     |                      | 145                     | 53                     |
| 2404-03332        | 00000/0000                   | 2-20021/0939                | 03/01/76         | 20             | 5625            | 0840N                              | 08953E                              | 47.1         | 111.1        | F G G G                            |                     |                      | 145                     | 54                     |
| 2404-03335        | 00000/0000                   | 2-20021/0940                | 03/01/76         | 40             | 5625            | 0714N                              | 08933E                              | 47.4         | 109.5        | F G G G                            |                     |                      | 145                     | 55                     |
| 2404-03341        | 00000/0000                   | 2-20021/0941                | 03/01/76         | 90             | 5625            | 0548N                              | 08914E                              | 47.7         | 107.9        | G G G G                            |                     |                      | 145                     | 56                     |
| 2404-03344        | 00000/0000                   | 2-20021/0942                | 03/01/76         | 50             | 5625            | 0421N                              | 08854E                              | 47.9         | 106.3        | G G G G                            |                     |                      | 145                     | 57                     |
| 2404-07095        | 00000/0000                   | 2-20021/0950                | 03/01/76         | 50             | 5627            | 2554S                              | 02958E                              | 42.9         | 75.3         | G G G G                            |                     |                      | 181                     | 78                     |
| 2404-07102        | 00000/0000                   | 2-20021/0951                | 03/01/76         | 20             | 5627            | 2720S                              | 02934E                              | 42.3         | 74.2         | G G G G                            |                     |                      | 181                     | 79                     |
| 2404-08295        | 00000/0000                   | 2-20021/0953                | 03/01/76         | 100            | 5628            | 5407N                              | 02659E                              | 23.9         | 148.8        | F G G G                            |                     |                      | 199                     | 22                     |
| 2404-08302        | 00000/0000                   | 2-20021/0954                | 03/01/76         | 100            | 5628            | 5243N                              | 02615E                              | 24.9         | 147.8        | G G G G                            |                     |                      | 199                     | 23                     |
| 2404-08304        | 00000/0000                   | 2-20021/0955                | 03/01/76         | 80             | 5628            | 5119N                              | 02533E                              | 25.9         | 146.8        | F G G G                            |                     |                      | 199                     | 24                     |
| 2404-08311        | 00000/0000                   | 2-20021/0956                | 03/01/76         | 20             | 5628            | 4954N                              | 02453E                              | 26.8         | 145.9        | G G G G                            |                     |                      | 199                     | 25                     |
| 2404-08313        | 00000/0000                   | 2-20021/0957                | 03/01/76         | 50             | 5628            | 4830N                              | 02415E                              | 27.8         | 144.9        | G G G G                            |                     |                      | 199                     | 26                     |
| 2404-08383        | 00000/0000                   | 2-20021/0958                | 03/01/76         | 0              | 5628            | 2499N                              | 01619E                              | 41.8         | 126.8        | G G G G                            |                     |                      | 199                     | 43                     |
| 2404-08390        | 00000/0000                   | 2-20021/0959                | 03/01/76         | 0              | 5628            | 2303N                              | 01557E                              | 42.4         | 125.5        | G G G G                            |                     |                      | 199                     | 44                     |
| 2404-08392        | 00000/0000                   | 2-20021/0960                | 03/01/76         | 0              | 5628            | 2137N                              | 01535E                              | 43.1         | 124.2        | G G G G                            |                     |                      | 199                     | 45                     |
| 2404-08395        | 00000/0000                   | 2-20021/0961                | 03/01/76         | 0              | 5628            | 2011N                              | 01512E                              | 43.6         | 122.8        | G G G G                            |                     |                      | 199                     | 46                     |
| 2404-08401        | 00000/0000                   | 2-20021/0962                | 03/01/76         | 10             | 5628            | 1845N                              | 01451E                              | 44.2         | 121.4        | G G G G                            |                     |                      | 199                     | 47                     |
| 2404-08404        | 00000/0000                   | 2-20021/0963                | 03/01/76         | 10             | 5628            | 1718N                              | 01430E                              | 44.7         | 120.0        | G G G G                            |                     |                      | 199                     | 48                     |
| 2404-08410        | 00000/0000                   | 2-20021/0964                | 03/01/76         | 0              | 5628            | 1552N                              | 01410E                              | 45.2         | 118.6        | G G G G                            |                     |                      | 199                     | 49                     |
| 2404-08413        | 00000/0000                   | 2-20021/0976                | 03/01/76         | 20             | 5628            | 1426N                              | 01349E                              | 45.7         | 117.1        | G G G G                            |                     |                      | 199                     | 50                     |
| 2404-08415        | 00000/0000                   | 2-20021/0977                | 03/01/76         | 50             | 5628            | 1259N                              | 01329E                              | 46.1         | 115.6        | G G G G                            |                     |                      | 199                     | 51                     |
| 2404-08422        | 00000/0000                   | 2-20021/0978                | 03/01/76         | 10             | 5628            | 1133N                              | 01308E                              | 46.5         | 114.1        | G G G G                            |                     |                      | 199                     | 52                     |
| 2404-08431        | 00000/0000                   | 2-20021/0979                | 03/01/76         | 10             | 5628            | 0839N                              | 01226E                              | 47.2         | 111.0        | G G G G                            |                     |                      | 199                     | 54                     |
| 2404-08433        | 00000/0000                   | 2-20021/0980                | 03/01/76         | 10             | 5628            | 0713N                              | 01206E                              | 47.5         | 109.4        | G G G G                            |                     |                      | 199                     | 55                     |
| 2404-10165        | 00000/0000                   | 2-20021/0981                | 03/01/76         | 20             | 5629            | 4136N                              | 00416W                              | 32.3         | 140.2        | G G G G                            |                     |                      | 217                     | 31                     |
| 2404-10172        | 00000/0000                   | 2-20021/0982                | 03/01/76         | 50             | 5629            | 4011N                              | 00446W                              | 33.2         | 139.2        | G G G G                            |                     |                      | 217                     | 32                     |
| 2404-10174        | 00000/0000                   | 2-20021/0983                | 03/01/76         | 30             | 5629            | 3846N                              | 00515W                              | 34.1         | 138.1        | G G G G                            |                     |                      | 217                     | 33                     |
| 2404-10260        | 00000/0000                   | 2-20021/0984                | 03/01/76         | 10             | 5629            | 1005N                              | 01301W                              | 46.9         | 112.5        | G G G G                            |                     |                      | 217                     | 53                     |
| 2404-10263        | 00000/0000                   | 2-20021/0985                | 03/01/76         | 10             | 5629            | 0839N                              | 01321W                              | 47.2         | 110.9        | G G G G                            |                     |                      | 217                     | 54                     |
| 2404-13405        | 2-20027/0594                 | 00000/0000                  | 03/01/76         | 20             | 5631            | 5001N                              | 05.29W                              | 26.8         | 145.9        | G                                  |                     |                      | 2                       | 25                     |
| 2404-13412        | 2-20027/0595                 | 00000/0000                  | 03/01/76         | 80             | 5631            | 4836N                              | 05308W                              | 27.8         | 145.0        | F                                  |                     |                      | 2                       | 26                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SBBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2404-13414        | 2-20027/0596                 | 00000/0000                  | 03/01/76         | 90             | 5631            | 4711N                        | 05344W        | 28.7         | 144.0        | F                                  |                     |                      | 2                       | 27                     |
| 2404-13432        | 2-20027/0597                 | 00000/0000                  | 03/01/76         | 60             | 5631            | 4132N                        | 05555W        | 32.4         | 140.1        | PP                                 |                     |                      | 2                       | 31                     |
| 2404-13435        | 2-20027/0598                 | 00000/0000                  | 03/01/76         | 70             | 5631            | 4007N                        | 05625W        | 33.3         | 139.1        | PP                                 |                     |                      | 2                       | 32                     |
| 2404-13441        | 2-20027/0599                 | 00000/0000                  | 03/01/76         | 60             | 5631            | 3842N                        | 05655W        | 34.2         | 138.1        | FF                                 |                     |                      | 2                       | 33                     |
| 2404-13455        | 2-20027/0600                 | 00000/0000                  | 03/01/76         | 70             | 5631            | 3300N                        | 05844W        | 37.5         | 133.8        | FFF                                |                     |                      | 2                       | 37                     |
| 2404-13462        | 2-20027/0601                 | 00000/0000                  | 03/01/76         | 40             | 5631            | 3134N                        | 05909W        | 38.3         | 132.7        | FFF                                |                     |                      | 2                       | 38                     |
| 2404-13464        | 2-20027/0602                 | 00000/0000                  | 03/01/76         | 40             | 5631            | 3008N                        | 05934W        | 39.1         | 131.5        | FFF                                |                     |                      | 2                       | 39                     |
| 2404-13471        | 2-20027/0603                 | 00000/0000                  | 03/01/76         | 60             | 5631            | 2842N                        | 05958W        | 39.8         | 130.3        | FFF                                |                     |                      | 2                       | 40                     |
| 2404-13473        | 2-20027/0604                 | 00000/0000                  | 03/01/76         | 70             | 5631            | 2716N                        | 06021W        | 40.5         | 129.1        | FFF                                |                     |                      | 2                       | 41                     |
| 2404-15232        | 00000/0000                   | 2-20021/0986                | 03/01/76         | 0              | 5632            | 5250N                        | 07655W        | 24.9         | 147.9        | GGG                                | GGGG                |                      | 20                      | 23                     |
| 2404-15234        | 00000/0000                   | 2-20021/0987                | 03/01/76         | 0              | 5632            | 5126N                        | 07738W        | 25.9         | 146.9        | GGG                                | GGGG                |                      | 20                      | 24                     |
| 2404-15241        | 00000/0000                   | 2-20021/0988                | 03/01/76         | 0              | 5632            | 5002N                        | 07819W        | 26.9         | 145.9        | GGG                                | GGGG                |                      | 20                      | 25                     |
| 2404-17134        | 2-20027/0522                 | 00000/0000                  | 03/01/76         | 20             | 5633            | 2842N                        | 11137W        | 39.8         | 130.3        | GGG                                |                     |                      | 38                      | 40                     |
| 2404-17141        | 2-20027/0523                 | 00000/0000                  | 03/01/76         | 10             | 5633            | 2716N                        | 11200W        | 40.6         | 129.1        | GGG                                |                     |                      | 38                      | 41                     |
| 2404-17143        | 2-20027/0524                 | 00000/0000                  | 03/01/76         | 30             | 5633            | 2550N                        | 11223W        | 41.3         | 127.9        | GGG                                |                     |                      | 38                      | 42                     |
| 2404-17150        | 2-20027/0525                 | 00000/0000                  | 03/01/76         | 40             | 5633            | 2425N                        | 11245W        | 41.9         | 126.6        | GGG                                |                     |                      | 38                      | 43                     |
| 2404-17152        | 2-20027/0526                 | 00000/0000                  | 03/01/76         | 90             | 5633            | 2249N                        | 11307W        | 42.6         | 125.3        | GGG                                |                     |                      | 38                      | 44                     |
| 2404-17155        | 2-20027/0527                 | 00000/0000                  | 03/01/76         | 90             | 5633            | 2133N                        | 11329W        | 43.2         | 124.0        | GGG                                |                     |                      | 38                      | 45                     |
| 2404-17161        | 2-20027/0528                 | 00000/0000                  | 03/01/76         | 40             | 5633            | 2007N                        | 11351W        | 43.8         | 122.6        | GGG                                |                     |                      | 38                      | 46                     |
| 2404-17164        | 2-20027/0529                 | 00000/0000                  | 03/01/76         | 10             | 5633            | 1841N                        | 11412W        | 44.3         | 121.2        | GGG                                |                     |                      | 38                      | 47                     |
| 2404-17170        | 2-20027/0530                 | 00000/0000                  | 03/01/76         | 20             | 5633            | 1715N                        | 11434W        | 44.8         | 119.8        | GGG                                |                     |                      | 38                      | 48                     |
| 2404-17173        | 2-20027/0531                 | 00000/0000                  | 03/01/76         | 40             | 5633            | 1548N                        | 11455W        | 45.3         | 118.3        | GGG                                |                     |                      | 38                      | 49                     |
| 2404-17175        | 2-20027/0532                 | 00000/0000                  | 03/01/76         | 50             | 5633            | 1422N                        | 11516W        | 45.8         | 116.9        | GGG                                |                     |                      | 38                      | 50                     |
| 2404-17182        | 2-20027/0533                 | 00000/0000                  | 03/01/76         | 60             | 5633            | 1255N                        | 11536W        | 46.2         | 115.4        | GGG                                |                     |                      | 38                      | 51                     |
| 2404-18434        | 2-20027/0506                 | 00000/0000                  | 03/01/76         | 30             | 5634            | 7300N                        | 10805W        | 9.4          | 169.9        | GGG                                |                     |                      | 56                      | 8                      |
| 2404-18440        | 2-20027/0507                 | 00000/0000                  | 03/01/76         | 10             | 5634            | 7145N                        | 11038W        | 10.5         | 167.4        | GGG                                |                     |                      | 56                      | 9                      |
| 2404-18443        | 2-20027/0508                 | 00000/0000                  | 03/01/76         | 10             | 5634            | 7029N                        | 11254W        | 11.6         | 165.1        | GGG                                |                     |                      | 56                      | 10                     |
| 2404-18445        | 2-20027/0509                 | 00000/0000                  | 03/01/76         | 0              | 5634            | 6912N                        | 11453W        | 12.6         | 163.2        | GGG                                |                     |                      | 56                      | 11                     |
| 2404-18452        | 2-20027/0510                 | 00000/0000                  | 03/01/76         | 0              | 5634            | 6753N                        | 11639W        | 13.7         | 161.4        | GGG                                |                     |                      | 56                      | 12                     |
| 2404-18454        | 2-20027/0511                 | 00000/0000                  | 03/01/76         | 0              | 5634            | 6634N                        | 11815W        | 14.7         | 159.7        | GGG                                |                     |                      | 56                      | 13                     |
| 2404-18461        | 2-20027/0512                 | 00000/0000                  | 03/01/76         | 0              | 5634            | 6514N                        | 11941W        | 15.8         | 158.2        | GGG                                |                     |                      | 56                      | 14                     |
| 2404-18463        | 2-20027/0513                 | 00000/0000                  | 03/01/76         | 50             | 5634            | 6353N                        | 12101W        | 16.8         | 156.8        | GGG                                |                     |                      | 56                      | 15                     |
| 2404-18470        | 2-20027/0514                 | 00000/0000                  | 03/01/76         | 0              | 5634            | 6231N                        | 12214W        | 17.9         | 155.5        | GGG                                |                     |                      | 56                      | 16                     |
| 2404-18472        | 2-20027/0515                 | 00000/0000                  | 03/01/76         | 0              | 5634            | 6109N                        | 12322W        | 18.9         | 154.3        | GGG                                |                     |                      | 56                      | 17                     |
| 2404-18475        | 2-20027/0516                 | 00000/0000                  | 03/01/76         | 10             | 5634            | 5946N                        | 12425W        | 19.9         | 153.1        | GGG                                |                     |                      | 56                      | 18                     |
| 2404-18481        | 2-20027/0517                 | 00000/0000                  | 03/01/76         | 10             | 5634            | 5823N                        | 12523W        | 21.0         | 152.0        | GGG                                |                     |                      | 56                      | 19                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                                                |              |                  |                |                 |                                    |                                     |              |              | 123               | 45678               |                      |                         |                        |
| 2404-18484        | 2-20027/0518                                   | 00000/0000   | 03/01/76         | 10             | 5634            | 5701N                              | 12616W                              | 22.0         | 150.9        | GGG               |                     |                      | 56                      | 20                     |
| 2404-18495        | 2-20027/0519                                   | 00000/0000   | 03/01/76         | 10             | 5634            | 5251N                              | 12835W                              | 25.0         | 147.8        | GGG               |                     |                      | 56                      | 23                     |
| 2404-18502        | 2-20027/0520                                   | 00000/0000   | 03/01/76         | 40             | 5634            | 5127N                              | 12917W                              | 25.9         | 146.9        | GGG               |                     |                      | 56                      | 24                     |
| 2404-18504        | 2-20027/0521                                   | 00000/0000   | 03/01/76         | 80             | 5634            | 5003N                              | 12956W                              | 26.9         | 145.9        | GGG               |                     |                      | 56                      | 25                     |
| 2405-01491        | 00000/0000                                     | 2-20021/0965 | 03/02/76         | 10             | 5638            | 3138N                              | 12008E                              | 38.4         | 132.6        | GGG               |                     |                      | 128                     | 38                     |
| 2405-01493        | 00000/0000                                     | 2-20021/0966 | 03/02/76         | 10             | 5638            | 3013N                              | 11943E                              | 39.2         | 131.4        | GGG               |                     |                      | 128                     | 39                     |
| 2405-01500        | 00000/0000                                     | 2-20021/0967 | 03/02/76         | 10             | 5638            | 2847N                              | 11919E                              | 39.9         | 130.2        | GGG               |                     |                      | 128                     | 40                     |
| 2405-01502        | 00000/0000                                     | 2-20021/0968 | 03/02/76         | 30             | 5638            | 2721N                              | 11855E                              | 40.6         | 129.0        | GGG               |                     |                      | 128                     | 41                     |
| 2405-01505        | 00000/0000                                     | 2-20021/0969 | 03/02/76         | 50             | 5638            | 2554N                              | 11832E                              | 41.3         | 127.8        | GGG               |                     |                      | 128                     | 42                     |
| 2405-01511        | 00000/0000                                     | 2-20021/0970 | 03/02/76         | 40             | 5638            | 2428N                              | 11809E                              | 42.0         | 126.5        | GGG               |                     |                      | 128                     | 43                     |
| 2405-03304        | 00000/0000                                     | 2-20021/0971 | 03/02/76         | 10             | 5639            | 3719N                              | 09604E                              | 35.2         | 136.9        | GGG               |                     |                      | 146                     | 34                     |
| 2405-03311        | 00000/0000                                     | 2-20021/0972 | 03/02/76         | 10             | 5639            | 3554N                              | 09536E                              | 36.0         | 135.9        | GGG               |                     |                      | 146                     | 35                     |
| 2405-03340        | 00000/0000                                     | 2-20021/0952 | 03/02/76         | 10             | 5639            | 2554N                              | 09242E                              | 41.4         | 127.8        | GGG               |                     |                      | 146                     | 42                     |
| 2405-03343        | 00000/0000                                     | 2-20021/0973 | 03/02/76         | 10             | 5639            | 2428N                              | 09219E                              | 42.0         | 126.5        | GGG               |                     |                      | 146                     | 43                     |
| 2405-03345        | 00000/0000                                     | 2-20021/0974 | 03/02/76         | 10             | 5639            | 2302N                              | 09157E                              | 42.7         | 125.2        | GGG               |                     |                      | 146                     | 44                     |
| 2405-03352        | 00000/0000                                     | 2-20021/0975 | 03/02/76         | 10             | 5639            | 2135N                              | 09135E                              | 43.3         | 123.9        | GGG               |                     |                      | 146                     | 45                     |
| 2405-03361        | 00000/0000                                     | 2-20021/0634 | 03/02/76         | 0              | 5639            | 1844N                              | 09051E                              | 44.4         | 121.1        | GGG               |                     |                      | 146                     | 47                     |
| 2405-03363        | 00000/0000                                     | 2-20021/0635 | 03/02/76         | 0              | 5639            | 1717N                              | 09030E                              | 44.9         | 119.7        | GGG               |                     |                      | 146                     | 48                     |
| 2405-03370        | 00000/0000                                     | 2-20021/0636 | 03/02/76         | 0              | 5639            | 1551N                              | 09009E                              | 45.4         | 118.2        | GGG               |                     |                      | 146                     | 49                     |
| 2405-03372        | 00000/0000                                     | 2-20021/0637 | 03/02/76         | 10             | 5639            | 1424N                              | 08948E                              | 45.9         | 116.7        | GGG               |                     |                      | 146                     | 50                     |
| 2405-03375        | 00000/0000                                     | 2-20021/0638 | 03/02/76         | 10             | 5639            | 1258N                              | 08927E                              | 46.3         | 115.2        | GGG               |                     |                      | 146                     | 51                     |
| 2405-03381        | 00000/0000                                     | 2-20021/0639 | 03/02/76         | 10             | 5639            | 1132N                              | 08907E                              | 46.7         | 113.7        | GGG               |                     |                      | 146                     | 52                     |
| 2405-03384        | 00000/0000                                     | 2-20021/0640 | 03/02/76         | 10             | 5639            | 1005N                              | 08847E                              | 47.0         | 112.1        | GGG               |                     |                      | 146                     | 53                     |
| 2405-03390        | 00000/0000                                     | 2-20021/0633 | 03/02/76         | 10             | 5639            | 0839N                              | 08827E                              | 47.3         | 110.6        | GGG               |                     |                      | 146                     | 54                     |
| 2405-03393        | 00000/0000                                     | 2-20021/0641 | 03/02/76         | 10             | 5639            | 0713N                              | 08807E                              | 47.6         | 109.0        | GGG               |                     |                      | 146                     | 55                     |
| 2405-03395        | 00000/0000                                     | 2-20021/0642 | 03/02/76         | 20             | 5639            | 0545N                              | 08747E                              | 47.8         | 107.3        | GGG               |                     |                      | 146                     | 56                     |
| 2405-03402        | 00000/0000                                     | 2-20021/0643 | 03/02/76         | 20             | 5639            | 0419N                              | 08727E                              | 48.0         | 105.7        | GGG               |                     |                      | 146                     | 57                     |
| 2405-05134        | 00000/0000                                     | 2-20021/1009 | 03/02/76         | 20             | 5640            | 3845N                              | 07044E                              | 34.4         | 138.0        | GGG               |                     |                      | 164                     | 33                     |
| 2405-06583        | 00000/0000                                     | 2-20021/1010 | 03/02/76         | 10             | 5641            | 3303N                              | 04307E                              | 37.7         | 133.7        | GGG               |                     |                      | 182                     | 37                     |
| 2405-08365        | 00000/0000                                     | 2-20021/1011 | 03/02/76         | 90             | 5642            | 5005N                              | 02331E                              | 27.1         | 145.9        | GGG               |                     |                      | 200                     | 25                     |
| 2405-08442        | 00000/0000                                     | 2-20021/1012 | 03/02/76         | 30             | 5642            | 2427N                              | 01453E                              | 42.1         | 126.4        | GGG               |                     |                      | 200                     | 43                     |
| 2405-08444        | 00000/0000                                     | 2-20021/1013 | 03/02/76         | 50             | 5642            | 2301N                              | 01430E                              | 42.7         | 125.1        | GGG               |                     |                      | 200                     | 44                     |
| 2405-08451        | 00000/0000                                     | 2-20021/1014 | 03/02/76         | 10             | 5642            | 2134N                              | 01408E                              | 43.3         | 123.8        | GGG               |                     |                      | 200                     | 45                     |
| 2405-08453        | 00000/0000                                     | 2-20021/1015 | 03/02/76         | 10             | 5642            | 2009N                              | 01346E                              | 43.9         | 122.4        | GGG               |                     |                      | 200                     | 46                     |
| 2405-08460        | 00000/0000                                     | 2-20021/1016 | 03/02/76         | 0              | 5642            | 1843N                              | 01325E                              | 44.5         | 121.0        | GGG               |                     |                      | 200                     | 47                     |
| 2405-08462        | 00000/0000                                     | 2-20021/1017 | 03/02/76         | 0              | 5642            | 1716N                              | 01304E                              | 45.0         | 119.6        | GGG               |                     |                      | 200                     | 48                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 23, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SUNBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|--------------------------|------------------------|
| 2405-C8465        | 00000/0000                   | 2-20021/1018                | 03/02/76         | 0              | 5642             | 1550N                        | 01243E        | 45.5         | 118.1        | FGGG                               |                     |                      | 200                      | 49                     |
| 2405-08474        | 00000/0000                   | 2-20021/1057                | 03/02/76         | 10             | 5642             | 1257N                        | 01201E        | 46.3         | 115.1        | GGFG                               |                     |                      | 200                      | 51                     |
| 2405-08480        | 00000/0000                   | 2-20021/1058                | 03/02/76         | 10             | 5642             | 1131N                        | 01140E        | 46.7         | 113.6        | GGFG                               |                     |                      | 200                      | 52                     |
| 2405-08483        | 00000/0000                   | 2-20021/1059                | 03/02/76         | 10             | 5642             | 1004N                        | 01120E        | 47.1         | 112.0        | GGGF                               |                     |                      | 200                      | 53                     |
| 2405-08485        | 00000/0000                   | 2-20021/1060                | 03/02/76         | 20             | 5642             | 0838N                        | 01059E        | 47.4         | 110.4        | GGGG                               |                     |                      | 200                      | 54                     |
| 2405-08492        | 00000/0000                   | 2-20021/1061                | 03/02/76         | 40             | 5642             | 0711N                        | 01038E        | 47.6         | 108.8        | GGGG                               |                     |                      | 200                      | 55                     |
| 2405-10230        | 00000/0000                   | 2-20021/1062                | 03/02/76         | 60             | 5643             | 4013N                        | 00612W        | 33.6         | 139.0        | GGGG                               |                     |                      | 218                      | 32                     |
| 2405-12375        | 00000/0000                   | 2-20021/1063                | 03/02/76         | 40             | 5644             | 6746S                        | 07038W        | 16.0         | 68.3         | GGFF                               |                     |                      | 236                      | 108                    |
| 2405-15251        | 2-20027/0551                 | 00000/0000                  | 03/02/76         | 30             | 5646             | 6521N                        | 06924W        | 16.0         | 158.3        | GGG                                |                     |                      | 21                       | 14                     |
| 2405-15254        | 2-20027/0552                 | 00000/0000                  | 03/02/76         | 10             | 5646             | 6400N                        | 07044W        | 17.1         | 156.9        | GGG                                |                     |                      | 21                       | 15                     |
| 2405-15260        | 2-20027/0553                 | 00000/0000                  | 03/02/76         | 20             | 5646             | 6239N                        | 07157W        | 18.1         | 155.6        | GGG                                |                     |                      | 21                       | 16                     |
| 2405-15263        | 2-20027/0554                 | 00000/0000                  | 03/02/76         | 30             | 5646             | 6116N                        | 07303W        | 19.1         | 154.4        | GGG                                |                     |                      | 21                       | 17                     |
| 2405-15265        | 2-20027/0555                 | 00000/0000                  | 03/02/76         | 30             | 5646             | 5954N                        | 07405W        | 20.2         | 153.2        | GGG                                |                     |                      | 21                       | 18                     |
| 2405-15274        | 2-20027/0556                 | 00000/0000                  | 03/02/76         | 10             | 5646             | 5709N                        | 07555W        | 22.2         | 151.0        | GGG                                |                     |                      | 21                       | 18                     |
| 2405-15281        | 2-20027/0557                 | 00000/0000                  | 03/02/76         | 0              | 5646             | 5546N                        | 07645W        | 23.2         | 149.9        | GGG                                |                     |                      | 21                       | 20                     |
| 2405-15283        | 2-20027/0558                 | 00000/0000                  | 03/02/76         | 0              | 5646             | 5423N                        | 07731W        | 24.2         | 148.9        | GGG                                |                     |                      | 21                       | 22                     |
| 2405-15290        | 2-20027/0559                 | 00000/0000                  | 03/02/76         | 0              | 5646             | 5259N                        | 07816W        | 25.2         | 147.9        | GGG                                |                     |                      | 21                       | 23                     |
| 2405-15292        | 2-20027/0560                 | 00000/0000                  | 03/02/76         | 0              | 5646             | 5135N                        | 07859W        | 26.2         | 146.9        | GGG                                |                     |                      | 21                       | 24                     |
| 2405-15295        | 00000/0000                   | 2-20021/0589                | 03/02/76         | 0              | 5646             | 5010N                        | 07939W        | 27.1         | 145.9        | GGG                                | GFGG                |                      | 21                       | 25                     |
| 2405-15381        | 00000/0000                   | 2-20021/1064                | 03/02/76         | 70             | 5646             | 2127N                        | 08905W        | 43.4         | 123.7        | FGG                                |                     |                      | 21                       | 45                     |
| 2405-15384        | 00000/0000                   | 2-20021/1065                | 03/02/76         | 90             | 5646             | 2010N                        | 08927W        | 44.0         | 122.3        | GGGG                               |                     |                      | 21                       | 46                     |
| 2405-15390        | 00000/0000                   | 2-20021/1066                | 03/02/76         | 70             | 5646             | 1844N                        | 08949W        | 44.5         | 120.9        | GFGG                               |                     |                      | 21                       | 47                     |
| 2405-15393        | 00000/0000                   | 2-20021/1067                | 03/02/76         | 60             | 5646             | 1717N                        | 09010W        | 45.0         | 119.5        | GGGG                               |                     |                      | 21                       | 48                     |
| 2405-15395        | 00000/0000                   | 2-20021/1068                | 03/02/76         | 50             | 5646             | 1551N                        | 09031W        | 45.5         | 118.0        | GG G                               |                     |                      | 21                       | 49                     |
| 2405-15402        | 00000/0000                   | 2-20021/1069                | 03/02/76         | 20             | 5646             | 1424N                        | 09051W        | 46.0         | 116.5        | GGGG                               |                     |                      | 21                       | 50                     |
| 2405-15404        | 00000/0000                   | 2-20021/1070                | 03/02/76         | 20             | 5646             | 1248N                        | 09112W        | 46.4         | 115.0        | FFFG                               |                     |                      | 21                       | 51                     |
| 2405-17104        | 2-20027/0534                 | 00000/0000                  | 03/02/76         | 10             | 5647             | 5832N                        | 10053W        | 21.2         | 152.0        | GGG                                |                     |                      | 39                       | 19                     |
| 2405-17110        | 2-20027/0535                 | 00000/0000                  | 03/02/76         | 10             | 5647             | 5710N                        | 10147W        | 22.2         | 151.0        | GGG                                |                     |                      | 39                       | 20                     |
| 2405-17113        | 2-20027/0536                 | 00000/0000                  | 03/02/76         | 50             | 5647             | 5546N                        | 10237W        | 23.2         | 149.9        | GGG                                |                     |                      | 39                       | 21                     |
| 2405-17115        | 2-20027/0537                 | 00000/0000                  | 03/02/76         | 80             | 5647             | 5422N                        | 10324W        | 24.2         | 148.9        | GGG                                |                     |                      | 39                       | 22                     |
| 2405-17122        | 2-20027/0538                 | 00000/0000                  | 03/02/76         | 90             | 5647             | 5258N                        | 10409W        | 25.2         | 147.9        | GGG                                |                     |                      | 39                       | 23                     |
| 2405-17124        | 2-20027/0539                 | 00000/0000                  | 03/02/76         | 100            | 5647             | 5134N                        | 10451W        | 26.2         | 146.9        | GGG                                |                     |                      | 39                       | 24                     |
| 2405-18501        | 2-20027/0541                 | 00000/0000                  | 03/02/76         | 10             | 5648             | 7030N                        | 11416W        | 11.9         | 165.2        | GGG                                |                     |                      | 57                       | 10                     |
| 2405-18503        | 2-20027/0542                 | 00000/0000                  | 03/02/76         | 10             | 5648             | 6913N                        | 11616W        | 13.0         | 163.2        | GGG                                |                     |                      | 57                       | 11                     |
| 2405-18512        | 2-20027/0543                 | 00000/0000                  | 03/02/76         | 0              | 5648             | 6635N                        | 11940W        | 15.1         | 159.7        | GGG                                |                     |                      | 57                       | 13                     |
| 2405-18515        | 2-20027/0544                 | 00000/0000                  | 03/02/76         | 0              | 5648             | 6515N                        | 12107W        | 16.2         | 158.2        | GGG                                |                     |                      | 57                       | 14                     |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI NR./<br>POSITION IN RELI<br>RBV | RELI NR.<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA<br>MODE | MSS<br>MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|-----------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|----------------------------|-----------------------------|-------------------------|------------------------|
| 2405-18521        | 2-20027/0545                                   | 00000/0000      | 03/02/76         | 0              | 5648            | 6354N                              | 12228W                              | 17.2         | 156.8        | GGG               |                            |                             | 57                      | 15                     |
| 2405-18533        | 2-20027/0546                                   | 00000/0000      | 03/02/76         | 0              | 5648            | 5947N                              | 12551W                              | 20.3         | 153.1        | GGG               |                            |                             | 57                      | 18                     |
| 2405-18535        | 2-20027/0547                                   | 00000/0000      | 03/02/76         | 10             | 5648            | 5824N                              | 12648W                              | 21.3         | 151.9        | GGG               |                            |                             | 57                      | 19                     |
| 2405-18542        | 2-20027/0548                                   | 00000/0000      | 03/02/76         | 0              | 5648            | 5702N                              | 12741W                              | 22.3         | 150.9        | GGG               |                            |                             | 57                      | 20                     |
| 2405-18553        | 2-20027/0549                                   | 00000/0000      | 03/02/76         | 10             | 5648            | 5252N                              | 13002W                              | 25.3         | 147.8        | GGG               |                            |                             | 57                      | 23                     |
| 2405-18560        | 2-20027/0550                                   | 00000/0000      | 03/02/76         | 70             | 5648            | 5128N                              | 13044W                              | 26.3         | 146.8        | GGG               |                            |                             | 57                      | 24                     |
| 2405-21050        | 00000/0000                                     | 2-20021/1071    | 03/02/76         | 90             | 5649            | 3721S                              | 17840E                              | 36.9         | 67.4         | GGGG              |                            |                             | 75                      | 86                     |
| 2405-21053        | 00000/0000                                     | 2-20021/1072    | 03/02/76         | 90             | 5649            | 3846S                              | 17811E                              | 36.1         | 66.7         | GGGF              |                            |                             | 75                      | 87                     |
| 2405-22164        | 00000/0000                                     | 2-20021/1080    | 03/02/76         | 10             | 5650            | 7031N                              | 16548W                              | 12.0         | 165.3        | GGGG              |                            |                             | 93                      | 10                     |
| 2406-01531        | 00000/0000                                     | 2-20021/1073    | 03/03/76         | 0              | 5652            | 3721N                              | 12029E                              | 35.5         | 136.8        | GGGG              |                            |                             | 129                     | 34                     |
| 2406-01534        | 00000/0000                                     | 2-20021/1074    | 03/03/76         | 10             | 5652            | 3546N                              | 12002E                              | 36.3         | 135.7        | FFFF              |                            |                             | 129                     | 35                     |
| 2406-01540        | 00000/0000                                     | 2-20021/1075    | 03/03/76         | 0              | 5652            | 3431N                              | 11935E                              | 37.2         | 134.6        | GGGG              |                            |                             | 129                     | 36                     |
| 2406-01563        | 00000/0000                                     | 2-20021/0990    | 03/03/76         | 10             | 5652            | 2546N                              | 11706E                              | 41.6         | 127.5        | FFGG              |                            |                             | 129                     | 42                     |
| 2406-01570        | 00000/0000                                     | 2-20021/0991    | 03/03/76         | 10             | 5652            | 2430N                              | 11644E                              | 42.3         | 126.2        | GGGG              |                            |                             | 129                     | 43                     |
| 2406-01572        | 00000/0000                                     | 2-20021/0992    | 03/03/76         | 80             | 5652            | 2303N                              | 11622E                              | 42.9         | 124.9        | GGGG              |                            |                             | 129                     | 44                     |
| 2406-03363        | 00000/0000                                     | 2-20021/0993    | 03/03/76         | 10             | 5653            | 3721N                              | 09438E                              | 35.5         | 136.8        | GGGG              |                            |                             | 147                     | 34                     |
| 2406-03395        | 00000/0000                                     | 2-20021/0994    | 03/03/76         | 10             | 5653            | 2544N                              | 09117E                              | 41.6         | 127.5        | GGGG              |                            |                             | 147                     | 42                     |
| 2406-03401        | 00000/0000                                     | 2-20021/0995    | 03/03/76         | 20             | 5653            | 2429N                              | 09055E                              | 42.3         | 126.2        | GGGG              |                            |                             | 147                     | 43                     |
| 2406-03404        | 00000/0000                                     | 2-20021/0996    | 03/03/76         | 10             | 5653            | 2303N                              | 09032E                              | 42.9         | 124.9        | GGGG              |                            |                             | 147                     | 44                     |
| 2406-03410        | 00000/0000                                     | 2-20021/0997    | 03/03/76         | 10             | 5653            | 2136N                              | 09010E                              | 43.5         | 123.5        | GGGG              |                            |                             | 147                     | 45                     |
| 2406-03413        | 00000/0000                                     | 2-20021/0998    | 03/03/76         | 10             | 5653            | 2010N                              | 08948E                              | 44.1         | 122.1        | GGGG              |                            |                             | 147                     | 46                     |
| 2406-03415        | 00000/0000                                     | 2-20021/0999    | 03/03/76         | 10             | 5653            | 1844N                              | 08926E                              | 44.7         | 120.7        | GGGG              |                            |                             | 147                     | 47                     |
| 2406-03422        | 00000/0000                                     | 2-20021/1000    | 03/03/76         | 10             | 5653            | 1717N                              | 08905E                              | 45.2         | 119.3        | FFGG              |                            |                             | 147                     | 48                     |
| 2406-03424        | 00000/0000                                     | 2-20021/1001    | 03/03/76         | 10             | 5653            | 1570N                              | 08844E                              | 45.6         | 117.8        | GGGG              |                            |                             | 147                     | 49                     |
| 2406-03431        | 00000/0000                                     | 2-20021/1002    | 03/03/76         | 10             | 5653            | 1425N                              | 08823E                              | 46.1         | 116.3        | GGGG              |                            |                             | 147                     | 50                     |
| 2406-03433        | 00000/0000                                     | 2-20021/1003    | 03/03/76         | 10             | 5653            | 1324N                              | 08741E                              | 46.9         | 113.2        | GGGG              |                            |                             | 147                     | 51                     |
| 2406-03440        | 00000/0000                                     | 2-20021/1004    | 03/03/76         | 10             | 5653            | 1206N                              | 08721E                              | 47.2         | 111.7        | GGGG              |                            |                             | 147                     | 52                     |
| 2406-03442        | 00000/0000                                     | 2-20021/1005    | 03/03/76         | 10             | 5653            | 1071N                              | 08641E                              | 47.8         | 108.5        | FFFF              |                            |                             | 147                     | 55                     |
| 2406-03451        | 00000/0000                                     | 2-20021/1006    | 03/03/76         | 10             | 5653            | 0547N                              | 08621E                              | 48.0         | 106.8        | GGGG              |                            |                             | 147                     | 56                     |
| 2406-03454        | 00000/0000                                     | 2-20021/1007    | 03/03/76         | 10             | 5653            | 0420N                              | 08601E                              | 48.2         | 105.2        | GGGG              |                            |                             | 147                     | 57                     |
| 2406-03460        | 00000/0000                                     | 2-20021/1008    | 03/03/76         | 100            | 5654            | 3847N                              | 06919E                              | 34.7         | 137.8        | GGGG              |                            |                             | 165                     | 33                     |
| 2406-05152        | 00000/0000                                     | 2-20021/1019    | 03/03/76         | 80             | 5654            | 3722N                              | 06850E                              | 35.6         | 136.7        | GGGG              |                            |                             | 165                     | 34                     |
| 2406-05194        | 00000/0000                                     | 2-20021/1024    | 03/03/76         | 80             | 5659            | 5544N                              | 05222W                              | 23.6         | 149.8        | GGGG              |                            |                             | 4                       | 21                     |
| 2406-13504        | 00000/0000                                     | 2-20027/0618    | 03/03/76         | 10             | 5660            | 6644N                              | 06917W                              | 15.3         | 159.9        | GGG               |                            |                             | 22                      | 13                     |
| 2406-15303        | 00000/0000                                     | 2-20027/0619    | 03/03/76         | 40             | 5660            | 6523N                              | 07046W                              | 16.4         | 158.4        | GGG               |                            |                             | 22                      | 14                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2406-15312        | 2-20027/0620                 | 00000/0000                  | 03/03/76         | 10             | 5660            | 6472N                        | 07207W        | 17.4         | 156.9        | GGG                                |                     |                      | 22                      | 15                     |
| 2406-15315        | 2-20027/0621                 | 00000/0000                  | 03/03/76         | 30             | 5660            | 6240N                        | 07320W        | 18.5         | 155.6        | GGF                                |                     |                      | 22                      | 16                     |
| 2406-15321        | 2-20027/0622                 | 00000/0000                  | 03/03/76         | 10             | 5660            | 6118N                        | 07428W        | 19.5         | 154.3        | GGG                                |                     |                      | 22                      | 17                     |
| 2406-15324        | 2-20027/0623                 | 00000/0000                  | 03/03/76         | 10             | 5660            | 5956N                        | 07530W        | 20.5         | 153.2        | GG                                 |                     |                      | 22                      | 18                     |
| 2406-15333        | 2-20027/0624                 | 00000/0000                  | 03/03/76         | 10             | 5660            | 5711N                        | 07721W        | 22.6         | 150.9        | GGG                                |                     |                      | 22                      | 20                     |
| 2406-15335        | 2-20027/0625                 | 00000/0000                  | 03/03/76         | 20             | 5660            | 5548N                        | 07811W        | 23.6         | 149.9        | GGG                                |                     |                      | 22                      | 21                     |
| 2406-15342        | 2-20027/0626                 | 00000/0000                  | 03/03/76         | 60             | 5660            | 5424N                        | 07858W        | 24.6         | 148.8        | GGG                                |                     |                      | 22                      | 22                     |
| 2406-15344        | 2-20027/0627                 | 00000/0000                  | 03/03/76         | 90             | 5660            | 5300N                        | 07943W        | 25.5         | 147.8        | GGG                                |                     |                      | 22                      | 23                     |
| 2406-15351        | 2-20027/0628                 | 00000/0000                  | 03/03/76         | 90             | 5660            | 5176N                        | 08020W        | 26.5         | 146.8        | G                                  |                     |                      | 22                      | 24                     |
| 2406-15353        | 00000/0000                   | 2-20021/1049                | 03/03/76         | 100            | 5660            | 5012N                        | 08107W        | 27.5         | 145.8        | GGG                                | GGGG                |                      | 22                      | 25                     |
| 2406-15435        | 00000/0000                   | 2-20021/1050                | 03/03/76         | 40             | 5660            | 2139N                        | 09031W        | 43.7         | 123.3        | FFFF                               |                     |                      | 22                      | 45                     |
| 2406-15442        | 00000/0000                   | 2-20021/1051                | 03/03/76         | 40             | 5660            | 2013N                        | 09053W        | 44.2         | 121.9        | FFGF                               |                     |                      | 22                      | 46                     |
| 2406-15444        | 00000/0000                   | 2-20021/1052                | 03/03/76         | 40             | 5660            | 1847N                        | 09115W        | 44.8         | 120.5        | FFGG                               |                     |                      | 22                      | 47                     |
| 2406-15451        | 00000/0000                   | 2-20021/1053                | 03/03/76         | 40             | 5660            | 1720N                        | 09136W        | 45.3         | 119.1        | GGGG                               |                     |                      | 22                      | 48                     |
| 2406-15453        | 00000/0000                   | 2-20021/1054                | 03/03/76         | 40             | 5660            | 1554N                        | 09157W        | 45.8         | 117.6        | GGGG                               |                     |                      | 22                      | 49                     |
| 2406-15460        | 00000/0000                   | 2-20021/1055                | 03/03/76         | 40             | 5660            | 1427N                        | 09218W        | 46.2         | 116.1        | GGGG                               |                     |                      | 22                      | 50                     |
| 2406-15462        | 00000/0000                   | 2-20021/1056                | 03/03/76         | 30             | 5660            | 1301N                        | 09238W        | 46.6         | 114.6        | GGGG                               |                     |                      | 22                      | 51                     |
| 2406-17144        | 2-20027/0565                 | 00000/0000                  | 03/03/76         | 80             | 5661            | 6403N                        | 09754W        | 17.5         | 156.9        | G                                  |                     |                      | 40                      | 15                     |
| 2406-17150        | 2-20027/0566                 | 00000/0000                  | 03/03/76         | 90             | 5661            | 6242N                        | 09908W        | 18.5         | 155.6        | GFG                                |                     |                      | 40                      | 16                     |
| 2406-17153        | 2-20027/0567                 | 00000/0000                  | 03/03/76         | 50             | 5661            | 6120N                        | 10017W        | 19.5         | 154.3        | FF                                 |                     |                      | 40                      | 17                     |
| 2406-17162        | 2-20027/0568                 | 00000/0000                  | 03/03/76         | 30             | 5661            | 5845N                        | 10217W        | 21.6         | 152.0        | GG                                 |                     |                      | 40                      | 19                     |
| 2406-17164        | 2-20027/0569                 | 00000/0000                  | 03/03/76         | 10             | 5661            | 5712N                        | 10311W        | 22.6         | 150.9        | GG                                 |                     |                      | 40                      | 20                     |
| 2406-17171        | 2-20027/0570                 | 00000/0000                  | 03/03/76         | 10             | 5661            | 5549N                        | 10402W        | 23.6         | 149.8        | GGG                                |                     |                      | 40                      | 21                     |
| 2406-17173        | 2-20027/0571                 | 00000/0000                  | 03/03/76         | 10             | 5661            | 5425N                        | 10449W        | 24.6         | 148.8        | GGG                                |                     |                      | 40                      | 22                     |
| 2406-17180        | 2-20027/0572                 | 00000/0000                  | 03/03/76         | 10             | 5661            | 5301N                        | 10534W        | 25.6         | 147.8        | GGG                                |                     |                      | 40                      | 23                     |
| 2406-17182        | 2-20027/0540                 | 00000/0000                  | 03/03/76         | 60             | 5661            | 5147N                        | 10616W        | 26.6         | 146.8        | GGG                                |                     |                      | 40                      | 24                     |
| 2406-17185        | 00000/0000                   | 2-20021/1076                | 03/03/76         | 10             | 5661            | 5012N                        | 10657W        | 27.5         | 145.8        | GGG                                | GGGG                |                      | 40                      | 25                     |
| 2406-18570        | 2-20027/0573                 | 00000/0000                  | 03/03/76         | 20             | 5662            | 6708N                        | 12024W        | 15.1         | 160.4        | GGG                                |                     |                      | 58                      | 13                     |
| 2406-18572        | 2-20027/0574                 | 00000/0000                  | 03/03/76         | 0              | 5662            | 6548N                        | 12153W        | 16.1         | 158.8        | GGG                                |                     |                      | 58                      | 14                     |
| 2406-18575        | 2-20027/0575                 | 00000/0000                  | 03/03/76         | 0              | 5662            | 6428N                        | 12318W        | 17.2         | 157.4        | GGG                                |                     |                      | 58                      | 15                     |
| 2406-18581        | 2-20027/0576                 | 00000/0000                  | 03/03/76         | 10             | 5662            | 6307N                        | 12434W        | 18.2         | 156.0        | GGG                                |                     |                      | 58                      | 16                     |
| 2406-18584        | 2-20027/0577                 | 00000/0000                  | 03/03/76         | 0              | 5662            | 6145N                        | 12544W        | 19.2         | 154.7        | GGG                                |                     |                      | 58                      | 17                     |
| 2406-18590        | 2-20027/0578                 | 00000/0000                  | 03/03/76         | 10             | 5662            | 6023N                        | 12649W        | 20.3         | 153.5        | GGG                                |                     |                      | 58                      | 18                     |
| 2406-18593        | 2-20027/0579                 | 00000/0000                  | 03/03/76         | 50             | 5662            | 5904N                        | 12748W        | 21.3         | 152.4        | GGG                                |                     |                      | 58                      | 19                     |
| 2406-19013        | 2-20027/0580                 | 00000/0000                  | 03/03/76         | 90             | 5662            | 5243N                        | 13152W        | 26.3         | 147.1        | GGG                                |                     |                      | 58                      | 24                     |
| 2406-19020        | 2-20027/0581                 | 00000/0000                  | 03/03/76         | 90             | 5662            | 5038N                        | 13233W        | 27.2         | 146.1        | FFG                                |                     |                      | 58                      | 25                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | REL. NR./<br>IN RBV<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2406-19022        | 2-20027/0582                 | 00000/0000                 | 03/03/76         | 97             | 5662            | 4914N                                   | 13313W       | 28.2 145.1   | GGG                                |                     |                      | 58                      | 26                     |
| 2406-20375        | 00000/0000                   | 00000/0000                 | 03/03/76         | 40             | 5663            | 7414N                                   | 13341W       | 9.1 172.9    | GGG                                |                     |                      | 76                      | 7                      |
| 2406-20382        | 00000/0000                   | 2-20021/1077               | 03/03/76         | 20             | 5663            | 7302N                                   | 13638W       | 10.2 170.0   | GGG                                | FFFF                |                      | 76                      | 8                      |
| 2406-20384        | 00000/0000                   | 00000/0000                 | 03/03/76         | 30             | 5663            | 7147N                                   | 13912W       | 11.3 167.5   | GGG                                |                     |                      | 76                      | 9                      |
| 2406-22222        | 00000/0000                   | 2-20021/1078               | 03/03/76         | 100            | 5664            | 7033N                                   | 16714W       | 12.3 165.3   | GGFF                               |                     |                      | 94                      | 10                     |
| 2406-22225        | 00000/0000                   | 2-20021/1079               | 03/03/76         | 90             | 5664            | 6915N                                   | 16914W       | 13.4 163.3   | GGGF                               |                     |                      | 94                      | 11                     |
| 2407-01585        | 00000/0000                   | 2-20021/1025               | 03/04/76         | 0              | 5666            | 3700N                                   | 11901E       | 35.9 136.5   | FFFF                               |                     |                      | 130                     | 34                     |
| 2407-01592        | 00000/0000                   | 2-20021/1026               | 03/04/76         | 0              | 5666            | 3555N                                   | 11834E       | 36.7 135.5   | FGGG                               |                     |                      | 130                     | 35                     |
| 2407-01594        | 00000/0000                   | 2-20021/1027               | 03/04/76         | 0              | 5666            | 3430N                                   | 11807E       | 37.5 134.3   | FGGG                               |                     |                      | 130                     | 36                     |
| 2407-02015        | 00000/0000                   | 2-20021/1028               | 03/04/76         | 90             | 5666            | 2700N                                   | 11603E       | 41.3 128.4   | FGGF                               |                     |                      | 130                     | 41                     |
| 2407-02021        | 00000/0000                   | 2-20021/1029               | 03/04/76         | 90             | 5666            | 2554N                                   | 11540E       | 41.9 127.1   | FGGG                               |                     |                      | 130                     | 42                     |
| 2407-02024        | 00000/0000                   | 2-20021/1030               | 03/04/76         | 90             | 5666            | 2429N                                   | 11517E       | 42.6 125.8   | FFFF                               |                     |                      | 130                     | 43                     |
| 2407-02030        | 00000/0000                   | 2-20021/1031               | 03/04/76         | 90             | 5666            | 2302N                                   | 11455E       | 43.2 124.5   | FGGG                               |                     |                      | 130                     | 44                     |
| 2407-02112        | 00000/0000                   | 2-20021/1032               | 03/04/76         | 100            | 5666            | 0548S                                   | 10804E       | 48.3 93.2    | FGGG                               |                     |                      | 130                     | 64                     |
| 2407-02115        | 00000/0000                   | 2-20021/1033               | 03/04/76         | 80             | 5666            | 0714S                                   | 10743E       | 48.1 91.6    | FGGG                               |                     |                      | 130                     | 65                     |
| 2407-03453        | 00000/0000                   | 2-20021/1081               | 03/04/76         | 10             | 5667            | 2557N                                   | 08950E       | 41.9 127.2   | FGGG                               |                     |                      | 148                     | 42                     |
| 2407-03455        | 00000/0000                   | 2-20021/1082               | 03/04/76         | 10             | 5667            | 2431N                                   | 08927E       | 42.6 125.9   | GGGG                               |                     |                      | 148                     | 43                     |
| 2407-03500        | 00000/0000                   | 2-20021/1142               | 03/04/76         | 10             | 5667            | 1007N                                   | 08556E       | 47.4 111.2   | GGGG                               |                     |                      | 148                     | 50                     |
| 2407-03503        | 00000/0000                   | 2-20021/1143               | 03/04/76         | 10             | 5667            | 0840N                                   | 08536E       | 47.7 109.6   | GGGG                               |                     |                      | 148                     | 54                     |
| 2407-03505        | 00000/0000                   | 2-20021/1144               | 03/04/76         | 10             | 5667            | 0714N                                   | 08516E       | 47.9 108.0   | GGGG                               |                     |                      | 148                     | 55                     |
| 2407-07061        | 00000/0000                   | 2-20021/1035               | 03/04/76         | 70             | 5669            | 4534N                                   | 04437E       | 30.6 142.7   | GGGG                               |                     |                      | 184                     | 28                     |
| 2407-08434        | 00000/0000                   | 2-20021/1036               | 03/04/76         | 10             | 5670            | 6517N                                   | 03055E       | 16.7 158.3   | GGGG                               |                     |                      | 202                     | 14                     |
| 2407-08440        | 00000/0000                   | 2-20021/1037               | 03/04/76         | 0              | 5670            | 6356N                                   | 02936E       | 17.8 156.8   | GGGG                               |                     |                      | 202                     | 15                     |
| 2407-08443        | 00000/0000                   | 2-20021/1038               | 03/04/76         | 0              | 5670            | 6234N                                   | 02824E       | 18.8 155.5   | GGGG                               |                     |                      | 202                     | 16                     |
| 2407-08445        | 00000/0000                   | 2-20021/1039               | 03/04/76         | 0              | 5670            | 6112N                                   | 02717E       | 19.8 154.3   | GGGG                               |                     |                      | 202                     | 17                     |
| 2407-08452        | 00000/0000                   | 2-20021/1040               | 03/04/76         | 0              | 5670            | 5950N                                   | 02615E       | 20.9 153.1   | GGGF                               |                     |                      | 202                     | 18                     |
| 2407-08454        | 00000/0000                   | 2-20021/1041               | 03/04/76         | 0              | 5670            | 5827N                                   | 02517E       | 21.9 151.9   | GGGG                               |                     |                      | 202                     | 19                     |
| 2407-08461        | 00000/0000                   | 2-20021/1042               | 03/04/76         | 0              | 5670            | 5704N                                   | 02424E       | 22.9 150.8   | FFGF                               |                     |                      | 202                     | 20                     |
| 2407-08463        | 00000/0000                   | 2-20021/1043               | 03/04/76         | 10             | 5670            | 5541N                                   | 02333E       | 23.9 149.8   | GGGG                               |                     |                      | 202                     | 21                     |
| 2407-08581        | 00000/0000                   | 2-20021/1044               | 03/04/76         | 0              | 5670            | 1552N                                   | 00950E       | 45.9 117.3   | GGGG                               |                     |                      | 202                     | 49                     |
| 2407-08584        | 00000/0000                   | 2-20021/1045               | 03/04/76         | 10             | 5670            | 1426N                                   | 00930E       | 46.4 115.8   | GGGG                               |                     |                      | 202                     | 50                     |
| 2407-08590        | 00000/0000                   | 2-20021/1046               | 03/04/76         | 0              | 5670            | 1259N                                   | 00909E       | 46.8 114.2   | GGGG                               |                     |                      | 202                     | 51                     |
| 2407-08593        | 00000/0000                   | 2-20021/1047               | 03/04/76         | 10             | 5670            | 1134N                                   | 00849E       | 47.1 112.7   | FFFF                               |                     |                      | 202                     | 52                     |
| 2407-08595        | 00000/0000                   | 2-20021/1048               | 03/04/76         | 10             | 5670            | 1006N                                   | 00829E       | 47.4 111.1   | GGGG                               |                     |                      | 202                     | 53                     |
| 2407-13562        | 00000/0000                   | 2-20021/1034               | 03/04/76         | 70             | 5673            | 5540N                                   | 05358W       | 24.0 149.7   | GGGG                               |                     |                      | 5                       | 21                     |
| 2407-15403        | 00000/0000                   | 2-20021/1093               | 03/04/76         | 10             | 5674            | 5252N                                   | 08122W       | 26.0 147.6   | GGG                                |                     |                      | 23                      | 23                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|-------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|--------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2407-15405        | 00000/0000                   | 2-20021/1094                | 03/04/76         | 10          | 5674                   | 5128N                              | 08204W                              | 27.0         | 146.6        | GGGG         |             |                     |                      | 23                      | 24                     |
| 2407-15412        | 00000/0000                   | 2-20021/1095                | 03/04/76         | 10          | 5674                   | 5004N                              | 08244W                              | 27.9         | 145.6        | GGGG         |             |                     |                      | 23                      | 25                     |
| 2407-17232        | 00000/0000                   | 2-20021/1090                | 03/04/76         | 10          | 5675                   | 5418N                              | 10412W                              | 25.0         | 148.7        | F            |             |                     |                      | 41                      | 22                     |
| 2407-17234        | 00000/0000                   | 2-20021/1091                | 03/04/76         | 10          | 5675                   | 5254N                              | 10457W                              | 26.0         | 147.6        | GGGG         |             |                     |                      | 41                      | 23                     |
| 2407-17241        | 00000/0000                   | 2-20021/1092                | 03/04/76         | 30          | 5675                   | 5130N                              | 10739W                              | 27.0         | 146.6        | GGGG         |             |                     |                      | 41                      | 24                     |
| 2407-20440        | 00000/0000                   | 2-20021/1021                | 03/04/76         | 10          | 5677                   | 7304N                              | 13745W                              | 10.5         | 170.2        | GGGG         |             |                     |                      | 77                      | 8                      |
| 2407-20442        | 00000/0000                   | 2-20021/1022                | 03/04/76         | 40          | 5677                   | 7150N                              | 14021W                              | 11.6         | 167.7        | GGGG         |             |                     |                      | 77                      | 9                      |
| 2407-21163        | 00000/0000                   | 2-20021/1083                | 03/04/76         | 90          | 5677                   | 3719S                              | 17551E                              | 36.4         | 66.6         | GGGG         |             |                     |                      | 77                      | 86                     |
| 2407-21165        | 00000/0000                   | 2-20021/1084                | 03/04/76         | 60          | 5677                   | 3845S                              | 17523E                              | 35.6         | 66.0         | GGGG         |             |                     |                      | 77                      | 87                     |
| 2407-21172        | 00000/0000                   | 2-20021/1085                | 03/04/76         | 70          | 5677                   | 4011S                              | 17454E                              | 34.8         | 65.4         | GGGG         |             |                     |                      | 77                      | 88                     |
| 2407-21174        | 00000/0000                   | 2-20021/1086                | 03/04/76         | 50          | 5677                   | 4137S                              | 17424E                              | 33.9         | 64.8         | GGGG         |             |                     |                      | 77                      | 89                     |
| 2407-21181        | 00000/0000                   | 2-20021/1087                | 03/04/76         | 50          | 5677                   | 4302S                              | 17353E                              | 33.0         | 64.4         | GGGG         |             |                     |                      | 77                      | 90                     |
| 2407-22283        | 00000/0000                   | 2-20021/1023                | 03/04/76         | 50          | 5678                   | 6915N                              | 17055W                              | 13.8         | 163.3        | GGGG         |             |                     |                      | 95                      | 11                     |
| 2408-03550        | 00000/0000                   | 2-20021/1096                | 03/05/76         | 10          | 5681                   | 1257N                              | 08509E                              | 46.9         | 113.8        | GGGG         |             |                     |                      | 149                     | 51                     |
| 2408-03552        | 00000/0000                   | 2-20021/1097                | 03/05/76         | 10          | 5681                   | 1131N                              | 08449E                              | 47.3         | 112.3        | GGGG         |             |                     |                      | 149                     | 52                     |
| 2408-03555        | 00000/0000                   | 2-20021/1098                | 03/05/76         | 20          | 5681                   | 1075N                              | 08429E                              | 47.6         | 110.7        | GGGG         |             |                     |                      | 149                     | 53                     |
| 2408-03561        | 00000/0000                   | 2-20021/1099                | 03/05/76         | 30          | 5681                   | 0839N                              | 08409E                              | 47.9         | 109.0        | GGGG         |             |                     |                      | 149                     | 54                     |
| 2408-03564        | 00000/0000                   | 2-20021/1100                | 03/05/76         | 30          | 5681                   | 0712N                              | 08349E                              | 48.1         | 107.4        | GGGG         |             |                     |                      | 149                     | 55                     |
| 2408-03570        | 00000/0000                   | 2-20021/1101                | 03/05/76         | 20          | 5681                   | 0545N                              | 08329E                              | 48.3         | 105.8        | GGGG         |             |                     |                      | 149                     | 56                     |
| 2408-03573        | 00000/0000                   | 2-20021/1102                | 03/05/76         | 30          | 5681                   | 0418N                              | 08309E                              | 48.4         | 104.1        | GGGG         |             |                     |                      | 149                     | 57                     |
| 2408-05302        | 00000/0000                   | 2-20021/1103                | 03/05/76         | 10          | 5682                   | 4009N                              | 06449E                              | 34.6         | 138.5        | GGGG         |             |                     |                      | 167                     | 32                     |
| 2408-05304        | 00000/0000                   | 2-20021/1104                | 03/05/76         | 0           | 5682                   | 3844N                              | 06420E                              | 35.4         | 137.4        | GGGG         |             |                     |                      | 167                     | 33                     |
| 2408-07092        | 00000/0000                   | 2-20021/1105                | 03/05/76         | 10          | 5683                   | 5416N                              | 04705E                              | 25.3         | 148.6        | GGGG         |             |                     |                      | 185                     | 22                     |
| 2408-07095        | 00000/0000                   | 2-20021/1106                | 03/05/76         | 70          | 5683                   | 5252N                              | 04621E                              | 26.2         | 147.6        | GGGG         |             |                     |                      | 185                     | 23                     |
| 2408-07101        | 00000/0000                   | 2-20021/1107                | 03/05/76         | 70          | 5683                   | 5128N                              | 04539E                              | 27.2         | 146.6        | GGGG         |             |                     |                      | 185                     | 24                     |
| 2408-07104        | 00000/0000                   | 2-20021/1108                | 03/05/76         | 80          | 5683                   | 5004N                              | 04459E                              | 28.2         | 145.6        | GGGG         |             |                     |                      | 185                     | 25                     |
| 2408-07110        | 00000/0000                   | 2-20021/1109                | 03/05/76         | 80          | 5683                   | 4840N                              | 04420E                              | 29.1         | 144.6        | GGGG         |             |                     |                      | 185                     | 26                     |
| 2408-07113        | 00000/0000                   | 2-20021/1110                | 03/05/76         | 40          | 5683                   | 4715N                              | 04343E                              | 30.1         | 143.6        | GGGG         |             |                     |                      | 185                     | 27                     |
| 2408-07115        | 00000/0000                   | 2-20021/1111                | 03/05/76         | 60          | 5683                   | 4500N                              | 04308E                              | 31.0         | 142.6        | GGGG         |             |                     |                      | 185                     | 28                     |
| 2408-07122        | 00000/0000                   | 2-20021/1112                | 03/05/76         | 50          | 5683                   | 4425N                              | 04235E                              | 31.9         | 141.5        | GGGG         |             |                     |                      | 185                     | 29                     |
| 2408-07124        | 00000/0000                   | 2-20021/1113                | 03/05/76         | 70          | 5683                   | 4301N                              | 04203E                              | 32.8         | 140.5        | GGGG         |             |                     |                      | 185                     | 30                     |
| 2408-08494        | 00000/0000                   | 2-20021/1145                | 03/05/76         | 10          | 5684                   | 6354N                              | 02402E                              | 18.2         | 156.8        | GGGG         |             |                     |                      | 203                     | 15                     |
| 2408-08501        | 00000/0000                   | 2-20021/1146                | 03/05/76         | 0           | 5684                   | 6232N                              | 02450E                              | 19.2         | 155.5        | GGGG         |             |                     |                      | 203                     | 16                     |
| 2408-08503        | 00000/0000                   | 2-20021/1147                | 03/05/76         | 0           | 5684                   | 6111N                              | 02543E                              | 20.2         | 154.2        | GGGG         |             |                     |                      | 203                     | 17                     |
| 2408-09012        | 00000/0000                   | 2-20021/1148                | 03/05/76         | 0           | 5684                   | 2426N                              | 01032E                              | 43.0         | 125.4        | GGGG         |             |                     |                      | 203                     | 43                     |
| 2408-09015        | 00000/0000                   | 2-20021/1149                | 03/05/76         | 0           | 5684                   | 2301N                              | 01010E                              | 43.6         | 124.0        | GGGG         |             |                     |                      | 203                     | 44                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, RAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2408-09021        | 00000/0000                                     | 2-20021/1150 | 03/05/76         | 0              | 5684            | 2134N                              | 00948E                              | 44.2         | 122.6        | FFGG                  |                     |                      | 203                     | 45                     |
| 2408-09024        | 00000/0000                                     | 2-20021/1151 | 03/05/76         | 0              | 5684            | 2008N                              | 00926E                              | 44.7         | 121.2        | FGGG                  |                     |                      | 203                     | 46                     |
| 2408-09030        | 00000/0000                                     | 2-20021/1152 | 03/05/76         | 0              | 5684            | 1842N                              | 00904E                              | 45.2         | 119.8        | FGGG                  |                     |                      | 203                     | 47                     |
| 2408-09033        | 00000/0000                                     | 2-20021/1153 | 03/05/76         | 0              | 5684            | 1716N                              | 00843E                              | 45.7         | 118.3        | FGGG                  |                     |                      | 203                     | 48                     |
| 2408-09035        | 00000/0000                                     | 2-20021/1154 | 03/05/76         | 0              | 5684            | 1549N                              | 00822E                              | 46.2         | 116.8        | FGGG                  |                     |                      | 203                     | 49                     |
| 2408-09042        | 00000/0000                                     | 2-20021/1155 | 03/05/76         | 0              | 5684            | 1422N                              | 00801E                              | 46.6         | 115.3        | GGGG                  |                     |                      | 203                     | 50                     |
| 2408-09044        | 00000/0000                                     | 2-20021/1156 | 03/05/76         | 0              | 5684            | 1256N                              | 00741E                              | 47.0         | 113.7        | GGGG                  |                     |                      | 203                     | 51                     |
| 2408-12453        | 00000/0000                                     | 2-20021/1157 | 03/05/76         | 80             | 5686            | 3546S                              | 05601W                              | 37.1         | 67.0         | GGGF                  |                     |                      | 239                     | 85                     |
| 2408-12455        | 00000/0000                                     | 2-20021/1158 | 03/05/76         | 80             | 5686            | 3722S                              | 05628W                              | 36.3         | 66.3         | FFFF                  |                     |                      | 239                     | 86                     |
| 2408-14014        | 00000/0000                                     | 2-20021/1185 | 03/05/76         | 80             | 5687            | 5704N                              | 05437W                              | 23.3         | 150.7        | GGGF                  |                     |                      | 6                       | 20                     |
| 2408-14020        | 00000/0000                                     | 2-20021/1186 | 03/05/76         | 70             | 5687            | 5543N                              | 05511W                              | 24.3         | 149.7        | GGGG                  |                     |                      | 6                       | 21                     |
| 2408-14023        | 00000/0000                                     | 2-20021/1187 | 03/05/76         | 20             | 5687            | 5420N                              | 05559W                              | 25.3         | 148.6        | GGGG                  |                     |                      | 6                       | 22                     |
| 2408-14082        | 00000/0000                                     | 2-20021/1188 | 03/05/76         | 30             | 5687            | 3429N                              | 06405W                              | 38.0         | 134.0        | GGGG                  |                     |                      | 6                       | 36                     |
| 2408-14084        | 00000/0000                                     | 2-20021/1189 | 03/05/76         | 30             | 5687            | 3302N                              | 06431W                              | 38.8         | 132.9        | GGGG                  |                     |                      | 6                       | 37                     |
| 2408-14091        | 00000/0000                                     | 2-20021/1190 | 03/05/76         | 10             | 5687            | 3134N                              | 06456W                              | 39.6         | 131.7        | GGGG                  |                     |                      | 6                       | 38                     |
| 2408-15470        | 00000/0000                                     | 2-20022/0026 | 03/05/76         | 100            | 5688            | 5008N                              | 08358W                              | 28.3         | 145.5        | GGGG                  |                     |                      | 24                      | 25                     |
| 2408-17295        | 00000/0000                                     | 2-20022/0027 | 03/05/76         | 100            | 5689            | 5132N                              | 10904W                              | 27.4         | 146.5        | GGG                   |                     |                      | 42                      | 24                     |
| 2408-20494        | 00000/0000                                     | 2-20021/1088 | 03/05/76         | 10             | 5691            | 7303N                              | 13914W                              | 11.0         | 170.2        | FGGG                  |                     |                      | 78                      | 8                      |
| 2408-20501        | 00000/0000                                     | 2-20021/1089 | 03/05/76         | 10             | 5691            | 7149N                              | 14150W                              | 12.0         | 167.6        | FGGF                  |                     |                      | 78                      | 9                      |
| 2409-02102        | 00000/0000                                     | 2-20021/1259 | 03/06/76         | 90             | 5694            | 3719N                              | 11609E                              | 36.6         | 136.1        | GGGF                  |                     |                      | 132                     | 34                     |
| 2409-02104        | 00000/0000                                     | 2-20021/1260 | 03/06/76         | 90             | 5694            | 3543N                              | 11542E                              | 37.4         | 135.0        | GGGF                  |                     |                      | 132                     | 35                     |
| 2409-02111        | 00000/0000                                     | 2-20021/1261 | 03/06/76         | 90             | 5694            | 3428N                              | 11515E                              | 38.2         | 133.9        | GGGG                  |                     |                      | 132                     | 36                     |
| 2409-02113        | 00000/0000                                     | 2-20021/1262 | 03/06/76         | 70             | 5694            | 3302N                              | 11449E                              | 39.0         | 132.7        | GFFF                  |                     |                      | 132                     | 37                     |
| 2409-02120        | 00000/0000                                     | 2-20021/1263 | 03/06/76         | 80             | 5694            | 3136N                              | 11424E                              | 39.7         | 131.5        | GGFG                  |                     |                      | 132                     | 38                     |
| 2409-02122        | 00000/0000                                     | 2-20021/1264 | 03/06/76         | 90             | 5694            | 3011N                              | 11359E                              | 40.5         | 130.3        | FGGG                  |                     |                      | 132                     | 39                     |
| 2409-02140        | 00000/0000                                     | 2-20021/1265 | 03/06/76         | 90             | 5694            | 2427N                              | 11226E                              | 43.2         | 125.1        | GGGG                  |                     |                      | 132                     | 43                     |
| 2409-02143        | 00000/0000                                     | 2-20021/1266 | 03/06/76         | 70             | 5694            | 2301N                              | 11204E                              | 43.8         | 123.8        | GGGG                  |                     |                      | 132                     | 44                     |
| 2409-02145        | 00000/0000                                     | 2-20021/1267 | 03/06/76         | 80             | 5694            | 2135N                              | 11142E                              | 44.4         | 122.4        | GFFF                  |                     |                      | 132                     | 45                     |
| 2409-03572        | 00000/0000                                     | 2-20021/1159 | 03/06/76         | 10             | 5695            | 2430N                              | 08636E                              | 43.2         | 125.2        | FGGG                  |                     |                      | 150                     | 43                     |
| 2409-03574        | 00000/0000                                     | 2-20021/1160 | 03/06/76         | 0              | 5695            | 2304N                              | 08614E                              | 43.8         | 123.8        | FGGG                  |                     |                      | 150                     | 44                     |
| 2409-03581        | 00000/0000                                     | 2-20021/1161 | 03/06/76         | 10             | 5695            | 2138N                              | 08551E                              | 44.4         | 122.4        | FGGG                  |                     |                      | 150                     | 45                     |
| 2409-03583        | 00000/0000                                     | 2-20021/1162 | 03/06/76         | 10             | 5695            | 2011N                              | 08530E                              | 44.9         | 121.0        | FGGG                  |                     |                      | 150                     | 46                     |
| 2409-03590        | 00000/0000                                     | 2-20021/1163 | 03/06/76         | 10             | 5695            | 1844N                              | 08509E                              | 45.4         | 119.5        | FGGG                  |                     |                      | 150                     | 47                     |
| 2409-03592        | 00000/0000                                     | 2-20021/1164 | 03/06/76         | 20             | 5695            | 1718N                              | 08447E                              | 45.9         | 118.0        | FFGG                  |                     |                      | 150                     | 48                     |
| 2409-03595        | 00000/0000                                     | 2-20021/1165 | 03/06/76         | 20             | 5695            | 1542N                              | 08426E                              | 46.4         | 116.5        | FFGG                  |                     |                      | 150                     | 49                     |
| 2409-04001        | 00000/0000                                     | 2-20021/1166 | 03/06/76         | 30             | 5695            | 1426N                              | 08405E                              | 46.8         | 115.0        | FGFG                  |                     |                      | 150                     | 50                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV<br>123 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|--------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2409-04004        | 00000/0000                   | 2-20021/1167                | 03/06/76         | 10             | 5695            | 1300N                              | 08345E                              | 47.1         | 113.4        | FFGG                     |                     |                      | 150                     | 51                     |
| 2409-04010        | 00000/0000                   | 2-20021/1168                | 03/06/76         | 30             | 5695            | 1134N                              | 08325E                              | 47.5         | 111.8        | FGGF                     |                     |                      | 150                     | 52                     |
| 2409-04013        | 00000/0000                   | 2-20021/1169                | 03/06/76         | 20             | 5695            | 1007N                              | 08305E                              | 47.8         | 110.2        | GGFF                     |                     |                      | 150                     | 53                     |
| 2409-04015        | 00000/0000                   | 2-20021/1170                | 03/06/76         | 10             | 5695            | 0840N                              | 08244E                              | 48.0         | 108.5        | FGFF                     |                     |                      | 150                     | 54                     |
| 2409-04022        | 00000/0000                   | 2-20021/1171                | 03/06/76         | 20             | 5695            | 0714N                              | 08224E                              | 48.3         | 106.9        | FGGG                     |                     |                      | 150                     | 55                     |
| 2409-04024        | 00000/0000                   | 2-20021/1172                | 03/06/76         | 30             | 5695            | 0548N                              | 08204E                              | 48.4         | 105.2        | FGGG                     |                     |                      | 150                     | 56                     |
| 2409-04031        | 00000/0000                   | 2-20021/1173                | 03/06/76         | 30             | 5695            | 0421N                              | 08144E                              | 48.6         | 103.6        | GGGG                     |                     |                      | 150                     | 57                     |
| 2409-05360        | 00000/0000                   | 2-20021/1195                | 03/06/76         | 10             | 5696            | 4013N                              | 06528E                              | 34.9         | 138.3        | FGFF                     |                     |                      | 186                     | 32                     |
| 2409-07110        | 00000/0000                   | 2-20021/1196                | 03/06/76         | 100            | 5697            | 6757N                              | 05700E                              | 15.4         | 161.5        | GFGF                     |                     |                      | 186                     | 12                     |
| 2409-07112        | 00000/0000                   | 2-20021/1197                | 03/06/76         | 100            | 5697            | 6638N                              | 05524E                              | 16.4         | 159.8        | GFGG                     |                     |                      | 186                     | 13                     |
| 2409-07153        | 00000/0000                   | 2-20021/1198                | 03/06/76         | 60             | 5697            | 5254N                              | 04500E                              | 26.6         | 147.5        | GGGG                     |                     |                      | 186                     | 23                     |
| 2409-07201        | 00000/0000                   | 2-20021/1199                | 03/06/76         | 30             | 5697            | 3722N                              | 03843E                              | 36.6         | 136.1        | GGGG                     |                     |                      | 186                     | 34                     |
| 2409-07203        | 00000/0000                   | 2-20021/1200                | 03/06/76         | 60             | 5697            | 3556N                              | 03816E                              | 37.5         | 135.0        | GGGG                     |                     |                      | 186                     | 35                     |
| 2409-08544        | 00000/0000                   | 2-20021/1312                | 03/06/76         | 20             | 5698            | 6637N                              | 02932E                              | 16.4         | 159.8        | GGGG                     |                     |                      | 204                     | 13                     |
| 2409-08550        | 00000/0000                   | 2-20021/1313                | 03/06/76         | 20             | 5698            | 6518N                              | 02805E                              | 17.5         | 158.3        | GGGG                     |                     |                      | 204                     | 14                     |
| 2409-08553        | 00000/0000                   | 2-20021/1314                | 03/06/76         | 20             | 5698            | 6357N                              | 02646E                              | 18.5         | 156.8        | GGPG                     |                     |                      | 204                     | 15                     |
| 2409-08555        | 00000/0000                   | 2-20021/1315                | 03/06/76         | 10             | 5698            | 6235N                              | 02533E                              | 19.6         | 155.5        | GGGG                     |                     |                      | 204                     | 16                     |
| 2409-08562        | 00000/0000                   | 2-20021/1316                | 03/06/76         | 30             | 5698            | 6113N                              | 02425E                              | 20.6         | 154.2        | GGGG                     |                     |                      | 204                     | 17                     |
| 2409-09105        | 00000/0000                   | 2-20021/1317                | 03/06/76         | 10             | 5698            | 1132N                              | 00557E                              | 47.5         | 111.7        | GGGG                     |                     |                      | 204                     | 52                     |
| 2409-14072        | 00000/0000                   | 2-20021/1205                | 03/06/76         | 90             | 5701            | 5704N                              | 05553W                              | 23.8         | 150.7        | GGFG                     |                     |                      | 7                       | 20                     |
| 2409-14074        | 00000/0000                   | 2-20021/1206                | 03/06/76         | 90             | 5701            | 5540N                              | 05643W                              | 24.8         | 149.6        | GGGG                     |                     |                      | 7                       | 21                     |
| 2409-14081        | 00000/0000                   | 2-20021/1207                | 03/06/76         | 90             | 5701            | 5417N                              | 05730W                              | 25.7         | 148.5        | FGGG                     |                     |                      | 7                       | 22                     |
| 2409-14083        | 00000/0000                   | 2-20021/1208                | 03/06/76         | 90             | 5701            | 5254N                              | 05814W                              | 26.7         | 147.5        | GGFG                     |                     |                      | 7                       | 23                     |
| 2409-14090        | 00000/0000                   | 2-20021/1209                | 03/06/76         | 40             | 5701            | 5129N                              | 05857W                              | 27.7         | 146.4        | GGGG                     |                     |                      | 7                       | 24                     |
| 2409-14092        | 00000/0000                   | 2-20021/1210                | 03/06/76         | 80             | 5701            | 5005N                              | 05938W                              | 28.7         | 145.4        | GGGG                     |                     |                      | 7                       | 25                     |
| 2409-14095        | 00000/0000                   | 2-20021/1211                | 03/06/76         | 90             | 5701            | 4840N                              | 06016W                              | 29.6         | 144.4        | GGGG                     |                     |                      | 7                       | 26                     |
| 2409-14104        | 00000/0000                   | 2-20021/1212                | 03/06/76         | 30             | 5701            | 4500N                              | 06128W                              | 31.5         | 142.4        | GGGG                     |                     |                      | 7                       | 28                     |
| 2409-14110        | 00000/0000                   | 2-20021/1213                | 03/06/76         | 40             | 5701            | 4426N                              | 06201W                              | 32.4         | 141.3        | FGGF                     |                     |                      | 7                       | 29                     |
| 2409-14113        | 00000/0000                   | 2-20021/1214                | 03/06/76         | 90             | 5701            | 4301N                              | 06233W                              | 33.3         | 140.3        | FFGG                     |                     |                      | 7                       | 30                     |
| 2409-14115        | 00000/0000                   | 2-20021/1215                | 03/06/76         | 80             | 5701            | 4195N                              | 06304W                              | 34.2         | 139.3        | FGGF                     |                     |                      | 7                       | 31                     |
| 2409-14122        | 00000/0000                   | 2-20021/1216                | 03/06/76         | 90             | 5701            | 4010N                              | 06334W                              | 35.1         | 138.2        | FGGG                     |                     |                      | 7                       | 32                     |
| 2409-14124        | 00000/0000                   | 2-20021/1217                | 03/06/76         | 90             | 5701            | 3845N                              | 06404W                              | 35.9         | 137.1        | GGGG                     |                     |                      | 7                       | 33                     |
| 2409-14131        | 00000/0000                   | 2-20021/1218                | 03/06/76         | 80             | 5701            | 3720N                              | 06432W                              | 36.8         | 136.0        | FGGG                     |                     |                      | 7                       | 34                     |
| 2409-14133        | 00000/0000                   | 2-20021/1219                | 03/06/76         | 40             | 5701            | 3554N                              | 06500W                              | 37.6         | 134.9        | FFGG                     |                     |                      | 7                       | 35                     |
| 2409-14140        | 00000/0000                   | 2-20021/1220                | 03/06/76         | 30             | 5701            | 3429N                              | 06527W                              | 38.4         | 133.7        | GGGG                     |                     |                      | 7                       | 36                     |
| 2409-14142        | 00000/0000                   | 2-20021/1221                | 03/06/76         | 10             | 5701            | 3303N                              | 06553W                              | 39.1         | 132.6        | GGGG                     |                     |                      | 7                       | 37                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

12:44 APR 29, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2409-14145        | 00000/0000                           | 2-20021/1222     | 03/06/76         | 20             | 5701            | 3137N                              | 06618W                              | 39.9         | 131.4        | GGGG                  |                     |                      | 7                       | 38                     |
| 2409-14151        | 00000/0000                           | 2-20021/1223     | 03/06/76         | 10             | 5701            | 3011N                              | 06643W                              | 40.6         | 130.2        | GGGG                  |                     |                      | 7                       | 39                     |
| 2409-15522        | 00000/0000                           | 2-20021/1235     | 03/06/76         | 0              | 5702            | 5128N                              | 08450W                              | 27.7         | 146.4        | GGGG                  |                     |                      | 25                      | 24                     |
| 2409-15524        | 00000/0000                           | 2-20021/1236     | 03/06/76         | 10             | 5702            | 5004N                              | 08530W                              | 28.7         | 145.4        | GGGG                  |                     |                      | 25                      | 25                     |
| 2409-16015        | 00000/0000                           | 2-20021/1318     | 03/06/76         | 50             | 5702            | 1843N                              | 09533W                              | 45.6         | 119.2        | GGGG                  |                     |                      | 25                      | 47                     |
| 2409-20552        | 00000/0000                           | 2-20021/1237     | 03/06/76         | 10             | 5705            | 7305N                              | 14056W                              | 11.3         | 170.3        | FG                    |                     |                      | 79                      | 8                      |
| 2409-20555        | 00000/0000                           | 2-20021/1238     | 03/06/76         | 10             | 5705            | 7150N                              | 14331W                              | 12.4         | 167.7        | GGGG                  |                     |                      | 79                      | 9                      |
| 2409-21284        | 00000/0000                           | 2-20021/1319     | 03/06/76         | 90             | 5705            | 4013S                              | 17159E                              | 34.3         | 64.6         | GGGG                  |                     |                      | 79                      | 88                     |
| 2409-21293        | 00000/0000                           | 2-20021/1320     | 03/06/76         | 30             | 5705            | 4303S                              | 17058E                              | 32.5         | 63.7         | GGGG                  |                     |                      | 79                      | 90                     |
| 2409-21300        | 00000/0000                           | 2-20021/1321     | 03/06/76         | 60             | 5705            | 4428S                              | 17026E                              | 31.6         | 63.3         | GGGG                  |                     |                      | 79                      | 91                     |
| 2409-21302        | 00000/0000                           | 2-20021/1322     | 03/06/76         | 80             | 5705            | 4554S                              | 16953E                              | 30.6         | 62.9         | GGGG                  |                     |                      | 79                      | 92                     |
| 2410-02174        | 00000/0000                           | 2-20021/1323     | 03/07/76         | 100            | 5708            | 3139N                              | 11259E                              | 40.1         | 131.3        | GGFG                  |                     |                      | 133                     | 38                     |
| 2410-02181        | 00000/0000                           | 2-20021/1324     | 03/07/76         | 100            | 5708            | 3013N                              | 11234E                              | 40.8         | 130.0        | GGGG                  |                     |                      | 133                     | 39                     |
| 2410-02201        | 00000/0000                           | 2-20021/1325     | 03/07/76         | 90             | 5708            | 2303N                              | 11038E                              | 44.1         | 123.4        | GGGG                  |                     |                      | 133                     | 44                     |
| 2410-02204        | 00000/0000                           | 2-20021/1326     | 03/07/76         | 80             | 5708            | 2136N                              | 11016E                              | 44.6         | 122.0        | GGGG                  |                     |                      | 133                     | 45                     |
| 2410-04024        | 00000/0000                           | 2-20021/1239     | 03/07/76         | 0              | 5709            | 2554N                              | 08533E                              | 42.9         | 126.1        | GGGG                  |                     |                      | 151                     | 42                     |
| 2410-04030        | 00000/0000                           | 2-20021/1240     | 03/07/76         | 0              | 5709            | 2428N                              | 08510E                              | 43.5         | 124.8        | FGGG                  |                     |                      | 151                     | 43                     |
| 2410-04033        | 00000/0000                           | 2-20021/1241     | 03/07/76         | 0              | 5709            | 2302N                              | 08448E                              | 44.1         | 123.4        | FFGG                  |                     |                      | 151                     | 44                     |
| 2410-04035        | 00000/0000                           | 2-20021/1242     | 03/07/76         | 0              | 5709            | 2136N                              | 08426E                              | 44.7         | 122.0        | GGGG                  |                     |                      | 151                     | 45                     |
| 2410-04042        | 00000/0000                           | 2-20021/1243     | 03/07/76         | 10             | 5709            | 2009N                              | 08405E                              | 45.2         | 120.5        | GGGG                  |                     |                      | 151                     | 46                     |
| 2410-05435        | 00000/0000                           | 2-20021/1244     | 03/07/76         | 90             | 5710            | 3304N                              | 06146E                              | 39.4         | 132.4        | GGGG                  |                     |                      | 169                     | 37                     |
| 2410-05441        | 00000/0000                           | 2-20021/1245     | 03/07/76         | 80             | 5710            | 3138N                              | 06120E                              | 40.1         | 131.2        | GGGG                  |                     |                      | 169                     | 38                     |
| 2410-05444        | 00000/0000                           | 2-20021/1246     | 03/07/76         | 90             | 5710            | 3011N                              | 06056E                              | 40.8         | 130.0        | GGGG                  |                     |                      | 169                     | 39                     |
| 2410-07191        | 00000/0000                           | 2-20021/1247     | 03/07/76         | 30             | 5711            | 5950N                              | 04748E                              | 22.0         | 152.9        | GGGG                  |                     |                      | 187                     | 18                     |
| 2410-07193        | 00000/0000                           | 2-20021/1248     | 03/07/76         | 0              | 5711            | 5826N                              | 04650E                              | 23.0         | 151.8        | GGGG                  |                     |                      | 187                     | 19                     |
| 2410-07200        | 00000/0000                           | 2-20021/1249     | 03/07/76         | 0              | 5711            | 3703N                              | 04556E                              | 24.0         | 150.6        | GGGG                  |                     |                      | 187                     | 20                     |
| 2410-07202        | 00000/0000                           | 2-20021/1250     | 03/07/76         | 0              | 5711            | 5540N                              | 04505E                              | 25.0         | 149.5        | GGGG                  |                     |                      | 187                     | 21                     |
| 2410-07205        | 00000/0000                           | 2-20021/1251     | 03/07/76         | 10             | 5711            | 5417N                              | 04417E                              | 26.0         | 148.5        | GGGG                  |                     |                      | 187                     | 22                     |
| 2410-07211        | 00000/0000                           | 2-20021/1252     | 03/07/76         | 20             | 5711            | 5253N                              | 04332E                              | 27.0         | 147.4        | GGGG                  |                     |                      | 187                     | 23                     |
| 2410-07214        | 00000/0000                           | 2-20021/1253     | 03/07/76         | 70             | 5711            | 5129N                              | 04250E                              | 28.0         | 146.4        | GGGG                  |                     |                      | 187                     | 24                     |
| 2410-07220        | 00000/0000                           | 2-20021/1254     | 03/07/76         | 50             | 5711            | 5005N                              | 04210E                              | 28.9         | 145.4        | GGGG                  |                     |                      | 187                     | 25                     |
| 2410-07223        | 00000/0000                           | 2-20021/1255     | 03/07/76         | 100            | 5711            | 4841N                              | 04132E                              | 29.9         | 144.3        | GGGG                  |                     |                      | 187                     | 26                     |
| 2410-07225        | 00000/0000                           | 2-20021/1256     | 03/07/76         | 100            | 5711            | 4717N                              | 04055E                              | 30.8         | 143.3        | GGGG                  |                     |                      | 187                     | 27                     |
| 2410-07232        | 00000/0000                           | 2-20021/1257     | 03/07/76         | 80             | 5711            | 4552N                              | 04020E                              | 31.8         | 142.3        | GGGG                  |                     |                      | 187                     | 28                     |
| 2410-07234        | 00000/0000                           | 2-20021/1258     | 03/07/76         | 30             | 5711            | 4427N                              | 03947E                              | 32.7         | 141.2        | FFGG                  |                     |                      | 187                     | 29                     |
| 2410-09002        | 00000/0000                           | 2-20021/1114     | 03/07/76         | 70             | 5712            | 6636N                              | 02808E                              | 16.9         | 159.8        | GF                    |                     |                      | 205                     | 13                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN REEL<br>RBV | REEL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | QUAL<br>MSS DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|--------------------------|----------------------|-------------------------|------------------------|
| 2410-09004        | 00000/0000                           | 2-20021/1115     | 03/07/76         | 60             | 5712            | 6516N                              | 02641E                              | 17.9         | 158.2        | GGGG                  |                          |                      | 205                     | 14                     |
| 2410-09011        | 00000/0000                           | 2-20021/1116     | 03/07/76         | 0              | 5712            | 6355N                              | 02521E                              | 18.9         | 156.8        | GGGG                  |                          |                      | 205                     | 15                     |
| 2410-09013        | 00000/0000                           | 2-20021/1117     | 03/07/76         | 10             | 5712            | 6243N                              | 02409E                              | 20.0         | 155.4        | GGGG                  |                          |                      | 205                     | 16                     |
| 2410-09170        | 00000/0000                           | 2-20021/1118     | 03/07/76         | 10             | 5712            | 1002N                              | 00411E                              | 48.0         | 109.5        | GGGG                  |                          |                      | 203                     | 53                     |
| 2410-12565        | 00000/0000                           | 2-20021/1119     | 03/07/76         | 10             | 5714            | 3547S                              | 05856W                              | 36.7         | 66.2         | FFFF                  |                          |                      | 241                     | 85                     |
| 2410-12572        | 00000/0000                           | 2-20021/1120     | 03/07/76         | 60             | 5714            | 3723S                              | 05923W                              | 35.8         | 65.5         | GGGG                  |                          |                      | 241                     | 86                     |
| 2410-14124        | 00000/0000                           | 2-20021/1270     | 03/07/76         | 100            | 5715            | 5828N                              | 05626W                              | 23.1         | 151.8        | GGGG                  |                          |                      | 8                       | 19                     |
| 2410-14130        | 00000/0000                           | 2-20021/1271     | 03/07/76         | 90             | 5715            | 5705N                              | 05720W                              | 24.1         | 150.6        | GGGG                  |                          |                      | 8                       | 20                     |
| 2410-14133        | 00000/0000                           | 2-20021/1272     | 03/07/76         | 90             | 5715            | 5542N                              | 05810W                              | 25.1         | 149.5        | GGGG                  |                          |                      | 8                       | 21                     |
| 2410-14135        | 00000/0000                           | 2-20021/1273     | 03/07/76         | 80             | 5715            | 5418N                              | 05858W                              | 26.1         | 148.5        | GGGG                  |                          |                      | 8                       | 22                     |
| 2410-14142        | 00000/0000                           | 2-20021/1274     | 03/07/76         | 20             | 5715            | 5254N                              | 05942W                              | 27.1         | 147.4        | GGGG                  |                          |                      | 8                       | 23                     |
| 2410-14144        | 00000/0000                           | 2-20021/1275     | 03/07/76         | 0              | 5715            | 5130N                              | 06024W                              | 28.1         | 146.4        | GGGG                  |                          |                      | 8                       | 24                     |
| 2410-14151        | 00000/0000                           | 2-20021/1276     | 03/07/76         | 30             | 5715            | 5006N                              | 06104W                              | 29.0         | 145.3        | GGGG                  |                          |                      | 8                       | 25                     |
| 2410-14153        | 00000/0000                           | 2-20021/1277     | 03/07/76         | 30             | 5715            | 4842N                              | 06143W                              | 30.0         | 144.3        | GGGG                  |                          |                      | 8                       | 26                     |
| 2410-14160        | 00000/0000                           | 2-20021/1278     | 03/07/76         | 40             | 5715            | 4717N                              | 06220W                              | 30.9         | 143.3        | GGGG                  |                          |                      | 8                       | 27                     |
| 2410-14162        | 00000/0000                           | 2-20021/1279     | 03/07/76         | 20             | 5715            | 4552N                              | 06256W                              | 31.8         | 142.3        | GGGG                  |                          |                      | 8                       | 28                     |
| 2410-14165        | 00000/0000                           | 2-20021/1280     | 03/07/76         | 30             | 5715            | 4427N                              | 06329W                              | 32.8         | 141.2        | GFGG                  |                          |                      | 8                       | 29                     |
| 2410-14171        | 00000/0000                           | 2-20021/1281     | 03/07/76         | 40             | 5715            | 4302N                              | 06401W                              | 33.7         | 140.2        | GGGG                  |                          |                      | 8                       | 30                     |
| 2410-14174        | 00000/0000                           | 2-20021/1282     | 03/07/76         | 40             | 5715            | 4137N                              | 06432W                              | 34.5         | 139.1        | GGGG                  |                          |                      | 8                       | 31                     |
| 2410-14180        | 00000/0000                           | 2-20021/1283     | 03/07/76         | 40             | 5715            | 4012N                              | 06501W                              | 35.4         | 138.0        | GGGG                  |                          |                      | 8                       | 32                     |
| 2410-14183        | 00000/0000                           | 2-20021/1284     | 03/07/76         | 80             | 5715            | 3846N                              | 06530W                              | 36.3         | 136.9        | GGGG                  |                          |                      | 8                       | 33                     |
| 2410-14185        | 00000/0000                           | 2-20021/1285     | 03/07/76         | 90             | 5715            | 3721N                              | 06559W                              | 37.1         | 135.8        | GGGG                  |                          |                      | 8                       | 34                     |
| 2410-14192        | 00000/0000                           | 2-20021/1286     | 03/07/76         | 90             | 5715            | 3555N                              | 06626W                              | 37.9         | 134.7        | GGGG                  |                          |                      | 8                       | 35                     |
| 2410-14194        | 00000/0000                           | 2-20021/1287     | 03/07/76         | 100            | 5715            | 3430N                              | 06653W                              | 38.7         | 133.5        | GGGG                  |                          |                      | 8                       | 36                     |
| 2410-14201        | 00000/0000                           | 2-20021/1288     | 03/07/76         | 80             | 5715            | 3304N                              | 06719W                              | 39.5         | 132.3        | GGGG                  |                          |                      | 8                       | 37                     |
| 2410-14203        | 00000/0000                           | 2-20021/1289     | 03/07/76         | 50             | 5715            | 3138N                              | 06745W                              | 40.2         | 131.1        | GGGG                  |                          |                      | 8                       | 38                     |
| 2410-14210        | 00000/0000                           | 2-20021/1290     | 03/07/76         | 10             | 5715            | 3012N                              | 06809W                              | 41.0         | 129.9        | GGGG                  |                          |                      | 8                       | 39                     |
| 2410-14212        | 00000/0000                           | 2-20021/1291     | 03/07/76         | 20             | 5715            | 2846N                              | 06833W                              | 41.7         | 128.6        | GGGG                  |                          |                      | 8                       | 40                     |
| 2410-15580        | 00000/0000                           | 2-20021/1268     | 03/07/76         | 10             | 5716            | 5130N                              | 08615W                              | 28.1         | 146.4        | GGGG                  |                          |                      | 26                      | 24                     |
| 2410-15582        | 00000/0000                           | 2-20021/1269     | 03/07/76         | 90             | 5716            | 5006N                              | 08655W                              | 29.1         | 145.3        | GGGG                  |                          |                      | 26                      | 25                     |
| 2410-16062        | 00000/0000                           | 2-20021/1292     | 03/07/76         | 50             | 5716            | 2303N                              | 09553W                              | 44.2         | 123.2        | GFGG                  |                          |                      | 26                      | 44                     |
| 2410-16064        | 00000/0000                           | 2-20021/1293     | 03/07/76         | 20             | 5716            | 2137N                              | 09615W                              | 44.8         | 121.8        | GGFG                  |                          |                      | 26                      | 45                     |
| 2410-16071        | 00000/0000                           | 2-20021/1294     | 03/07/76         | 40             | 5716            | 2011N                              | 09637W                              | 45.3         | 120.3        | GGGG                  |                          |                      | 26                      | 46                     |
| 2410-16073        | 00000/0000                           | 2-20021/1121     | 03/07/76         | 40             | 5716            | 1845N                              | 09659W                              | 45.8         | 118.9        | GGGG                  |                          |                      | 26                      | 47                     |
| 2410-21004        | 00000/0000                           | 2-20021/1308     | 03/07/76         | 0              | 5719            | 7416N                              | 13925W                              | 10.7         | 173.2        | FGGG                  |                          |                      | 80                      | 7                      |
| 2410-21011        | 00000/0000                           | 2-20021/1309     | 03/07/76         | 0              | 5719            | 7303N                              | 14221W                              | 11.7         | 170.3        | GGGG                  |                          |                      | 80                      | 8                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK, NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | LONG   | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | QUAL<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|-----------------|------------------------------------|--------|--------------|--------------|-----------------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2410-21013        | 00000/0000                                     | 2-20021/1310 | 03/07/76         | 0              | 5719            | 7149N                              | 14456W | 12.8         | 167.7        | GGGG                  |                   |                     |                      | 80                      | 9                      |
| 2410-21352        | 00000/0000                                     | 2-20021/1122 | 03/07/76         | 90             | 5719            | 4305S                              | 16931E | 32.2         | 63.3         | GFGG                  |                   |                     |                      | 80                      | 90                     |
| 2410-21354        | 00000/0000                                     | 2-20021/1123 | 03/07/76         | 60             | 5719            | 4430S                              | 16859E | 31.3         | 62.9         | GGGF                  |                   |                     |                      | 80                      | 91                     |
| 2410-21361        | 00000/0000                                     | 2-20021/1124 | 03/07/76         | 60             | 5719            | 4555S                              | 16826E | 30.3         | 62.6         | GGGF                  |                   |                     |                      | 80                      | 92                     |
| 2410-22495        | 00000/0000                                     | 2-20021/1311 | 03/07/76         | 90             | 5720            | 5541N                              | 17244E | 25.3         | 149.5        | GGGG                  |                   |                     |                      | 98                      | 21                     |
| 2411-02203        | 00000/0000                                     | 2-20021/1125 | 03/08/76         | 10             | 5722            | 4135N                              | 11444E | 34.7         | 139.0        | GFGG                  |                   |                     |                      | 134                     | 31                     |
| 2411-02205        | 00000/0000                                     | 2-20021/1126 | 03/08/76         | 10             | 5722            | 4010N                              | 11414E | 35.6         | 137.9        | GFGF                  |                   |                     |                      | 134                     | 32                     |
| 2411-02212        | 00000/0000                                     | 2-20021/1127 | 03/08/76         | 40             | 5722            | 3844N                              | 11344E | 36.5         | 136.8        | GGFG                  |                   |                     |                      | 134                     | 33                     |
| 2411-02214        | 00000/0000                                     | 2-20021/1128 | 03/08/76         | 40             | 5722            | 3719N                              | 11316E | 37.3         | 136.7        | FQFF                  |                   |                     |                      | 134                     | 34                     |
| 2411-02221        | 00000/0000                                     | 2-20021/1129 | 03/08/76         | 30             | 5722            | 3553N                              | 11248E | 38.1         | 134.5        | GFGG                  |                   |                     |                      | 134                     | 35                     |
| 2411-02223        | 00000/0000                                     | 2-20021/1130 | 03/08/76         | 10             | 5722            | 3427N                              | 11222E | 38.9         | 133.4        | GGGG                  |                   |                     |                      | 134                     | 36                     |
| 2411-02230        | 00000/0000                                     | 2-20021/1131 | 03/08/76         | 10             | 5722            | 3301N                              | 11156E | 39.7         | 132.2        | GGGG                  |                   |                     |                      | 134                     | 37                     |
| 2411-02232        | 00000/0000                                     | 2-20021/1132 | 03/08/76         | 70             | 5722            | 3135N                              | 11131E | 40.4         | 131.0        | GGGG                  |                   |                     |                      | 134                     | 38                     |
| 2411-02235        | 00000/0000                                     | 2-20021/1133 | 03/08/76         | 90             | 5722            | 3010N                              | 11106E | 41.1         | 129.7        | GGFG                  |                   |                     |                      | 134                     | 39                     |
| 2411-02241        | 00000/0000                                     | 2-20021/1134 | 03/08/76         | 100            | 5722            | 2845N                              | 11042E | 41.8         | 128.4        | GGFG                  |                   |                     |                      | 134                     | 40                     |
| 2411-02244        | 00000/0000                                     | 2-20021/1135 | 03/08/76         | 100            | 5722            | 2719N                              | 11018E | 42.5         | 127.1        | GGFG                  |                   |                     |                      | 134                     | 41                     |
| 2411-02250        | 00000/0000                                     | 2-20021/1136 | 03/08/76         | 90             | 5722            | 2553N                              | 10955E | 43.2         | 125.8        | GGFG                  |                   |                     |                      | 134                     | 42                     |
| 2411-02253        | 00000/0000                                     | 2-20021/1137 | 03/08/76         | 90             | 5722            | 2427N                              | 10932E | 43.8         | 124.4        | GGFG                  |                   |                     |                      | 134                     | 43                     |
| 2411-02255        | 00000/0000                                     | 2-20021/1138 | 03/08/76         | 90             | 5722            | 2300N                              | 10911E | 44.4         | 123.0        | GGGG                  |                   |                     |                      | 134                     | 44                     |
| 2411-02262        | 00000/0000                                     | 2-20021/1139 | 03/08/76         | 60             | 5722            | 2134N                              | 10849E | 44.9         | 121.6        | GGGG                  |                   |                     |                      | 134                     | 45                     |
| 2411-02312        | 00000/0000                                     | 2-20021/1140 | 03/08/76         | 30             | 5722            | 0417N                              | 10441E | 48.5         | 102.4        | GGGG                  |                   |                     |                      | 134                     | 57                     |
| 2411-02314        | 00000/0000                                     | 2-20021/1141 | 03/08/76         | 30             | 5722            | 0251N                              | 10421E | 48.9         | 100.7        | GGGG                  |                   |                     |                      | 134                     | 58                     |
| 2411-04075        | 00000/0000                                     | 2-20021/1224 | 03/08/76         | 10             | 5723            | 2718N                              | 08430E | 42.5         | 127.1        | GGGG                  |                   |                     |                      | 152                     | 41                     |
| 2411-04082        | 00000/0000                                     | 2-20021/1225 | 03/08/76         | 0              | 5723            | 2543N                              | 08407E | 43.2         | 125.8        | GGGG                  |                   |                     |                      | 152                     | 42                     |
| 2411-04084        | 00000/0000                                     | 2-20021/1226 | 03/08/76         | 10             | 5723            | 2427N                              | 08344E | 43.8         | 124.4        | GGGG                  |                   |                     |                      | 152                     | 43                     |
| 2411-04091        | 00000/0000                                     | 2-20021/1227 | 03/08/76         | 10             | 5723            | 2301N                              | 08322E | 44.4         | 123.0        | GGGF                  |                   |                     |                      | 152                     | 44                     |
| 2411-04093        | 00000/0000                                     | 2-20021/1228 | 03/08/76         | 0              | 5723            | 2134N                              | 08259E | 45.0         | 121.6        | GGGG                  |                   |                     |                      | 152                     | 45                     |
| 2411-04100        | 00000/0000                                     | 2-20021/1229 | 03/08/76         | 10             | 5723            | 2008N                              | 08237E | 45.5         | 120.1        | GGGG                  |                   |                     |                      | 152                     | 46                     |
| 2411-04102        | 00000/0000                                     | 2-20021/1230 | 03/08/76         | 0              | 5723            | 1841N                              | 08216E | 46.0         | 118.6        | GGGG                  |                   |                     |                      | 152                     | 47                     |
| 2411-05505        | 00000/0000                                     | 2-20021/1231 | 03/08/76         | 10             | 5724            | 2844N                              | 05903E | 41.9         | 128.4        | GGGG                  |                   |                     |                      | 170                     | 40                     |
| 2411-05514        | 00000/0000                                     | 2-20021/1232 | 03/08/76         | 10             | 5724            | 2551N                              | 05817E | 43.2         | 125.7        | FQGF                  |                   |                     |                      | 170                     | 42                     |
| 2411-06041        | 00000/0000                                     | 2-20021/1233 | 03/08/76         | 70             | 5724            | 1722S                              | 04757E | 45.5         | 78.9         | GGGG                  |                   |                     |                      | 170                     | 72                     |
| 2411-06043        | 00000/0000                                     | 2-20021/1234 | 03/08/76         | 70             | 5724            | 1848S                              | 04736E | 45.0         | 77.6         | GGGG                  |                   |                     |                      | 170                     | 73                     |
| 2411-07263        | 00000/0000                                     | 2-20021/1201 | 03/08/76         | 10             | 5725            | 5419N                              | 04252E | 26.4         | 148.4        | G GG                  |                   |                     |                      | 188                     | 22                     |
| 2411-07270        | 00000/0000                                     | 2-20021/1202 | 03/08/76         | 10             | 5725            | 5255N                              | 04207E | 27.4         | 147.4        | GGGG                  |                   |                     |                      | 188                     | 23                     |
| 2411-07290        | 00000/0000                                     | 2-20021/1203 | 03/08/76         | 10             | 5725            | 4553N                              | 03855E | 32.1         | 142.2        | GGGG                  |                   |                     |                      | 188                     | 28                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2411-07404        | 00000/0000 2-20021/1204                        | 03/08/76         | 10                    | 5725                               | 0546N                               | 02734E       | 48.8         | 104.1             | GGGG        |                     |                      | 188                     | 56                     |
| 2411-09195        | 00000/0000 2-20021/1327                        | 03/08/76         | 10                    | 5726                               | 2011N                               | 00512E       | 45.5         | 120.0             | GGFG        |                     |                      | 206                     | 46                     |
| 2411-09201        | 00000/0000 2-20021/1328                        | 03/08/76         | 30                    | 5726                               | 1845N                               | 00450E       | 46.0         | 118.5             | FGFG        |                     |                      | 206                     | 47                     |
| 2411-09204        | 00000/0000 2-20021/1329                        | 03/08/76         | 10                    | 5726                               | 1718N                               | 00429E       | 46.5         | 117.0             | GGGG        |                     |                      | 206                     | 48                     |
| 2411-09210        | 00000/0000 2-20021/1330                        | 03/08/76         | 10                    | 5726                               | 1552N                               | 00408E       | 46.9         | 115.5             | GGGG        |                     |                      | 206                     | 49                     |
| 2411-09213        | 00000/0000 2-20021/1331                        | 03/08/76         | 30                    | 5726                               | 1425N                               | 00347E       | 47.3         | 113.9             | FGGG        |                     |                      | 206                     | 50                     |
| 2411-09215        | 00000/0000 2-20021/1332                        | 03/08/76         | 10                    | 5726                               | 1258N                               | 00327E       | 47.6         | 112.3             | FGGG        |                     |                      | 206                     | 51                     |
| 2411-09222        | 00000/0000 2-20021/1333                        | 03/08/76         | 10                    | 5726                               | 1132N                               | 00306E       | 47.9         | 110.7             | GGGG        |                     |                      | 206                     | 52                     |
| 2411-10521        | 00000/0000 2-20021/1334                        | 03/08/76         | 50                    | 5727                               | 5704N                               | 00707W       | 24.5         | 150.6             | GGGG        |                     |                      | 224                     | 20                     |
| 2411-12550        | 00000/0000 2-20021/1335                        | 03/08/76         | 40                    | 5728                               | 1008S                               | 05332W       | 47.6         | 85.9              | GGGG        |                     |                      | 242                     | 67                     |
| 2411-14191        | 00000/0000 2-20021/1336                        | 03/08/76         | 100                   | 5729                               | 5541N                               | 05936W       | 25.5         | 149.5             | GGGG        |                     |                      | 9                       | 21                     |
| 2411-14193        | 00000/0000 2-20021/1337                        | 03/08/76         | 90                    | 5729                               | 5417N                               | 06023W       | 26.5         | 148.4             | GGGG        |                     |                      | 9                       | 22                     |
| 2411-14200        | 00000/0000 2-20021/1338                        | 03/08/76         | 100                   | 5729                               | 5253N                               | 06107W       | 27.5         | 147.3             | GGGG        |                     |                      | 9                       | 23                     |
| 2411-14205        | 00000/0000 2-20021/1339                        | 03/08/76         | 10                    | 5729                               | 5005N                               | 06230W       | 29.4         | 145.2             | GGGG        |                     |                      | 9                       | 25                     |
| 2411-14211        | 00000/0000 2-20021/1340                        | 03/08/76         | 10                    | 5729                               | 4841N                               | 06308W       | 30.4         | 144.2             | GGGG        |                     |                      | 9                       | 26                     |
| 2411-14220        | 00000/0000 2-20021/1341                        | 03/08/76         | 30                    | 5729                               | 4551N                               | 06419W       | 32.2         | 142.1             | GGGG        |                     |                      | 9                       | 28                     |
| 2411-14223        | 00000/0000 2-20021/1342                        | 03/08/76         | 50                    | 5729                               | 4426N                               | 06453W       | 33.1         | 141.1             | GGGG        |                     |                      | 9                       | 29                     |
| 2411-14225        | 00000/0000 2-20021/1343                        | 03/08/76         | 50                    | 5729                               | 4302N                               | 06525W       | 34.0         | 140.0             | GGGG        |                     |                      | 9                       | 30                     |
| 2411-14232        | 00000/0000 2-20021/1344                        | 03/08/76         | 70                    | 5729                               | 4136N                               | 06556W       | 34.9         | 138.9             | GGGG        |                     |                      | 9                       | 31                     |
| 2411-14234        | 00000/0000 2-20021/1345                        | 03/08/76         | 30                    | 5729                               | 4011N                               | 06626W       | 35.8         | 137.8             | GGGG        |                     |                      | 9                       | 32                     |
| 2411-14241        | 00000/0000 2-20021/1346                        | 03/08/76         | 30                    | 5729                               | 3845N                               | 06656W       | 36.6         | 136.7             | GGGG        |                     |                      | 9                       | 33                     |
| 2411-14243        | 00000/0000 2-20021/1347                        | 03/08/76         | 50                    | 5729                               | 3720N                               | 06724W       | 37.5         | 135.6             | GGGG        |                     |                      | 9                       | 34                     |
| 2411-14250        | 00000/0000 2-20021/1348                        | 03/08/76         | 40                    | 5729                               | 3554N                               | 06752W       | 38.3         | 134.4             | GGGG        |                     |                      | 9                       | 35                     |
| 2411-14252        | 00000/0000 2-20021/1349                        | 03/08/76         | 10                    | 5729                               | 3429N                               | 06818W       | 39.1         | 133.3             | GGGG        |                     |                      | 9                       | 36                     |
| 2411-14255        | 00000/0000 2-20021/1350                        | 03/08/76         | 20                    | 5729                               | 3303N                               | 06844W       | 39.8         | 132.1             | GGGG        |                     |                      | 9                       | 37                     |
| 2411-14261        | 00000/0000 2-20021/1351                        | 03/08/76         | 30                    | 5729                               | 3137N                               | 06909W       | 40.6         | 130.8             | GGGG        |                     |                      | 9                       | 38                     |
| 2411-14264        | 00000/0000 2-20021/1352                        | 03/08/76         | 80                    | 5729                               | 3011N                               | 06934W       | 41.3         | 129.6             | GGGG        |                     |                      | 9                       | 39                     |
| 2411-14270        | 00000/0000 2-20021/1353                        | 03/08/76         | 30                    | 5729                               | 2845N                               | 06958W       | 42.0         | 128.3             | GGGG        |                     |                      | 9                       | 40                     |
| 2411-16034        | 00000/0000 2-20021/1357                        | 03/08/76         | 10                    | 5730                               | 5129N                               | 08742W       | 28.5         | 146.3             | GGGG        |                     |                      | 27                      | 24                     |
| 2411-16041        | 00000/0000 2-20021/1358                        | 03/08/76         | 10                    | 5730                               | 5005N                               | 08822W       | 29.5         | 145.2             | GGGG        |                     |                      | 27                      | 25                     |
| 2411-16114        | 00000/0000 2-20021/1191                        | 03/08/76         | 20                    | 5730                               | 2427N                               | 09658W       | 43.9         | 124.2             | GGGG        |                     |                      | 27                      | 43                     |
| 2411-16120        | 00000/0000 2-20021/1192                        | 03/08/76         | 10                    | 5730                               | 2301N                               | 09721W       | 44.5         | 122.8             | GGGG        |                     |                      | 27                      | 44                     |
| 2411-16123        | 00000/0000 2-20021/1193                        | 03/08/76         | 20                    | 5730                               | 2134N                               | 09743W       | 45.1         | 121.4             | GGGG        |                     |                      | 27                      | 45                     |
| 2411-16125        | 00000/0000 2-20021/1194                        | 03/08/76         | 10                    | 5730                               | 2008N                               | 09805W       | 45.6         | 119.9             | GGGG        |                     |                      | 27                      | 46                     |
| 2411-21062        | 00000/0000 2-20021/1354                        | 03/08/76         | 0                     | 5733                               | 7416N                               | 14103W       | 11.1         | 173.2             | GGGG        |                     |                      | 81                      | 7                      |
| 2411-21065        | 00000/0000 2-20021/1355                        | 03/08/76         | 0                     | 5733                               | 7302N                               | 14358W       | 12.1         | 170.3             | GGGG        |                     |                      | 81                      | 8                      |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANOSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA<br>MODE | MSS<br>MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-------------------|----------------------------|-----------------------------|-------------------------|------------------------|
| 2411-21071        | 00000/0000                                     | 2-20021/1356     | 03/08/76       | 10              | 5733                         | 7148N         | 14631W       | 13.2         | 167.7             | GGGG                       |                             | 81                      | 9                      |
| 2412-05524        | 00000/0000                                     | 2-20021/1359     | 03/09/76       | 30              | 5738                         | 4137N         | 06142E       | 35.2         | 138.8             | GGGF                       |                             | 171                     | 31                     |
| 2412-05542        | 00000/0000                                     | 2-20021/1360     | 03/09/76       | 70              | 5738                         | 3554N         | 05947E       | 38.5         | 134.3             | GGFG                       |                             | 171                     | 35                     |
| 2412-05545        | 00000/0000                                     | 2-20021/1361     | 03/09/76       | 10              | 5738                         | 3429N         | 05920E       | 39.3         | 133.1             | GGFG                       |                             | 171                     | 36                     |
| 2412-05551        | 00000/0000                                     | 2-20021/1362     | 03/09/76       | 10              | 5738                         | 3304N         | 05854E       | 40.0         | 131.9             | GGGF                       |                             | 171                     | 37                     |
| 2412-05554        | 00000/0000                                     | 2-20021/1363     | 03/09/76       | 10              | 5738                         | 3138N         | 05829E       | 40.8         | 130.7             | GFFF                       |                             | 171                     | 38                     |
| 2412-05560        | 00000/0000                                     | 2-20021/1364     | 03/09/76       | 20              | 5738                         | 3012N         | 05804E       | 41.5         | 129.4             | GFGF                       |                             | 171                     | 39                     |
| 2412-05563        | 00000/0000                                     | 2-20021/1365     | 03/09/76       | 20              | 5738                         | 2846N         | 05740E       | 42.2         | 128.1             | GGFG                       |                             | 171                     | 40                     |
| 2412-07303        | 00000/0000                                     | 2-20021/1366     | 03/09/76       | 10              | 5739                         | 5951N         | 04455E       | 22.8         | 152.9             | FGGG                       |                             | 189                     | 18                     |
| 2412-07310        | 00000/0000                                     | 2-20021/1367     | 03/09/76       | 10              | 5739                         | 5829N         | 04358E       | 23.8         | 151.7             | FGGG                       |                             | 189                     | 19                     |
| 2412-07312        | 00000/0000                                     | 2-20021/1368     | 03/09/76       | 20              | 5739                         | 5705N         | 04303E       | 24.8         | 150.5             | GGGG                       |                             | 189                     | 20                     |
| 2412-07316        | 00000/0000                                     | 2-20021/1369     | 03/09/76       | 0               | 5739                         | 5541N         | 04212E       | 25.8         | 149.4             | GGGG                       |                             | 189                     | 21                     |
| 2412-07321        | 00000/0000                                     | 2-20021/1370     | 03/09/76       | 0               | 5739                         | 5418N         | 04125E       | 26.8         | 148.3             | GGGF                       |                             | 189                     | 22                     |
| 2412-07324        | 00000/0000                                     | 2-20021/1371     | 03/09/76       | 10              | 5739                         | 5254N         | 04040E       | 27.8         | 147.3             | GFGF                       |                             | 189                     | 23                     |
| 2412-07330        | 00000/0000                                     | 2-20021/1372     | 03/09/76       | 10              | 5739                         | 5130N         | 03958E       | 28.7         | 146.2             | GFFG                       |                             | 189                     | 24                     |
| 2412-07333        | 00000/0000                                     | 2-20021/1373     | 03/09/76       | 0               | 5739                         | 5006N         | 03917E       | 29.7         | 145.2             | GGG3                       |                             | 189                     | 25                     |
| 2412-07335        | 00000/0000                                     | 2-20021/1374     | 03/09/76       | 0               | 5739                         | 4842N         | 03839E       | 30.7         | 144.1             | GGGG                       |                             | 189                     | 26                     |
| 2412-07342        | 00000/0000                                     | 2-20021/1375     | 03/09/76       | 0               | 5739                         | 4717N         | 03803E       | 31.6         | 143.1             | FGGF                       |                             | 189                     | 27                     |
| 2412-07344        | 00000/0000                                     | 2-20021/1376     | 03/09/76       | 0               | 5739                         | 4551N         | 03728E       | 32.5         | 142.0             | GGGG                       |                             | 189                     | 28                     |
| 2412-07351        | 00000/0000                                     | 2-20021/1377     | 03/09/76       | 0               | 5739                         | 4426N         | 03655E       | 33.4         | 140.9             | FGGG                       |                             | 189                     | 29                     |
| 2412-09114        | 00000/0000                                     | 2-20021/1379     | 03/09/76       | 0               | 5740                         | 6636N         | 02517E       | 17.1         | 159.8             | G GG                       |                             | 207                     | 13                     |
| 2412-09121        | 00000/0000                                     | 2-20021/1383     | 03/09/76       | 10              | 5740                         | 6516N         | 02350E       | 18.7         | 158.2             | GGGG                       |                             | 207                     | 14                     |
| 2412-09123        | 00000/0000                                     | 2-20021/1384     | 03/09/76       | 60              | 5740                         | 6355N         | 02230E       | 19.7         | 156.8             | GFGG                       |                             | 207                     | 15                     |
| 2412-09130        | 00000/0000                                     | 2-20021/1385     | 03/09/76       | 60              | 5740                         | 6234N         | 02116E       | 20.8         | 155.4             | GGGG                       |                             | 207                     | 16                     |
| 2412-09255        | 00000/0000                                     | 2-20021/1386     | 03/09/76       | 0               | 5740                         | 1843N         | 00324E       | 46.3         | 118.1             | GG                         |                             | 207                     | 47                     |
| 2412-13005        | 00000/0000                                     | 2-20021/1387     | 03/09/76       | 70              | 5742                         | 1006S         | 05459W       | 47.6         | 85.3              | GGGG                       |                             | 243                     | 67                     |
| 2412-13050        | 00000/0000                                     | 2-20021/1388     | 03/09/76       | 0               | 5742                         | 2430S         | 05832W       | 42.4         | 72.3              | PPPP                       |                             | 243                     | 77                     |
| 2412-13052        | 00000/0000                                     | 2-20021/1389     | 03/09/76       | 50              | 5742                         | 2556S         | 05855W       | 41.7         | 71.3              | PPPP                       |                             | 243                     | 78                     |
| 2412-13075        | 00000/0000                                     | 2-20021/1390     | 03/09/76       | 70              | 5742                         | 3432S         | 06122W       | 37.1         | 66.1              | GG??                       |                             | 243                     | 84                     |
| 2412-13082        | 00000/0000                                     | 2-20021/1391     | 03/09/76       | 80              | 5742                         | 3558S         | 06149W       | 36.2         | 65.4              | GGGG                       |                             | 10                      | 25                     |
| 2412-14263        | 00000/0000                                     | 2-20021/1295     | 03/09/76       | 40              | 5734                         | 5007N         | 06357W       | 29.8         | 145.1             | GGGG                       |                             | 10                      | 26                     |
| 2412-14270        | 00000/0000                                     | 2-20021/1296     | 03/09/76       | 30              | 5734                         | 4843N         | 06434W       | 30.7         | 144.1             | GGGG                       |                             | 10                      | 31                     |
| 2412-14290        | 00000/0000                                     | 2-20021/1297     | 03/09/76       | 90              | 5734                         | 4138N         | 06723W       | 35.3         | 138.8             | GGGG                       |                             | 10                      | 32                     |
| 2412-14293        | 00000/0000                                     | 2-20021/1298     | 03/09/76       | 100             | 5734                         | 4013N         | 06754W       | 36.1         | 137.7             | GFGG                       |                             | 10                      | 34                     |
| 2412-14302        | 00000/0000                                     | 2-20021/1299     | 03/09/76       | 100             | 5734                         | 3722N         | 06851W       | 37.8         | 135.4             | GGGG                       |                             | 10                      | 35                     |
| 2412-14304        | 00000/0000                                     | 2-20021/1300     | 03/09/76       | 100             | 5734                         | 3556N         | 06918W       | 38.6         | 134.2             | GGGG                       |                             | 10                      | 35                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER,  
IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

ISAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SUN<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|---------------|------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-----------------------|------------------------|
| 2412-14311        | 00000/0000                                     | 2-20021/1301     | 03/09/76       | 90            | 5734                               | 3430N        | 06944W       | 39.4              | 133.0               | GGGG                 | 10                    | 36                     |
| 2412-14313        | 00000/0000                                     | 2-20021/1302     | 03/09/76       | 90            | 5734                               | 3305N        | 07010W       | 40.2              | 131.8               | GGGG                 | 10                    | 37                     |
| 2412-14320        | 00000/0000                                     | 2-20021/1303     | 03/09/76       | 40            | 5734                               | 3139N        | 07035W       | 40.9              | 130.6               | GGGG                 | 10                    | 38                     |
| 2412-14322        | 00000/0000                                     | 2-20021/1304     | 03/09/76       | 50            | 5734                               | 3013N        | 07100W       | 41.6              | 129.3               | GGGG                 | 10                    | 39                     |
| 2412-14325        | 00000/0000                                     | 2-20021/1305     | 03/09/76       | 40            | 5734                               | 2847N        | 07124W       | 42.3              | 128.0               | GGGG                 | 10                    | 40                     |
| 2412-14331        | 00000/0000                                     | 2-20021/1306     | 03/09/76       | 40            | 5734                               | 2721N        | 07148W       | 43.0              | 126.7               | GGGG                 | 10                    | 41                     |
| 2412-16095        | 00000/0000                                     | 2-20021/1307     | 03/09/76       | 10            | 5744                               | 5007N        | 08948W       | 29.8              | 145.1               | GGGG                 | 28                    | 25                     |
| 2412-16172        | 00000/0000                                     | 2-20021/1378     | 03/09/76       | 80            | 5744                               | 2428N        | 09R24W       | 44.2              | 123.9               | GGGG                 | 28                    | 43                     |
| 2412-21121        | 00000/0000                                     | 2-20021/1380     | 03/09/76       | 0             | 5747                               | 7416N        | 14215W       | 11.4              | 173.3               | P                    | 82                    | 7                      |
| 2412-21123        | 00000/0000                                     | 2-20021/1381     | 03/09/76       | 0             | 5747                               | 7304N        | 14512W       | 12.5              | 170.4               | PPFF                 | 82                    | 8                      |
| 2412-21130        | 00000/0000                                     | 2-20021/1382     | 03/09/76       | 0             | 5747                               | 7149N        | 14745W       | 13.6              | 167.8               | FGGF                 | 82                    | 9                      |
| 2413-02315        | 00000/0000                                     | 2-20021/1392     | 03/10/76       | 0             | 5750                               | 4135N        | 11133E       | 35.5              | 138.6               | GGGG                 | 136                   | 31                     |
| 2413-02322        | 00000/0000                                     | 2-20021/1393     | 03/10/76       | 40            | 5750                               | 4010N        | 11123E       | 36.3              | 137.5               | GGGG                 | 136                   | 32                     |
| 2413-02324        | 00000/0000                                     | 2-20021/1394     | 03/10/76       | 80            | 5750                               | 3845N        | 11053E       | 37.2              | 136.4               | GGGG                 | 136                   | 33                     |
| 2413-02331        | 00000/0000                                     | 2-20021/1395     | 03/10/76       | 100           | 5750                               | 3719N        | 11025E       | 38.0              | 135.3               | GGGG                 | 136                   | 34                     |
| 2413-02333        | 00000/0000                                     | 2-20021/1396     | 03/10/76       | 100           | 5750                               | 3553N        | 10958E       | 38.8              | 134.1               | GGGG                 | 136                   | 35                     |
| 2413-02340        | 00000/0000                                     | 2-20021/1397     | 03/10/76       | 100           | 5750                               | 3427N        | 10931E       | 39.6              | 132.9               | GGGG                 | 136                   | 36                     |
| 2413-02342        | 00000/0000                                     | 2-20021/1398     | 03/10/76       | 90            | 5750                               | 3302N        | 10905E       | 40.3              | 131.7               | GGGG                 | 136                   | 37                     |
| 2413-02345        | 00000/0000                                     | 2-20021/1399     | 03/10/76       | 100           | 5750                               | 3136N        | 10840E       | 41.1              | 130.4               | GGGG                 | 136                   | 38                     |
| 2413-02351        | 00000/0000                                     | 2-20021/1400     | 03/10/76       | 100           | 5750                               | 3011N        | 10816E       | 41.8              | 129.1               | GGGG                 | 136                   | 39                     |
| 2413-02354        | 00000/0000                                     | 2-20021/1401     | 03/10/76       | 100           | 5750                               | 2845N        | 10751E       | 42.5              | 127.8               | GGGG                 | 136                   | 40                     |
| 2413-02360        | 00000/0000                                     | 2-20021/1402     | 03/10/76       | 90            | 5750                               | 2719N        | 10728E       | 43.1              | 126.5               | GGGG                 | 136                   | 41                     |
| 2413-02363        | 00000/0000                                     | 2-20021/1403     | 03/10/76       | 50            | 5750                               | 2553N        | 10705E       | 43.8              | 125.1               | GGGG                 | 136                   | 42                     |
| 2413-02365        | 00000/0000                                     | 2-20021/1404     | 03/10/76       | 50            | 5750                               | 2427N        | 10642E       | 44.4              | 123.7               | GGGG                 | 136                   | 43                     |
| 2413-02415        | 00000/0000                                     | 2-20021/1405     | 03/10/76       | 50            | 5750                               | 0710N        | 10229E       | 48.9              | 104.7               | GGGG                 | 136                   | 55                     |
| 2413-02422        | 00000/0000                                     | 2-20021/1406     | 03/10/76       | 50            | 5750                               | 0543N        | 10208E       | 49.0              | 103.0               | GGGG                 | 136                   | 56                     |
| 2413-02424        | 00000/0000                                     | 2-20021/1407     | 03/10/76       | 70            | 5750                               | 0417N        | 10148E       | 49.1              | 101.3               | GGGG                 | 136                   | 57                     |
| 2413-02431        | 00000/0000                                     | 2-20021/1408     | 03/10/76       | 90            | 5750                               | 0250N        | 10128E       | 49.2              | 99.6                | GGGG                 | 136                   | 58                     |
| 2413-04142        | 00000/0000                                     | 2-20021/1409     | 03/10/76       | 10            | 5751                               | 4425N        | 08707E       | 33.7              | 140.8               | GGGG                 | 154                   | 29                     |
| 2413-04144        | 00000/0000                                     | 2-20021/1410     | 03/10/76       | 0             | 5751                               | 4300N        | 08635E       | 34.6              | 139.7               | GGGG                 | 154                   | 30                     |
| 2413-04151        | 00000/0000                                     | 2-20021/1411     | 03/10/76       | 40            | 5751                               | 4135N        | 08404E       | 35.5              | 138.6               | GGGG                 | 154                   | 31                     |
| 2413-04192        | 00000/0000                                     | 2-20021/1412     | 03/10/76       | 0             | 5751                               | 2719N        | 08138E       | 43.2              | 126.4               | GGGG                 | 154                   | 41                     |
| 2413-04194        | 00000/0000                                     | 2-20021/1413     | 03/10/76       | 0             | 5751                               | 2553N        | 08115E       | 43.8              | 125.1               | GGGG                 | 154                   | 42                     |
| 2413-04201        | 00000/0000                                     | 2-20021/1414     | 03/10/76       | 0             | 5751                               | 2427N        | 08051E       | 44.4              | 123.7               | GGGG                 | 154                   | 43                     |
| 2413-04203        | 00000/0000                                     | 2-20021/1415     | 03/10/76       | 0             | 5751                               | 2300N        | 08029E       | 45.0              | 122.2               | GGGG                 | 154                   | 44                     |
| 2413-04210        | 00000/0000                                     | 2-20021/1416     | 03/10/76       | 0             | 5751                               | 2134N        | 08006E       | 45.5              | 120.8               | GGGG                 | 154                   | 45                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION IO LISTING  
FOR NNN-US  
FROM 01/21/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | LONG  | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>MSS | MSS<br>DATA | MSS<br>IMAGE | ORBIT<br>PATH | FRAME<br>ROW |
|-------------------|------------------------------------------------|------------------|-------------|-----------------|------------------------------------|-------|--------------|--------------|-------------------|------------|-------------|--------------|---------------|--------------|
|                   |                                                |                  |             |                 |                                    |       |              |              | 123               | 45678      | MODE        | GAIN         | NUMBER        | NUMBER       |
| 2413-04212        | 00000/0000                                     | 2-20021/1417     | 03/10/76    | 0               | 5751                               | 2008N | 07945E       | 46.0         | 119.3             |            |             |              |               |              |
| 2413-05580        | 00000/0000                                     | 2-20021/1487     | 03/10/76    | 10              | 5752                               | 4300N | 06046E       | 34.7         | 139.7             | GGGG       |             |              | 154           | 46           |
| 2413-05583        | 00000/0000                                     | 2-20021/1488     | 03/10/76    | 20              | 5752                               | 4135N | 06015E       | 35.5         | 138.6             | GGGG       |             |              | 172           | 30           |
| 2413-06024        | 00000/0000                                     | 2-20021/1489     | 03/10/76    | 60              | 5752                               | 2718N | 05550E       | 43.2         | 126.4             | GGGG       |             |              | 172           | 31           |
| 2413-06030        | 00000/0000                                     | 2-20021/1490     | 03/10/76    | 70              | 5752                               | 2552N | 05526E       | 43.8         | 125.0             | GGGG       |             |              | 172           | 41           |
| 2413-07380        | 00000/0000                                     | 2-20021/1491     | 03/10/76    | 0               | 5753                               | 5420N | 04000E       | 27.2         | 148.3             | GGGG       |             |              | 172           | 42           |
| 2413-07382        | 00000/0000                                     | 2-20021/1492     | 03/10/76    | 0               | 5753                               | 5256N | 03915E       | 28.1         | 147.2             | GGGG       |             |              | 190           | 22           |
| 2413-07385        | 00000/0000                                     | 2-20021/1493     | 03/10/76    | 0               | 5753                               | 5132N | 03833E       | 29.1         | 146.1             | GGGG       |             |              | 190           | 23           |
| 2413-07391        | 00000/0000                                     | 2-20021/1494     | 03/10/76    | 0               | 5753                               | 5007N | 03752E       | 30.1         | 145.1             | GGGG       |             |              | 190           | 24           |
| 2413-07394        | 00000/0000                                     | 2-20021/1495     | 03/10/76    | 0               | 5753                               | 4843N | 03714E       | 31.0         | 144.0             | GGGG       |             |              | 190           | 25           |
| 2413-07400        | 00000/0000                                     | 2-20021/1496     | 03/10/76    | 0               | 5753                               | 4719N | 03637E       | 31.9         | 143.0             | GGGG       |             |              | 190           | 26           |
| 2413-07512        | 00000/0000                                     | 2-20021/1497     | 03/10/76    | 50              | 5753                               | 0849N | 02523E       | 48.8         | 106.3             | GGGG       |             |              | 190           | 27           |
| 2413-07514        | 00000/0000                                     | 2-20021/1498     | 03/10/76    | 70              | 5753                               | 0713N | 02503E       | 49.0         | 104.6             | GGGG       |             |              | 190           | 54           |
| 2413-09323        | 00000/0000                                     | 2-20021/1433     | 03/10/76    | 0               | 5754                               | 1552N | 00116E       | 47.4         | 114.5             | GGGG       |             |              | 190           | 55           |
| 2413-09343        | 00000/0000                                     | 2-20021/1434     | 03/10/76    | 40              | 5754                               | 0839N | 00026W       | 48.8         | 106.3             | GGGG       |             |              | 208           | 49           |
| 2413-13101        | 00000/0000                                     | 2-20021/1435     | 03/10/76    | 10              | 5756                               | 2306S | 05936W       | 42.9         | 72.8              | GGGG       |             |              | 208           | 54           |
| 2413-13104        | 00000/0000                                     | 2-20021/1436     | 03/10/76    | 0               | 5756                               | 2433S | 05959W       | 42.2         | 71.8              | GGGG       |             |              | 244           | 76           |
| 2413-13110        | 00000/0000                                     | 2-20021/1437     | 03/10/76    | 10              | 5756                               | 2559S | 06022W       | 41.5         | 70.7              | GGGG       |             |              | 244           | 77           |
| 2413-13163        | 00000/0000                                     | 2-20021/1438     | 03/10/76    | 100             | 5756                               | 4432S | 06614W       | 30.5         | 62.0              | GGGG       |             |              | 244           | 78           |
| 2413-13165        | 00000/0000                                     | 2-20021/1439     | 03/10/76    | 90              | 5756                               | 4557S | 06648W       | 29.6         | 61.7              | GGGG       |             |              | 244           | 91           |
| 2413-13172        | 00000/0000                                     | 2-20021/1440     | 03/10/76    | 90              | 5756                               | 4721S | 06723W       | 28.6         | 61.4              | GGGG       |             |              | 244           | 92           |
| 2413-13174        | 00000/0000                                     | 2-20021/1441     | 03/10/76    | 0               | 5756                               | 4846S | 06800W       | 27.7         | 61.2              | GGGG       |             |              | 244           | 93           |
| 2413-13181        | 00000/0000                                     | 2-20021/1442     | 03/10/76    | 50              | 5756                               | 5011S | 06838W       | 26.7         | 61.1              | GGGG       |             |              | 244           | 94           |
| 2413-13183        | 00000/0000                                     | 2-20021/1443     | 03/10/76    | 30              | 5756                               | 5136S | 06919W       | 25.7         | 61.0              | GGGG       |             |              | 244           | 95           |
| 2413-14321        | 00000/0000                                     | 2-20021/1418     | 03/10/76    | 20              | 5757                               | 5006N | 06523W       | 30.2         | 145.0             | GGGG       |             |              | 11            | 25           |
| 2413-14324        | 00000/0000                                     | 2-20021/1419     | 03/10/76    | 40              | 5757                               | 4841N | 06401W       | 31.1         | 144.0             | GGGG       |             |              | 11            | 26           |
| 2413-14353        | 00000/0000                                     | 2-20021/1420     | 03/10/76    | 90              | 5757                               | 3846N | 06948W       | 37.4         | 136.3             | GGGG       |             |              | 11            | 33           |
| 2413-14360        | 00000/0000                                     | 2-20021/1421     | 03/10/76    | 90              | 5757                               | 3720N | 07016W       | 38.2         | 135.2             | GGGG       |             |              | 11            | 34           |
| 2413-14362        | 00000/0000                                     | 2-20021/1422     | 03/10/76    | 90              | 5757                               | 3555N | 07044W       | 39.0         | 134.0             | GGGG       |             |              | 11            | 35           |
| 2413-14365        | 00000/0000                                     | 2-20021/1423     | 03/10/76    | 80              | 5757                               | 3429N | 07111W       | 39.8         | 132.8             | GGGG       |             |              | 11            | 36           |
| 2413-14371        | 00000/0000                                     | 2-20021/1424     | 03/10/76    | 80              | 5757                               | 3303N | 07137W       | 40.5         | 131.5             | GGGG       |             |              | 11            | 37           |
| 2413-14380        | 00000/0000                                     | 2-20021/1425     | 03/10/76    | 100             | 5757                               | 3011N | 07227W       | 42.0         | 129.0             | GGGG       |             |              | 11            | 39           |
| 2413-14383        | 00000/0000                                     | 2-20021/1426     | 03/10/76    | 80              | 5757                               | 2846N | 07252W       | 42.6         | 127.7             | GGGG       |             |              | 11            | 40           |
| 2413-14385        | 00000/0000                                     | 2-20021/1427     | 03/10/76    | 70              | 5757                               | 2719N | 07315W       | 43.3         | 126.3             | GGGG       |             |              | 11            | 41           |
| 2413-14392        | 00000/0000                                     | 2-20021/1428     | 03/10/76    | 30              | 5757                               | 2553N | 07338W       | 43.9         | 124.9             | GGGG       |             |              | 11            | 42           |
| 2413-16151        | 00000/0000                                     | 2-20021/1429     | 03/10/76    | 0               | 5758                               | 5130N | 09035W       | 29.3         | 146.1             | GGGG       |             |              | 29            | 24           |

KEYS: CLOUD COVER 4 ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2413-16153        | 00000/0000                   | 2-20021/1430                | 03/10/76         | 0              | 5758            | 5006N                        | 09114W        | 30.2         | 145.0        | GGGG                               |                     |                      | 29                      | 25                     |
| 2413-16230        | 00000/0000                   | 2-20021/1431                | 03/10/76         | 70             | 5758            | 2428N                        | 09950W        | 44.5         | 123.5        | GGGG                               |                     |                      | 29                      | 43                     |
| 2413-18035        | 00000/0000                   | 2-20022/0031                | 03/10/76         | 90             | 5759            | 3303N                        | 12314W        | 40.6         | 131.5        | GGGG                               |                     |                      | 47                      | 37                     |
| 2413-21184        | 00000/0000                   | 2-20021/1432                | 03/10/76         | 20             | 5761            | 7148N                        | 14912W        | 14.0         | 167.8        | FGGG                               |                     |                      | 83                      | 9                      |
| 2414-02374        | 00000/0000                   | 2-20021/1456                | 03/11/76         | 0              | 5764            | 4137N                        | 11027E        | 35.8         | 138.5        | GGGG                               |                     |                      | 137                     | 31                     |
| 2414-02380        | 00000/0000                   | 2-20021/1457                | 03/11/76         | 10             | 5764            | 4012N                        | 10957E        | 36.7         | 137.4        | GGGG                               |                     |                      | 137                     | 32                     |
| 2414-02383        | 00000/0000                   | 2-20021/1458                | 03/11/76         | 10             | 5764            | 3846N                        | 10927E        | 37.5         | 136.2        | FGGG                               |                     |                      | 137                     | 33                     |
| 2414-02385        | 00000/0000                   | 2-20021/1459                | 03/11/76         | 0              | 5764            | 3720N                        | 10859E        | 38.3         | 135.1        | GGGG                               |                     |                      | 137                     | 34                     |
| 2414-02392        | 00000/0000                   | 2-20021/1460                | 03/11/76         | 10             | 5764            | 3554N                        | 10832E        | 39.1         | 133.9        | FGGG                               |                     |                      | 137                     | 35                     |
| 2414-02394        | 00000/0000                   | 2-20021/1461                | 03/11/76         | 60             | 5764            | 3429N                        | 10806E        | 39.9         | 132.7        | FGGF                               |                     |                      | 137                     | 36                     |
| 2414-02401        | 00000/0000                   | 2-20021/1462                | 03/11/76         | 100            | 5764            | 3303N                        | 10740E        | 40.7         | 131.4        | GGGG                               |                     |                      | 137                     | 37                     |
| 2414-02403        | 00000/0000                   | 2-20021/1463                | 03/11/76         | 100            | 5764            | 3178N                        | 10714E        | 41.4         | 130.2        | GGGG                               |                     |                      | 137                     | 38                     |
| 2414-02410        | 00000/0000                   | 2-20021/1464                | 03/11/76         | 100            | 5764            | 3012N                        | 10650E        | 42.1         | 128.9        | FGGF                               |                     |                      | 137                     | 39                     |
| 2414-02412        | 00000/0000                   | 2-20021/1465                | 03/11/76         | 100            | 5764            | 2846N                        | 10625E        | 42.8         | 127.5        | GGGG                               |                     |                      | 137                     | 40                     |
| 2414-02415        | 00000/0000                   | 2-20021/1466                | 03/11/76         | 90             | 5764            | 2720N                        | 10602E        | 43.4         | 126.2        | GGGG                               |                     |                      | 137                     | 41                     |
| 2414-02421        | 00000/0000                   | 2-20021/1467                | 03/11/76         | 40             | 5764            | 2554N                        | 10539E        | 44.1         | 124.8        | GGGG                               |                     |                      | 137                     | 42                     |
| 2414-02430        | 00000/0000                   | 2-20021/1468                | 03/11/76         | 0              | 5764            | 2302N                        | 10454E        | 45.2         | 121.9        | GGGG                               |                     |                      | 137                     | 44                     |
| 2414-02403        | 00000/0000                   | 2-20021/1469                | 03/11/76         | 30             | 5765            | 4302N                        | 08510E        | 35.0         | 139.6        | GGGG                               |                     |                      | 155                     | 30                     |
| 2414-02444        | 00000/0000                   | 2-20021/1470                | 03/11/76         | 10             | 5765            | 2847N                        | 08037E        | 42.8         | 127.5        | GGGG                               |                     |                      | 155                     | 40                     |
| 2414-02450        | 00000/0000                   | 2-20021/1471                | 03/11/76         | 10             | 5765            | 2721N                        | 08013E        | 43.5         | 126.1        | GGGG                               |                     |                      | 155                     | 41                     |
| 2414-02464        | 00000/0000                   | 2-20021/1472                | 03/11/76         | 10             | 5765            | 2136N                        | 07842E        | 45.8         | 120.4        | GGGG                               |                     |                      | 155                     | 45                     |
| 2414-02473        | 00000/0000                   | 2-20021/1473                | 03/11/76         | 0              | 5765            | 1843N                        | 07758E        | 46.8         | 117.3        | GGGG                               |                     |                      | 155                     | 47                     |
| 2414-02434        | 00000/0000                   | 2-20021/1475                | 03/11/76         | 50             | 5766            | 4301N                        | 05918E        | 35.0         | 139.6        | FFFF                               |                     |                      | 173                     | 30                     |
| 2414-02420        | 00000/0000                   | 2-20021/1444                | 03/11/76         | 70             | 5767            | 5955N                        | 04204E        | 23.5         | 152.8        | GGGG                               |                     |                      | 191                     | 18                     |
| 2414-02422        | 00000/0000                   | 2-20021/1445                | 03/11/76         | 70             | 5767            | 5832N                        | 04107E        | 24.5         | 151.6        | GGGG                               |                     |                      | 191                     | 19                     |
| 2414-02425        | 00000/0000                   | 2-20021/1446                | 03/11/76         | 50             | 5767            | 5709N                        | 04013E        | 25.6         | 150.5        | GGGG                               |                     |                      | 191                     | 20                     |
| 2414-02431        | 00000/0000                   | 2-20021/1447                | 03/11/76         | 20             | 5767            | 5546N                        | 03924E        | 26.6         | 149.3        | GGGG                               |                     |                      | 191                     | 21                     |
| 2414-02434        | 00000/0000                   | 2-20021/1448                | 03/11/76         | 10             | 5767            | 5422N                        | 03837E        | 27.5         | 148.2        | GGGG                               |                     |                      | 191                     | 22                     |
| 2414-02440        | 00000/0000                   | 2-20021/1449                | 03/11/76         | 10             | 5767            | 5258N                        | 03752E        | 28.5         | 147.1        | GGGG                               |                     |                      | 191                     | 23                     |
| 2414-02443        | 00000/0000                   | 2-20021/1450                | 03/11/76         | 10             | 5767            | 5134N                        | 03709E        | 29.5         | 146.1        | GGGG                               |                     |                      | 191                     | 24                     |
| 2414-02445        | 00000/0000                   | 2-20021/1451                | 03/11/76         | 10             | 5767            | 5010N                        | 03628E        | 30.4         | 145.0        | GGGG                               |                     |                      | 191                     | 25                     |
| 2414-02452        | 00000/0000                   | 2-20021/1452                | 03/11/76         | 0              | 5767            | 4845N                        | 03549E        | 31.4         | 143.9        | GGGG                               |                     |                      | 191                     | 26                     |
| 2414-02454        | 00000/0000                   | 2-20021/1453                | 03/11/76         | 20             | 5767            | 4720N                        | 03512E        | 32.3         | 142.9        | GGGG                               |                     |                      | 191                     | 27                     |
| 2414-02461        | 00000/0000                   | 2-20021/1454                | 03/11/76         | 10             | 5767            | 4555N                        | 03437E        | 33.2         | 141.8        | GGGG                               |                     |                      | 191                     | 28                     |
| 2414-02463        | 00000/0000                   | 2-20021/1455                | 03/11/76         | 10             | 5767            | 4430N                        | 03403E        | 34.1         | 140.7        | GGGG                               |                     |                      | 191                     | 29                     |
| 2414-02433        | 00000/0000                   | 2-20021/1476                | 03/11/76         | 30             | 5768            | 6520N                        | 02101E        | 19.4         | 158.3        | GGGG                               |                     |                      | 209                     | 14                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NMN-US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|-----------------|------------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2414-09240        | 00000/0000                           | 2-20021/1477     | 03/11/76         | 20             | 5768            | 6359N                              | 01941E        | 20.5         | 156.8        | GGGG                  |                     |                      | 209                     | 15                     |
| 2414-09281        | 00000/0000                           | 2-20021/1478     | 03/11/76         | 0              | 5768            | 5007N                              | 01040E        | 30.5         | 145.0        | GGGG                  |                     |                      | 209                     | 25                     |
| 2414-09283        | 00000/0000                           | 2-20021/1479     | 03/11/76         | 10             | 5768            | 4843N                              | 01001E        | 31.4         | 143.9        | GGGG                  |                     |                      | 209                     | 26                     |
| 2414-09290        | 00000/0000                           | 2-20021/1480     | 03/11/76         | 0              | 5768            | 4718N                              | 00925E        | 32.3         | 142.8        | GGGG                  |                     |                      | 209                     | 27                     |
| 2414-11462        | 00000/0000                           | 2-20021/1481     | 03/11/76         | 10             | 5769            | 6921S                              | 05929W        | 11.8         | 68.0         | GGGG                  |                     |                      | 227                     | 109                    |
| 2414-13155        | 00000/0000                           | 2-20021/1482     | 03/11/76         | 10             | 5770            | 2302S                              | 06059W        | 42.8         | 72.4         | FFFF                  |                     |                      | 245                     | 76                     |
| 2414-13162        | 00000/0000                           | 2-20021/1483     | 03/11/76         | 10             | 5770            | 2428S                              | 06122W        | 42.1         | 71.3         | FFFF                  |                     |                      | 245                     | 77                     |
| 2414-13164        | 00000/0000                           | 2-20021/1484     | 03/11/76         | 0              | 5770            | 2555S                              | 06146W        | 41.4         | 70.3         | GGGG                  |                     |                      | 245                     | 78                     |
| 2414-13171        | 00000/0000                           | 2-20021/1485     | 03/11/76         | 0              | 5770            | 2721S                              | 06209W        | 40.7         | 69.3         | GGGG                  |                     |                      | 245                     | 79                     |
| 2414-14380        | 00000/0000                           | 2-20021/1174     | 03/11/76         | 40             | 5771            | 5011N                              | 06646W        | 30.5         | 145.0        | GGGG                  |                     |                      | 12                      | 25                     |
| 2414-14382        | 00000/0000                           | 2-20021/1175     | 03/11/76         | 40             | 5771            | 4846N                              | 06724W        | 31.5         | 143.9        | GGGG                  |                     |                      | 12                      | 26                     |
| 2414-14423        | 00000/0000                           | 2-20021/1176     | 03/11/76         | 40             | 5771            | 3435N                              | 07234W        | 40.1         | 132.6        | GGGG                  |                     |                      | 12                      | 36                     |
| 2414-14430        | 00000/0000                           | 2-20021/1177     | 03/11/76         | 60             | 5771            | 3309N                              | 07301W        | 40.8         | 131.3        | GGGG                  |                     |                      | 12                      | 37                     |
| 2414-14432        | 00000/0000                           | 2-20021/1178     | 03/11/76         | 40             | 5771            | 3143N                              | 07326W        | 41.5         | 130.1        | GGGG                  |                     |                      | 12                      | 38                     |
| 2414-14435        | 00000/0000                           | 2-20021/1179     | 03/11/76         | 30             | 5771            | 3017N                              | 07351W        | 42.2         | 128.8        | GGGG                  |                     |                      | 12                      | 39                     |
| 2414-14441        | 00000/0000                           | 2-20021/1180     | 03/11/76         | 30             | 5771            | 2850N                              | 07415W        | 42.9         | 127.4        | FGGG                  |                     |                      | 12                      | 40                     |
| 2414-14444        | 00000/0000                           | 2-20021/1184     | 03/11/76         | 40             | 5771            | 2724N                              | 07439W        | 43.6         | 126.1        | GF                    |                     |                      | 12                      | 41                     |
| 2414-14450        | 00000/0000                           | 2-20021/1181     | 03/11/76         | 70             | 5771            | 2559N                              | 07502W        | 44.2         | 124.7        | GGGG                  | H                   |                      | 12                      | 42                     |
| 2414-14453        | 00000/0000                           | 2-20021/1182     | 03/11/76         | 30             | 5771            | 2433N                              | 07525W        | 44.8         | 123.2        | FGGG                  | H                   |                      | 12                      | 43                     |
| 2414-14455        | 00000/0000                           | 2-20021/1183     | 03/11/76         | 30             | 5771            | 2306N                              | 07548W        | 45.4         | 121.8        | FGGG                  | H                   |                      | 12                      | 44                     |
| 2414-14462        | 00000/0000                           | 2-20021/1486     | 03/11/76         | 10             | 5771            | 2140N                              | 07610W        | 45.9         | 120.3        | GGGG                  | H                   |                      | 12                      | 45                     |
| 2414-21242        | 00000/0000                           | 2-20021/1474     | 03/11/76         | 10             | 5775            | 7152N                              | 15033W        | 14.3         | 168.0        | FGGG                  |                     |                      | 84                      | 9                      |
| 2415-02443        | 00000/0000                           | 2-20021/1499     | 03/12/76         | 10             | 5778            | 3722N                              | 10735E        | 38.7         | 134.9        | FF G                  |                     |                      | 138                     | 34                     |
| 2415-02450        | 00000/0000                           | 2-20021/1500     | 03/12/76         | 10             | 5778            | 3556N                              | 10708E        | 39.5         | 133.7        | FFGF                  |                     |                      | 138                     | 35                     |
| 2415-02452        | 00000/0000                           | 2-20021/1501     | 03/12/76         | 30             | 5778            | 3431N                              | 10642E        | 40.3         | 132.4        | GGGG                  |                     |                      | 138                     | 36                     |
| 2415-02455        | 00000/0000                           | 2-20021/1502     | 03/12/76         | 60             | 5778            | 3305N                              | 10616E        | 41.0         | 131.2        | FFFF                  |                     |                      | 138                     | 37                     |
| 2415-02461        | 00000/0000                           | 2-20021/1503     | 03/12/76         | 80             | 5778            | 3139N                              | 10551E        | 41.7         | 129.9        | FFFF                  |                     |                      | 138                     | 38                     |
| 2415-02464        | 00000/0000                           | 2-20021/1504     | 03/12/76         | 90             | 5778            | 3014N                              | 10526E        | 42.4         | 128.6        | FFFF                  |                     |                      | 138                     | 39                     |
| 2415-02470        | 00000/0000                           | 2-20021/1505     | 03/12/76         | 80             | 5778            | 2848N                              | 10502E        | 43.1         | 127.2        | FFFF                  |                     |                      | 138                     | 40                     |
| 2415-02473        | 00000/0000                           | 2-20021/1506     | 03/12/76         | 80             | 5778            | 2722N                              | 10438E        | 43.8         | 125.9        | FFFF                  |                     |                      | 138                     | 41                     |
| 2415-02475        | 00000/0000                           | 2-20021/1507     | 03/12/76         | 40             | 5778            | 2557N                              | 10414E        | 44.4         | 124.5        | GGGG                  |                     |                      | 138                     | 42                     |
| 2415-02482        | 00000/0000                           | 2-20021/1508     | 03/12/76         | 10             | 5778            | 2431N                              | 10351E        | 45.0         | 123.0        | FGGG                  |                     |                      | 138                     | 43                     |
| 2415-02484        | 00000/0000                           | 2-20021/1509     | 03/12/76         | 10             | 5778            | 2304N                              | 10328E        | 45.5         | 121.5        | FGGG                  |                     |                      | 138                     | 44                     |
| 2415-04261        | 00000/0000                           | 2-20021/1510     | 03/12/76         | 10             | 5779            | 4306N                              | 08345E        | 35.3         | 139.5        | FFFF                  |                     |                      | 156                     | 30                     |
| 2415-04263        | 00000/0000                           | 2-20021/1511     | 03/12/76         | 20             | 5779            | 4141N                              | 08315E        | 36.2         | 138.4        | FFFF                  |                     |                      | 156                     | 31                     |
| 2415-04304        | 00000/0000                           | 2-20021/1512     | 03/12/76         | 10             | 5779            | 2725N                              | 07447E        | 43.8         | 125.9        | FGGG                  |                     |                      | 156                     | 41                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2415-04313        | 00000/0000                   | 2-20021/1513                | 03/12/76         | 0              | 5779                   | 2433N                        | 07401E        | 45.0         | 123.0        | FGGG                  |                     |                      | 156                     | 43                     |
| 2415-04320        | 00000/0000                   | 2-20021/1514                | 03/12/76         | 0              | 5779                   | 2307N                        | 07739E        | 45.5         | 121.6        | GG G                  |                     |                      | 156                     | 44                     |
| 2415-04340        | 00000/0000                   | 2-20021/1515                | 03/12/76         | 10             | 5779                   | 1554N                        | 07551E        | 47.8         | 113.8        | GGGG                  |                     |                      | 156                     | 49                     |
| 2415-04343        | 00000/0000                   | 2-20021/1516                | 03/12/76         | 0              | 5779                   | 1428N                        | 07530E        | 48.1         | 112.1        | GGGG                  |                     |                      | 156                     | 50                     |
| 2415-04395        | 00000/0000                   | 2-20021/1517                | 03/12/76         | 50             | 5779                   | 0417S                        | 07109E        | 48.8         | 90.1         | FFFF                  |                     | H                    | 156                     | 63                     |
| 2415-04402        | 00000/0000                   | 2-20021/1518                | 03/12/76         | 40             | 5779                   | 0543S                        | 07049E        | 48.6         | 88.5         | FFGG                  |                     | H                    | 156                     | 64                     |
| 2415-04404        | 00000/0000                   | 2-20021/1519                | 03/12/76         | 40             | 5779                   | 0710S                        | 07028E        | 48.3         | 86.9         | FGGG                  |                     | H                    | 156                     | 65                     |
| 2415-04411        | 00000/0000                   | 2-20021/1520                | 03/12/76         | 40             | 5779                   | 0836S                        | 07008E        | 47.9         | 85.3         | FFGF                  |                     | H                    | 156                     | 66                     |
| 2415-07435        | 00000/0000                   | 2-20022/0087                | 03/12/76         | 0              | 5781                   | 7154N                        | 05436E        | 14.5         | 168.0        | GGGG                  |                     |                      | 192                     | 9                      |
| 2415-07483        | 00000/0000                   | 2-20022/0088                | 03/12/76         | 10             | 5781                   | 5710N                        | 05440E        | 25.9         | 150.4        | GGFG                  |                     |                      | 192                     | 20                     |
| 2415-07485        | 00000/0000                   | 2-20022/0089                | 03/12/76         | 10             | 5781                   | 5547N                        | 03758E        | 26.9         | 149.3        | GFGG                  |                     |                      | 192                     | 21                     |
| 2415-07492        | 00000/0000                   | 2-20022/0090                | 03/12/76         | 10             | 5781                   | 5424N                        | 03710E        | 27.9         | 148.2        | GFGG                  |                     |                      | 192                     | 22                     |
| 2415-07510        | 00000/0000                   | 2-20022/0091                | 03/12/76         | 10             | 5781                   | 4846N                        | 03423E        | 31.7         | 143.8        | GGGG                  |                     |                      | 192                     | 26                     |
| 2415-07512        | 00000/0000                   | 2-20022/0092                | 03/12/76         | 10             | 5781                   | 4721N                        | 03346E        | 32.7         | 142.7        | GGGG                  |                     |                      | 192                     | 27                     |
| 2415-08015        | 00000/0000                   | 2-20022/0093                | 03/12/76         | 20             | 5781                   | 1135N                        | 02311E        | 48.7         | 108.7        | FGGG                  |                     |                      | 192                     | 52                     |
| 2415-08021        | 00000/0000                   | 2-20022/0094                | 03/12/76         | 60             | 5781                   | 1009N                        | 02251E        | 49.0         | 107.0        | GGGG                  |                     |                      | 192                     | 53                     |
| 2415-08024        | 00000/0000                   | 2-20022/0095                | 03/12/76         | 40             | 5781                   | 0842N                        | 02230E        | 49.1         | 105.3        | GFGG                  |                     |                      | 192                     | 54                     |
| 2415-08030        | 00000/0000                   | 2-20022/0096                | 03/12/76         | 30             | 5781                   | 0715N                        | 02210E        | 49.3         | 103.6        | GGGG                  |                     |                      | 192                     | 55                     |
| 2415-08033        | 00000/0000                   | 2-20022/0097                | 03/12/76         | 30             | 5781                   | 0549N                        | 02150E        | 49.4         | 101.9        | GGGG                  |                     |                      | 192                     | 56                     |
| 2415-09294        | 00000/0000                   | 2-20022/0098                | 03/12/76         | 30             | 5782                   | 6401N                        | 01413E        | 20.9         | 156.8        | GGFG                  |                     |                      | 210                     | 15                     |
| 2415-09324        | 00000/0000                   | 2-20022/0032                | 03/12/76         | 20             | 5782                   | 5422N                        | 01122E        | 27.9         | 148.2        | G G                   |                     |                      | 210                     | 22                     |
| 2415-09330        | 00000/0000                   | 2-20022/0033                | 03/12/76         | 20             | 5782                   | 5258N                        | 01036E        | 28.9         | 147.1        | GGGG                  |                     |                      | 210                     | 23                     |
| 2415-09333        | 00000/0000                   | 2-20022/0034                | 03/12/76         | 50             | 5782                   | 5133N                        | 00953E        | 29.9         | 146.0        | GGGG                  |                     |                      | 210                     | 24                     |
| 2415-09335        | 00000/0000                   | 2-20022/0060                | 03/12/76         | 50             | 5782                   | 5009N                        | 00912E        | 30.8         | 144.9        | FGGG                  |                     |                      | 210                     | 25                     |
| 2415-09342        | 00000/0000                   | 2-20022/0061                | 03/12/76         | 40             | 5782                   | 4844N                        | 00834E        | 31.8         | 143.8        | GGGG                  |                     |                      | 210                     | 26                     |
| 2415-09344        | 00000/0000                   | 2-20022/0062                | 03/12/76         | 50             | 5782                   | 4720N                        | 00757E        | 32.7         | 142.7        | GGGG                  |                     |                      | 210                     | 27                     |
| 2415-13211        | 00000/0000                   | 2-20022/0063                | 03/12/76         | 80             | 5784                   | 2177S                        | 06204W        | 43.3         | 73.0         | GGGG                  |                     |                      | 246                     | 75                     |
| 2415-13214        | 00000/0000                   | 2-20022/0064                | 03/12/76         | 90             | 5784                   | 2304S                        | 06227W        | 42.6         | 71.9         | GGFG                  |                     |                      | 246                     | 76                     |
| 2415-13220        | 00000/0000                   | 2-20022/0065                | 03/12/76         | 100            | 5784                   | 2430S                        | 06250W        | 41.9         | 70.8         | FFFF                  |                     |                      | 246                     | 77                     |
| 2415-14370        | 00000/0000                   | 2-20022/0066                | 03/12/76         | 100            | 5785                   | 7154N                        | 04445W        | 14.6         | 168.0        | GGGF                  |                     |                      | 13                      | 9                      |
| 2415-14372        | 00000/0000                   | 2-20022/0067                | 03/12/76         | 100            | 5785                   | 7037N                        | 05101W        | 15.7         | 165.6        | GGFG                  |                     |                      | 13                      | 10                     |
| 2415-14375        | 00000/0000                   | 2-20022/0068                | 03/12/76         | 90             | 5785                   | 6920N                        | 05301W        | 16.8         | 163.5        | GGGG                  |                     |                      | 13                      | 11                     |
| 2415-14381        | 00000/0000                   | 2-20022/0069                | 03/12/76         | 80             | 5785                   | 6811N                        | 05448W        | 17.8         | 161.6        | GGGG                  |                     |                      | 13                      | 12                     |
| 2415-14384        | 00000/0000                   | 2-20022/0070                | 03/12/76         | 60             | 5785                   | 6642N                        | 05625W        | 18.9         | 159.9        | GGGG                  |                     |                      | 13                      | 13                     |
| 2415-14390        | 00000/0000                   | 2-20022/0071                | 03/12/76         | 50             | 5785                   | 6522N                        | 05753W        | 19.9         | 158.3        | GGGG                  |                     |                      | 13                      | 14                     |
| 2415-14434        | 00000/0000                   | 2-20021/1547                | 03/12/76         | 0              | 5785                   | 5009N                        | 06415W        | 30.9         | 144.9        | GGGG                  |                     |                      | 13                      | 25                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NPN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLBUD<br>COVER | SBBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2415-14440        | 00000/0000                   | 2-20021/1548                | 03/12/76         | 0              | 5785            | 4345N                        | 06R53W        | 31.9         | 143.8        | GGGG                               |                     |                      | 13                      | 26                     |
| 2415-14495        | 00000/0000                   | 2-20021/1553                | 03/12/76         | 20             | 5785            | 2849N                        | 07542W        | 49.3         | 127.1        | GG                                 |                     |                      | 13                      | 40                     |
| 2415-14502        | 00000/0000                   | 2-20021/1549                | 03/12/76         | 30             | 5785            | 2723N                        | 07606W        | 43.9         | 125.7        | GGGG                               | H                   |                      | 13                      | 41                     |
| 2415-14504        | 00000/0000                   | 2-20021/1550                | 03/12/76         | 30             | 5785            | 2557N                        | 07629W        | 44.5         | 124.3        | GGGG                               | H                   |                      | 13                      | 42                     |
| 2415-14511        | 00000/0000                   | 2-20021/1551                | 03/12/76         | 30             | 5785            | 2431N                        | 07452W        | 45.1         | 122.8        | FGGG                               | H                   |                      | 13                      | 43                     |
| 2415-14513        | 00000/0000                   | 2-20021/1552                | 03/12/76         | 30             | 5785            | 2305N                        | 07714W        | 45.7         | 121.4        | GGGG                               | H                   |                      | 13                      | 44                     |
| 2415-14520        | 00000/0000                   | 2-20022/0072                | 03/12/76         | 40             | 5785            | 2138N                        | 07736W        | 46.2         | 119.9        | GGGG                               | H                   |                      | 13                      | 45                     |
| 2415-16265        | 00000/0000                   | 2-20021/1584                | 03/12/76         | 30             | 5786            | 5010N                        | 09403W        | 31.0         | 144.8        | GGGG                               |                     |                      | 31                      | 25                     |
| 2415-23543        | 00000/0000                   | 2-20022/0035                | 03/12/76         | 0              | 5790            | 6800S                        | 12013E        | 12.4         | 66.3         | GGGG                               |                     |                      | 103                     | 108                    |
| 2416-01131        | 00000/0000                   | 2-20022/0036                | 03/13/76         | 30             | 5791            | 1553N                        | 12604E        | 48.0         | 113.3        | GGGG                               |                     |                      | 121                     | 49                     |
| 2416-01134        | 00000/0000                   | 2-20022/0037                | 03/13/76         | 30             | 5791            | 1427N                        | 12543E        | 48.3         | 111.7        | GGG                                |                     |                      | 121                     | 50                     |
| 2416-01140        | 00000/0000                   | 2-20022/0038                | 03/13/76         | 30             | 5791            | 1301N                        | 12423E        | 48.6         | 110.0        | GGGG                               |                     |                      | 121                     | 51                     |
| 2416-01143        | 00000/0000                   | 2-20022/0039                | 03/13/76         | 40             | 5791            | 1135N                        | 12502E        | 48.9         | 108.3        | GGGG                               |                     |                      | 121                     | 52                     |
| 2416-01145        | 00000/0000                   | 2-20022/0040                | 03/13/76         | 50             | 5791            | 1009N                        | 12441E        | 49.1         | 106.6        | GGGG                               |                     |                      | 121                     | 53                     |
| 2416-01152        | 00000/0000                   | 2-20022/0041                | 03/13/76         | 50             | 5791            | 0843N                        | 12421E        | 49.3         | 104.9        | GGGG                               |                     |                      | 121                     | 54                     |
| 2416-01154        | 00000/0000                   | 2-20022/0042                | 03/13/76         | 30             | 5791            | 0716N                        | 12400E        | 49.4         | 103.2        | GGGG                               |                     |                      | 121                     | 55                     |
| 2416-02490        | 00000/0000                   | 2-20022/0043                | 03/13/76         | 40             | 5792            | 4139N                        | 10735E        | 36.5         | 138.2        | GGGG                               |                     |                      | 139                     | 31                     |
| 2416-02492        | 00000/0000                   | 2-20022/0044                | 03/13/76         | 40             | 5792            | 4014N                        | 10705E        | 37.4         | 137.0        | GGGG                               |                     |                      | 139                     | 32                     |
| 2416-02495        | 00000/0000                   | 2-20022/0045                | 03/13/76         | 80             | 5792            | 3848N                        | 10637E        | 38.2         | 135.9        | GGGG                               |                     |                      | 139                     | 33                     |
| 2416-02501        | 00000/0000                   | 2-20022/0046                | 03/13/76         | 70             | 5792            | 3723N                        | 10609E        | 39.0         | 134.7        | GGGG                               |                     |                      | 139                     | 34                     |
| 2416-02504        | 00000/0000                   | 2-20022/0047                | 03/13/76         | 70             | 5792            | 3557N                        | 10542E        | 39.8         | 133.4        | GGGG                               |                     |                      | 139                     | 35                     |
| 2416-02510        | 00000/0000                   | 2-20022/0048                | 03/13/76         | 90             | 5792            | 3432N                        | 10515E        | 40.6         | 132.2        | GGGG                               |                     |                      | 139                     | 36                     |
| 2416-02513        | 00000/0000                   | 2-20022/0049                | 03/13/76         | 90             | 5792            | 3306N                        | 10450E        | 41.3         | 130.9        | GGGG                               |                     |                      | 139                     | 37                     |
| 2416-02515        | 00000/0000                   | 2-20022/0050                | 03/13/76         | 90             | 5792            | 3141N                        | 10424E        | 42.1         | 129.6        | GGGG                               |                     |                      | 139                     | 38                     |
| 2416-02522        | 00000/0000                   | 2-20022/0051                | 03/13/76         | 90             | 5792            | 3015N                        | 10359E        | 42.8         | 128.3        | GGGG                               |                     |                      | 139                     | 39                     |
| 2416-02524        | 00000/0000                   | 2-20022/0052                | 03/13/76         | 80             | 5792            | 2849N                        | 10335E        | 43.4         | 126.9        | GGGG                               |                     |                      | 139                     | 40                     |
| 2416-02531        | 00000/0000                   | 2-20022/0053                | 03/13/76         | 30             | 5792            | 2723N                        | 10311E        | 44.1         | 125.6        | GGGG                               |                     |                      | 139                     | 41                     |
| 2416-02533        | 00000/0000                   | 2-20022/0054                | 03/13/76         | 20             | 5792            | 2557N                        | 10248E        | 44.7         | 124.1        | GGGG                               |                     |                      | 139                     | 42                     |
| 2416-02540        | 00000/0000                   | 2-20022/0055                | 03/13/76         | 10             | 5792            | 2432N                        | 10225E        | 45.3         | 122.7        | GGGG                               |                     |                      | 139                     | 43                     |
| 2416-02542        | 00000/0000                   | 2-20022/0056                | 03/13/76         | 10             | 5792            | 2306N                        | 10203E        | 45.8         | 121.2        | GGGG                               |                     |                      | 139                     | 44                     |
| 2416-04322        | 00000/0000                   | 2-20022/0073                | 03/13/76         | 0              | 5793            | 4140N                        | 08148E        | 36.6         | 138.2        | FGGG                               |                     |                      | 157                     | 31                     |
| 2416-04324        | 00000/0000                   | 2-20022/0074                | 03/13/76         | 10             | 5793            | 4014N                        | 08118E        | 37.4         | 137.0        | FGGG                               |                     |                      | 157                     | 32                     |
| 2416-04331        | 00000/0000                   | 2-20022/0075                | 03/13/76         | 20             | 5793            | 3849N                        | 08049E        | 38.3         | 135.8        | FGGG                               |                     |                      | 157                     | 33                     |
| 2416-04333        | 00000/0000                   | 2-20022/0076                | 03/13/76         | 20             | 5793            | 3724N                        | 08020E        | 39.1         | 134.6        | FGGG                               |                     |                      | 157                     | 34                     |
| 2416-04354        | 00000/0000                   | 2-20022/0077                | 03/13/76         | 20             | 5793            | 3015N                        | 07810E        | 42.8         | 128.3        | GGGG                               |                     |                      | 157                     | 39                     |
| 2416-04360        | 00000/0000                   | 2-20022/0078                | 03/13/76         | 30             | 5793            | 2840N                        | 07746E        | 43.4         | 126.9        | GGGG                               |                     |                      | 157                     | 40                     |

KEYS: CLBUD COVER % ..... 0 TO 100 = % CLBUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2416-04363        | 00000/0000 2-20022/0079                        | 03/13/76         | 10             | 5793            | 2724N                              | 07722E                              | 44.1         | 125.5        | GGGG              |                     |                      | 157                     | 41                     |
| 2416-04365        | 00000/0000 2-20022/0080                        | 03/13/76         | 10             | 5793            | 2548N                              | 07659E                              | 44.7         | 124.1        | GGGG              |                     |                      | 157                     | 42                     |
| 2416-04372        | 00000/0000 2-20022/0081                        | 03/13/76         | 0              | 5793            | 2432N                              | 07636E                              | 45.3         | 122.6        | GFGG              |                     |                      | 157                     | 43                     |
| 2416-04374        | 00000/0000 2-20022/0082                        | 03/13/76         | 0              | 5793            | 2306N                              | 07613E                              | 45.8         | 121.2        | GGGG              |                     |                      | 157                     | 44                     |
| 2416-04381        | 00000/0000 2-20022/0083                        | 03/13/76         | 0              | 5793            | 2139N                              | 07551E                              | 46.3         | 119.6        | GGGG              |                     |                      | 157                     | 45                     |
| 2416-04383        | 00000/0000 2-20022/0084                        | 03/13/76         | 0              | 5793            | 2012N                              | 07529E                              | 46.8         | 118.1        | GGGG              |                     |                      | 157                     | 46                     |
| 2416-04390        | 00000/0000 2-20022/0085                        | 03/13/76         | 10             | 5793            | 1845N                              | 07507E                              | 47.3         | 116.5        | GGGG              |                     |                      | 157                     | 47                     |
| 2416-04392        | 00000/0000 2-20022/0086                        | 03/13/76         | 10             | 5793            | 1719N                              | 07446E                              | 47.7         | 114.9        | GGGG              |                     |                      | 157                     | 48                     |
| 2416-07532        | 00000/0000 2-20021/1521                        | 03/13/76         | 20             | 5795            | 5955N                              | 03914E                              | 24.3         | 152.8        | FFFF              |                     |                      | 193                     | 18                     |
| 2416-07535        | 00000/0000 2-20021/1522                        | 03/13/76         | 30             | 5795            | 5842N                              | 03816E                              | 25.3         | 151.6        | FFFF              |                     |                      | 193                     | 19                     |
| 2416-07541        | 00000/0000 2-20021/1523                        | 03/13/76         | 30             | 5795            | 5709N                              | 03722E                              | 26.3         | 150.4        | FFFF              |                     |                      | 193                     | 20                     |
| 2416-07544        | 00000/0000 2-20021/1524                        | 03/13/76         | 20             | 5795            | 5546N                              | 03632E                              | 27.3         | 149.2        | GGGF              |                     |                      | 193                     | 21                     |
| 2416-07550        | 00000/0000 2-20021/1525                        | 03/13/76         | 30             | 5795            | 5422N                              | 03544E                              | 28.3         | 148.1        | FGFF              |                     |                      | 193                     | 22                     |
| 2416-07553        | 00000/0000 2-20021/1526                        | 03/13/76         | 20             | 5795            | 5258N                              | 03459E                              | 29.3         | 147.0        | GGFG              |                     |                      | 193                     | 23                     |
| 2416-07555        | 00000/0000 2-20021/1527                        | 03/13/76         | 10             | 5795            | 5134N                              | 03416E                              | 30.3         | 145.9        | GGGF              |                     |                      | 193                     | 24                     |
| 2416-07562        | 00000/0000 2-20021/1528                        | 03/13/76         | 10             | 5795            | 5009N                              | 03336E                              | 31.2         | 144.8        | GGGG              |                     |                      | 193                     | 25                     |
| 2416-07564        | 00000/0000 2-20021/1529                        | 03/13/76         | 10             | 5795            | 4845N                              | 03257E                              | 32.2         | 143.7        | GGGG              |                     |                      | 193                     | 26                     |
| 2416-07571        | 00000/0000 2-20021/1530                        | 03/13/76         | 40             | 5795            | 4720N                              | 03221E                              | 33.1         | 142.6        | GGGG              |                     |                      | 193                     | 27                     |
| 2416-07573        | 00000/0000 2-20021/1531                        | 03/13/76         | 80             | 5795            | 4585N                              | 03146E                              | 34.0         | 141.5        | GFGG              |                     |                      | 193                     | 28                     |
| 2416-08073        | 00000/0000 2-20021/1532                        | 03/13/76         | 70             | 5795            | 1133N                              | 02145E                              | 48.9         | 108.1        | GGFG              |                     |                      | 193                     | 29                     |
| 2416-08080        | 00000/0000 2-20021/1533                        | 03/13/76         | 90             | 5795            | 1007N                              | 02124E                              | 49.2         | 106.4        | GGFF              |                     |                      | 193                     | 30                     |
| 2416-09500        | 00000/0000 2-20021/1534                        | 03/13/76         | 30             | 5796            | 1429N                              | 00320W                              | 48.4         | 111.5        | GGFF              |                     |                      | 211                     | 50                     |
| 2416-09502        | 00000/0000 2-20021/1535                        | 03/13/76         | 10             | 5796            | 1303N                              | 00341W                              | 48.7         | 109.9        | GGGG              |                     |                      | 211                     | 51                     |
| 2416-09505        | 00000/0000 2-20021/1567                        | 03/13/76         | 10             | 5796            | 1136N                              | 00402W                              | 49.0         | 108.2        | GGFG              |                     |                      | 211                     | 52                     |
| 2416-09511        | 00000/0000 2-20021/1568                        | 03/13/76         | 20             | 5796            | 1010N                              | 00422W                              | 49.2         | 106.5        | GGGG              |                     |                      | 211                     | 53                     |
| 2416-13295        | 00000/0000 2-20021/1569                        | 03/13/76         | 0              | 5798            | 3139S                              | 06614W                              | 37.9         | 65.8         | FFFF              |                     |                      | 247                     | 82                     |
| 2416-13301        | 00000/0000 2-20021/1570                        | 03/13/76         | 0              | 5798            | 3305S                              | 06639W                              | 37.1         | 65.1         | FFFF              |                     |                      | 247                     | 83                     |
| 2416-13304        | 00000/0000 2-20021/1571                        | 03/13/76         | 0              | 5798            | 3431S                              | 06705W                              | 36.2         | 64.4         | FFFF              |                     |                      | 247                     | 84                     |
| 2416-13310        | 00000/0000 2-20021/1572                        | 03/13/76         | 0              | 5798            | 3546S                              | 06732W                              | 35.3         | 63.8         | GGFG              |                     |                      | 247                     | 85                     |
| 2416-13313        | 00000/0000 2-20021/1573                        | 03/13/76         | 0              | 5798            | 3722S                              | 06759W                              | 34.5         | 63.2         | FFFF              |                     |                      | 247                     | 86                     |
| 2416-13315        | 00000/0000 2-20021/1574                        | 03/13/76         | 0              | 5798            | 3848S                              | 06828W                              | 33.5         | 62.6         | GGGG              |                     |                      | 247                     | 87                     |
| 2416-13322        | 00000/0000 2-20021/1575                        | 03/13/76         | 0              | 5798            | 4013S                              | 06857W                              | 32.6         | 62.1         | FGGG              |                     |                      | 247                     | 88                     |
| 2416-13324        | 00000/0000 2-20021/1576                        | 03/13/76         | 0              | 5798            | 4138S                              | 06927W                              | 31.7         | 61.7         | GGGG              |                     |                      | 247                     | 89                     |
| 2416-13331        | 00000/0000 2-20021/1577                        | 03/13/76         | 0              | 5798            | 4304S                              | 06959W                              | 30.7         | 61.3         | GGGG              |                     |                      | 247                     | 90                     |
| 2416-13340        | 00000/0000 2-20021/1578                        | 03/13/76         | 0              | 5798            | 4544S                              | 07105W                              | 28.8         | 60.7         | GGGG              |                     |                      | 247                     | 92                     |
| 2416-13342        | 00000/0000 2-20021/1579                        | 03/13/76         | 10             | 5798            | 4719S                              | 07140W                              | 27.8         | 60.5         | FFFF              |                     |                      | 247                     | 93                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR N9N-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI NR./<br>POSITION IN ROLL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2416-13345        | 00000/0000                                     | 2-20021/1580 | 03/13/76         | 20             | 5798            | 4843S                              | 07217W                              | 26.8         | 60.3         | FFFF                  |                     |                      | 247                     | 94                     |
| 2416-14492        | 00000/0000                                     | 2-20021/1554 | 03/13/76         | 100            | 5799            | 5011N                              | 06938W                              | 31.3         | 144.8        | GGGG                  |                     |                      | 14                      | 25                     |
| 2416-14495        | 00000/0000                                     | 2-20021/1555 | 03/13/76         | 100            | 5799            | 4846N                              | 07017W                              | 32.2         | 143.7        | GGGG                  |                     |                      | 14                      | 26                     |
| 2416-14563        | 00000/0000                                     | 2-20021/1556 | 03/13/76         | 10             | 5799            | 2558N                              | 07753W                              | 44.8         | 124.0        | GGGG                  |                     |                      | 14                      | 42                     |
| 2416-16324        | 00000/0000                                     | 2-20021/1581 | 03/13/76         | 90             | 5800            | 5011N                              | 09529W                              | 31.3         | 144.8        | GGGG                  |                     |                      | 32                      | 25                     |
| 2416-18155        | 00000/0000                                     | 2-20021/1557 | 03/13/76         | 30             | 5801            | 5012N                              | 12116W                              | 31.4         | 144.8        | GGGG                  |                     |                      | 50                      | 25                     |
| 2417-01190        | 00000/0000                                     | 2-20021/1536 | 03/14/76         | 40             | 5805            | 1556N                              | 12440E                              | 48.2         | 112.9        | GGGG                  |                     |                      | 122                     | 49                     |
| 2417-01192        | 00000/0000                                     | 2-20021/1537 | 03/14/76         | 40             | 5805            | 1470N                              | 12418E                              | 48.6         | 111.2        | FGGG                  |                     |                      | 122                     | 50                     |
| 2417-01195        | 00000/0000                                     | 2-20021/1538 | 03/14/76         | 40             | 5805            | 1304N                              | 12358E                              | 48.8         | 109.5        | FFGF                  |                     |                      | 122                     | 51                     |
| 2417-01201        | 00000/0000                                     | 2-20021/1585 | 03/14/76         | 20             | 5805            | 1137N                              | 12337E                              | 49.1         | 107.8        | FGGG                  |                     |                      | 122                     | 52                     |
| 2417-01204        | 00000/0000                                     | 2-20021/1586 | 03/14/76         | 30             | 5805            | 1011N                              | 12317E                              | 49.3         | 106.1        | GGGG                  |                     |                      | 122                     | 53                     |
| 2417-01210        | 00000/0000                                     | 2-20021/1587 | 03/14/76         | 30             | 5805            | 0844N                              | 12256E                              | 49.4         | 104.4        | FGGG                  |                     |                      | 122                     | 54                     |
| 2417-01213        | 00000/0000                                     | 2-20021/1588 | 03/14/76         | 10             | 5805            | 0717N                              | 12235E                              | 49.6         | 102.6        | GGGG                  |                     |                      | 122                     | 55                     |
| 2417-02553        | 00000/0000                                     | 2-20021/1589 | 03/14/76         | 0              | 5806            | 3850N                              | 10511E                              | 38.6         | 135.7        | FGGG                  |                     |                      | 140                     | 33                     |
| 2417-02562        | 00000/0000                                     | 2-20021/1590 | 03/14/76         | 20             | 5806            | 3559N                              | 10415E                              | 40.2         | 133.2        | GGGG                  |                     |                      | 140                     | 35                     |
| 2417-02571        | 00000/0000                                     | 2-20021/1591 | 03/14/76         | 30             | 5806            | 3308N                              | 10323E                              | 41.7         | 130.7        | GGGG                  |                     |                      | 140                     | 37                     |
| 2417-02574        | 00000/0000                                     | 2-20021/1592 | 03/14/76         | 50             | 5806            | 3142N                              | 10257E                              | 42.4         | 129.4        | GGGG                  |                     |                      | 140                     | 38                     |
| 2417-02580        | 00000/0000                                     | 2-20021/1593 | 03/14/76         | 10             | 5806            | 3015N                              | 10232E                              | 43.1         | 128.0        | GGGG                  |                     |                      | 140                     | 39                     |
| 2417-02583        | 00000/0000                                     | 2-20021/1594 | 03/14/76         | 10             | 5806            | 2850N                              | 10208E                              | 43.7         | 126.6        | FF F                  |                     |                      | 140                     | 40                     |
| 2417-02585        | 00000/0000                                     | 2-20021/1595 | 03/14/76         | 0              | 5806            | 2724N                              | 10144E                              | 44.4         | 125.2        | GGGG                  |                     |                      | 140                     | 41                     |
| 2417-02592        | 00000/0000                                     | 2-20021/1596 | 03/14/76         | 0              | 5806            | 2558N                              | 10121E                              | 45.0         | 123.8        | GGGG                  |                     |                      | 140                     | 42                     |
| 2417-02594        | 00000/0000                                     | 2-20021/1597 | 03/14/76         | 10             | 5806            | 2432N                              | 10058E                              | 45.5         | 122.3        | GGGG                  |                     |                      | 140                     | 43                     |
| 2417-03001        | 00000/0000                                     | 2-20021/1598 | 03/14/76         | 0              | 5806            | 2307N                              | 10036E                              | 46.1         | 120.8        | GGGG                  |                     |                      | 140                     | 44                     |
| 2417-04373        | 00000/0000                                     | 2-20021/1599 | 03/14/76         | 20             | 5807            | 4307N                              | 08055E                              | 36.1         | 139.2        | GGGG                  |                     |                      | 158                     | 30                     |
| 2417-04380        | 00000/0000                                     | 2-20021/1600 | 03/14/76         | 50             | 5807            | 4142N                              | 08023E                              | 36.9         | 138.0        | GGGG                  |                     |                      | 158                     | 31                     |
| 2417-04382        | 00000/0000                                     | 2-20021/1601 | 03/14/76         | 90             | 5807            | 4017N                              | 07953E                              | 37.8         | 136.8        | GGGG                  |                     |                      | 158                     | 32                     |
| 2417-04394        | 00000/0000                                     | 2-20021/1602 | 03/14/76         | 0              | 5807            | 3600N                              | 07827E                              | 40.2         | 133.2        | GGGG                  |                     |                      | 158                     | 35                     |
| 2417-04400        | 00000/0000                                     | 2-20021/1603 | 03/14/76         | 0              | 5807            | 3434N                              | 07801E                              | 41.0         | 131.9        | GGGG                  |                     |                      | 158                     | 36                     |
| 2417-04403        | 00000/0000                                     | 2-20021/1604 | 03/14/76         | 0              | 5807            | 3308N                              | 07735E                              | 41.7         | 130.7        | GGGG                  |                     |                      | 158                     | 37                     |
| 2417-04405        | 00000/0000                                     | 2-20021/1605 | 03/14/76         | 10             | 5807            | 3143N                              | 07710E                              | 42.4         | 129.3        | GGGG                  |                     |                      | 158                     | 38                     |
| 2417-04412        | 00000/0000                                     | 2-20021/1606 | 03/14/76         | 10             | 5807            | 3016N                              | 07645E                              | 43.1         | 128.0        | GGGG                  |                     |                      | 158                     | 39                     |
| 2417-04414        | 00000/0000                                     | 2-20021/1607 | 03/14/76         | 60             | 5807            | 2851N                              | 07621E                              | 43.8         | 126.6        | GGGG                  |                     |                      | 158                     | 40                     |
| 2417-04421        | 00000/0000                                     | 2-20021/1608 | 03/14/76         | 70             | 5807            | 2725N                              | 07557E                              | 44.4         | 125.2        | GGGG                  |                     |                      | 158                     | 41                     |
| 2417-04423        | 00000/0000                                     | 2-20021/1609 | 03/14/76         | 60             | 5807            | 2559N                              | 07533E                              | 45.0         | 123.8        | GGGG                  |                     |                      | 158                     | 42                     |
| 2417-04430        | 00000/0000                                     | 2-20021/1610 | 03/14/76         | 50             | 5807            | 2433N                              | 07510E                              | 45.6         | 122.3        | GGGG                  |                     |                      | 158                     | 43                     |
| 2417-04432        | 00000/0000                                     | 2-20021/1611 | 03/14/76         | 10             | 5807            | 2307N                              | 07448E                              | 46.1         | 120.8        | GGGG                  |                     |                      | 158                     | 44                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER,  
IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>POINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|---------------------------------------|----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2417-04435        | 00000/0000                   | 2-20021/1612                | 03/14/76         | 10             | 5807                   | 2140N                                 | 07425E                                 | 46.6         | 119.2        | GGGP                               |                     |                      | 158                     | 45                     |
| 2417-04441        | 00000/0000                   | 2-20021/1613                | 03/14/76         | 0              | 5807                   | 2014N                                 | 07403E                                 | 47.1         | 117.7        | GGGG                               |                     |                      | 158                     | 46                     |
| 2417-04444        | 00000/0000                   | 2-20021/1614                | 03/14/76         | 0              | 5807                   | 1847N                                 | 07341E                                 | 47.5         | 116.1        | GGGG                               |                     |                      | 158                     | 47                     |
| 2417-04450        | 00000/0000                   | 2-20021/1615                | 03/14/76         | 10             | 5807                   | 1720N                                 | 07320E                                 | 47.9         | 114.5        | GGGG                               |                     |                      | 158                     | 48                     |
| 2417-06284        | 00000/0000                   | 2-20021/1657                | 03/14/76         | 0              | 5808                   | 1554N                                 | 04711E                                 | 48.3         | 112.8        | GGGG                               |                     |                      | 176                     | 49                     |
| 2417-06291        | 00000/0000                   | 2-20021/1658                | 03/14/76         | 10             | 5808                   | 1428N                                 | 04650E                                 | 48.6         | 111.1        | GGGG                               |                     |                      | 176                     | 50                     |
| 2417-07595        | 00000/0000                   | 2-20021/1659                | 03/14/76         | 10             | 5809                   | 5709N                                 | 03554E                                 | 26.7         | 150.3        | GGGG                               |                     |                      | 194                     | 20                     |
| 2417-08004        | 00000/0000                   | 2-20021/1621                | 03/14/76         | 0              | 5809                   | 5422N                                 | 03416E                                 | 28.7         | 148.0        | GGGG                               |                     |                      | 194                     | 22                     |
| 2417-08011        | 00000/0000                   | 2-20021/1622                | 03/14/76         | 0              | 5809                   | 5259N                                 | 03331E                                 | 29.7         | 146.9        | GGGG                               |                     |                      | 194                     | 23                     |
| 2417-08013        | 00000/0000                   | 2-20021/1623                | 03/14/76         | 0              | 5809                   | 5135N                                 | 03249E                                 | 30.6         | 145.8        | GGGG                               |                     |                      | 194                     | 24                     |
| 2417-08020        | 00000/0000                   | 2-20021/1624                | 03/14/76         | 0              | 5809                   | 5010N                                 | 03209E                                 | 31.6         | 144.7        | GGGG                               |                     |                      | 194                     | 25                     |
| 2417-08022        | 00000/0000                   | 2-20021/1625                | 03/14/76         | 0              | 5809                   | 4846N                                 | 03131E                                 | 32.5         | 143.6        | GGGG                               |                     |                      | 194                     | 26                     |
| 2417-08134        | 00000/0000                   | 2-20021/1620                | 03/14/76         | 20             | 5809                   | 1008N                                 | 02000E                                 | 49.3         | 105.9        | G GG                               |                     |                      | 194                     | 59                     |
| 2417-08154        | 00000/0000                   | 2-20021/1626                | 03/14/76         | 20             | 5809                   | 0233N                                 | 01817E                                 | 49.7         | 97.2         | GGGG                               |                     |                      | 194                     | 58                     |
| 2417-08161        | 00000/0000                   | 2-20021/1627                | 03/14/76         | 20             | 5809                   | 0127N                                 | 01758E                                 | 49.6         | 95.5         | GGGG                               |                     |                      | 194                     | 59                     |
| 2417-08163        | 00000/0000                   | 2-20021/1628                | 03/14/76         | 50             | 5809                   | 0001N                                 | 01738E                                 | 49.5         | 93.8         | GGGG                               |                     |                      | 194                     | 60                     |
| 2417-08170        | 00000/0000                   | 2-20021/1629                | 03/14/76         | 20             | 5809                   | 0125S                                 | 01718E                                 | 49.3         | 92.1         | GGGG                               |                     |                      | 194                     | 61                     |
| 2417-08172        | 00000/0000                   | 2-20021/1630                | 03/14/76         | 10             | 5809                   | 0241S                                 | 01658E                                 | 49.1         | 90.4         | GGGG                               |                     |                      | 194                     | 62                     |
| 2417-08175        | 00000/0000                   | 2-20021/1631                | 03/14/76         | 10             | 5809                   | 0418S                                 | 01638E                                 | 48.9         | 88.8         | GGGG                               |                     |                      | 194                     | 63                     |
| 2417-09404        | 00000/0000                   | 2-20021/1632                | 03/14/76         | 0              | 5810                   | 6522N                                 | 01642E                                 | 20.6         | 158.3        | GGGG                               |                     |                      | 212                     | 14                     |
| 2417-09440        | 00000/0000                   | 2-20021/1633                | 03/14/76         | 50             | 5810                   | 5421N                                 | 00830E                                 | 28.7         | 148.0        | GGGG                               |                     |                      | 212                     | 22                     |
| 2417-13330        | 00000/0000                   | 2-20021/1634                | 03/14/76         | 10             | 5812                   | 2301S                                 | 06518W                                 | 42.4         | 70.9         | GGGG                               |                     |                      | 248                     | 76                     |
| 2417-13335        | 00000/0000                   | 2-20021/1635                | 03/14/76         | 20             | 5812                   | 2553S                                 | 06603W                                 | 40.9         | 68.8         | GGGG                               |                     |                      | 248                     | 78                     |
| 2417-13342        | 00000/0000                   | 2-20021/1636                | 03/14/76         | 20             | 5812                   | 2720S                                 | 06626W                                 | 40.2         | 67.9         | GGGG                               |                     |                      | 248                     | 79                     |
| 2417-13380        | 00000/0000                   | 2-20021/1558                | 03/14/76         | 10             | 5812                   | 4012S                                 | 07023W                                 | 32.4         | 61.8         | FFFF                               |                     |                      | 248                     | 88                     |
| 2417-13383        | 00000/0000                   | 2-20021/1559                | 03/14/76         | 0              | 5812                   | 4137S                                 | 07053W                                 | 31.4         | 61.3         | GGGG                               |                     |                      | 248                     | 89                     |
| 2417-13385        | 00000/0000                   | 2-20021/1560                | 03/14/76         | 0              | 5812                   | 4302S                                 | 07124W                                 | 30.5         | 61.0         | FFFF                               |                     |                      | 248                     | 90                     |
| 2417-13392        | 00000/0000                   | 2-20021/1561                | 03/14/76         | 10             | 5812                   | 4427S                                 | 07156W                                 | 29.5         | 60.6         | GGGG                               |                     |                      | 248                     | 91                     |
| 2417-13394        | 00000/0000                   | 2-20021/1562                | 03/14/76         | 40             | 5812                   | 4522S                                 | 07229W                                 | 28.5         | 60.4         | GGGG                               |                     |                      | 248                     | 92                     |
| 2417-14544        | 00000/0000                   | 2-20021/1616                | 03/14/76         | 20             | 5813                   | 5137N                                 | 07024W                                 | 30.7         | 145.8        | GGGG                               |                     |                      | 15                      | 24                     |
| 2417-14550        | 00000/0000                   | 2-20021/1617                | 03/14/76         | 10             | 5813                   | 5012N                                 | 07104W                                 | 31.7         | 144.7        | GGGG                               |                     |                      | 15                      | 25                     |
| 2417-14553        | 00000/0000                   | 2-20021/1618                | 03/14/76         | 10             | 5813                   | 4848N                                 | 07141W                                 | 32.6         | 143.6        | GGGG                               |                     |                      | 15                      | 26                     |
| 2417-15030        | 00000/0000                   | 2-20021/1619                | 03/14/76         | 20             | 5813                   | 2307N                                 | 08006W                                 | 46.2         | 120.6        | GGFG                               |                     |                      | 15                      | 44                     |
| 2417-15032        | 00000/0000                   | 2-20021/1563                | 03/14/76         | 20             | 5813                   | 2141N                                 | 08028W                                 | 46.7         | 119.1        | GGGG                               |                     |                      | 15                      | 45                     |
| 2417-15055        | 00000/0000                   | 2-20021/1564                | 03/14/76         | 30             | 5813                   | 1303N                                 | 08234W                                 | 49.0         | 109.2        | GGGG                               |                     |                      | 15                      | 51                     |
| 2417-15062        | 00000/0000                   | 2-20021/1565                | 03/14/76         | 30             | 5813                   | 1136N                                 | 08254W                                 | 49.2         | 107.5        | GGGG                               |                     |                      | 15                      | 52                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | QUAL<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|-----------------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2417-15064        | 00000/0000                   | 2-20021/1566                | 03/14/76         | 80             | 5813            | 1010N                                   | 08315W       | 49.4         | 105.8                 | GGGG              |                     |                      | 15                      | 53                     |
| 2417-16375        | 00000/0000                   | 2-20021/1582                | 03/14/76         | 0              | 5814            | 5137N                                   | 09414W       | 30.8         | 145.8                 | GGGG              |                     |                      | 33                      | 24                     |
| 2417-16382        | 00000/0000                   | 2-20021/1583                | 03/14/76         | 0              | 5814            | 5013N                                   | 09654W       | 31.7         | 144.7                 | GGGG              |                     |                      | 33                      | 25                     |
| 2417-18213        | 00000/0000                   | 2-20021/1637                | 03/14/76         | 0              | 5815            | 5013N                                   | 12240W       | 31.7         | 144.7                 | GFGG              |                     |                      | 51                      | 25                     |
| 2418-01244        | 00000/0000                   | 2-20021/1638                | 03/15/76         | 20             | 5819            | 1553N                                   | 12311E       | 48.5         | 112.4                 | G                 |                     |                      | 123                     | 49                     |
| 2418-01250        | 00000/0000                   | 2-20021/1639                | 03/15/76         | 20             | 5819            | 1427N                                   | 12251E       | 48.8         | 110.7                 | FFFF              |                     |                      | 123                     | 50                     |
| 2418-01253        | 00000/0000                   | 2-20021/1640                | 03/15/76         | 10             | 5819            | 1301N                                   | 12230E       | 49.1         | 109.0                 | FFFF              |                     |                      | 123                     | 51                     |
| 2418-01255        | 00000/0000                   | 2-20021/1641                | 03/15/76         | 20             | 5819            | 1135N                                   | 12209E       | 49.3         | 107.2                 | GGGG              |                     |                      | 123                     | 52                     |
| 2418-01262        | 00000/0000                   | 2-20021/1642                | 03/15/76         | 20             | 5819            | 1008N                                   | 12149E       | 49.5         | 105.5                 | GFGG              |                     |                      | 123                     | 53                     |
| 2418-01264        | 00000/0000                   | 2-20021/1643                | 03/15/76         | 10             | 5819            | 0841N                                   | 12129E       | 49.6         | 103.8                 | GFFF              |                     |                      | 123                     | 54                     |
| 2418-01271        | 00000/0000                   | 2-20021/1644                | 03/15/76         | 10             | 5819            | 0714N                                   | 12109E       | 49.7         | 102.0                 | FFGG              |                     |                      | 123                     | 55                     |
| 2418-03014        | 00000/0000                   | 2-20021/1645                | 03/15/76         | 80             | 5820            | 3723N                                   | 10317E       | 39.8         | 134.2                 | FFGF              |                     |                      | 141                     | 34                     |
| 2418-03020        | 00000/0000                   | 2-20021/1646                | 03/15/76         | 40             | 5820            | 3558N                                   | 10250E       | 40.5         | 133.0                 | GGFG              |                     |                      | 141                     | 35                     |
| 2418-03023        | 00000/0000                   | 2-20021/1647                | 03/15/76         | 20             | 5820            | 3432N                                   | 10223E       | 41.3         | 131.7                 | GGGG              |                     |                      | 141                     | 36                     |
| 2418-03025        | 00000/0000                   | 2-20021/1648                | 03/15/76         | 10             | 5820            | 3306N                                   | 10157E       | 42.0         | 130.4                 | GGGG              |                     |                      | 141                     | 37                     |
| 2418-03032        | 00000/0000                   | 2-20021/1649                | 03/15/76         | 10             | 5820            | 3141N                                   | 10132E       | 42.7         | 129.0                 | GGGG              |                     |                      | 141                     | 38                     |
| 2418-03034        | 00000/0000                   | 2-20021/1650                | 03/15/76         | 30             | 5820            | 3015N                                   | 10107E       | 43.4         | 127.7                 | GGGG              |                     |                      | 141                     | 39                     |
| 2418-03041        | 00000/0000                   | 2-20021/1651                | 03/15/76         | 50             | 5820            | 2849N                                   | 10043E       | 44.1         | 126.3                 | GGGG              |                     |                      | 141                     | 40                     |
| 2418-03043        | 00000/0000                   | 2-20021/1652                | 03/15/76         | 80             | 5820            | 2723N                                   | 10019E       | 44.7         | 124.9                 | GGGG              |                     |                      | 141                     | 41                     |
| 2418-03050        | 00000/0000                   | 2-20021/1653                | 03/15/76         | 30             | 5820            | 2557N                                   | 09956E       | 45.3         | 123.4                 | GGGG              |                     |                      | 141                     | 42                     |
| 2418-03052        | 00000/0000                   | 2-20021/1654                | 03/15/76         | 30             | 5820            | 2430N                                   | 09933E       | 45.9         | 121.9                 | GGGG              |                     |                      | 141                     | 43                     |
| 2418-03055        | 00000/0000                   | 2-20021/1655                | 03/15/76         | 10             | 5820            | 2304N                                   | 09910E       | 46.4         | 120.4                 | GGGG              |                     |                      | 141                     | 44                     |
| 2418-03111        | 00000/0000                   | 2-20021/1656                | 03/15/76         | 10             | 5820            | 0419N                                   | 09440E       | 49.8         | 98.5                  | GGGG              |                     |                      | 141                     | 57                     |
| 2418-04443        | 00000/0000                   | 2-20021/1660                | 03/15/76         | 70             | 5821            | 3852N                                   | 07758E       | 39.0         | 135.5                 | FFGG              |                     |                      | 159                     | 33                     |
| 2418-04461        | 00000/0000                   | 2-20021/1661                | 03/15/76         | 100            | 5821            | 3309N                                   | 07609E       | 42.0         | 130.4                 | GGGG              |                     |                      | 159                     | 37                     |
| 2418-04463        | 00000/0000                   | 2-20021/1662                | 03/15/76         | 100            | 5821            | 3143N                                   | 07544E       | 42.7         | 129.1                 | GGGG              |                     |                      | 159                     | 38                     |
| 2418-04470        | 00000/0000                   | 2-20021/1663                | 03/15/76         | 90             | 5821            | 3017N                                   | 07519E       | 43.4         | 127.7                 | GGGG              |                     |                      | 159                     | 39                     |
| 2418-04472        | 00000/0000                   | 2-20021/1664                | 03/15/76         | 50             | 5821            | 2851N                                   | 07455E       | 44.1         | 126.3                 | GGGG              |                     |                      | 159                     | 40                     |
| 2418-04475        | 00000/0000                   | 2-20021/1665                | 03/15/76         | 10             | 5821            | 2725N                                   | 07431E       | 44.7         | 124.9                 | GGGG              |                     |                      | 159                     | 41                     |
| 2418-04481        | 00000/0000                   | 2-20021/1666                | 03/15/76         | 10             | 5821            | 2600N                                   | 07408E       | 45.3         | 123.4                 | GGGG              |                     |                      | 159                     | 42                     |
| 2418-04484        | 00000/0000                   | 2-20021/1667                | 03/15/76         | 10             | 5821            | 2434N                                   | 07345E       | 45.9         | 121.9                 | GGGG              |                     |                      | 159                     | 43                     |
| 2418-04490        | 00000/0000                   | 2-20021/1668                | 03/15/76         | 10             | 5821            | 2307N                                   | 07322E       | 46.4         | 120.4                 | FFGG              |                     |                      | 159                     | 44                     |
| 2418-04493        | 00000/0000                   | 2-20021/1669                | 03/15/76         | 10             | 5821            | 2141N                                   | 07300E       | 46.9         | 118.8                 | GGGG              |                     |                      | 159                     | 45                     |
| 2418-06284        | 00000/0000                   | 2-20021/1670                | 03/15/76         | 20             | 5822            | 3600N                                   | 05112E       | 40.6         | 139.0                 | GGG               |                     |                      | 177                     | 36                     |
| 2418-06290        | 00000/0000                   | 2-20021/1671                | 03/15/76         | 30             | 5822            | 3435N                                   | 05045E       | 41.3         | 131.7                 | GGGG              |                     |                      | 177                     | 37                     |
| 2418-06293        | 00000/0000                   | 2-20021/1672                | 03/15/76         | 20             | 5822            | 3309N                                   | 05019E       | 42.1         | 130.4                 | GGGG              |                     |                      | 177                     | 37                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2418-06295        | 00000/0000                   | 2-20021/1673                | 03/15/76         | 10             | 5822            | 3143N                              | 04954E                              | 42.8         | 129.0        | GGGG                  |                     |                      | 177                     | 38                     |
| 2418-06302        | 00000/0000                   | 2-20021/1674                | 03/15/76         | 0              | 5822            | 3017N                              | 04929E                              | 43.5         | 127.7        | GGGG                  |                     |                      | 177                     | 39                     |
| 2418-06304        | 00000/0000                   | 2-20021/1675                | 03/15/76         | 0              | 5822            | 2851N                              | 04905E                              | 44.1         | 126.3        | GGGF                  |                     |                      | 177                     | 40                     |
| 2418-06340        | 00000/0000                   | 2-20021/1676                | 03/15/76         | 0              | 5822            | 1721N                              | 04606E                              | 48.2         | 114.0        | FGGG                  |                     |                      | 177                     | 48                     |
| 2418-06343        | 00000/0000                   | 2-20021/1677                | 03/15/76         | 0              | 5822            | 1555N                              | 04545E                              | 48.5         | 112.3        | FGGG                  |                     |                      | 177                     | 49                     |
| 2418-08051        | 00000/0000                   | 2-20021/1678                | 03/15/76         | 20             | 5823            | 5833N                              | 03525E                              | 26.1         | 151.5        | GGG                   |                     |                      | 195                     | 19                     |
| 2418-08054        | 00000/0000                   | 2-20021/1679                | 03/15/76         | 20             | 5823            | 5711N                              | 03431E                              | 27.1         | 150.3        | GGGG                  |                     |                      | 195                     | 20                     |
| 2418-08060        | 00000/0000                   | 2-20021/1680                | 03/15/76         | 30             | 5823            | 5547N                              | 03341E                              | 28.1         | 149.1        | GGGG                  |                     |                      | 195                     | 21                     |
| 2418-08063        | 00000/0000                   | 2-20021/1681                | 03/15/76         | 40             | 5823            | 5424N                              | 03253E                              | 29.1         | 148.0        | GGGG                  |                     |                      | 195                     | 22                     |
| 2418-08065        | 00000/0000                   | 2-20021/1682                | 03/15/76         | 10             | 5823            | 5300N                              | 03208E                              | 30.1         | 146.9        | GGGG                  |                     |                      | 195                     | 23                     |
| 2418-08072        | 00000/0000                   | 2-20021/1683                | 03/15/76         | 0              | 5823            | 5137N                              | 03125E                              | 31.0         | 145.7        | GGGG                  |                     |                      | 195                     | 24                     |
| 2418-08074        | 00000/0000                   | 2-20021/1684                | 03/15/76         | 0              | 5823            | 5013N                              | 03045E                              | 32.0         | 144.6        | GGGG                  |                     |                      | 195                     | 25                     |
| 2418-08081        | 00000/0000                   | 2-20021/1685                | 03/15/76         | 10             | 5823            | 4848N                              | 03006E                              | 32.9         | 143.5        | GGFG                  |                     |                      | 195                     | 26                     |
| 2418-08083        | 00000/0000                   | 2-20021/1686                | 03/15/76         | 60             | 5823            | 4723N                              | 02930E                              | 33.8         | 142.4        | GGGG                  |                     |                      | 195                     | 27                     |
| 2418-08090        | 00000/0000                   | 2-20021/1687                | 03/15/76         | 70             | 5823            | 4558N                              | 02855E                              | 34.7         | 141.3        | GGGG                  |                     |                      | 195                     | 28                     |
| 2418-08192        | 00000/0000                   | 2-20022/0129                | 03/15/76         | 10             | 5823            | 1009N                              | 01833E                              | 49.5         | 105.4        | GFFG                  |                     |                      | 195                     | 53                     |
| 2418-08195        | 00000/0000                   | 2-20022/0130                | 03/15/76         | 20             | 5823            | 0843N                              | 01813E                              | 49.7         | 103.6        | GGGG                  |                     |                      | 195                     | 54                     |
| 2418-08201        | 00000/0000                   | 2-20022/0131                | 03/15/76         | 50             | 5823            | 0716N                              | 01753E                              | 49.8         | 101.9        | FGGG                  |                     |                      | 195                     | 55                     |
| 2418-08204        | 00000/0000                   | 2-20022/0132                | 03/15/76         | 90             | 5823            | 0549N                              | 01734E                              | 49.8         | 100.1        | FGFG                  |                     |                      | 195                     | 56                     |
| 2418-08210        | 00000/0000                   | 2-20022/0133                | 03/15/76         | 70             | 5823            | 0422N                              | 01714E                              | 49.8         | 98.4         | GGGG                  |                     |                      | 195                     | 57                     |
| 2418-08213        | 00000/0000                   | 2-20022/0134                | 03/15/76         | 30             | 5823            | 0256N                              | 01654E                              | 49.8         | 96.6         | FGGG                  |                     |                      | 195                     | 58                     |
| 2418-08215        | 00000/0000                   | 2-20022/0135                | 03/15/76         | 60             | 5823            | 0129N                              | 01634E                              | 49.7         | 94.9         | GGGG                  |                     |                      | 195                     | 59                     |
| 2418-08222        | 00000/0000                   | 2-20022/0136                | 03/15/76         | 30             | 5823            | 0002N                              | 01614E                              | 49.6         | 93.2         | GGGG                  |                     |                      | 195                     | 60                     |
| 2418-08224        | 00000/0000                   | 2-20022/0113                | 03/15/76         | 50             | 5823            | 0124S                              | 01553E                              | 49.4         | 91.5         | GGGG                  |                     |                      | 195                     | 61                     |
| 2418-08231        | 00000/0000                   | 2-20022/0114                | 03/15/76         | 70             | 5823            | 0251S                              | 01534E                              | 49.2         | 89.8         | GFGG                  |                     |                      | 195                     | 62                     |
| 2418-09460        | 00000/0000                   | 2-20022/0115                | 03/15/76         | 10             | 5824            | 6644N                              | 01645E                              | 20.0         | 160.0        | GGFG                  |                     |                      | 213                     | 13                     |
| 2418-09462        | 00000/0000                   | 2-20022/0116                | 03/15/76         | 10             | 5824            | 6525N                              | 01516E                              | 21.0         | 158.3        | GGGG                  |                     |                      | 213                     | 14                     |
| 2418-11503        | 00000/0000                   | 2-20022/0117                | 03/15/76         | 30             | 5825            | 0545S                              | 03644W                              | 48.6         | 86.4         | GGGG                  |                     |                      | 231                     | 64                     |
| 2418-11505        | 00000/0000                   | 2-20022/0118                | 03/15/76         | 30             | 5825            | 0712S                              | 03704W                              | 48.3         | 84.9         | GGGG                  |                     |                      | 231                     | 65                     |
| 2418-11512        | 00000/0000                   | 2-20022/0119                | 03/15/76         | 40             | 5825            | 0838S                              | 03724W                              | 47.9         | 83.3         | FFFF                  |                     |                      | 231                     | 66                     |
| 2418-11514        | 00000/0000                   | 2-20022/0120                | 03/15/76         | 60             | 5825            | 1005S                              | 03745W                              | 47.5         | 81.8         | GGGF                  |                     |                      | 231                     | 67                     |
| 2418-11521        | 00000/0000                   | 2-20022/0121                | 03/15/76         | 50             | 5825            | 1131S                              | 03806W                              | 47.0         | 80.4         | FFFF                  |                     |                      | 231                     | 68                     |
| 2418-11523        | 00000/0000                   | 2-20022/0122                | 03/15/76         | 40             | 5825            | 1258S                              | 03826W                              | 46.6         | 78.9         | GGGF                  |                     |                      | 231                     | 69                     |
| 2418-13373        | 00000/0000                   | 2-20022/0099                | 03/15/76         | 30             | 5826            | 1846S                              | 06539W                              | 44.3         | 73.7         | FFGG                  |                     |                      | 249                     | 73                     |
| 2418-13375        | 00000/0000                   | 2-20022/0100                | 03/15/76         | 20             | 5826            | 2012S                              | 06601W                              | 43.6         | 72.5         | FGGG                  |                     |                      | 249                     | 74                     |
| 2418-13382        | 00000/0000                   | 2-20022/0101                | 03/15/76         | 10             | 5826            | 2139S                              | 06623W                              | 42.9         | 71.4         | FFFF                  |                     |                      | 249                     | 75                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NR./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SBBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SBBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2418-13393        | 00000/0000                           | 2-20022/0102     | 03/15/76         | 0              | 5826            | 2557S                                   | 06731W       | 40.7         | 68.3                               | GGGG                |                      | 249                     | 78                     |
| 2418-13400        | 00000/0000                           | 2-20022/0103     | 03/15/76         | 10             | 5826            | 2723S                                   | 06755W       | 40.0         | 67.4                               | GGGG                |                      | 249                     | 79                     |
| 2418-13402        | 00000/0000                           | 2-20022/0104     | 03/15/76         | 10             | 5826            | 2849S                                   | 06818W       | 39.2         | 66.5                               | FFFF                |                      | 249                     | 80                     |
| 2418-13411        | 00000/0000                           | 2-20022/0105     | 03/15/76         | 0              | 5826            | 3141S                                   | 06907W       | 37.5         | 64.9                               | FFFF                |                      | 249                     | 82                     |
| 2418-13414        | 00000/0000                           | 2-20022/0106     | 03/15/76         | 0              | 5826            | 3307S                                   | 06932W       | 36.6         | 64.2                               | FGGG                |                      | 249                     | 83                     |
| 2418-13420        | 00000/0000                           | 2-20022/0107     | 03/15/76         | 0              | 5826            | 3492S                                   | 06958W       | 35.8         | 63.6                               | GGGG                |                      | 249                     | 84                     |
| 2418-13425        | 00000/0000                           | 2-20022/0108     | 03/15/76         | 0              | 5826            | 3724S                                   | 07052W       | 34.0         | 62.4                               | FFFF                |                      | 249                     | 86                     |
| 2418-13432        | 00000/0000                           | 2-20022/0109     | 03/15/76         | 10             | 5826            | 3849S                                   | 07120W       | 33.0         | 61.9                               | GGGG                |                      | 249                     | 87                     |
| 2418-15002        | 00000/0000                           | 2-20022/0028     | 03/15/76         | 70             | 5827            | 5134N                                   | 07151W       | 31.2         | 145.7                              | GGGG                |                      | 16                      | 24                     |
| 2418-15005        | 00000/0000                           | 2-20022/0029     | 03/15/76         | 70             | 5827            | 5010N                                   | 07231W       | 32.1         | 144.6                              | FGGG                |                      | 16                      | 25                     |
| 2418-15011        | 00000/0000                           | 2-20022/0030     | 03/15/76         | 50             | 5827            | 4846N                                   | 07309W       | 33.0         | 143.4                              | FGGG                |                      | 16                      | 26                     |
| 2418-15084        | 00000/0000                           | 2-20022/0110     | 03/15/76         | 30             | 5827            | 2306N                                   | 08132W       | 46.5         | 120.2                              | GGGF                | H                    | 16                      | 44                     |
| 2418-15105        | 00000/0000                           | 2-20022/0111     | 03/15/76         | 40             | 5827            | 1553N                                   | 08319W       | 48.6         | 112.1                              | FGGG                |                      | 16                      | 49                     |
| 2418-15111        | 00000/0000                           | 2-20022/0112     | 03/15/76         | 60             | 5827            | 1426N                                   | 08339W       | 48.9         | 110.4                              | GGGG                |                      | 16                      | 50                     |
| 2418-18265        | 00000/0000                           | 2-20022/0057     | 03/15/76         | 90             | 5829            | 5135N                                   | 12331W       | 31.2         | 145.7                              | GGGG                |                      | 52                      | 24                     |
| 2418-18272        | 00000/0000                           | 2-20022/0058     | 03/15/76         | 70             | 5829            | 5011N                                   | 12411W       | 32.2         | 144.5                              | GGGG                |                      | 52                      | 25                     |
| 2418-18290        | 00000/0000                           | 2-20022/0059     | 03/15/76         | 90             | 5829            | 4431N                                   | 12634W       | 35.8         | 140.0                              | GGGG                |                      | 52                      | 29                     |
| 2419-01302        | 00000/0000                           | 2-20022/0123     | 03/16/76         | 50             | 5833            | 1554N                                   | 12146E       | 48.7         | 111.9                              | GGGG                |                      | 124                     | 49                     |
| 2419-01305        | 00000/0000                           | 2-20022/0124     | 03/16/76         | 30             | 5833            | 1428N                                   | 12125E       | 49.0         | 110.2                              | GGGG                |                      | 124                     | 50                     |
| 2419-01311        | 00000/0000                           | 2-20022/0125     | 03/16/76         | 30             | 5833            | 1371N                                   | 12105E       | 49.3         | 108.5                              | GGGG                |                      | 124                     | 51                     |
| 2419-01314        | 00000/0000                           | 2-20022/0126     | 03/16/76         | 40             | 5833            | 1135N                                   | 12044E       | 49.5         | 106.7                              | FGGG                |                      | 124                     | 52                     |
| 2419-01320        | 00000/0000                           | 2-20022/0127     | 03/16/76         | 50             | 5833            | 1048N                                   | 12024E       | 49.7         | 105.0                              | GGGF                |                      | 124                     | 53                     |
| 2419-01323        | 00000/0000                           | 2-20022/0128     | 03/16/76         | 40             | 5833            | 0842N                                   | 12004E       | 49.8         | 103.2                              | GGGF                |                      | 124                     | 54                     |
| 2419-03070        | 00000/0000                           | 2-20022/0137     | 03/16/76         | 40             | 5834            | 3850N                                   | 10220E       | 39.3         | 135.2                              | GGGG                |                      | 142                     | 33                     |
| 2419-03072        | 00000/0000                           | 2-20022/0138     | 03/16/76         | 60             | 5834            | 3725N                                   | 10152E       | 40.1         | 134.0                              | GGGG                |                      | 142                     | 34                     |
| 2419-03075        | 00000/0000                           | 2-20022/0139     | 03/16/76         | 70             | 5834            | 3559N                                   | 10124E       | 40.9         | 132.7                              | GGGF                |                      | 142                     | 35                     |
| 2419-03081        | 00000/0000                           | 2-20022/0140     | 03/16/76         | 40             | 5834            | 3433N                                   | 10058E       | 41.6         | 131.4                              | GGGG                |                      | 142                     | 36                     |
| 2419-03084        | 00000/0000                           | 2-20022/0141     | 03/16/76         | 20             | 5834            | 3307N                                   | 10032E       | 42.4         | 130.1                              | FGGG                |                      | 142                     | 37                     |
| 2419-03111        | 00000/0000                           | 2-20022/0176     | 03/16/76         | 10             | 5834            | 2431N                                   | 09806E       | 46.2         | 121.5                              | GGGF                |                      | 142                     | 43                     |
| 2419-03152        | 00000/0000                           | 2-20022/0177     | 03/16/76         | 30             | 5834            | 1077N                                   | 09435E       | 49.7         | 104.9                              | GGGG                |                      | 142                     | 53                     |
| 2419-03154        | 00000/0000                           | 2-20022/0178     | 03/16/76         | 30             | 5834            | 0840N                                   | 09415E       | 49.8         | 103.2                              | FFFF                |                      | 142                     | 54                     |
| 2419-03161        | 00000/0000                           | 2-20022/0179     | 03/16/76         | 20             | 5834            | 0713N                                   | 09355E       | 49.9         | 101.4                              | FGGG                |                      | 142                     | 55                     |
| 2419-03163        | 00000/0000                           | 2-20022/0180     | 03/16/76         | 30             | 5834            | 0546N                                   | 09334E       | 49.9         | 99.6                               | GGG                 |                      | 142                     | 56                     |
| 2419-03170        | 00000/0000                           | 2-20022/0181     | 03/16/76         | 40             | 5834            | 0420N                                   | 09314E       | 49.9         | 97.9                               | FFG                 |                      | 142                     | 57                     |
| 2419-04495        | 00000/0000                           | 2-20022/0182     | 03/16/76         | 50             | 5835            | 4015N                                   | 07700E       | 38.5         | 136.4                              | GGGG                |                      | 160                     | 32                     |
| 2419-04501        | 00000/0000                           | 2-20022/0183     | 03/16/76         | 90             | 5835            | 3850N                                   | 07630E       | 39.4         | 135.2                              | FGG                 |                      | 160                     | 33                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-UB  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>POSITION<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------------------|------------------|----------------|------------------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2419-04504        | 00000/0000                   | 2-20022/0184                            | 03/16/76         | 90             | 5835                   | 3724N                                   | 07602E       | 40.1         | 134.0                              |                     |                      |                         |                        |
| 2419-04510        | 00000/0000                   | 2-20022/0185                            | 03/16/76         | 100            | 5835                   | 3558N                                   | 07535E       | 40.9         | 132.7                              | GFFF                |                      | 160                     | 34                     |
| 2419-04513        | 00000/0000                   | 2-20022/0186                            | 03/16/76         | 100            | 5835                   | 3432N                                   | 07508E       | 41.7         | 131.4                              | FFFG                |                      | 160                     | 35                     |
| 2419-04515        | 00000/0000                   | 2-20022/0187                            | 03/16/76         | 100            | 5835                   | 3306N                                   | 07442E       | 42.4         | 130.1                              | FGFG                |                      | 160                     | 36                     |
| 2419-04522        | 00000/0000                   | 2-20022/0188                            | 03/16/76         | 90             | 5835                   | 3141N                                   | 07416E       | 43.1         | 128.7                              | FGGG                |                      | 160                     | 37                     |
| 2419-04524        | 00000/0000                   | 2-20022/0189                            | 03/16/76         | 90             | 5835                   | 3015N                                   | 07352E       | 43.8         | 127.4                              | FGFG                |                      | 160                     | 38                     |
| 2419-04531        | 00000/0000                   | 2-20022/0190                            | 03/16/76         | 50             | 5835                   | 2849N                                   | 07327E       | 44.4         | 125.9                              | FGGG                |                      | 160                     | 39                     |
| 2419-04533        | 00000/0000                   | 2-20022/0191                            | 03/16/76         | 20             | 5835                   | 2723N                                   | 07303E       | 45.0         | 124.5                              | GFGG                |                      | 160                     | 40                     |
| 2419-04540        | 00000/0000                   | 2-20022/0192                            | 03/16/76         | 30             | 5835                   | 2557N                                   | 07240E       | 45.6         | 123.0                              | FGGG                |                      | 160                     | 41                     |
| 2419-04542        | 00000/0000                   | 2-20022/0193                            | 03/16/76         | 60             | 5835                   | 2431N                                   | 07217E       | 46.2         | 121.5                              | FFFG                |                      | 160                     | 42                     |
| 2419-08123        | 00000/0000                   | 2-20022/0145                            | 03/16/76         | 90             | 5837                   | 5300N                                   | 03044E       | 30.4         | 146.8                              | FG F                |                      | 196                     | 43                     |
| 2419-08141        | 00000/0000                   | 2-20022/0146                            | 03/16/76         | 80             | 5837                   | 4724N                                   | 02803E       | 34.2         | 142.3                              | GFGG                |                      | 196                     | 23                     |
| 2419-08144        | 00000/0000                   | 2-20022/0147                            | 03/16/76         | 80             | 5837                   | 4558N                                   | 02727E       | 35.1         | 141.1                              | GGGG                |                      | 196                     | 27                     |
| 2419-08253        | 00000/0000                   | 2-20022/0148                            | 03/16/76         | 80             | 5837                   | 0842N                                   | 01646E       | 49.8         | 103.1                              | FGGF                |                      | 196                     | 28                     |
| 2419-08255        | 00000/0000                   | 2-20022/0149                            | 03/16/76         | 60             | 5837                   | 0716N                                   | 01626E       | 49.9         | 101.3                              | GFGG                |                      | 196                     | 54                     |
| 2419-10052        | 00000/0000                   | 2-20022/0150                            | 03/16/76         | 30             | 5838                   | 2015N                                   | 00615W       | 47.7         | 116.7                              | GFGG                |                      | 196                     | 55                     |
| 2419-10055        | 00000/0000                   | 2-20022/0151                            | 03/16/76         | 20             | 5838                   | 1848N                                   | 00636W       | 48.1         | 115.1                              | GFFF                |                      | 214                     | 46                     |
| 2419-13440        | 00000/0000                   | 2-20021/1690                            | 03/16/76         | 10             | 5840                   | 2137S                                   | 06749W       | 42.8         | 70.9                               | GFGG                |                      | 214                     | 47                     |
| 2419-13443        | 00000/0000                   | 2-20021/1691                            | 03/16/76         | 10             | 5840                   | 2304S                                   | 06812W       | 42.1         | 69.8                               | GFGG                |                      | 250                     | 75                     |
| 2419-13445        | 00000/0000                   | 2-20021/1692                            | 03/16/76         | 0              | 5840                   | 2430S                                   | 06835W       | 41.3         | 68.8                               | GFGG                |                      | 250                     | 76                     |
| 2419-13452        | 00000/0000                   | 2-20021/1693                            | 03/16/76         | 0              | 5840                   | 2550S                                   | 06858W       | 40.6         | 67.8                               | GFGG                |                      | 250                     | 77                     |
| 2419-13454        | 00000/0000                   | 2-20021/1694                            | 03/16/76         | 0              | 5840                   | 2722S                                   | 06921W       | 39.8         | 66.9                               | GFGG                |                      | 250                     | 78                     |
| 2419-13461        | 00000/0000                   | 2-20021/1695                            | 03/16/76         | 0              | 5840                   | 2848S                                   | 06944W       | 39.0         | 66.1                               | GFGG                |                      | 250                     | 79                     |
| 2419-13463        | 00000/0000                   | 2-20021/1696                            | 03/16/76         | 0              | 5840                   | 3014S                                   | 07007W       | 38.2         | 65.3                               | FFFF                |                      | 250                     | 80                     |
| 2419-13470        | 00000/0000                   | 2-20021/1697                            | 03/16/76         | 10             | 5840                   | 3139S                                   | 07032W       | 37.3         | 64.5                               | GFGG                |                      | 250                     | 81                     |
| 2419-13472        | 00000/0000                   | 2-20021/1698                            | 03/16/76         | 10             | 5840                   | 3305S                                   | 07057W       | 36.4         | 63.8                               | GFGG                |                      | 250                     | 82                     |
| 2419-13484        | 00000/0000                   | 2-20021/1699                            | 03/16/76         | 90             | 5840                   | 3723S                                   | 07218W       | 33.7         | 62.0                               | GFGG                |                      | 250                     | 83                     |
| 2419-15060        | 00000/0000                   | 2-20022/0142                            | 03/16/76         | 0              | 5841                   | 5135N                                   | 07317W       | 31.5         | 145.6                              | GFGG                |                      | 17                      | 86                     |
| 2419-15063        | 00000/0000                   | 2-20022/0143                            | 03/16/76         | 10             | 5841                   | 5011N                                   | 07357W       | 32.5         | 144.5                              | GFGG                |                      | 17                      | 24                     |
| 2419-15165        | 00000/0000                   | 2-20021/1700                            | 03/16/76         | 40             | 5841                   | 1427N                                   | 08506W       | 49.1         | 109.9                              | GFGG                |                      | 17                      | 25                     |
| 2419-15172        | 00000/0000                   | 2-20021/1701                            | 03/16/76         | 60             | 5841                   | 1301N                                   | 08526W       | 49.4         | 108.2                              | GFGG                |                      | 17                      | 50                     |
| 2419-15174        | 00000/0000                   | 2-20021/1702                            | 03/16/76         | 50             | 5841                   | 1135N                                   | 08547W       | 49.6         | 106.4                              | GFGG                |                      | 17                      | 51                     |
| 2419-16494        | 00000/0000                   | 2-20021/1703                            | 03/16/76         | 0              | 5842                   | 5013N                                   | 09943W       | 32.5         | 144.5                              | GFGG                |                      | 17                      | 52                     |
| 2419-18330        | 00000/0000                   | 2-20022/0152                            | 03/16/76         | 100            | 5843                   | 5011N                                   | 12534W       | 32.5         | 144.5                              | GFGG                |                      | 35                      | 25                     |
| 2419-18335        | 00000/0000                   | 2-20022/0153                            | 03/16/76         | 100            | 5843                   | 4722N                                   | 12649W       | 34.4         | 142.2                              | FFFF                |                      | 53                      | 25                     |
| 2419-21523        | 00000/0000                   | 2-20022/0144                            | 03/16/76         | 20             | 5845                   | 7311N                                   | 15454W       | 15.2         | 171.0                              | GFGG                |                      | 53                      | 27                     |
|                   |                              |                                         |                  |                |                        |                                         |              |              |                                    |                     |                      | 89                      | 8                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>R&V | ROLL NO./<br>IN R&V<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>R&V MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>R&V<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2420-01360        | 00000/0000                   | 2-20021/1688               | 03/17/76         | 10             | 5847            | 1555N                        | 12020E        | 49.0         | 111.4        | GGGG                  |                     |                      | 125                     | 49                     |
| 2420-01363        | 00000/0000                   | 2-20021/1689               | 03/17/76         | 10             | 5847            | 1428N                        | 11959E        | 49.2         | 109.7        | GFFG                  |                     |                      | 125                     | 50                     |
| 2420-01365        | 00000/0000                   | 2-20021/1704               | 03/17/76         | 10             | 5847            | 1302N                        | 11939E        | 49.5         | 107.9        | FFFF                  |                     |                      | 125                     | 51                     |
| 2420-03124        | 00000/0000                   | 2-20021/1705               | 03/17/76         | 40             | 5848            | 3850N                        | 10053E        | 39.7         | 135.0        | GGFG                  |                     |                      | 143                     | 33                     |
| 2420-03130        | 00000/0000                   | 2-20021/1706               | 03/17/76         | 60             | 5848            | 3725N                        | 10024E        | 40.5         | 133.8        | GGGG                  |                     |                      | 143                     | 34                     |
| 2420-03133        | 00000/0000                   | 2-20021/1707               | 03/17/76         | 90             | 5848            | 3559N                        | 09957E        | 41.2         | 132.5        | GGGG                  |                     |                      | 143                     | 35                     |
| 2420-03135        | 00000/0000                   | 2-20021/1708               | 03/17/76         | 70             | 5848            | 3433N                        | 09930E        | 42.0         | 131.2        | FGGG                  |                     |                      | 143                     | 36                     |
| 2420-03201        | 00000/0000                   | 2-20021/1709               | 03/17/76         | 10             | 5848            | 1301N                        | 09349E        | 49.5         | 107.9        | FGFF                  |                     |                      | 143                     | 51                     |
| 2420-03203        | 00000/0000                   | 2-20021/1710               | 03/17/76         | 10             | 5848            | 1134N                        | 09329E        | 49.7         | 105.2        | GFFF                  |                     |                      | 143                     | 52                     |
| 2420-03210        | 00000/0000                   | 2-20021/1711               | 03/17/76         | 10             | 5848            | 1008N                        | 09308E        | 49.9         | 104.4        | GGFF                  |                     |                      | 143                     | 53                     |
| 2420-03212        | 00000/0000                   | 2-20021/1712               | 03/17/76         | 10             | 5848            | 0842N                        | 09248E        | 50.0         | 102.6        | GGGG                  |                     |                      | 143                     | 54                     |
| 2420-03215        | 00000/0000                   | 2-20021/1713               | 03/17/76         | 30             | 5848            | 0715N                        | 09228E        | 50.0         | 100.8        | GGGG                  |                     |                      | 143                     | 55                     |
| 2420-03221        | 00000/0000                   | 2-20021/1714               | 03/17/76         | 30             | 5848            | 0547N                        | 09208E        | 50.1         | 99.1         | GGG                   |                     |                      | 143                     | 56                     |
| 2420-03224        | 00000/0000                   | 2-20021/1715               | 03/17/76         | 40             | 5848            | 0420N                        | 09148E        | 50.0         | 97.3         | GGGG                  |                     |                      | 143                     | 57                     |
| 2420-04553        | 00000/0000                   | 2-20021/1716               | 03/17/76         | 90             | 5849            | 4016N                        | 07536E        | 38.9         | 136.3        | GGGG                  |                     |                      | 161                     | 32                     |
| 2420-04555        | 00000/0000                   | 2-20021/1717               | 03/17/76         | 90             | 5849            | 3851N                        | 07506E        | 39.7         | 135.0        | GGGG                  |                     |                      | 161                     | 33                     |
| 2420-04562        | 00000/0000                   | 2-20021/1718               | 03/17/76         | 100            | 5849            | 3725N                        | 07438E        | 40.5         | 133.8        | GGGG                  |                     |                      | 161                     | 34                     |
| 2420-04564        | 00000/0000                   | 2-20021/1719               | 03/17/76         | 40             | 5849            | 3559N                        | 07410E        | 41.3         | 132.5        | GGGG                  |                     |                      | 161                     | 35                     |
| 2420-04571        | 00000/0000                   | 2-20021/1720               | 03/17/76         | 20             | 5849            | 3433N                        | 07343E        | 42.0         | 131.2        | GGGG                  |                     |                      | 161                     | 36                     |
| 2420-04573        | 00000/0000                   | 2-20021/1721               | 03/17/76         | 10             | 5849            | 3308N                        | 07317E        | 42.7         | 129.8        | GGGG                  |                     |                      | 161                     | 37                     |
| 2420-04580        | 00000/0000                   | 2-20021/1722               | 03/17/76         | 20             | 5849            | 3142N                        | 07251E        | 43.4         | 128.5        | GGGG                  |                     |                      | 161                     | 38                     |
| 2420-04582        | 00000/0000                   | 2-20021/1723               | 03/17/76         | 20             | 5849            | 3016N                        | 07227E        | 44.1         | 127.1        | GGGG                  |                     |                      | 161                     | 39                     |
| 2420-04585        | 00000/0000                   | 2-20021/1724               | 03/17/76         | 20             | 5849            | 2850N                        | 07202E        | 44.7         | 125.6        | GGGG                  |                     |                      | 161                     | 40                     |
| 2420-04591        | 00000/0000                   | 2-20021/1725               | 03/17/76         | 10             | 5849            | 2724N                        | 07139E        | 45.4         | 124.2        | GGGG                  |                     |                      | 161                     | 41                     |
| 2420-04594        | 00000/0000                   | 2-20021/1726               | 03/17/76         | 10             | 5849            | 2557N                        | 07115E        | 45.9         | 122.7        | GGGG                  |                     |                      | 161                     | 42                     |
| 2420-05000        | 00000/0000                   | 2-20021/1727               | 03/17/76         | 10             | 5849            | 2431N                        | 07052E        | 46.5         | 121.1        | GGGG                  |                     |                      | 161                     | 43                     |
| 2420-06385        | 00000/0000                   | 2-20021/1728               | 03/17/76         | 90             | 5850            | 4016N                        | 04947E        | 38.9         | 136.2        | GGFG                  |                     |                      | 179                     | 32                     |
| 2420-06391        | 00000/0000                   | 2-20021/1729               | 03/17/76         | 90             | 5850            | 3851N                        | 04917E        | 39.7         | 135.0        | GGGG                  |                     |                      | 179                     | 33                     |
| 2420-06580        | 00000/0000                   | 2-20021/1730               | 03/17/76         | 30             | 5850            | 2557S                        | 03954E        | 40.5         | 67.5         | FGGG                  |                     |                      | 179                     | 78                     |
| 2420-06582        | 00000/0000                   | 2-20021/1731               | 03/17/76         | 20             | 5850            | 2723S                        | 03230E        | 39.7         | 66.6         | FGGF                  |                     |                      | 179                     | 79                     |
| 2420-08184        | 00000/0000                   | 2-20022/0214               | 03/17/76         | 30             | 5851            | 5135N                        | 02832E        | 31.8         | 145.5        | GGGG                  |                     |                      | 197                     | 24                     |
| 2420-08191        | 00000/0000                   | 2-20021/1539               | 03/17/76         | 50             | 5851            | 5011N                        | 02751E        | 32.8         | 144.4        | GFGF                  |                     |                      | 197                     | 25                     |
| 2420-08193        | 00000/0000                   | 2-20021/1540               | 03/17/76         | 90             | 5851            | 4846N                        | 02713E        | 33.7         | 143.3        | FFGF                  |                     |                      | 197                     | 26                     |
| 2420-08200        | 00000/0000                   | 2-20021/1541               | 03/17/76         | 80             | 5851            | 4721N                        | 02636E        | 34.6         | 142.1        | FGFF                  |                     |                      | 197                     | 27                     |
| 2420-08293        | 00000/0000                   | 2-20021/1542               | 03/17/76         | 50             | 5851            | 1427N                        | 01642E        | 49.3         | 109.5        | FGFF                  |                     |                      | 197                     | 50                     |
| 2420-08300        | 00000/0000                   | 2-20021/1543               | 03/17/76         | 20             | 5851            | 1300N                        | 01621E        | 49.6         | 107.8        | GGGF                  |                     |                      | 197                     | 51                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA MODE | MSS<br>IMAGE GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|-----------------|-----------------------------------------|--------------|--------------|-----------------------|------------------|-------------------|-------------------------|------------------------|
| 2420-08302        | 00000/0000 2-20021/1544                        | 03/17/76         | 30                    | 5851            | 1133N 01401E                            | 49.7         | 106.0        | FFFF                  |                  |                   | 197                     | 52                     |
| 2420-09572        | 00000/0000 2-20021/1545                        | 03/17/76         | 20                    | 5852            | 6642N 01356E                            | 20.8         | 160.0        | GGGG                  |                  |                   | 215                     | 13                     |
| 2420-09575        | 00000/0000 2-20021/1546                        | 03/17/76         | 20                    | 5852            | 6522N 01227E                            | 21.8         | 158.3        | GGFG                  |                  |                   | 215                     | 14                     |
| 2420-15114        | 00000/0000 2-20022/0154                        | 03/17/76         | 10                    | 5855            | 5137N 07442W                            | 31.9         | 145.5        | GGGG                  |                  |                   | 18                      | 24                     |
| 2420-15121        | 00000/0000 2-20022/0155                        | 03/17/76         | 10                    | 5855            | 5012N 07522W                            | 32.9         | 144.4        | FGFG                  |                  |                   | 18                      | 25                     |
| 2420-15223        | 00000/0000 2-20022/0215                        | 03/17/76         | 40                    | 5855            | 1428N 08631W                            | 49.4         | 109.4        | GGGG                  |                  |                   | 18                      | 50                     |
| 2420-15230        | 00000/0000 2-20022/0216                        | 03/17/76         | 10                    | 5855            | 1301N 08651W                            | 49.6         | 107.6        | FGGF                  |                  |                   | 18                      | 51                     |
| 2420-15232        | 00000/0000 2-20022/0217                        | 03/17/76         | 10                    | 5855            | 1135N 08712W                            | 49.8         | 105.9        | GGGG                  |                  |                   | 18                      | 52                     |
| 2420-16553        | 00000/0000 2-20022/0170                        | 03/17/76         | 90                    | 5856            | 5012N 10112W                            | 32.9         | 144.4        | GGGG                  |                  |                   | 36                      | 25                     |
| 2420-17021        | 00000/0000 2-20022/0171                        | 03/17/76         | 0                     | 5856            | 2725N 10904W                            | 45.5         | 124.0        | GGGG                  |                  |                   | 36                      | 41                     |
| 2420-17023        | 00000/0000 2-20022/0172                        | 03/17/76         | 0                     | 5856            | 2559N 10927W                            | 46.1         | 122.5        | GGGG                  |                  |                   | 36                      | 42                     |
| 2420-17030        | 00000/0000 2-20022/0173                        | 03/17/76         | 10                    | 5856            | 2433N 10950W                            | 46.6         | 121.0        | GGGG                  |                  |                   | 36                      | 43                     |
| 2420-17032        | 00000/0000 2-20022/0174                        | 03/17/76         | 20                    | 5856            | 2307N 11012W                            | 47.1         | 119.4        | GGGG                  |                  |                   | 36                      | 44                     |
| 2420-17035        | 00000/0000 2-20022/0175                        | 03/17/76         | 70                    | 5856            | 2141N 11034W                            | 47.6         | 117.8        | FGGG                  |                  |                   | 36                      | 45                     |
| 2420-18384        | 00000/0000 2-20022/0211                        | 03/17/76         | 100                   | 5857            | 5013N 12700W                            | 32.9         | 144.4        | FGGG                  |                  |                   | 54                      | 25                     |
| 2421-03180        | 00000/0000 2-20022/0218                        | 03/18/76         | 10                    | 5862            | 4017N 09957E                            | 39.2         | 136.1        | GGGG                  |                  |                   | 144                     | 32                     |
| 2421-03182        | 00000/0000 2-20022/0219                        | 03/18/76         | 0                     | 5862            | 3851N 09928E                            | 40.0         | 134.8        | GGGG                  |                  |                   | 144                     | 33                     |
| 2421-03185        | 00000/0000 2-20022/0220                        | 03/18/76         | 10                    | 5862            | 3726N 09859E                            | 40.8         | 133.6        | GGGG                  |                  |                   | 144                     | 34                     |
| 2421-03191        | 00000/0000 2-20022/0221                        | 03/18/76         | 30                    | 5862            | 3600N 09832E                            | 41.6         | 132.3        | GGGG                  |                  |                   | 144                     | 35                     |
| 2421-03245        | 00000/0000 2-20022/0222                        | 03/18/76         | 10                    | 5862            | 1619N 09310E                            | 49.1         | 111.4        | GGFG                  |                  |                   | 144                     | 49                     |
| 2421-03252        | 00000/0000 2-20022/0223                        | 03/18/76         | 10                    | 5862            | 1453N 09249E                            | 49.4         | 109.6        | GGGG                  |                  |                   | 144                     | 50                     |
| 2421-03254        | 00000/0000 2-20022/0224                        | 03/18/76         | 10                    | 5862            | 1326N 09229E                            | 49.6         | 107.9        | GGFG                  |                  |                   | 144                     | 51                     |
| 2421-03261        | 00000/0000 2-20022/0225                        | 03/18/76         | 10                    | 5862            | 1159N 09208E                            | 49.8         | 106.1        | GGGF                  |                  |                   | 144                     | 52                     |
| 2421-03263        | 00000/0000 2-20022/0226                        | 03/18/76         | 10                    | 5862            | 1032N 09148E                            | 50.0         | 104.3        | GGGG                  |                  |                   | 144                     | 53                     |
| 2421-05050        | 00000/0000 2-20022/0239                        | 03/18/76         | 70                    | 5863            | 2725N 07013E                            | 45.7         | 123.8        | FGGF                  |                  |                   | 162                     | 41                     |
| 2421-07034        | 00000/0000 2-20022/0240                        | 03/18/76         | 10                    | 5864            | 2556S 03127E                            | 40.3         | 67.0         | GGGG                  |                  |                   | 180                     | 78                     |
| 2421-07040        | 00000/0000 2-20022/0241                        | 03/18/76         | 10                    | 5864            | 2722S 03104E                            | 39.5         | 66.1         | GGGG                  |                  |                   | 180                     | 79                     |
| 2421-08240        | 00000/0000 2-20022/0242                        | 03/18/76         | 30                    | 5865            | 5300N 02749E                            | 31.3         | 146.6        | GGGG                  |                  |                   | 198                     | 23                     |
| 2421-08245        | 00000/0000 2-20022/0243                        | 03/18/76         | 100                   | 5865            | 5012N 02627E                            | 33.2         | 144.3        | GGFG                  |                  |                   | 198                     | 25                     |
| 2421-15173        | 00000/0000 2-20022/0212                        | 03/18/76         | 0                     | 5869            | 5138N 07607W                            | 32.3         | 145.5        | GGGG                  |                  |                   | 19                      | 24                     |
| 2421-15175        | 00000/0000 2-20022/0213                        | 03/18/76         | 10                    | 5869            | 5014N 07646W                            | 33.2         | 144.3        | GGGF                  |                  |                   | 19                      | 25                     |
| 2421-15282        | 00000/0000 2-20022/0244                        | 03/18/76         | 20                    | 5869            | 1428N 08757W                            | 49.6         | 108.9        | GGGG                  |                  |                   | 19                      | 50                     |
| 2421-15284        | 00000/0000 2-20022/0245                        | 03/18/76         | 0                     | 5869            | 1302N 08817W                            | 49.8         | 107.1        | GGGG                  |                  |                   | 19                      | 51                     |
| 2421-17072        | 00000/0000 2-20022/0156                        | 03/18/76         | 50                    | 5870            | 2851N 11006W                            | 45.2         | 125.2        | GGF                   |                  |                   | 37                      | 40                     |
| 2421-17075        | 00000/0000 2-20022/0157                        | 03/18/76         | 30                    | 5870            | 2726N 11030W                            | 45.8         | 123.7        | GGGG                  |                  |                   | 37                      | 41                     |
| 2421-17081        | 00000/0000 2-20022/0158                        | 03/18/76         | 10                    | 5870            | 2600N 11053W                            | 46.4         | 122.1        | FGGF                  |                  |                   | 37                      | 42                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RSV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2421-17084        | 00000/0000 2-20022/0159                        | 03/18/76         | 10             | 5870            | 2433N                              | 11116W                              | 46.9         | 120.6        | FGFG                  |                     |                      | 37                      | 43                     |
| 2421-17090        | 00000/0000 2-20022/0160                        | 03/18/76         | 10             | 5870            | 2307N                              | 11139W                              | 47.4         | 119.0        | GFFG                  |                     |                      | 37                      | 44                     |
| 2421-17093        | 00000/0000 2-20022/0161                        | 03/18/76         | 10             | 5870            | 2140N                              | 11201W                              | 47.9         | 117.4        | FFFF                  |                     |                      | 37                      | 45                     |
| 2421-17095        | 00000/0000 2-20022/0162                        | 03/18/76         | 10             | 5870            | 2014N                              | 11223W                              | 48.3         | 115.7        | GFGG                  |                     |                      | 37                      | 46                     |
| 2422-01411        | 00000/0000 2-20022/0246                        | 03/19/76         | 40             | 5875            | 3724N                              | 12322E                              | 41.2         | 133.3        | FFGG                  |                     |                      | 127                     | 34                     |
| 2422-01425        | 00000/0000 2-20022/0247                        | 03/19/76         | 50             | 5875            | 3141N                              | 12137E                              | 44.1         | 127.9        | GFGG                  |                     |                      | 127                     | 38                     |
| 2422-01432        | 00000/0000 2-20022/0248                        | 03/19/76         | 60             | 5875            | 3015N                              | 12112E                              | 44.7         | 126.5        | GFGG                  |                     |                      | 127                     | 39                     |
| 2422-01434        | 00000/0000 2-20022/0249                        | 03/19/76         | 80             | 5875            | 2849N                              | 12048E                              | 45.4         | 125.0        | GGGG                  |                     |                      | 127                     | 40                     |
| 2422-01441        | 00000/0000 2-20022/0250                        | 03/19/76         | 90             | 5875            | 2723N                              | 12024E                              | 45.9         | 123.5        | GGGG                  |                     |                      | 127                     | 41                     |
| 2422-03234        | 00000/0000 2-20022/0251                        | 03/19/76         | 20             | 5876            | 4015N                              | 09431E                              | 39.6         | 135.9        | GFGG                  |                     |                      | 145                     | 32                     |
| 2422-03240        | 00000/0000 2-20022/0252                        | 03/19/76         | 10             | 5876            | 3849N                              | 09402E                              | 40.4         | 134.6        | GGGG                  |                     |                      | 145                     | 33                     |
| 2422-03272        | 00000/0000 2-20022/0253                        | 03/19/76         | 30             | 5876            | 2722N                              | 09436E                              | 46.0         | 123.5        | FGGG                  |                     |                      | 145                     | 41                     |
| 2422-03275        | 00000/0000 2-20022/0254                        | 03/19/76         | 20             | 5876            | 2556N                              | 09413E                              | 46.5         | 121.9        | GGGG                  |                     |                      | 145                     | 42                     |
| 2422-03281        | 00000/0000 2-20022/0255                        | 03/19/76         | 20             | 5876            | 2430N                              | 09350E                              | 47.1         | 120.4        | FGGG                  |                     |                      | 145                     | 43                     |
| 2422-03284        | 00000/0000 2-20022/0256                        | 03/19/76         | 10             | 5876            | 2304N                              | 09327E                              | 47.6         | 118.8        | GGGG                  |                     |                      | 145                     | 44                     |
| 2422-03290        | 00000/0000 2-20022/0257                        | 03/19/76         | 10             | 5876            | 2138N                              | 09305E                              | 48.0         | 117.1        | GGGG                  |                     |                      | 145                     | 45                     |
| 2422-03293        | 00000/0000 2-20022/0258                        | 03/19/76         | 10             | 5876            | 2011N                              | 09243E                              | 48.4         | 115.5        | GFFF                  |                     |                      | 145                     | 46                     |
| 2422-03295        | 00000/0000 2-20022/0259                        | 03/19/76         | 10             | 5876            | 1845N                              | 09221E                              | 48.8         | 113.8        | GGGG                  |                     |                      | 145                     | 47                     |
| 2422-03302        | 00000/0000 2-20022/0229                        | 03/19/76         | 0              | 5876            | 1718N                              | 09200E                              | 49.2         | 112.1        | F F                   |                     |                      | 145                     | 48                     |
| 2422-03304        | 00000/0000 2-20022/0230                        | 03/19/76         | 0              | 5876            | 1551N                              | 09139E                              | 49.5         | 110.3        | FFFF                  |                     |                      | 145                     | 49                     |
| 2422-03311        | 00000/0000 2-20022/0231                        | 03/19/76         | 10             | 5876            | 1425N                              | 09118E                              | 49.7         | 108.6        | FFFF                  |                     |                      | 145                     | 50                     |
| 2422-03313        | 00000/0000 2-20022/0232                        | 03/19/76         | 10             | 5876            | 1259N                              | 09057E                              | 49.9         | 106.8        | GFFG                  |                     |                      | 145                     | 51                     |
| 2422-03320        | 00000/0000 2-20022/0233                        | 03/19/76         | 10             | 5876            | 1133N                              | 09037E                              | 50.1         | 105.0        | GFFF                  |                     |                      | 145                     | 52                     |
| 2422-03322        | 00000/0000 2-20022/0234                        | 03/19/76         | 10             | 5876            | 1006N                              | 09016E                              | 50.2         | 103.2        | GFGG                  |                     |                      | 145                     | 53                     |
| 2422-03325        | 00000/0000 2-20022/0235                        | 03/19/76         | 20             | 5876            | 0839N                              | 08956E                              | 50.3         | 101.4        | GFGG                  |                     |                      | 145                     | 54                     |
| 2422-03331        | 00000/0000 2-20022/0236                        | 03/19/76         | 30             | 5876            | 0712N                              | 08937E                              | 50.3         | 99.6         | GGGG                  |                     |                      | 145                     | 55                     |
| 2422-03334        | 00000/0000 2-20022/0237                        | 03/19/76         | 30             | 5876            | 0546N                              | 08917E                              | 50.3         | 97.8         | GFGG                  |                     |                      | 145                     | 56                     |
| 2422-03340        | 00000/0000 2-20022/0238                        | 03/19/76         | 30             | 5876            | 0420N                              | 08858E                              | 50.3         | 96.1         | GFFF                  |                     |                      | 145                     | 57                     |
| 2422-06494        | 00000/0000 2-20022/0279                        | 03/19/76         | 40             | 5878            | 4143N                              | 04724E                              | 38.8         | 137.1        | GGGG                  |                     |                      | 181                     | 31                     |
| 2422-06501        | 00000/0000 2-20022/0280                        | 03/19/76         | 20             | 5878            | 4017N                              | 04654E                              | 39.7         | 135.9        | GGGG                  |                     |                      | 181                     | 32                     |
| 2422-06503        | 00000/0000 2-20022/0281                        | 03/19/76         | 10             | 5878            | 3852N                              | 04625E                              | 40.5         | 134.6        | GGGG                  |                     |                      | 181                     | 33                     |
| 2422-06510        | 00000/0000 2-20022/0282                        | 03/19/76         | 0              | 5878            | 3727N                              | 04557E                              | 41.2         | 133.3        | GGGG                  |                     |                      | 181                     | 34                     |
| 2422-06512        | 00000/0000 2-20022/0283                        | 03/19/76         | 10             | 5878            | 3601N                              | 04529E                              | 42.0         | 132.0        | GGGG                  |                     |                      | 181                     | 35                     |
| 2422-06515        | 00000/0000 2-20022/0284                        | 03/19/76         | 10             | 5878            | 3435N                              | 04502E                              | 42.7         | 130.7        | GGGG                  |                     |                      | 181                     | 36                     |
| 2422-06521        | 00000/0000 2-20022/0285                        | 03/19/76         | 10             | 5878            | 3309N                              | 04436E                              | 43.4         | 129.3        | GGGG                  |                     |                      | 181                     | 37                     |
| 2422-06524        | 00000/0000 2-20022/0286                        | 03/19/76         | 0              | 5878            | 3143N                              | 04411E                              | 44.1         | 127.9        | GGGG                  |                     |                      | 181                     | 38                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2422-07092        | 00000/0000                   | 2-20022/0287                | 03/19/76         | 90             | 5878            | 2556S                        | 03002E        | 40.1         | 66.5         | GGGG                  |                     |                      | 181                     | 78                     |
| 2422-07094        | 00000/0000                   | 2-20022/0288                | 03/19/76         | 100            | 5878            | 2722S                        | 02939E        | 39.3         | 65.7         | GGGG                  |                     |                      | 181                     | 79                     |
| 2422-08294        | 00000/0000                   | 2-20022/0289                | 03/19/76         | 10             | 5879            | 5302N                        | 02626E        | 31.6         | 146.5        | GGGG                  |                     |                      | 199                     | 23                     |
| 2422-08301        | 00000/0000                   | 2-20022/0290                | 03/19/76         | 0              | 5879            | 5138N                        | 02543E        | 32.6         | 145.4        | GGGG                  |                     |                      | 199                     | 24                     |
| 2422-08303        | 00000/0000                   | 2-20022/0291                | 03/19/76         | 50             | 5879            | 5013N                        | 02503E        | 33.5         | 144.2        | GGGG                  |                     |                      | 199                     | 25                     |
| 2422-08310        | 00000/0000                   | 2-20021/1733                | 03/19/76         | 80             | 5879            | 4848N                        | 02425E        | 34.5         | 143.1        | GGGG                  |                     |                      | 199                     | 26                     |
| 2422-08312        | 00000/0000                   | 2-20021/1734                | 03/19/76         | 40             | 5879            | 4724N                        | 02348E        | 35.4         | 141.9        | GGGG                  |                     |                      | 199                     | 27                     |
| 2422-08380        | 00000/0000                   | 2-20021/1735                | 03/19/76         | 30             | 5879            | 2433N                        | 01624E        | 47.1         | 120.3        | GGGG                  |                     |                      | 199                     | 43                     |
| 2422-08383        | 00000/0000                   | 2-20021/1736                | 03/19/76         | 10             | 5879            | 2307N                        | 01602E        | 47.6         | 118.7        | GGGG                  |                     |                      | 199                     | 44                     |
| 2422-08385        | 00000/0000                   | 2-20021/1737                | 03/19/76         | 0              | 5879            | 2141N                        | 01540E        | 48.1         | 117.1        | GGGG                  |                     |                      | 199                     | 45                     |
| 2422-08392        | 00000/0000                   | 2-20021/1738                | 03/19/76         | 0              | 5879            | 2015N                        | 01519E        | 48.5         | 115.4        | GGGG                  |                     |                      | 199                     | 46                     |
| 2422-08394        | 00000/0000                   | 2-20021/1739                | 03/19/76         | 0              | 5879            | 1848N                        | 01457E        | 48.9         | 113.7        | GGGG                  |                     |                      | 199                     | 47                     |
| 2422-08401        | 00000/0000                   | 2-20021/1740                | 03/19/76         | 0              | 5879            | 1722N                        | 01436E        | 49.2         | 112.0        | GGGG                  |                     |                      | 199                     | 48                     |
| 2422-08410        | 00000/0000                   | 2-20021/1741                | 03/19/76         | 0              | 5879            | 1427N                        | 01353E        | 49.8         | 108.5        | GGGG                  |                     |                      | 199                     | 50                     |
| 2422-08412        | 00000/0000                   | 2-20021/1742                | 03/19/76         | 0              | 5879            | 1301N                        | 01332E        | 50.0         | 106.7        | GGGG                  |                     |                      | 199                     | 51                     |
| 2422-10130        | 00000/0000                   | 2-20021/1743                | 03/19/76         | 40             | 5880            | 5259N                        | 00036E        | 31.7         | 146.5        | GGGG                  |                     |                      | 217                     | 23                     |
| 2422-10132        | 00000/0000                   | 2-20021/1744                | 03/19/76         | 50             | 5880            | 5136N                        | 00006W        | 32.6         | 145.4        | GGGG                  |                     |                      | 217                     | 24                     |
| 2422-10135        | 00000/0000                   | 2-20021/1745                | 03/19/76         | 80             | 5880            | 5012N                        | 00046W        | 33.6         | 144.2        | GGGG                  |                     |                      | 217                     | 25                     |
| 2422-15231        | 00000/0000                   | 2-20022/0227                | 03/19/76         | 90             | 5883            | 5135N                        | 07735W        | 32.7         | 145.3        | GGGG                  |                     |                      | 20                      | 24                     |
| 2422-15233        | 00000/0000                   | 2-20022/0228                | 03/19/76         | 100            | 5883            | 5011N                        | 07815W        | 33.7         | 144.2        | GGGG                  |                     |                      | 20                      | 25                     |
| 2422-15315        | 00000/0000                   | 2-20021/1746                | 03/19/76         | 10             | 5883            | 2139N                        | 08738W        | 48.1         | 116.9        | GGGG                  |                     |                      | 20                      | 45                     |
| 2422-15322        | 00000/0000                   | 2-20021/1747                | 03/19/76         | 20             | 5883            | 2012N                        | 08759W        | 48.6         | 115.2        | GGGG                  |                     |                      | 20                      | 46                     |
| 2422-15324        | 00000/0000                   | 2-20021/1748                | 03/19/76         | 40             | 5883            | 1846N                        | 08821W        | 48.9         | 113.5        | GGGG                  |                     |                      | 20                      | 47                     |
| 2422-15333        | 00000/0000                   | 2-20021/1749                | 03/19/76         | 40             | 5883            | 1552N                        | 08903W        | 49.6         | 110.1        | GGGG                  |                     |                      | 20                      | 49                     |
| 2422-15340        | 00000/0000                   | 2-20021/1750                | 03/19/76         | 20             | 5883            | 1426N                        | 08923W        | 49.8         | 108.3        | GGGG                  |                     |                      | 20                      | 50                     |
| 2422-17063        | 00000/0000                   | 2-20022/0163                | 03/19/76         | 90             | 5884            | 5135N                        | 10326W        | 32.8         | 145.3        | F                     |                     |                      | 38                      | 24                     |
| 2422-17065        | 00000/0000                   | 2-20022/0166                | 03/19/76         | 100            | 5884            | 5011N                        | 10406W        | 33.7         | 144.2        | GGGG                  |                     |                      | 38                      | 25                     |
| 2422-17131        | 00000/0000                   | 2-20022/0167                | 03/19/76         | 0              | 5884            | 2850N                        | 11132W        | 45.6         | 124.8        | GGGG                  |                     |                      | 38                      | 40                     |
| 2422-17133        | 00000/0000                   | 2-20022/0164                | 03/19/76         | 10             | 5884            | 2723N                        | 11156W        | 46.2         | 123.3        | G                     |                     |                      | 38                      | 41                     |
| 2422-17140        | 00000/0000                   | 2-20022/0168                | 03/19/76         | 10             | 5884            | 2556N                        | 11220W        | 46.7         | 121.7        | GGGG                  |                     |                      | 38                      | 42                     |
| 2422-17142        | 00000/0000                   | 2-20022/0169                | 03/19/76         | 30             | 5884            | 2430N                        | 11243W        | 47.2         | 120.1        | GGGG                  |                     |                      | 38                      | 43                     |
| 2422-17145        | 00000/0000                   | 2-20022/0165                | 03/19/76         | 50             | 5884            | 2304N                        | 11305W        | 47.7         | 118.5        | G                     |                     |                      | 38                      | 44                     |
| 2422-22100        | 00000/0000                   | 2-20022/0265                | 03/19/76         | 10             | 5887            | 7156N                        | 16151W        | 17.5         | 168.4        | PF                    |                     |                      | 92                      | 9                      |
| 2423-01451        | 00000/0000                   | 2-20021/1732                | 03/20/76         | 0              | 5889            | 4307N                        | 12356E        | 38.3         | 138.2        | G GG                  |                     |                      | 128                     | 30                     |
| 2423-01454        | 00000/0000                   | 2-20021/1751                | 03/20/76         | 0              | 5889            | 4142N                        | 12325E        | 39.1         | 136.9        | GGGG                  |                     |                      | 128                     | 31                     |
| 2423-01460        | 00000/0000                   | 2-20021/1752                | 03/20/76         | 0              | 5889            | 4016N                        | 12255E        | 40.0         | 135.7        | GGGG                  |                     |                      | 128                     | 32                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI NR./<br>POSITION IN RELI<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2423-01463        | 00000/0000                                     | 2-20021/1753     | 03/20/76       | 10              | 5889                               | 3851N                               | 12225E       | 40.8         | 134.4             |                     |                      |                         |                        |
| 2423-01465        | 00000/0000                                     | 2-20021/1754     | 03/20/76       | 10              | 5889                               | 3725N                               | 12157E       | 41.5         | 133.1             | FGGG                |                      | 128                     | 33                     |
| 2423-01472        | 00000/0000                                     | 2-20021/1755     | 03/20/76       | 0               | 5889                               | 3670N                               | 12130E       | 42.3         | 131.8             | GGGG                |                      | 128                     | 34                     |
| 2423-01474        | 00000/0000                                     | 2-20021/1756     | 03/20/76       | 0               | 5889                               | 3434N                               | 12103E       | 43.0         | 130.4             | FGFG                |                      | 128                     | 35                     |
| 2423-01483        | 00000/0000                                     | 2-20022/0266     | 03/20/76       | 0               | 5889                               | 3142N                               | 12012E       | 44.4         | 127.6             | GGFF                |                      | 128                     | 36                     |
| 2423-01492        | 00000/0000                                     | 2-20022/0267     | 03/20/76       | 50              | 5889                               | 2851N                               | 11924E       | 45.7         | 124.7             | GGGG                |                      | 128                     | 38                     |
| 2423-01495        | 00000/0000                                     | 2-20022/0268     | 03/20/76       | 100             | 5889                               | 2725N                               | 11900E       | 46.3         | 123.1             | PGGG                |                      | 128                     | 40                     |
| 2423-01501        | 00000/0000                                     | 2-20022/0269     | 03/20/76       | 100             | 5889                               | 2559N                               | 11836E       | 46.8         | 121.6             | GGGG                |                      | 128                     | 41                     |
| 2423-01504        | 00000/0000                                     | 2-20022/0270     | 03/20/76       | 100             | 5889                               | 2433N                               | 11813E       | 47.3         | 120.0             | GGGG                |                      | 128                     | 42                     |
| 2423-03292        | 00000/0000                                     | 2-20022/0271     | 03/20/76       | 10              | 5890                               | 4016N                               | 09704E       | 40.0         | 135.7             | GGGG                |                      | 128                     | 43                     |
| 2423-03295        | 00000/0000                                     | 2-20022/0272     | 03/20/76       | 10              | 5890                               | 3850N                               | 09635E       | 40.8         | 134.4             | FGFG                |                      | 146                     | 32                     |
| 2423-03301        | 00000/0000                                     | 2-20022/0273     | 03/20/76       | 10              | 5890                               | 3725N                               | 09607E       | 41.6         | 133.1             | GGGG                |                      | 146                     | 33                     |
| 2423-03333        | 00000/0000                                     | 2-20022/0274     | 03/20/76       | 10              | 5890                               | 2557N                               | 09246E       | 46.8         | 121.6             | GGGG                |                      | 146                     | 34                     |
| 2423-03340        | 00000/0000                                     | 2-20022/0275     | 03/20/76       | 10              | 5890                               | 2430N                               | 09223E       | 47.4         | 120.0             | GGGG                |                      | 146                     | 42                     |
| 2423-03342        | 00000/0000                                     | 2-20022/0276     | 03/20/76       | 10              | 5890                               | 2304N                               | 09201E       | 47.8         | 118.4             | GGGG                |                      | 146                     | 43                     |
| 2423-03345        | 00000/0000                                     | 2-20022/0277     | 03/20/76       | 10              | 5890                               | 2137N                               | 09139E       | 48.3         | 116.7             | GGGG                |                      | 146                     | 44                     |
| 2423-03351        | 00000/0000                                     | 2-20022/0278     | 03/20/76       | 10              | 5890                               | 2011N                               | 09117E       | 48.7         | 115.0             | GGGG                |                      | 146                     | 45                     |
| 2423-05130        | 00000/0000                                     | 2-20022/0292     | 03/20/76       | 20              | 5891                               | 3850N                               | 07048E       | 40.8         | 134.4             | GGGG                |                      | 146                     | 46                     |
| 2423-08323        | 00000/0000                                     | 2-20022/0293     | 03/20/76       | 10              | 5893                               | 6244N                               | 03124E       | 25.0         | 155.4             | GGGG                |                      | 164                     | 33                     |
| 2423-08325        | 00000/0000                                     | 2-20022/0367     | 03/20/76       | 10              | 5893                               | 6122N                               | 03017E       | 26.1         | 154.0             | GGGG                |                      | 200                     | 16                     |
| 2423-08361        | 00000/0000                                     | 2-20022/0368     | 03/20/76       | 90              | 5893                               | 5014N                               | 02337E       | 33.9         | 144.1             | FFGG                |                      | 200                     | 17                     |
| 2423-08434        | 00000/0000                                     | 2-20022/0369     | 03/20/76       | 10              | 5893                               | 2434N                               | 01456E       | 47.4         | 119.9             | FGGF                |                      | 200                     | 25                     |
| 2423-08441        | 00000/0000                                     | 2-20022/0370     | 03/20/76       | 10              | 5893                               | 2308N                               | 01434E       | 47.9         | 118.3             | FGGF                |                      | 200                     | 43                     |
| 2423-08443        | 00000/0000                                     | 2-20022/0371     | 03/20/76       | 10              | 5893                               | 2142N                               | 01412E       | 48.3         | 116.7             | FGGG                |                      | 200                     | 44                     |
| 2423-08450        | 00000/0000                                     | 2-20022/0372     | 03/20/76       | 10              | 5893                               | 2015N                               | 01351E       | 48.7         | 115.0             | GGGG                |                      | 200                     | 45                     |
| 2423-08452        | 00000/0000                                     | 2-20022/0373     | 03/20/76       | 10              | 5893                               | 1849N                               | 01329E       | 49.1         | 113.3             | FFGG                |                      | 200                     | 46                     |
| 2423-08461        | 00000/0000                                     | 2-20022/0374     | 03/20/76       | 60              | 5893                               | 1556N                               | 01247E       | 49.7         | 109.8             | FGGF                |                      | 200                     | 47                     |
| 2423-08464        | 00000/0000                                     | 2-20022/0375     | 03/20/76       | 10              | 5893                               | 1430N                               | 01226E       | 50.2         | 108.0             | FGGG                |                      | 200                     | 49                     |
| 2423-08470        | 00000/0000                                     | 2-20022/0376     | 03/20/76       | 0               | 5893                               | 1302N                               | 01206E       | 50.2         | 106.2             | GGFG                |                      | 200                     | 50                     |
| 2423-08473        | 00000/0000                                     | 2-20022/0377     | 03/20/76       | 0               | 5893                               | 1136N                               | 01145E       | 50.3         | 104.4             | GGGG                |                      | 200                     | 51                     |
| 2423-08475        | 00000/0000                                     | 2-20022/0334     | 03/20/76       | 40              | 5893                               | 1009N                               | 01125E       | 50.4         | 102.6             | FGGG                |                      | 200                     | 52                     |
| 2423-08482        | 00000/0000                                     | 2-20022/0335     | 03/20/76       | 80              | 5893                               | 0842N                               | 01104E       | 50.5         | 100.8             | FGGG                |                      | 200                     | 53                     |
| 2423-10193        | 00000/0000                                     | 2-20022/0336     | 03/20/76       | 50              | 5894                               | 5013N                               | 00211W       | 34.0         | 144.1             | GGG                 |                      | 200                     | 54                     |
| 2423-15374        | 00000/0000                                     | 2-20022/0337     | 03/20/76       | 30              | 5897                               | 2140N                               | 08903W       | 48.4         | 116.5             | GGG                 |                      | 218                     | 25                     |
| 2423-15380        | 00000/0000                                     | 2-20022/0338     | 03/20/76       | 30              | 5897                               | 2014N                               | 08924W       | 48.8         | 114.8             | FGGG                |                      | 21                      | 45                     |
| 2423-15383        | 00000/0000                                     | 2-20022/0339     | 03/20/76       | 30              | 5897                               | 1847N                               | 08946W       | 49.2         | 113.1             | FGGG                |                      | 21                      | 46                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>REV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2423-15385        | 00000/0000                                     | 2-20022/0340     | 03/20/76    | 40              | 5897                               | 1721N                               | 09007W       | 49.5         | 111.4                 | GGG                 |                      | 21                      | 48                     |
| 2423-15392        | 00000/0000                                     | 2-20022/0341     | 03/20/76    | 70              | 5897                               | 1554N                               | 09028W       | 49.8         | 109.6                 | GGG                 |                      | 21                      | 49                     |
| 2423-15394        | 00000/0000                                     | 2-20022/0342     | 03/20/76    | 80              | 5897                               | 1428N                               | 09049W       | 50.0         | 107.8                 | FG G                |                      | 21                      | 50                     |
| 2423-17123        | 00000/0000                                     | 2-20022/0261     | 03/20/76    | 90              | 5898                               | 5013N                               | 10530W       | 34.1         | 144.1                 | GGGG                |                      | 39                      | 25                     |
| 2423-17185        | 00000/0000                                     | 2-20022/0262     | 03/20/76    | 0               | 5898                               | 2851N                               | 11258W       | 45.9         | 124.5                 | FFGG                |                      | 39                      | 40                     |
| 2423-17191        | 00000/0000                                     | 2-20022/0263     | 03/20/76    | 0               | 5898                               | 2725N                               | 11322W       | 46.5         | 122.9                 | GGGG                |                      | 39                      | 41                     |
| 2423-17194        | 00000/0000                                     | 2-20022/0264     | 03/20/76    | 60              | 5898                               | 2558N                               | 11345W       | 47.0         | 121.4                 | GGGG                |                      | 39                      | 42                     |
| 2423-22160        | 00000/0000                                     | 2-20022/0260     | 03/20/76    | 10              | 5901                               | 7042N                               | 16535W       | 18.9         | 166.1                 | GFGG                |                      | 93                      | 10                     |
| 2424-01510        | 00000/0000                                     | 2-20022/0343     | 03/21/76    | 10              | 5903                               | 4308N                               | 12230E       | 38.7         | 138.0                 | GGGG                |                      | 129                     | 30                     |
| 2424-01512        | 00000/0000                                     | 2-20022/0344     | 03/21/76    | 40              | 5903                               | 4143N                               | 12159E       | 39.5         | 136.8                 | GGG                 |                      | 129                     | 31                     |
| 2424-01515        | 00000/0000                                     | 2-20022/0345     | 03/21/76    | 40              | 5903                               | 4017N                               | 12129E       | 40.3         | 135.5                 | GGGG                |                      | 129                     | 32                     |
| 2424-01521        | 00000/0000                                     | 2-20022/0346     | 03/21/76    | 20              | 5903                               | 3852N                               | 12059E       | 41.1         | 134.2                 | FGGG                |                      | 129                     | 33                     |
| 2424-01524        | 00000/0000                                     | 2-20022/0347     | 03/21/76    | 0               | 5903                               | 3727N                               | 12031E       | 41.9         | 132.9                 | GGG                 |                      | 129                     | 34                     |
| 2424-01530        | 00000/0000                                     | 2-20022/0348     | 03/21/76    | 10              | 5903                               | 3601N                               | 12004E       | 42.6         | 131.5                 | FGGG                |                      | 129                     | 35                     |
| 2424-01533        | 00000/0000                                     | 2-20022/0349     | 03/21/76    | 10              | 5903                               | 3435N                               | 11937E       | 43.4         | 130.2                 | FGGG                |                      | 129                     | 36                     |
| 2424-01535        | 00000/0000                                     | 2-20022/0330     | 03/21/76    | 40              | 5903                               | 3310N                               | 11911E       | 44.1         | 128.8                 | G GG                |                      | 129                     | 37                     |
| 2424-01542        | 00000/0000                                     | 2-20022/0331     | 03/21/76    | 70              | 5903                               | 3144N                               | 11846E       | 44.7         | 127.3                 | G GG                |                      | 129                     | 38                     |
| 2424-01544        | 00000/0000                                     | 2-20022/0332     | 03/21/76    | 20              | 5903                               | 3017N                               | 11821E       | 45.4         | 125.8                 | G GG                |                      | 129                     | 39                     |
| 2424-01551        | 00000/0000                                     | 2-20022/0333     | 03/21/76    | 80              | 5903                               | 2851N                               | 11757E       | 46.0         | 124.3                 | G GG                |                      | 129                     | 40                     |
| 2424-01556        | 00000/0000                                     | 2-20022/0350     | 03/21/76    | 100             | 5903                               | 2308N                               | 11624E       | 48.1         | 118.0                 | GGGG                |                      | 129                     | 44                     |
| 2424-03350        | 00000/0000                                     | 2-20022/0351     | 03/21/76    | 0               | 5904                               | 4016N                               | 09538E       | 40.4         | 135.5                 | GGGG                |                      | 147                     | 32                     |
| 2424-03355        | 00000/0000                                     | 2-20022/0352     | 03/21/76    | 40              | 5904                               | 3725N                               | 09441E       | 41.9         | 132.9                 | GFGF                |                      | 147                     | 34                     |
| 2424-03391        | 00000/0000                                     | 2-20022/0353     | 03/21/76    | 10              | 5904                               | 2559N                               | 09120E       | 47.1         | 121.2                 | FGGG                |                      | 147                     | 42                     |
| 2424-03394        | 00000/0000                                     | 2-20022/0354     | 03/21/76    | 10              | 5904                               | 2432N                               | 09057E       | 47.6         | 119.6                 | FGGG                |                      | 147                     | 43                     |
| 2424-03400        | 00000/0000                                     | 2-20022/0355     | 03/21/76    | 0               | 5904                               | 2306N                               | 09034E       | 48.1         | 118.0                 | GGGG                |                      | 147                     | 44                     |
| 2424-03403        | 00000/0000                                     | 2-20022/0356     | 03/21/76    | 20              | 5904                               | 2139N                               | 09012E       | 48.6         | 116.3                 | FGGG                |                      | 147                     | 45                     |
| 2424-03405        | 00000/0000                                     | 2-20022/0357     | 03/21/76    | 30              | 5904                               | 2013N                               | 08950E       | 49.0         | 114.6                 | FGGG                |                      | 147                     | 46                     |
| 2424-03412        | 00000/0000                                     | 2-20022/0358     | 03/21/76    | 20              | 5904                               | 1847N                               | 08929E       | 49.3         | 112.9                 | FGGF                |                      | 147                     | 47                     |
| 2424-03421        | 00000/0000                                     | 2-20022/0359     | 03/21/76    | 10              | 5904                               | 1554N                               | 08846E       | 49.9         | 109.3                 | FFGF                |                      | 147                     | 49                     |
| 2424-03423        | 00000/0000                                     | 2-20022/0360     | 03/21/76    | 10              | 5904                               | 1427N                               | 08825E       | 50.1         | 107.6                 | FFFG                |                      | 147                     | 50                     |
| 2424-03430        | 00000/0000                                     | 2-20022/0361     | 03/21/76    | 10              | 5904                               | 1301N                               | 08805E       | 50.3         | 105.8                 | FGGG                |                      | 147                     | 51                     |
| 2424-03432        | 00000/0000                                     | 2-20022/0362     | 03/21/76    | 20              | 5904                               | 1134N                               | 08744E       | 50.5         | 103.9                 | FFGG                |                      | 147                     | 52                     |
| 2424-03435        | 00000/0000                                     | 2-20022/0363     | 03/21/76    | 30              | 5904                               | 1007N                               | 08724E       | 50.6         | 102.1                 | FFGG                |                      | 147                     | 53                     |
| 2424-03441        | 00000/0000                                     | 2-20022/0364     | 03/21/76    | 30              | 5904                               | 0841N                               | 08704E       | 50.6         | 100.3                 | GFGG                |                      | 147                     | 54                     |
| 2424-03450        | 00000/0000                                     | 2-20022/0365     | 03/21/76    | 20              | 5904                               | 0548N                               | 08624E       | 50.6         | 96.7                  | FFGF                |                      | 147                     | 56                     |
| 2424-03453        | 00000/0000                                     | 2-20022/0366     | 03/21/76    | 50              | 5904                               | 0421N                               | 08604E       | 50.5         | 94.9                  | GFGG                |                      | 147                     | 57                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM REEL NO. / POSITION IN REEL | DATE ACQUIRED | CLOUD COVER | ORBIT NUMBER | PRINCIPAL POINT OF IMAGE | SUN ELEV. | SUN AZIM. | IMAGE QUAL | MSS DATA | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME ROW NUMBER |
|----------------|---------------------------------------|---------------|-------------|--------------|--------------------------|-----------|-----------|------------|----------|----------------|-------------------|------------------|
|                | RBV                                   |               |             |              | LAT                      |           |           | 123 45678  | MODE     |                |                   |                  |
| 2424-05182     | 00000/0000                            | 2-20022/0378  | 03/21/76    | 10           | 5905                     | 4017N     | 06951E    | 40.4       | 135.5    | GGGG           | 165               | 32               |
| 2424-05184     | 00000/0000                            | 2-20022/0379  | 03/21/76    | 0            | 5905                     | 3842N     | 06922E    | 41.2       | 134.2    | GGGG           | 165               | 33               |
| 2424-05191     | 00000/0000                            | 2-20022/0380  | 03/21/76    | 0            | 5905                     | 3725N     | 06853E    | 42.0       | 132.9    | GGGG           | 165               | 34               |
| 2424-06561     | 00000/0000                            | 2-20022/0294  | 03/21/76    | 0            | 5906                     | 5834N     | 05241E    | 28.5       | 151.3    | GGGG           | 183               | 19               |
| 2424-06563     | 00000/0000                            | 2-20022/0295  | 03/21/76    | 0            | 5906                     | 5711N     | 05146E    | 29.5       | 150.0    | GGG            | 183               | 20               |
| 2424-06570     | 00000/0000                            | 2-20022/0296  | 03/21/76    | 10           | 5906                     | 5548N     | 05055E    | 30.5       | 148.8    | FGFG           | 183               | 21               |
| 2424-06572     | 00000/0000                            | 2-20022/0297  | 03/21/76    | 10           | 5906                     | 5424N     | 05007E    | 31.4       | 147.6    | FFGG           | 183               | 22               |
| 2424-06575     | 00000/0000                            | 2-20022/0298  | 03/21/76    | 0            | 5906                     | 5301N     | 04922E    | 32.4       | 146.4    | FFGG           | 183               | 23               |
| 2424-06581     | 00000/0000                            | 2-20022/0299  | 03/21/76    | 20           | 5906                     | 5137N     | 04839E    | 33.4       | 145.2    | FFFG           | 183               | 24               |
| 2424-06584     | 00000/0000                            | 2-20022/0300  | 03/21/76    | 100          | 5906                     | 5012N     | 04759E    | 34.3       | 144.0    | FFGG           | 183               | 25               |
| 2424-06590     | 00000/0000                            | 2-20022/0301  | 03/21/76    | 100          | 5906                     | 4847N     | 04721E    | 35.2       | 142.8    | FFGG           | 183               | 26               |
| 2424-06593     | 00000/0000                            | 2-20022/0302  | 03/21/76    | 100          | 5906                     | 4723N     | 04645E    | 36.1       | 141.6    | FGGG           | 183               | 27               |
| 2424-06595     | 00000/0000                            | 2-20022/0303  | 03/21/76    | 100          | 5906                     | 4598N     | 04610E    | 37.0       | 140.4    | FGFG           | 183               | 28               |
| 2424-07002     | 00000/0000                            | 2-20022/0304  | 03/21/76    | 100          | 5906                     | 4433N     | 04536E    | 37.9       | 139.2    | GGGG           | 183               | 29               |
| 2424-07004     | 00000/0000                            | 2-20022/0305  | 03/21/76    | 100          | 5906                     | 4307N     | 04503E    | 38.8       | 138.0    | GGGG           | 183               | 30               |
| 2424-07011     | 00000/0000                            | 2-20022/0306  | 03/21/76    | 90           | 5906                     | 4142N     | 04432E    | 39.6       | 136.7    | GGGG           | 183               | 31               |
| 2424-07013     | 00000/0000                            | 2-20022/0307  | 03/21/76    | 90           | 5906                     | 4017N     | 04402E    | 40.4       | 135.5    | GGGG           | 183               | 32               |
| 2424-08375     | 00000/0000                            | 2-20022/0401  | 03/21/76    | 50           | 5907                     | 6403N     | 03110E    | 24.4       | 156.8    | GGGG           | 201               | 15               |
| 2424-08381     | 00000/0000                            | 2-20021/1757  | 03/21/76    | 10           | 5907                     | 6241N     | 02957E    | 25.5       | 155.3    | GGGG           | 201               | 16               |
| 2424-08384     | 00000/0000                            | 2-20021/1758  | 03/21/76    | 0            | 5907                     | 6118N     | 02849E    | 26.5       | 153.9    | GGGG           | 201               | 17               |
| 2424-08390     | 00000/0000                            | 2-20021/1759  | 03/21/76    | 0            | 5907                     | 5955N     | 02747E    | 27.5       | 152.6    | GGGG           | 201               | 18               |
| 2424-08393     | 00000/0000                            | 2-20021/1760  | 03/21/76    | 10           | 5907                     | 5832N     | 02650E    | 28.5       | 151.3    | GGGG           | 201               | 19               |
| 2424-08395     | 00000/0000                            | 2-20021/1761  | 03/21/76    | 30           | 5907                     | 5709N     | 02556E    | 29.5       | 150.0    | GGGG           | 201               | 20               |
| 2424-08402     | 00000/0000                            | 2-20021/1762  | 03/21/76    | 80           | 5907                     | 5547N     | 02505E    | 30.5       | 148.8    | GGGG           | 201               | 21               |
| 2424-08404     | 00000/0000                            | 2-20021/1763  | 03/21/76    | 100          | 5907                     | 5423N     | 02417E    | 31.5       | 147.6    | GG F           | 201               | 22               |
| 2424-08411     | 00000/0000                            | 2-20021/1764  | 03/21/76    | 100          | 5907                     | 5258N     | 02332E    | 32.4       | 146.4    | GF G           | 201               | 23               |
| 2424-08513     | 00000/0000                            | 2-20021/1765  | 03/21/76    | 100          | 5907                     | 1720N     | 01140E    | 49.7       | 111.0    | GGF            | 201               | 48               |
| 2424-08520     | 00000/0000                            | 2-20021/1766  | 03/21/76    | 80           | 5907                     | 1553N     | 01119E    | 50.0       | 109.2    | GGGG           | 201               | 49               |
| 2424-08522     | 00000/0000                            | 2-20021/1767  | 03/21/76    | 0            | 5907                     | 1426N     | 01058E    | 50.2       | 107.4    | FGGG           | 201               | 50               |
| 2424-08525     | 00000/0000                            | 2-20021/1768  | 03/21/76    | 0            | 5907                     | 1300N     | 01037E    | 50.4       | 105.6    | GGGG           | 201               | 51               |
| 2424-08531     | 00000/0000                            | 2-20021/1781  | 03/21/76    | 50           | 5907                     | 1133N     | 01017E    | 50.5       | 103.8    | GGGG           | 201               | 52               |
| 2424-10245     | 00000/0000                            | 2-20021/1782  | 03/21/76    | 100          | 5908                     | 5135N     | 00257W    | 33.4       | 145.2    | GGGG           | 219               | 24               |
| 2424-10251     | 00000/0000                            | 2-20021/1783  | 03/21/76    | 100          | 5908                     | 5011N     | 00338W    | 34.4       | 144.0    | GGGG           | 219               | 25               |
| 2424-10254     | 00000/0000                            | 2-20021/1784  | 03/21/76    | 100          | 5908                     | 4846N     | 00416W    | 35.3       | 142.8    | GGGG           | 219               | 26               |
| 2424-13471     | 00000/0000                            | 2-20021/1785  | 03/21/76    | 10           | 5910                     | 6526N     | 04452W    | 23.4       | 158.4    | GGGG           | 4                 | 14               |
| 2424-15264     | 00000/0000                            | 2-20021/1786  | 03/21/76    | 100          | 5911                     | 7640N     | 04826W    | 13.8       | 181.8    | FGGF           | 22                | 5                |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD; NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RSL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2424-15270        | 00000/0000                   | 2-20021/1787               | 03/21/76         | 90             | 5911            | 7534N                              | 05228W                              | 11.9         | 177.8        |                                    |                     |                      | 22                      | 6                      |
| 2424-15432        | 00000/0000                   | 2-20021/1788               | 03/21/76         | 40             | 5911            | 2141N                              | 09028W                              | 48.7         | 116.1        | FGGF                               |                     |                      | 22                      | 45                     |
| 2424-15434        | 00000/0000                   | 2-20021/1789               | 03/21/76         | 30             | 5911            | 2014N                              | 09050W                              | 49.1         | 114.4        | GFGG                               |                     |                      | 22                      | 46                     |
| 2424-15441        | 00000/0000                   | 2-20021/1790               | 03/21/76         | 10             | 5911            | 1848N                              | 09112W                              | 49.4         | 112.6        | GFGG                               |                     |                      | 22                      | 47                     |
| 2424-15450        | 00000/0000                   | 2-20021/1791               | 03/21/76         | 40             | 5911            | 1555N                              | 09154W                              | 50.0         | 109.1        | GGG                                |                     |                      | 22                      | 49                     |
| 2424-15452        | 00000/0000                   | 2-20021/1792               | 03/21/76         | 20             | 5911            | 1428N                              | 09214W                              | 50.2         | 107.3        | GGGG                               |                     |                      | 22                      | 50                     |
| 2424-17163        | 00000/0000                   | 2-20022/0407               | 03/21/76         | 10             | 5912            | 5549N                              | 10402W                              | 30.6         | 148.8        | GGGG                               |                     |                      | 40                      | 21                     |
| 2424-17170        | 00000/0000                   | 2-20022/0406               | 03/21/76         | 70             | 5912            | 5426N                              | 10449W                              | 31.6         | 147.6        | F                                  |                     |                      | 40                      | 22                     |
| 2424-17172        | 00000/0000                   | 2-20022/0408               | 03/21/76         | 90             | 5912            | 5302N                              | 10534W                              | 32.6         | 146.4        | FG                                 |                     |                      | 40                      | 23                     |
| 2424-17175        | 00000/0000                   | 2-20022/0409               | 03/21/76         | 90             | 5912            | 5138N                              | 10617W                              | 33.5         | 145.2        | FFGG                               |                     |                      | 40                      | 24                     |
| 2424-17181        | 00000/0000                   | 2-20022/0410               | 03/21/76         | 30             | 5912            | 5013N                              | 10656W                              | 34.5         | 144.0        | FGGG                               |                     |                      | 40                      | 25                     |
| 2424-17243        | 00000/0000                   | 2-20022/0411               | 03/21/76         | 0              | 5912            | 2851N                              | 11423W                              | 46.2         | 124.1        | FGPG                               |                     |                      | 40                      | 40                     |
| 2424-17245        | 00000/0000                   | 2-20022/0412               | 03/21/76         | 10             | 5912            | 2725N                              | 11447W                              | 46.8         | 122.6        | FGGG                               |                     |                      | 40                      | 41                     |
| 2424-20372        | 00000/0000                   | 2-20022/0019               | 03/21/76         | 40             | 5914            | 7423N                              | 13323W                              | 16.1         | 174.3        | GGFF                               |                     |                      | 76                      | 7                      |
| 2424-20374        | 00000/0000                   | 2-20022/0020               | 03/21/76         | 10             | 5914            | 7311N                              | 13622W                              | 17.2         | 171.2        | FFFF                               |                     |                      | 76                      | 8                      |
| 2424-20381        | 00000/0000                   | 2-20022/0021               | 03/21/76         | 10             | 5914            | 7156N                              | 13858W                              | 18.2         | 168.5        | GGFF                               |                     |                      | 76                      | 9                      |
| 2424-22212        | 00000/0000                   | 2-20022/0022               | 03/21/76         | 10             | 5915            | 7156N                              | 16448W                              | 18.3         | 168.5        | GGGG                               |                     |                      | 94                      | 9                      |
| 2424-22215        | 00000/0000                   | 2-20022/0023               | 03/21/76         | 10             | 5915            | 7041N                              | 16707W                              | 19.4         | 166.1        | GGFG                               |                     |                      | 94                      | 10                     |
| 2424-22221        | 00000/0000                   | 2-20022/0024               | 03/21/76         | 10             | 5915            | 6923N                              | 16909W                              | 20.4         | 163.9        | GGGG                               |                     |                      | 94                      | 11                     |
| 2424-22224        | 00000/0000                   | 2-20022/0025               | 03/21/76         | 30             | 5915            | 6804N                              | 17057W                              | 21.5         | 161.9        | FGGG                               |                     |                      | 94                      | 12                     |
| 2425-01564        | 00000/0000                   | 2-20021/1769               | 03/22/76         | 70             | 5917            | 4309N                              | 12105E                              | 39.0         | 137.9        | FGGF                               |                     |                      | 130                     | 30                     |
| 2425-01570        | 00000/0000                   | 2-20021/1770               | 03/22/76         | 50             | 5917            | 4144N                              | 12034E                              | 39.9         | 136.6        | GGGG                               |                     |                      | 130                     | 31                     |
| 2425-01573        | 00000/0000                   | 2-20021/1771               | 03/22/76         | 10             | 5917            | 4019N                              | 12003E                              | 40.7         | 135.3        | GGGG                               |                     |                      | 130                     | 32                     |
| 2425-01575        | 00000/0000                   | 2-20021/1772               | 03/22/76         | 20             | 5917            | 3853N                              | 11934E                              | 41.5         | 134.0        | GGFG                               |                     |                      | 130                     | 33                     |
| 2425-01582        | 00000/0000                   | 2-20021/1773               | 03/22/76         | 80             | 5917            | 3727N                              | 11905E                              | 42.2         | 132.7        | GGGG                               |                     |                      | 130                     | 34                     |
| 2425-01584        | 00000/0000                   | 2-20021/1774               | 03/22/76         | 30             | 5917            | 3602N                              | 11838E                              | 43.0         | 131.3        | GGGG                               |                     |                      | 130                     | 35                     |
| 2425-01591        | 00000/0000                   | 2-20021/1775               | 03/22/76         | 10             | 5917            | 3436N                              | 11811E                              | 43.7         | 129.9        | GGGG                               |                     |                      | 130                     | 36                     |
| 2425-01593        | 00000/0000                   | 2-20021/1776               | 03/22/76         | 10             | 5917            | 3311N                              | 11745E                              | 44.4         | 128.5        | GGGG                               |                     |                      | 130                     | 37                     |
| 2425-02000        | 00000/0000                   | 2-20021/1777               | 03/22/76         | 60             | 5917            | 3145N                              | 11720E                              | 45.1         | 127.0        | GGG                                |                     |                      | 130                     | 38                     |
| 2425-02002        | 00000/0000                   | 2-20021/1778               | 03/22/76         | 90             | 5917            | 3019N                              | 11655E                              | 45.7         | 125.5        | FGGG                               |                     |                      | 130                     | 39                     |
| 2425-02005        | 00000/0000                   | 2-20021/1779               | 03/22/76         | 90             | 5917            | 2853N                              | 11631E                              | 46.3         | 124.0        | GGFG                               |                     |                      | 130                     | 40                     |
| 2425-02011        | 00000/0000                   | 2-20021/1780               | 03/22/76         | 100            | 5917            | 2726N                              | 11607E                              | 46.9         | 122.5        | FGGG                               |                     |                      | 130                     | 41                     |
| 2425-02014        | 00000/0000                   | 2-20022/0383               | 03/22/76         | 100            | 5917            | 2600N                              | 11544E                              | 47.4         | 120.9        | GGGG                               |                     |                      | 130                     | 42                     |
| 2425-02020        | 00000/0000                   | 2-20022/0384               | 03/22/76         | 100            | 5917            | 2434N                              | 11521E                              | 47.9         | 119.2        | GGFG                               |                     |                      | 130                     | 43                     |
| 2425-02023        | 00000/0000                   | 2-20022/0385               | 03/22/76         | 90             | 5917            | 2307N                              | 11459E                              | 48.4         | 117.6        | GGGG                               |                     |                      | 130                     | 44                     |
| 2425-03404        | 00000/0000                   | 2-20022/1386               | 03/22/76         | 10             | 5918            | 4018N                              | 09414E                              | 40.7         | 135.3        | GGGF                               |                     |                      | 148                     | 32                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI. NR./<br>POSITION IN RELI<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-----------------------------------------------------|------------------|----------------|------------------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2425-03443        | 00000/0000 2-20022/0387                             | 03/22/76         | 10             | 5918                   | 2726N                                   | 09018E       | 46.9         | 122.4                 | GGGG                |                      | 148                     | 41                     |
| 2425-03445        | 00000/0000 2-20022/0388                             | 03/22/76         | 60             | 5918                   | 2600N                                   | 08955E       | 47.4         | 120.8                 | GGGG                |                      | 148                     | 42                     |
| 2425-03452        | 00000/0000 2-20022/0389                             | 03/22/76         | 50             | 5918                   | 2433N                                   | 08932E       | 47.9         | 119.2                 | GGGG                |                      | 148                     | 43                     |
| 2425-03454        | 00000/0000 2-20022/0390                             | 03/22/76         | 40             | 5918                   | 2307N                                   | 08910E       | 48.4         | 117.5                 | GGGG                |                      | 148                     | 44                     |
| 2425-03461        | 00000/0000 2-20022/0391                             | 03/22/76         | 40             | 5918                   | 2141N                                   | 08847E       | 48.8         | 115.9                 | GGGG                |                      | 148                     | 45                     |
| 2425-03463        | 00000/0000 2-20022/0392                             | 03/22/76         | 10             | 5918                   | 2014N                                   | 08825E       | 49.2         | 114.1                 | GGGG                |                      | 148                     | 46                     |
| 2425-03470        | 00000/0000 2-20022/0393                             | 03/22/76         | 10             | 5918                   | 1847N                                   | 08804E       | 49.6         | 112.4                 | GGGG                |                      | 148                     | 47                     |
| 2425-03472        | 00000/0000 2-20022/0394                             | 03/22/76         | 40             | 5918                   | 1721N                                   | 08742E       | 49.9         | 110.6                 | GGGG                |                      | 148                     | 48                     |
| 2425-03475        | 00000/0000 2-20022/0395                             | 03/22/76         | 60             | 5918                   | 1555N                                   | 08721E       | 50.1         | 108.8                 | GGGG                |                      | 148                     | 49                     |
| 2425-03481        | 00000/0000 2-20022/0396                             | 03/22/76         | 20             | 5918                   | 1428N                                   | 08701E       | 50.4         | 107.0                 | GGGG                |                      | 148                     | 50                     |
| 2425-03484        | 00000/0000 2-20022/0397                             | 03/22/76         | 10             | 5918                   | 1302N                                   | 08640E       | 50.5         | 105.2                 | GGGG                |                      | 148                     | 51                     |
| 2425-03490        | 00000/0000 2-20022/0398                             | 03/22/76         | 10             | 5918                   | 1155N                                   | 08619E       | 50.7         | 103.4                 | GGGG                |                      | 148                     | 52                     |
| 2425-03504        | 00000/0000 2-20022/0399                             | 03/22/76         | 70             | 5918                   | 0549N                                   | 08459E       | 50.7         | 96.1                  | GGGG                |                      | 148                     | 53                     |
| 2425-03511        | 00000/0000 2-20022/0400                             | 03/22/76         | 60             | 5918                   | 0422N                                   | 08439E       | 50.6         | 94.3                  | GGGG                |                      | 148                     | 54                     |
| 2425-03524        | 00000/0000 2-20022/0402                             | 03/22/76         | 50             | 5919                   | 4017N                                   | 08424E       | 40.7         | 135.3                 | GGGG                |                      | 166                     | 32                     |
| 2425-035243       | 00000/0000 2-20022/0381                             | 03/22/76         | 20             | 5919                   | 3852N                                   | 06755E       | 41.5         | 134.0                 | GGGG                |                      | 166                     | 33                     |
| 2425-035245       | 00000/0000 2-20022/0382                             | 03/22/76         | 80             | 5919                   | 3726N                                   | 06727E       | 42.3         | 132.6                 | GGGG                |                      | 166                     | 34                     |
| 2425-035281       | 00000/0000 2-20022/0403                             | 03/22/76         | 70             | 5919                   | 2559N                                   | 06405E       | 47.5         | 120.8                 | GGGG                |                      | 166                     | 42                     |
| 2425-037040       | 00000/0000 2-20022/0404                             | 03/22/76         | 90             | 5920                   | 5139N                                   | 04715E       | 33.7         | 145.1                 | GGGG                |                      | 184                     | 24                     |
| 2425-07054        | 00000/0000 2-20022/0405                             | 03/22/76         | 100            | 5920                   | 4559N                                   | 04443E       | 37.4         | 140.3                 | GGGG                |                      | 184                     | 25                     |
| 2425-08453        | 00000/0000 2-20022/0195                             | 03/22/76         | 0              | 5921                   | 5712N                                   | 02428E       | 29.9         | 150.0                 | GGGG                |                      | 202                     | 20                     |
| 2425-08460        | 00000/0000 2-20022/0196                             | 03/22/76         | 0              | 5921                   | 5549N                                   | 02338E       | 30.9         | 148.8                 | GGGG                |                      | 202                     | 21                     |
| 2425-08553        | 00000/0000 2-20022/0197                             | 03/22/76         | 0              | 5921                   | 2306N                                   | 01141E       | 48.5         | 117.4                 | GGGG                |                      | 202                     | 44                     |
| 2425-08560        | 00000/0000 2-20022/0198                             | 03/22/76         | 0              | 5921                   | 2140N                                   | 01119E       | 48.9         | 115.7                 | GGGG                |                      | 202                     | 45                     |
| 2425-08562        | 00000/0000 2-20022/0199                             | 03/22/76         | 0              | 5921                   | 2013N                                   | 01057E       | 49.3         | 114.0                 | GGGG                |                      | 202                     | 46                     |
| 2425-08565        | 00000/0000 2-20022/0200                             | 03/22/76         | 0              | 5921                   | 1846N                                   | 01035E       | 49.6         | 112.3                 | GGGG                |                      | 202                     | 47                     |
| 2425-08571        | 00000/0000 2-20022/0201                             | 03/22/76         | 10             | 5921                   | 1720N                                   | 01014E       | 49.9         | 110.5                 | GGGG                |                      | 202                     | 48                     |
| 2425-08574        | 00000/0000 2-20022/0202                             | 03/22/76         | 0              | 5921                   | 1554N                                   | 00953E       | 50.2         | 108.7                 | GGGG                |                      | 202                     | 49                     |
| 2425-08580        | 00000/0000 2-20022/0203                             | 03/22/76         | 0              | 5921                   | 1427N                                   | 00933E       | 50.4         | 106.9                 | GGGG                |                      | 202                     | 50                     |
| 2425-08583        | 00000/0000 2-20022/0194                             | 03/22/76         | 80             | 5921                   | 1301N                                   | 00912E       | 50.6         | 105.1                 | GGGG                |                      | 202                     | 51                     |
| 2425-10291        | 00000/0000 2-20022/0204                             | 03/22/76         | 80             | 5922                   | 5548N                                   | 00209W       | 30.9         | 148.7                 | GGGG                |                      | 220                     | 21                     |
| 2425-10294        | 00000/0000 2-20022/0205                             | 03/22/76         | 70             | 5922                   | 5424N                                   | 00257W       | 31.9         | 147.5                 | GGGG                |                      | 220                     | 22                     |
| 2425-10300        | 00000/0000 2-20022/0206                             | 03/22/76         | 80             | 5922                   | 5301N                                   | 00342W       | 32.9         | 146.3                 | GGGG                |                      | 220                     | 23                     |
| 2425-10303        | 00000/0000 2-20022/0207                             | 03/22/76         | 100            | 5922                   | 5137N                                   | 00424W       | 33.8         | 145.1                 | GGGG                |                      | 220                     | 24                     |
| 2425-10305        | 00000/0000 2-20022/0208                             | 03/22/76         | 100            | 5922                   | 5012N                                   | 00504W       | 34.7         | 143.9                 | GGGG                |                      | 220                     | 25                     |
| 2425-10312        | 00000/0000 2-20022/0209                             | 03/22/76         | 90             | 5922                   | 4848N                                   | 00542W       | 35.7         | 142.7                 | GGGG                |                      | 220                     | 26                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2425-15404        | 00000/0000                   | 2-20022/0210                | 03/22/76         | 10             | 5925            | 5014N                        | 08233W        | 34.8         | 143.9        | GGGG                               |                     |                      | 23                      | 25                     |
| 2425-17224        | 00000/0000                   | 2-20022/0413                | 03/22/76         | 20             | 5926            | 5427N                        | 10611W        | 32.0         | 147.5        | GGGG                               |                     |                      | 41                      | 22                     |
| 2425-17231        | 00000/0000                   | 2-20022/0414                | 03/22/76         | 10             | 5926            | 5304N                        | 10657W        | 32.9         | 146.3        | GGGG                               |                     |                      | 41                      | 23                     |
| 2425-17233        | 00000/0000                   | 2-20022/0415                | 03/22/76         | 0              | 5926            | 5139N                        | 10740W        | 33.9         | 145.1        | GGGG                               |                     |                      | 41                      | 24                     |
| 2425-17240        | 00000/0000                   | 2-20022/0416                | 03/22/76         | 10             | 5926            | 5015N                        | 10821W        | 34.8         | 143.9        | GGGG                               |                     |                      | 41                      | 25                     |
| 2425-17295        | 00000/0000                   | 2-20022/0417                | 03/22/76         | 10             | 5926            | 3019N                        | 11524W        | 45.9         | 125.3        | GGGG                               |                     |                      | 41                      | 39                     |
| 2425-17301        | 00000/0000                   | 2-20022/0418                | 03/22/76         | 10             | 5926            | 2853N                        | 11548W        | 46.5         | 123.8        | F GGG                              |                     |                      | 41                      | 40                     |
| 2425-20432        | 00000/0000                   | 2-20022/0446                | 03/22/76         | 60             | 5928            | 7311N                        | 13744W        | 17.5         | 171.3        | F GG                               |                     |                      | 77                      | 8                      |
| 2425-20435        | 00000/0000                   | 2-20022/0447                | 03/22/76         | 30             | 5928            | 7156N                        | 14021W        | 18.6         | 168.6        | FFF G                              |                     |                      | 77                      | 9                      |
| 2425-22275        | 00000/0000                   | 2-20022/0448                | 03/22/76         | 10             | 5929            | 6923N                        | 17033W        | 20.8         | 164.0        | GGG                                |                     |                      | 95                      | 11                     |
| 2425-22282        | 00000/0000                   | 2-20022/0449                | 03/22/76         | 10             | 5929            | 6805N                        | 17222W        | 21.9         | 162.0        | GGGG                               |                     |                      | 95                      | 12                     |
| 2425-22284        | 00000/0000                   | 2-20022/0450                | 03/22/76         | 50             | 5929            | 6645N                        | 17359W        | 22.9         | 160.1        | GGGG                               |                     |                      | 95                      | 13                     |
| 2425-22291        | 00000/0000                   | 2-20022/0451                | 03/22/76         | 30             | 5929            | 6525N                        | 17527W        | 24.0         | 158.4        | GGGG                               |                     |                      | 95                      | 14                     |
| 2425-22293        | 00000/0000                   | 2-20022/0452                | 03/22/76         | 10             | 5929            | 6405N                        | 17648W        | 25.0         | 156.9        | GG G                               |                     |                      | 95                      | 15                     |
| 2426-02022        | 00000/0000                   | 2-20021/1793                | 03/23/76         | 0              | 5931            | 4307N                        | 11937E        | 39.4         | 137.7        | GGGG                               |                     |                      | 131                     | 30                     |
| 2426-02025        | 00000/0000                   | 2-20021/1794                | 03/23/76         | 0              | 5931            | 4142N                        | 11906E        | 40.3         | 136.4        | F GGG                              |                     |                      | 131                     | 31                     |
| 2426-02031        | 00000/0000                   | 2-20021/1795                | 03/23/76         | 0              | 5931            | 4016N                        | 11836E        | 41.1         | 135.1        | P GGG                              |                     |                      | 131                     | 32                     |
| 2426-02034        | 00000/0000                   | 2-20021/1796                | 03/23/76         | 0              | 5931            | 3851N                        | 11807E        | 41.9         | 133.8        | F FGG                              |                     |                      | 131                     | 33                     |
| 2426-02040        | 00000/0000                   | 2-20021/1797                | 03/23/76         | 10             | 5931            | 3725N                        | 11738E        | 42.6         | 132.4        | G GFG                              |                     |                      | 131                     | 34                     |
| 2426-02043        | 00000/0000                   | 2-20021/1798                | 03/23/76         | 10             | 5931            | 3559N                        | 11711E        | 43.4         | 131.0        | F GGG                              |                     |                      | 131                     | 35                     |
| 2426-02045        | 00000/0000                   | 2-20021/1799                | 03/23/76         | 10             | 5931            | 3434N                        | 11644E        | 44.1         | 129.6        | F GGG                              |                     |                      | 131                     | 36                     |
| 2426-02052        | 00000/0000                   | 2-20021/1800                | 03/23/76         | 10             | 5931            | 3308N                        | 11618E        | 44.8         | 128.2        | F GGG                              |                     |                      | 131                     | 37                     |
| 2426-02054        | 00000/0000                   | 2-20021/1801                | 03/23/76         | 40             | 5931            | 3142N                        | 11553E        | 45.4         | 126.7        | GGGF                               |                     |                      | 131                     | 38                     |
| 2426-02061        | 00000/0000                   | 2-20021/1802                | 03/23/76         | 90             | 5931            | 3016N                        | 11528E        | 46.0         | 125.2        | G FGG                              |                     |                      | 131                     | 39                     |
| 2426-02063        | 00000/0000                   | 2-20021/1803                | 03/23/76         | 100            | 5931            | 2850N                        | 11504E        | 46.6         | 123.6        | GGGG                               |                     |                      | 131                     | 40                     |
| 2426-02070        | 00000/0000                   | 2-20021/1804                | 03/23/76         | 100            | 5931            | 2724N                        | 11440E        | 47.2         | 122.0        | F GGG                              |                     |                      | 131                     | 41                     |
| 2426-02072        | 00000/0000                   | 2-20021/1805                | 03/23/76         | 100            | 5931            | 2588N                        | 11417E        | 47.7         | 120.4        | F GFG                              |                     |                      | 131                     | 42                     |
| 2426-02075        | 00000/0000                   | 2-20021/1806                | 03/23/76         | 100            | 5931            | 2431N                        | 11354E        | 48.2         | 118.8        | GGGG                               |                     |                      | 131                     | 43                     |
| 2426-02081        | 00000/0000                   | 2-20021/1807                | 03/23/76         | 100            | 5931            | 2305N                        | 11332E        | 48.7         | 117.1        | GGGG                               |                     |                      | 131                     | 44                     |
| 2426-03454        | 00000/0000                   | 2-20021/1808                | 03/23/76         | 20             | 5932            | 4307N                        | 09349E        | 39.5         | 137.7        | G GFG                              |                     |                      | 149                     | 30                     |
| 2426-03510        | 00000/0000                   | 2-20021/1809                | 03/23/76         | 0              | 5932            | 2431N                        | 08805E        | 48.2         | 118.8        | GG G                               |                     |                      | 149                     | 43                     |
| 2426-03513        | 00000/0000                   | 2-20021/1810                | 03/23/76         | 10             | 5932            | 2304N                        | 08742E        | 48.7         | 117.1        | GG G                               |                     |                      | 149                     | 44                     |
| 2426-03515        | 00000/0000                   | 2-20021/1811                | 03/23/76         | 10             | 5932            | 2138N                        | 08720E        | 49.1         | 115.4        | G FFF                              |                     |                      | 149                     | 45                     |
| 2426-03522        | 00000/0000                   | 2-20021/1812                | 03/23/76         | 20             | 5932            | 2010N                        | 08658E        | 49.5         | 113.6        | GPF                                |                     |                      | 149                     | 46                     |
| 2426-03524        | 00000/0000                   | 2-20021/1813                | 03/23/76         | 10             | 5932            | 1844N                        | 08637E        | 49.8         | 111.9        | G GFF                              |                     |                      | 149                     | 47                     |
| 2426-03531        | 00000/0000                   | 2-20021/1814                | 03/23/76         | 10             | 5932            | 1718N                        | 08616E        | 50.1         | 110.1        | G GFF                              |                     |                      | 149                     | 48                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2426-03533        | 00000/0000                   | 2-20021/1815               | 03/23/76         | 10             | 5932            | 1552N                        | 08555E        | 50.4         | 108.3        | GGFF                               |                     |                      | 149                     | 49                     |
| 2426-03540        | 00000/0000                   | 2-20021/1816               | 03/23/76         | 10             | 5932            | 1425N                        | 08534E        | 50.6         | 106.5        | FGFF                               |                     |                      | 149                     | 50                     |
| 2426-05294        | 00000/0000                   | 2-20022/0454               | 03/23/76         | 80             | 5933            | 4020N                        | 06700E        | 41.1         | 135.1        | GGGG                               |                     |                      | 167                     | 32                     |
| 2426-05301        | 00000/0000                   | 2-20022/0455               | 03/23/76         | 100            | 5933            | 3854N                        | 06630E        | 41.9         | 133.8        | GGGG                               |                     |                      | 167                     | 33                     |
| 2426-07071        | 00000/0000                   | 2-20022/0453               | 03/23/76         | 10             | 5934            | 6000N                        | 05047E        | 28.2         | 152.6        | G GG                               |                     |                      | 185                     | 18                     |
| 2426-07073        | 00000/0000                   | 2-20022/0530               | 03/23/76         | 0              | 5934            | 5837N                        | 04949E        | 29.2         | 151.3        | GGGG                               |                     |                      | 185                     | 19                     |
| 2426-07080        | 00000/0000                   | 2-20022/0531               | 03/23/76         | 0              | 5934            | 5714N                        | 04855E        | 30.2         | 150.0        | GGGG                               |                     |                      | 185                     | 20                     |
| 2426-07082        | 00000/0000                   | 2-20022/0532               | 03/23/76         | 20             | 5934            | 5551N                        | 04804E        | 31.2         | 148.7        | GGGG                               |                     |                      | 185                     | 21                     |
| 2426-07085        | 00000/0000                   | 2-20022/0533               | 03/23/76         | 30             | 5934            | 5427N                        | 04716E        | 32.2         | 147.5        | GGGG                               |                     |                      | 185                     | 22                     |
| 2426-07091        | 00000/0000                   | 2-20022/0534               | 03/23/76         | 80             | 5934            | 5303N                        | 04630E        | 33.2         | 146.3        | GGGG                               |                     |                      | 185                     | 23                     |
| 2426-07094        | 00000/0000                   | 2-20022/0535               | 03/23/76         | 100            | 5934            | 5139N                        | 04548E        | 34.1         | 145.1        | GGGG                               |                     |                      | 185                     | 24                     |
| 2426-07100        | 00000/0000                   | 2-20022/0536               | 03/23/76         | 100            | 5934            | 5015N                        | 04508E        | 35.1         | 143.8        | FGGG                               |                     |                      | 185                     | 25                     |
| 2426-07103        | 00000/0000                   | 2-20022/0537               | 03/23/76         | 100            | 5934            | 4850N                        | 04429E        | 36.0         | 142.6        | GGGG                               |                     |                      | 185                     | 26                     |
| 2426-07105        | 00000/0000                   | 2-20022/0538               | 03/23/76         | 100            | 5934            | 4725N                        | 04353E        | 36.9         | 141.4        | GGGG                               |                     |                      | 185                     | 27                     |
| 2426-07112        | 00000/0000                   | 2-20022/0539               | 03/23/76         | 90             | 5934            | 4600N                        | 04318E        | 37.8         | 140.2        | GGGG                               |                     |                      | 185                     | 28                     |
| 2426-07114        | 00000/0000                   | 2-20022/0540               | 03/23/76         | 90             | 5934            | 4436N                        | 04244E        | 38.6         | 138.9        | GGGG                               |                     |                      | 185                     | 29                     |
| 2426-07121        | 00000/0000                   | 2-20022/0541               | 03/23/76         | 70             | 5934            | 4311N                        | 04212E        | 39.5         | 137.7        | GGGG                               |                     |                      | 185                     | 30                     |
| 2426-07123        | 00000/0000                   | 2-20022/0309               | 03/23/76         | 40             | 5934            | 4145N                        | 04141E        | 40.3         | 136.4        | GGGG                               |                     |                      | 185                     | 31                     |
| 2426-08484        | 00000/0000                   | 2-20022/0310               | 03/23/76         | 10             | 5935            | 6527N                        | 02940E        | 24.1         | 158.5        | GGGG                               |                     |                      | 203                     | 14                     |
| 2426-08502        | 00000/0000                   | 2-20022/0311               | 03/23/76         | 60             | 5935            | 6001N                        | 02456E        | 28.3         | 152.6        | GGGG                               |                     |                      | 203                     | 18                     |
| 2426-08505        | 00000/0000                   | 2-20022/0312               | 03/23/76         | 20             | 5935            | 5838N                        | 02358E        | 29.3         | 151.3        | FGFG                               |                     |                      | 203                     | 19                     |
| 2426-08511        | 00000/0000                   | 2-20022/0313               | 03/23/76         | 10             | 5935            | 5715N                        | 02304E        | 30.3         | 150.0        | GGGG                               |                     |                      | 203                     | 20                     |
| 2426-08514        | 00000/0000                   | 2-20022/0314               | 03/23/76         | 30             | 5935            | 5551N                        | 02212E        | 31.3         | 148.7        | GGGG                               |                     |                      | 203                     | 21                     |
| 2426-09005        | 00000/0000                   | 2-20022/0308               | 03/23/76         | 0              | 5935            | 2434N                        | 01038E        | 48.3         | 118.7        | G GG                               |                     |                      | 203                     | 43                     |
| 2426-09011        | 00000/0000                   | 2-20022/0315               | 03/23/76         | 0              | 5935            | 2308N                        | 01016E        | 48.8         | 117.0        | GFFG                               |                     |                      | 203                     | 44                     |
| 2426-09014        | 00000/0000                   | 2-20022/0316               | 03/23/76         | 0              | 5935            | 2142N                        | 00954E        | 49.2         | 115.3        | GFFG                               |                     |                      | 203                     | 45                     |
| 2426-09020        | 00000/0000                   | 2-20022/0317               | 03/23/76         | 0              | 5935            | 2015N                        | 00932E        | 49.5         | 113.6        | GFFG                               |                     |                      | 203                     | 46                     |
| 2426-09023        | 00000/0000                   | 2-20022/0318               | 03/23/76         | 0              | 5935            | 1848N                        | 00911E        | 49.9         | 111.8        | GGGG                               |                     |                      | 203                     | 47                     |
| 2426-09025        | 00000/0000                   | 2-20022/0319               | 03/23/76         | 10             | 5935            | 1722N                        | 00849E        | 50.2         | 110.0        | GGGG                               |                     |                      | 203                     | 48                     |
| 2426-09032        | 00000/0000                   | 2-20022/0320               | 03/23/76         | 20             | 5935            | 1556N                        | 00828E        | 50.4         | 108.2        | GGGG                               |                     |                      | 203                     | 49                     |
| 2426-09034        | 00000/0000                   | 2-20022/0321               | 03/23/76         | 10             | 5935            | 1428N                        | 00808E        | 50.6         | 106.4        | GGFG                               |                     |                      | 203                     | 50                     |
| 2426-09041        | 00000/0000                   | 2-20022/0322               | 03/23/76         | 0              | 5935            | 1302N                        | 00747E        | 50.8         | 104.6        | GGGG                               |                     |                      | 203                     | 51                     |
| 2426-09043        | 00000/0000                   | 2-20022/0323               | 03/23/76         | 10             | 5935            | 1136N                        | 00727E        | 50.9         | 102.7        | GGFG                               |                     |                      | 203                     | 52                     |
| 2426-09050        | 00000/0000                   | 2-20022/0324               | 03/23/76         | 40             | 5935            | 1009N                        | 00707E        | 51.0         | 100.9        | GGGG                               |                     |                      | 203                     | 53                     |
| 2426-10343        | 00000/0000                   | 2-20022/0325               | 03/23/76         | 30             | 5936            | 5713N                        | 00242W        | 30.3         | 150.0        | GGGG                               |                     |                      | 221                     | 20                     |
| 2426-10350        | 00000/0000                   | 2-20022/0424               | 03/23/76         | 30             | 5936            | 5550N                        | 00333W        | 31.3         | 148.7        | GGGG                               |                     |                      | 221                     | 21                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                                      |                  |                  |                |                 |                                    |                                     |              |              | 123 45678             |                     |                      |                         |                        |
| 2426-10352        | 00000/0000                           | 2-20022/0425     | 03/23/76         | 20             | 5936            | 5426N                              | 00420W                              | 32.3         | 147.5        | GGGG                  |                     |                      | 221                     | 22                     |
| 2426-10355        | 00000/0000                           | 2-20022/0421     | 03/23/76         | 10             | 5936            | 5302N                              | 00506W                              | 33.2         | 146.2        | G GG                  |                     |                      | 221                     | 23                     |
| 2426-10361        | 00000/0000                           | 2-20022/0422     | 03/23/76         | 10             | 5936            | 5138N                              | 00549W                              | 34.2         | 145.0        | G GG                  |                     |                      | 221                     | 24                     |
| 2426-10364        | 00000/0000                           | 2-20022/0426     | 03/23/76         | 30             | 5936            | 5013N                              | 00629W                              | 35.1         | 143.8        | GGGG                  |                     |                      | 221                     | 25                     |
| 2426-10370        | 00000/0000                           | 2-20022/0427     | 03/23/76         | 60             | 5936            | 4849N                              | 00708W                              | 36.0         | 142.6        | GGGG                  |                     |                      | 221                     | 26                     |
| 2426-10455        | 00000/0000                           | 2-20022/0428     | 03/23/76         | 60             | 5936            | 1848N                              | 01637W                              | 49.9         | 111.8        | GGGG                  |                     | H                    | 221                     | 47                     |
| 2426-12445        | 00000/0000                           | 2-20022/0429     | 03/23/76         | 80             | 5937            | 3600S                              | 05402W                              | 33.0         | 59.8         | GGGG                  |                     |                      | 239                     | 85                     |
| 2426-12452        | 00000/0000                           | 2-20022/0430     | 03/23/76         | 80             | 5937            | 3726S                              | 05429W                              | 32.1         | 59.3         | FFFF                  |                     |                      | 239                     | 86                     |
| 2426-13554        | 00000/0000                           | 2-20022/0423     | 03/23/76         | 100            | 5938            | 7423N                              | 03256W                              | 16.8         | 174.4        | G GG                  |                     |                      | 6                       | 7                      |
| 2426-13560        | 00000/0000                           | 2-20022/0431     | 03/23/76         | 100            | 5938            | 7311N                              | 03555W                              | 17.8         | 171.3        | GGGG                  |                     |                      | 6                       | 8                      |
| 2426-13574        | 00000/0000                           | 2-20022/0432     | 03/23/76         | 90             | 5938            | 6805N                              | 04441W                              | 22.1         | 162.0        | GF GG                 |                     |                      | 6                       | 12                     |
| 2426-13581        | 00000/0000                           | 2-20022/0433     | 03/23/76         | 100            | 5938            | 6646N                              | 04619W                              | 23.2         | 160.1        | GGGG                  |                     |                      | 6                       | 13                     |
| 2426-13583        | 00000/0000                           | 2-20022/0434     | 03/23/76         | 100            | 5938            | 6526N                              | 04747W                              | 24.3         | 158.4        | GGGG                  |                     |                      | 6                       | 14                     |
| 2426-14013        | 00000/0000                           | 2-20022/1293     | 03/23/76         | 60             | 5938            | 5548N                              | 05516W                              | 31.4         | 148.7        | GGGG                  |                     |                      | 6                       | 21                     |
| 2426-14015        | 00000/0000                           | 2-20022/1294     | 03/23/76         | 0              | 5938            | 5425N                              | 05603W                              | 32.3         | 147.4        | G GG                  |                     |                      | 6                       | 22                     |
| 2426-14031        | 00000/0000                           | 2-20022/1295     | 03/23/76         | 60             | 5938            | 3309N                              | 06423W                              | 44.9         | 128.0        | GGGG                  |                     |                      | 6                       | 37                     |
| 2426-14083        | 00000/0000                           | 2-20022/1296     | 03/23/76         | 30             | 5938            | 3143N                              | 06448W                              | 45.6         | 126.5        | GGGG                  |                     |                      | 6                       | 38                     |
| 2426-14090        | 00000/0000                           | 2-20022/1297     | 03/23/76         | 20             | 5938            | 3017N                              | 06513W                              | 46.2         | 125.0        | FF GG                 |                     |                      | 6                       | 39                     |
| 2426-15462        | 00000/0000                           | 2-20022/1298     | 03/23/76         | 30             | 5939            | 5012N                              | 08357W                              | 35.2         | 143.8        | GGGG                  |                     |                      | 24                      | 25                     |
| 2426-15553        | 00000/0000                           | 2-20022/0435     | 03/23/76         | 40             | 5939            | 1846N                              | 09404W                              | 49.9         | 111.6        | GGGG                  |                     |                      | 24                      | 47                     |
| 2426-15560        | 00000/0000                           | 2-20022/0436     | 03/23/76         | 80             | 5939            | 1719N                              | 09425W                              | 50.2         | 109.8        | GGGG                  |                     |                      | 24                      | 48                     |
| 2426-17353        | 00000/0000                           | 2-20022/0489     | 03/23/76         | 80             | 5940            | 3017N                              | 11451W                              | 46.3         | 125.7        | FGGG                  |                     |                      | 42                      | 39                     |
| 2426-20493        | 00000/0000                           | 2-20022/0496     | 03/23/76         | 10             | 5942            | 7159N                              | 14146W                              | 19.0         | 168.7        | GGGG                  |                     |                      | 78                      | 9                      |
| 2427-02080        | 00000/0000                           | 2-20022/0326     | 03/24/76         | 10             | 5945            | 4308N                              | 11812E                              | 39.8         | 137.5        | GGGG                  |                     |                      | 132                     | 30                     |
| 2427-02083        | 00000/0000                           | 2-20022/0327     | 03/24/76         | 10             | 5945            | 4143N                              | 11741E                              | 40.6         | 136.2        | GGGG                  |                     |                      | 132                     | 31                     |
| 2427-02085        | 00000/0000                           | 2-20022/0328     | 03/24/76         | 10             | 5945            | 4017N                              | 11711E                              | 41.4         | 134.9        | GGGG                  |                     |                      | 132                     | 32                     |
| 2427-02092        | 00000/0000                           | 2-20022/0329     | 03/24/76         | 60             | 5945            | 3852N                              | 11642E                              | 42.2         | 133.6        | GF GG                 |                     |                      | 132                     | 33                     |
| 2427-02094        | 00000/0000                           | 2-20022/0511     | 03/24/76         | 90             | 5945            | 3726N                              | 11614E                              | 43.0         | 132.2        | GGFF                  |                     |                      | 132                     | 34                     |
| 2427-02101        | 00000/0000                           | 2-20022/0512     | 03/24/76         | 50             | 5945            | 3601N                              | 11546E                              | 43.7         | 130.8        | FGGF                  |                     |                      | 132                     | 35                     |
| 2427-02103        | 00000/0000                           | 2-20022/0513     | 03/24/76         | 80             | 5945            | 3435N                              | 11519E                              | 44.4         | 129.4        | GGFF                  |                     |                      | 132                     | 36                     |
| 2427-02110        | 00000/0000                           | 2-20022/0514     | 03/24/76         | 20             | 5945            | 3310N                              | 11453E                              | 45.1         | 127.9        | PGGG                  |                     |                      | 132                     | 37                     |
| 2427-02112        | 00000/0000                           | 2-20022/0515     | 03/24/76         | 10             | 5945            | 3144N                              | 11427E                              | 45.7         | 126.4        | GGGG                  |                     |                      | 132                     | 38                     |
| 2427-02115        | 00000/0000                           | 2-20022/0516     | 03/24/76         | 10             | 5945            | 3018N                              | 11402E                              | 46.4         | 124.9        | GGGG                  |                     |                      | 132                     | 39                     |
| 2427-02121        | 00000/0000                           | 2-20022/0517     | 03/24/76         | 30             | 5945            | 2852N                              | 11338E                              | 47.0         | 123.3        | GGGG                  |                     |                      | 132                     | 40                     |
| 2427-02124        | 00000/0000                           | 2-20022/0518     | 03/24/76         | 70             | 5945            | 2725N                              | 11315E                              | 47.5         | 121.7        | GGGG                  |                     |                      | 132                     | 41                     |
| 2427-02130        | 00000/0000                           | 2-20022/0519     | 03/24/76         | 90             | 5945            | 2558N                              | 11252E                              | 48.0         | 120.1        | GGFF                  |                     |                      | 132                     | 42                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | LONG  | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2427-02133        | 00000/0000                                     | 2-20022/0520     | 03/24/76       | 100             | 5945                               | 2432N | 11230E       | 48.5         | 118.4                 |                     |                      |                         |                        |
| 2427-02135        | 00000/0000                                     | 2-20022/0521     | 03/24/76       | 100             | 5945                               | 2306N | 11207E       | 49.0         | 116.7                 | GGGG                |                      | 132                     | 43                     |
| 2427-02142        | 00000/0000                                     | 2-20022/0522     | 03/24/76       | 100             | 5945                               | 2140N | 11145E       | 49.4         | 115.0                 | GGGG                |                      | 132                     | 44                     |
| 2427-03512        | 00000/0000                                     | 2-20022/0523     | 03/24/76       | 20              | 5946                               | 4308N | 09220E       | 39.8         | 137.5                 | GGGG                |                      | 132                     | 45                     |
| 2427-03555        | 00000/0000                                     | 2-20022/0524     | 03/24/76       | 10              | 5946                               | 2724N | 08724E       | 47.5         | 121.7                 | GGGG                |                      | 150                     | 30                     |
| 2427-03562        | 00000/0000                                     | 2-20022/0525     | 03/24/76       | 0               | 5946                               | 2558N | 08701E       | 48.1         | 120.0                 | GGGG                |                      | 150                     | 41                     |
| 2427-03564        | 00000/0000                                     | 2-20022/0526     | 03/24/76       | 10              | 5946                               | 2432N | 08639E       | 48.5         | 118.4                 | GGGG                |                      | 150                     | 42                     |
| 2427-03571        | 00000/0000                                     | 2-20022/0527     | 03/24/76       | 10              | 5946                               | 2305N | 08616E       | 49.0         | 116.7                 | GGGG                |                      | 150                     | 43                     |
| 2427-03573        | 00000/0000                                     | 2-20022/0528     | 03/24/76       | 0               | 5946                               | 2139N | 08554E       | 49.4         | 114.9                 | GGGG                |                      | 150                     | 44                     |
| 2427-03580        | 00000/0000                                     | 2-20022/0529     | 03/24/76       | 10              | 5946                               | 2013N | 08533E       | 49.7         | 113.2                 | GGGG                |                      | 150                     | 45                     |
| 2427-05353        | 00000/0000                                     | 2-20022/0542     | 03/24/76       | 80              | 5947                               | 4017N | 06533E       | 41.5         | 134.9                 | GGGG                |                      | 150                     | 46                     |
| 2427-05385        | 00000/0000                                     | 2-20022/0543     | 03/24/76       | 20              | 5947                               | 2850N | 06201E       | 47.0         | 123.2                 | GGGG                |                      | 168                     | 32                     |
| 2427-05391        | 00000/0000                                     | 2-20022/0544     | 03/24/76       | 80              | 5947                               | 2724N | 06136E       | 47.6         | 121.6                 | GGGG                |                      | 168                     | 40                     |
| 2427-05394        | 00000/0000                                     | 2-20022/0545     | 03/24/76       | 90              | 5947                               | 2558N | 06113E       | 48.1         | 120.0                 | GGGG                |                      | 168                     | 41                     |
| 2427-07105        | 00000/0000                                     | 2-20022/0456     | 03/24/76       | 10              | 5948                               | 6646N | 05531E       | 23.5         | 160.2                 | GGGG                |                      | 168                     | 42                     |
| 2427-07150        | 00000/0000                                     | 2-20022/0457     | 03/24/76       | 40              | 5948                               | 5302N | 04504E       | 33.6         | 146.2                 | GG G                |                      | 186                     | 13                     |
| 2427-07170        | 00000/0000                                     | 2-20022/0459     | 03/24/76       | 100             | 5948                               | 4559N | 04150E       | 38.2         | 140.0                 | GGG                 |                      | 186                     | 23                     |
| 2427-09081        | 00000/0000                                     | 2-20022/0550     | 03/24/76       | 0               | 5949                               | 1846N | 00745E       | 50.1         | 111.3                 | GGGG                |                      | 186                     | 28                     |
| 2427-09084        | 00000/0000                                     | 2-20022/0551     | 03/24/76       | 0               | 5949                               | 1720N | 00724E       | 50.4         | 109.5                 | GGGG                |                      | 204                     | 47                     |
| 2427-09090        | 00000/0000                                     | 2-20022/0552     | 03/24/76       | 10              | 5949                               | 1553N | 00703E       | 50.6         | 107.6                 | GGGG                |                      | 204                     | 48                     |
| 2427-09102        | 00000/0000                                     | 2-20022/0553     | 03/24/76       | 50              | 5949                               | 1133N | 00601E       | 51.1         | 102.1                 | GGGG                |                      | 204                     | 49                     |
| 2427-09104        | 00000/0000                                     | 2-20022/0554     | 03/24/76       | 30              | 5949                               | 1006N | 00540E       | 51.1         | 100.2                 | GGGG                |                      | 204                     | 52                     |
| 2427-10395        | 00000/0000                                     | 2-20022/0555     | 03/24/76       | 100             | 5950                               | 5838N | 00314W       | 29.7         | 151.2                 | GG G                |                      | 204                     | 53                     |
| 2427-10401        | 00000/0000                                     | 2-20022/0572     | 03/24/76       | 100             | 5950                               | 5715N | 00409W       | 30.7         | 149.9                 | GGGG                |                      | 222                     | 19                     |
| 2427-10404        | 00000/0000                                     | 2-20022/0573     | 03/24/76       | 100             | 5950                               | 5551N | 00500W       | 31.7         | 148.7                 | GGGG                |                      | 222                     | 20                     |
| 2427-10410        | 00000/0000                                     | 2-20022/0574     | 03/24/76       | 90              | 5950                               | 5427N | 00547W       | 32.7         | 147.4                 | GGGG                |                      | 222                     | 21                     |
| 2427-10413        | 00000/0000                                     | 2-20022/0575     | 03/24/76       | 90              | 5950                               | 5303N | 00632W       | 33.6         | 146.2                 | GGGG                |                      | 222                     | 22                     |
| 2427-10415        | 00000/0000                                     | 2-20022/0576     | 03/24/76       | 90              | 5950                               | 5139N | 00714W       | 34.6         | 145.0                 | GGGG                |                      | 222                     | 23                     |
| 2427-10422        | 00000/0000                                     | 2-20022/0577     | 03/24/76       | 90              | 5950                               | 5015N | 00754W       | 35.5         | 143.7                 | GGGG                |                      | 222                     | 24                     |
| 2427-10501        | 00000/0000                                     | 2-20022/0578     | 03/24/76       | 10              | 5950                               | 2309N | 01657W       | 49.1         | 116.6                 | GGGG                |                      | 222                     | 25                     |
| 2427-10504        | 00000/0000                                     | 2-20022/0579     | 03/24/76       | 20              | 5950                               | 2142N | 01719W       | 49.5         | 114.8                 | GGGG                |                      | 222                     | 44                     |
| 2427-10510        | 00000/0000                                     | 2-20022/0580     | 03/24/76       | 20              | 5950                               | 2015N | 01741W       | 49.8         | 113.1                 | GGGG                |                      | 222                     | 45                     |
| 2427-10513        | 00000/0000                                     | 2-20022/0581     | 03/24/76       | 40              | 5950                               | 1849N | 01803W       | 50.1         | 111.3                 | GGGG                |                      | 222                     | 46                     |
| 2427-12501        | 00000/0000                                     | 2-20022/0582     | 03/24/76       | 20              | 5951                               | 3433S | 05658W       | 33.8         | 59.9                  | GGGG                |                      | 240                     | 47                     |
| 2427-12503        | 00000/0000                                     | 2-20022/0583     | 03/24/76       | 20              | 5951                               | 3559S | 05724W       | 32.8         | 59.4                  | FFFF                |                      | 240                     | 84                     |
| 2427-12510        | 00000/0000                                     | 2-20022/0584     | 03/24/76       | 20              | 5951                               | 3725S | 05752W       | 31.8         | 58.9                  | GGGG                |                      | 240                     | 85                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2427-12512        | 00000/0000                   | 2-20022/0585                | 03/24/76         | 30             | 5951            | 3850S                                   | 05820W       | 30.8         | 58.5                  | FFFF                |                      | 240                     | 81                     |
| 2427-14035        | 00000/0000                   | 2-20022/0586                | 03/24/76         | 90             | 5952            | 6648N                                   | 04743W       | 23.6         | 160.2                 | GGGG                |                      | 7                       | 11                     |
| 2427-14041        | 00000/0000                   | 2-20022/0587                | 03/24/76         | 70             | 5952            | 6528N                                   | 04911W       | 24.6         | 158.5                 | GGGG                |                      | 7                       | 14                     |
| 2427-14062        | 00000/0000                   | 2-20022/0565                | 03/24/76         | 80             | 5952            | 5837N                                   | 05455W       | 29.8         | 151.2                 | GGGG                |                      | 7                       | 19                     |
| 2427-14064        | 00000/0000                   | 2-20022/0566                | 03/24/76         | 80             | 5952            | 5714N                                   | 05545W       | 30.8         | 149.9                 | GGGG                |                      | 7                       | 20                     |
| 2427-14071        | 00000/0000                   | 2-20022/0567                | 03/24/76         | 60             | 5952            | 5550N                                   | 05640W       | 31.7         | 148.6                 | GGGG                |                      | 7                       | 21                     |
| 2427-14073        | 00000/0000                   | 2-20022/0568                | 03/24/76         | 10             | 5952            | 5427N                                   | 05727W       | 32.7         | 147.4                 | GGGG                |                      | 7                       | 22                     |
| 2427-14141        | 00000/0000                   | 2-20022/0569                | 03/24/76         | 90             | 5952            | 3143N                                   | 06615W       | 45.9         | 126.2                 | GGFF                |                      | 7                       | 38                     |
| 2427-14144        | 00000/0000                   | 2-20022/0570                | 03/24/76         | 90             | 5952            | 3017N                                   | 06640W       | 46.5         | 124.7                 | GGGG                |                      | 7                       | 39                     |
| 2427-16012        | 00000/0000                   | 2-20022/0588                | 03/24/76         | 20             | 5953            | 1849N                                   | 09529W       | 50.2         | 111.2                 | GGGG                |                      | 25                      | 47                     |
| 2427-17352        | 00000/0000                   | 2-20022/0571                | 03/24/76         | 50             | 5954            | 5014N                                   | 11113W       | 35.6         | 143.7                 | PGGG                |                      | 43                      | 25                     |
| 2427-20545        | 00000/0000                   | 2-20022/0419                | 03/24/76         | 10             | 5956            | 7312N                                   | 14039W       | 18.3         | 171.4                 | GGFF                |                      | 79                      | 8                      |
| 2427-20551        | 00000/0000                   | 2-20022/0420                | 03/24/76         | 10             | 5956            | 7157N                                   | 14316W       | 19.4         | 168.7                 | GGGG                |                      | 79                      | 9                      |
| 2428-02135        | 00000/0000                   | 2-20022/0556                | 03/25/76         | 100            | 5959            | 4310N                                   | 11645E       | 40.2         | 137.4                 | GGGG                |                      | 133                     | 30                     |
| 2428-02141        | 00000/0000                   | 2-20022/0546                | 03/25/76         | 100            | 5959            | 4144N                                   | 11614E       | 41.0         | 136.1                 | G GG                |                      | 133                     | 31                     |
| 2428-02144        | 00000/0000                   | 2-20022/0547                | 03/25/76         | 100            | 5959            | 4019N                                   | 11544E       | 41.8         | 134.7                 | G GG                |                      | 133                     | 32                     |
| 2428-02150        | 00000/0000                   | 2-20022/0548                | 03/25/76         | 100            | 5959            | 3653N                                   | 11515E       | 42.6         | 133.4                 | G GG                |                      | 133                     | 33                     |
| 2428-02153        | 00000/0000                   | 2-20022/0557                | 03/25/76         | 100            | 5959            | 3727N                                   | 11447E       | 43.3         | 132.0                 | GGGG                |                      | 133                     | 34                     |
| 2428-02155        | 00000/0000                   | 2-20022/0558                | 03/25/76         | 100            | 5959            | 3601N                                   | 11420E       | 44.1         | 130.6                 | GGGG                |                      | 133                     | 35                     |
| 2428-02162        | 00000/0000                   | 2-20022/0559                | 03/25/76         | 100            | 5959            | 3436N                                   | 11353E       | 44.8         | 129.1                 | GGGG                |                      | 133                     | 36                     |
| 2428-02164        | 00000/0000                   | 2-20022/0560                | 03/25/76         | 60             | 5959            | 3310N                                   | 11327E       | 45.4         | 127.6                 | GGGG                |                      | 133                     | 37                     |
| 2428-02171        | 00000/0000                   | 2-20022/0561                | 03/25/76         | 90             | 5959            | 3144N                                   | 11302E       | 46.1         | 126.1                 | GGGG                |                      | 133                     | 38                     |
| 2428-02173        | 00000/0000                   | 2-20022/0562                | 03/25/76         | 100            | 5959            | 3018N                                   | 11237E       | 46.7         | 124.6                 | GGGG                |                      | 133                     | 39                     |
| 2428-02180        | 00000/0000                   | 2-20022/0563                | 03/25/76         | 100            | 5959            | 2852N                                   | 11213E       | 47.3         | 123.0                 | GGGG                |                      | 133                     | 40                     |
| 2428-02182        | 00000/0000                   | 2-20022/0564                | 03/25/76         | 100            | 5959            | 2726N                                   | 11149E       | 47.8         | 121.4                 | GGGG                |                      | 133                     | 41                     |
| 2428-02185        | 00000/0000                   | 2-20022/0617                | 03/25/76         | 100            | 5959            | 2600N                                   | 11126E       | 48.3         | 119.7                 | FFFF                |                      | 133                     | 42                     |
| 2428-02191        | 00000/0000                   | 2-20022/0618                | 03/25/76         | 100            | 5959            | 2423N                                   | 11103E       | 48.8         | 118.0                 | FFFF                |                      | 133                     | 43                     |
| 2428-02194        | 00000/0000                   | 2-20022/0619                | 03/25/76         | 100            | 5959            | 2308N                                   | 11040E       | 49.2         | 116.3                 | FFGF                |                      | 133                     | 44                     |
| 2428-02200        | 00000/0000                   | 2-20022/0620                | 03/25/76         | 100            | 5959            | 2141N                                   | 11019E       | 49.6         | 114.6                 | FFFF                |                      | 133                     | 45                     |
| 2428-02203        | 00000/0000                   | 2-20022/0621                | 03/25/76         | 90             | 5959            | 2015N                                   | 10957E       | 50.0         | 112.8                 | FFFF                |                      | 133                     | 46                     |
| 2428-03564        | 00000/0000                   | 2-20022/0622                | 03/25/76         | 10             | 5960            | 4435N                                   | 09129E       | 39.3         | 138.6                 | GGGG                |                      | 151                     | 29                     |
| 2428-03570        | 00000/0000                   | 2-20022/0623                | 03/25/76         | 50             | 5960            | 4310N                                   | 09057E       | 40.2         | 137.3                 | FGGG                |                      | 151                     | 30                     |
| 2428-04020        | 00000/0000                   | 2-20022/0624                | 03/25/76         | 0              | 5960            | 2600N                                   | 08537E       | 48.3         | 119.7                 | GGGG                |                      | 151                     | 42                     |
| 2428-04023        | 00000/0000                   | 2-20022/0625                | 03/25/76         | 0              | 5960            | 2434N                                   | 08514E       | 48.8         | 118.0                 | GGGG                |                      | 151                     | 43                     |
| 2428-04025        | 00000/0000                   | 2-20022/0626                | 03/25/76         | 0              | 5960            | 2307N                                   | 08452E       | 49.3         | 116.3                 | GGGG                |                      | 151                     | 44                     |
| 2428-04032        | 00000/0000                   | 2-20022/0627                | 03/25/76         | 0              | 5960            | 2141N                                   | 08429E       | 49.6         | 114.5                 | FGGG                |                      | 151                     | 45                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>REV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2428-04034        | 00000/0000                           | 2-20022/0628     | 03/25/76         | 0              | 5960            | 2014N                        | 08407E        | 50.0         | 112.7        | GGGG                  |                     |                      | 151                     | 46                     |
| 2428-04055        | 00000/0000                           | 2-20022/0615     | 03/25/76         | 10             | 5960            | 1301N                        | 08223E        | 51.1         | 103.6        | F GG                  |                     |                      | 151                     | 51                     |
| 2428-04061        | 00000/0000                           | 2-20022/0616     | 03/25/76         | 20             | 5960            | 1135N                        | 08202E        | 51.2         | 101.7        | F GG                  |                     |                      | 151                     | 52                     |
| 2428-04064        | 00000/0000                           | 2-20022/0629     | 03/25/76         | 20             | 5960            | 1008N                        | 08142E        | 51.2         | 99.8         | GGGG                  |                     |                      | 151                     | 53                     |
| 2428-04070        | 00000/0000                           | 2-20022/0630     | 03/25/76         | 20             | 5960            | 0842N                        | 08122E        | 51.2         | 98.0         | FGGG                  |                     |                      | 151                     | 54                     |
| 2428-04073        | 00000/0000                           | 2-20022/0631     | 03/25/76         | 30             | 5960            | 0715N                        | 08101E        | 51.2         | 96.1         | GGGG                  |                     |                      | 151                     | 55                     |
| 2428-04075        | 00000/0000                           | 2-20022/0632     | 03/25/76         | 20             | 5960            | 0548N                        | 08041E        | 51.1         | 94.3         | GGGG                  |                     |                      | 151                     | 56                     |
| 2428-04082        | 00000/0000                           | 2-20022/0633     | 03/25/76         | 20             | 5960            | 0422N                        | 08021E        | 50.9         | 92.5         | FGGG                  |                     |                      | 151                     | 57                     |
| 2428-05431        | 00000/0000                           | 2-20022/0658     | 03/25/76         | 90             | 5961            | 3310N                        | 06150E        | 45.5         | 127.6        | GGGG                  |                     |                      | 169                     | 37                     |
| 2428-05434        | 00000/0000                           | 2-20022/0659     | 03/25/76         | 90             | 5961            | 3144N                        | 06125E        | 46.1         | 126.0        | GGGG                  |                     |                      | 169                     | 38                     |
| 2428-05440        | 00000/0000                           | 2-20022/0634     | 03/25/76         | 100            | 5961            | 3018N                        | 06100E        | 46.7         | 124.5        | FGGG                  |                     |                      | 169                     | 39                     |
| 2428-05443        | 00000/0000                           | 2-20022/0635     | 03/25/76         | 100            | 5961            | 2852N                        | 06035E        | 47.3         | 122.9        | FFFF                  |                     |                      | 169                     | 40                     |
| 2428-05445        | 00000/0000                           | 2-20022/0636     | 03/25/76         | 100            | 5961            | 2726N                        | 06012E        | 47.9         | 121.3        | FFFF                  |                     |                      | 169                     | 41                     |
| 2428-05452        | 00000/0000                           | 2-20022/0637     | 03/25/76         | 100            | 5961            | 2600N                        | 05948E        | 48.4         | 119.6        | FFFF                  |                     |                      | 169                     | 42                     |
| 2428-07183        | 00000/0000                           | 2-20022/0638     | 03/25/76         | 0              | 5962            | 6000N                        | 04751E        | 29.0         | 152.5        | GGGG                  |                     |                      | 187                     | 18                     |
| 2428-07190        | 00000/0000                           | 2-20022/0639     | 03/25/76         | 0              | 5962            | 5837N                        | 04653E        | 30.1         | 151.2        | GGGG                  |                     |                      | 187                     | 19                     |
| 2428-07192        | 00000/0000                           | 2-20022/0640     | 03/25/76         | 10             | 5962            | 5714N                        | 04600E        | 31.0         | 149.9        | GGGG                  |                     |                      | 187                     | 20                     |
| 2428-07195        | 00000/0000                           | 2-20022/0641     | 03/25/76         | 20             | 5962            | 5551N                        | 04509E        | 32.0         | 148.6        | GGGG                  |                     |                      | 187                     | 21                     |
| 2428-07201        | 00000/0000                           | 2-20022/0642     | 03/25/76         | 10             | 5962            | 5427N                        | 04422E        | 33.0         | 147.3        | GGGG                  |                     |                      | 187                     | 22                     |
| 2428-07204        | 00000/0000                           | 2-20022/0643     | 03/25/76         | 10             | 5962            | 5303N                        | 04337E        | 34.0         | 146.1        | GGG                   |                     |                      | 187                     | 23                     |
| 2428-07210        | 00000/0000                           | 2-20022/0644     | 03/25/76         | 10             | 5962            | 5139N                        | 04254E        | 34.9         | 144.9        | GGGG                  |                     |                      | 187                     | 24                     |
| 2428-07213        | 00000/0000                           | 2-20022/0645     | 03/25/76         | 10             | 5962            | 5014N                        | 04214E        | 35.8         | 143.6        | GGGG                  |                     |                      | 187                     | 25                     |
| 2428-07215        | 00000/0000                           | 2-20022/0646     | 03/25/76         | 10             | 5962            | 4849N                        | 04135E        | 36.8         | 142.4        | GGGG                  |                     |                      | 187                     | 26                     |
| 2428-07222        | 00000/0000                           | 2-20022/0647     | 03/25/76         | 20             | 5962            | 4725N                        | 04059E        | 37.7         | 141.1        | FGGG                  |                     |                      | 187                     | 27                     |
| 2428-07224        | 00000/0000                           | 2-20022/0648     | 03/25/76         | 50             | 5962            | 4600N                        | 04024E        | 38.5         | 139.9        | GGGG                  |                     |                      | 187                     | 28                     |
| 2428-07231        | 00000/0000                           | 2-20022/0649     | 03/25/76         | 10             | 5962            | 4435N                        | 03950E        | 39.4         | 138.6        | FGGG                  |                     |                      | 187                     | 29                     |
| 2428-08585        | 00000/0000                           | 2-20022/0660     | 03/25/76         | 20             | 5963            | 6927N                        | 03151E        | 21.7         | 164.1        | GGGG                  |                     |                      | 205                     | 11                     |
| 2428-09130        | 00000/0000                           | 2-20022/0661     | 03/25/76         | 0              | 5963            | 2145N                        | 00704E        | 49.7         | 114.5        | GGGG                  |                     |                      | 205                     | 45                     |
| 2428-09133        | 00000/0000                           | 2-20022/0662     | 03/25/76         | 20             | 5963            | 2018N                        | 00643E        | 50.0         | 112.7        | GGGG                  |                     |                      | 205                     | 46                     |
| 2428-09135        | 00000/0000                           | 2-20022/0663     | 03/25/76         | 40             | 5963            | 1842N                        | 00622E        | 50.4         | 110.9        | FGGG                  |                     |                      | 205                     | 47                     |
| 2428-09144        | 00000/0000                           | 2-20022/0650     | 03/25/76         | 10             | 5963            | 1568N                        | 00539E        | 50.8         | 107.2        | GGGG                  |                     |                      | 205                     | 49                     |
| 2428-09151        | 00000/0000                           | 2-20022/0600     | 03/25/76         | 10             | 5963            | 1432N                        | 00518E        | 51.0         | 105.4        | GGFG                  |                     |                      | 205                     | 50                     |
| 2428-09153        | 00000/0000                           | 2-20022/0601     | 03/25/76         | 10             | 5963            | 1305N                        | 00457E        | 51.2         | 103.5        | GGGF                  |                     |                      | 205                     | 51                     |
| 2428-10453        | 00000/0000                           | 2-20022/0602     | 03/25/76         | 80             | 5964            | 5840N                        | 00439W        | 30.1         | 151.2        | GGGG                  |                     |                      | 223                     | 19                     |
| 2428-10455        | 00000/0000                           | 2-20022/0603     | 03/25/76         | 80             | 5964            | 5717N                        | 00534W        | 31.1         | 149.9        | GGGG                  |                     |                      | 223                     | 20                     |
| 2428-10462        | 00000/0000                           | 2-20022/0604     | 03/25/76         | 80             | 5964            | 5553N                        | 00624W        | 32.1         | 148.6        | GGGG                  |                     |                      | 223                     | 21                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
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FOR NON-US  
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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2428-10464        | 00000/0000                                     | 2-20022/0605     | 03/25/76       | 80              | 5964                               | 5429N                               | 00712W       | 33.0         | 147.4                              | GGGG                |                      |                         |                        |
| 2428-10471        | 00000/0000                                     | 2-20022/0606     | 03/25/76       | 90              | 5964                               | 5305N                               | 00757W       | 34.0         | 145.1                              | FGGG                |                      | 223                     | 22                     |
| 2428-10473        | 00000/0000                                     | 2-20022/0607     | 03/25/76       | 80              | 5964                               | 5141N                               | 00840W       | 34.9         | 144.9                              | GGGG                |                      | 223                     | 23                     |
| 2428-10480        | 00000/0000                                     | 2-20022/0608     | 03/25/76       | 60              | 5964                               | 5017N                               | 00920W       | 35.9         | 143.7                              | GGGG                |                      | 223                     | 24                     |
| 2428-10555        | 00000/0000                                     | 2-20022/0609     | 03/25/76       | 60              | 5964                               | 2310N                               | 01821W       | 49.3         | 116.2                              | GGG                 |                      | 223                     | 25                     |
| 2428-10562        | 00000/0000                                     | 2-20022/0610     | 03/25/76       | 60              | 5964                               | 2144N                               | 01843W       | 49.7         | 114.4                              | FGGG                | H                    | 223                     | 44                     |
| 2428-10564        | 00000/0000                                     | 2-20022/0611     | 03/25/76       | 90              | 5964                               | 2017N                               | 01905W       | 50.1         | 112.6                              | GGGG                | H                    | 223                     | 45                     |
| 2428-10571        | 00000/0000                                     | 2-20022/0612     | 03/25/76       | 90              | 5964                               | 1851N                               | 01927W       | 50.4         | 110.8                              | FGGG                | H                    | 223                     | 46                     |
| 2428-12562        | 00000/0000                                     | 2-20022/0613     | 03/25/76       | 20              | 5965                               | 3558S                               | 05851W       | 32.6         | 59.0                               | FFFF                |                      | 241                     | 85                     |
| 2428-12571        | 00000/0000                                     | 2-20022/0614     | 03/25/76       | 80              | 5965                               | 3849S                               | 05947W       | 30.6         | 58.1                               | GGGG                |                      | 241                     | 87                     |
| 2428-14123        | 00000/0000                                     | 2-20022/0619     | 03/25/76       | 100             | 5966                               | 5716N                               | 05715W       | 31.1         | 149.9                              | FGGG                |                      | 8                       | 20                     |
| 2428-14125        | 00000/0000                                     | 2-20022/0621     | 03/25/76       | 100             | 5966                               | 5552N                               | 05806W       | 32.1         | 148.6                              | FGGG                |                      | 8                       | 21                     |
| 2428-14132        | 00000/0000                                     | 2-20022/0622     | 03/25/76       | 70              | 5966                               | 5428N                               | 05853W       | 33.1         | 147.3                              | FGGG                |                      | 8                       | 22                     |
| 2428-14200        | 00000/0000                                     | 2-20022/0623     | 03/25/76       | 80              | 5966                               | 3146N                               | 06740W       | 46.2         | 126.0                              | FGGG                |                      | 8                       | 32                     |
| 2428-14202        | 00000/0000                                     | 2-20022/0624     | 03/25/76       | 50              | 5966                               | 3020N                               | 06805W       | 46.8         | 124.4                              | GGGG                |                      | 8                       | 39                     |
| 2428-14205        | 00000/0000                                     | 2-20022/0625     | 03/25/76       | 40              | 5966                               | 2854N                               | 06829W       | 47.4         | 122.8                              | GGGG                |                      | 8                       | 40                     |
| 2428-16054        | 00000/0000                                     | 2-20022/0629     | 03/25/76       | 20              | 5967                               | 2308N                               | 09551W       | 49.4         | 116.1                              | GGGG                |                      | 26                      | 44                     |
| 2428-16061        | 00000/0000                                     | 2-20022/0630     | 03/25/76       | 20              | 5967                               | 2141N                               | 09613W       | 49.8         | 114.3                              | GGGG                |                      | 26                      | 45                     |
| 2428-16063        | 00000/0000                                     | 2-20022/0631     | 03/25/76       | 20              | 5967                               | 2015N                               | 09635W       | 50.1         | 112.5                              | GGGG                |                      | 26                      | 46                     |
| 2428-20574        | 00000/0000                                     | 2-20022/0637     | 03/25/76       | 100             | 5970                               | 8012N                               | 10736W       | 11.0         | 206.2                              | GGGG                |                      | 79                      | 1                      |
| 2428-20580        | 00000/0000                                     | 2-20022/0638     | 03/25/76       | 90              | 5970                               | 7930N                               | 11500W       | 12.1         | 198.9                              | GGGG                |                      | 80                      | 2                      |
| 2428-20583        | 00000/0000                                     | 2-20022/0639     | 03/25/76       | 50              | 5970                               | 7841N                               | 12123W       | 13.2         | 192.5                              | GGGG                |                      | 80                      | 3                      |
| 2428-20585        | 00000/0000                                     | 2-20022/0640     | 03/25/76       | 50              | 5970                               | 7744N                               | 12652W       | 14.3         | 187.0                              | GGGG                |                      | 80                      | 4                      |
| 2428-20592        | 00000/0000                                     | 2-20022/0641     | 03/25/76       | 90              | 5970                               | 7642N                               | 13134W       | 15.4         | 182.3                              | GGGG                |                      | 80                      | 5                      |
| 2428-20594        | 00000/0000                                     | 2-20022/0642     | 03/25/76       | 100             | 5970                               | 7535N                               | 13535W       | 16.5         | 178.2                              | GGGG                |                      | 80                      | 6                      |
| 2428-21001        | 00000/0000                                     | 2-20022/0643     | 03/25/76       | 70              | 5970                               | 7426N                               | 13902W       | 17.6         | 174.7                              | GGGG                |                      | 80                      | 7                      |
| 2428-21003        | 00000/0000                                     | 2-20022/0644     | 03/25/76       | 10              | 5970                               | 7313N                               | 14202W       | 18.7         | 171.5                              | GGGG                |                      | 80                      | 8                      |
| 2428-21010        | 00000/0000                                     | 2-20022/0645     | 03/25/76       | 10              | 5970                               | 7159N                               | 14438W       | 19.8         | 168.8                              | GGGG                |                      | 80                      | 9                      |
| 2429-02193        | 00000/0000                                     | 2-20022/0651     | 03/26/76       | 0               | 5973                               | 4311N                               | 11522E       | 40.5         | 137.2                              | GGGG                |                      | 134                     | 30                     |
| 2429-02195        | 00000/0000                                     | 2-20022/0652     | 03/26/76       | 0               | 5973                               | 4146N                               | 11450E       | 41.3         | 135.9                              | GGGG                |                      | 134                     | 31                     |
| 2429-02202        | 00000/0000                                     | 2-20022/0653     | 03/26/76       | 10              | 5973                               | 4021N                               | 11420E       | 42.1         | 134.5                              | GGGG                |                      | 134                     | 32                     |
| 2429-02204        | 00000/0000                                     | 2-20022/0654     | 03/26/76       | 0               | 5973                               | 3855N                               | 11351E       | 42.9         | 133.2                              | GGGG                |                      | 134                     | 33                     |
| 2429-02211        | 00000/0000                                     | 2-20022/0655     | 03/26/76       | 10              | 5973                               | 3729N                               | 11322E       | 43.7         | 131.8                              | FGGG                |                      | 134                     | 34                     |
| 2429-02213        | 00000/0000                                     | 2-20022/0656     | 03/26/76       | 50              | 5973                               | 3604N                               | 11255E       | 44.4         | 130.3                              | FGGG                |                      | 134                     | 35                     |
| 2429-02220        | 00000/0000                                     | 2-20022/0657     | 03/26/76       | 80              | 5973                               | 3438N                               | 11228E       | 45.1         | 128.8                              | GGGG                |                      | 134                     | 36                     |
| 2429-02222        | 00000/0000                                     | 2-20022/0658     | 03/26/76       | 50              | 5973                               | 3311N                               | 11202E       | 45.8         | 127.3                              | GGGG                |                      | 134                     | 37                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|-----------------|
| 2429-02225        | 00000/0000                   | 2-20022/0659                | 03/26/76         | 80             | 5973            | 3145N                                   | 11136E       | 46.4         | 125.8                              | GGGG                |                      | 134                     | 38              |
| 2429-02231        | 00000/0000                   | 2-20022/0660                | 03/26/76         | 100            | 5973            | 3020N                                   | 11111E       | 47.0         | 124.2                              | GGG                 |                      | 134                     | 39              |
| 2429-02234        | 00000/0000                   | 2-20022/0661                | 03/26/76         | 100            | 5973            | 2853N                                   | 11047E       | 47.6         | 122.6                              | GGG                 |                      | 134                     | 40              |
| 2429-02240        | 00000/0000                   | 2-20022/0662                | 03/26/76         | 100            | 5973            | 2727N                                   | 11024E       | 48.1         | 121.0                              | GGFF                |                      | 134                     | 41              |
| 2429-02243        | 00000/0000                   | 2-20022/0663                | 03/26/76         | 100            | 5973            | 2601N                                   | 11001E       | 48.6         | 119.3                              | GGFF                |                      | 134                     | 42              |
| 2429-02245        | 00000/0000                   | 2-20022/0664                | 03/26/76         | 100            | 5973            | 2436N                                   | 10939E       | 49.1         | 117.6                              | GGGG                |                      | 134                     | 43              |
| 2429-02252        | 00000/0000                   | 2-20022/0665                | 03/26/76         | 100            | 5973            | 2310N                                   | 10916E       | 49.5         | 115.9                              | GGGG                |                      | 134                     | 44              |
| 2429-02254        | 00000/0000                   | 2-20022/0666                | 03/26/76         | 100            | 5973            | 2143N                                   | 10854E       | 49.9         | 114.1                              | FGGG                |                      | 134                     | 45              |
| 2429-04022        | 00000/0000                   | 2-20022/0667                | 03/26/76         | 90             | 5974            | 4437N                                   | 09007E       | 39.7         | 138.5                              | GGGG                |                      | 152                     | 29              |
| 2429-04024        | 00000/0000                   | 2-20022/0668                | 03/26/76         | 80             | 5974            | 4312N                                   | 08934E       | 40.6         | 137.2                              | GGGG                |                      | 152                     | 30              |
| 2429-04072        | 00000/0000                   | 2-20022/0669                | 03/26/76         | 10             | 5974            | 2728N                                   | 08434E       | 48.1         | 121.0                              | GGGG                |                      | 152                     | 41              |
| 2429-04074        | 00000/0000                   | 2-20022/0670                | 03/26/76         | 0              | 5974            | 2602N                                   | 08411E       | 48.6         | 119.3                              | GGGF                |                      | 152                     | 42              |
| 2429-04081        | 00000/0000                   | 2-20022/0671                | 03/26/76         | 0              | 5974            | 2435N                                   | 08348E       | 49.1         | 117.6                              | GGGG                |                      | 152                     | 43              |
| 2429-04083        | 00000/0000                   | 2-20022/0672                | 03/26/76         | 0              | 5974            | 2308N                                   | 08326E       | 49.5         | 115.8                              | GGGG                |                      | 152                     | 44              |
| 2429-04090        | 00000/0000                   | 2-20022/0673                | 03/26/76         | 0              | 5974            | 2142N                                   | 08304E       | 49.9         | 114.1                              | GGGG                |                      | 152                     | 45              |
| 2429-04092        | 00000/0000                   | 2-20022/0674                | 03/26/76         | 0              | 5974            | 2016N                                   | 08243E       | 50.3         | 112.3                              | GGG                 |                      | 152                     | 46              |
| 2429-04095        | 00000/0000                   | 2-20022/0675                | 03/26/76         | 0              | 5974            | 1849N                                   | 08221E       | 50.6         | 110.5                              | GGGG                |                      | 152                     | 47              |
| 2429-06033        | 00000/0000                   | 2-20022/0676                | 03/26/76         | 90             | 5975            | 1717S                                   | 04402E       | 43.8         | 69.2                               | GGGG                |                      | 170                     | 72              |
| 2429-06035        | 00000/0000                   | 2-20022/0677                | 03/26/76         | 90             | 5975            | 1843S                                   | 04741E       | 43.0         | 68.0                               | GGGG                |                      | 170                     | 73              |
| 2429-07260        | 00000/0000                   | 2-20022/0464                | 03/26/76         | 10             | 5976            | 5429N                                   | 04259E       | 33.4         | 147.3                              | GGGG                |                      | 188                     | 22              |
| 2429-07262        | 00000/0000                   | 2-20022/0465                | 03/26/76         | 10             | 5976            | 5306N                                   | 04215E       | 34.3         | 146.0                              | GGGG                |                      | 188                     | 23              |
| 2429-07283        | 00000/0000                   | 2-20022/0466                | 03/26/76         | 40             | 5976            | 4602N                                   | 03900E       | 38.9         | 139.8                              | GGGG                |                      | 188                     | 28              |
| 2429-09191        | 00000/0000                   | 2-20022/0467                | 03/26/76         | 0              | 5977            | 2016N                                   | 00515E       | 50.3         | 112.2                              | GGGG                |                      | 206                     | 46              |
| 2429-09200        | 00000/0000                   | 2-20022/0468                | 03/26/76         | 0              | 5977            | 1723N                                   | 00433E       | 50.9         | 108.5                              | GF G                |                      | 206                     | 48              |
| 2429-09203        | 00000/0000                   | 2-20022/0469                | 03/26/76         | 0              | 5977            | 1556N                                   | 00412E       | 51.1         | 106.6                              | GF G                |                      | 206                     | 49              |
| 2429-09205        | 00000/0000                   | 2-20022/0470                | 03/26/76         | 0              | 5977            | 1430N                                   | 00351E       | 51.2         | 104.8                              | GGGG                |                      | 206                     | 50              |
| 2429-09212        | 00000/0000                   | 2-20022/0471                | 03/26/76         | 0              | 5977            | 1303N                                   | 00331E       | 51.4         | 102.9                              | GGGG                |                      | 206                     | 51              |
| 2429-09214        | 00000/0000                   | 2-20022/0472                | 03/26/76         | 0              | 5977            | 1136N                                   | 00310E       | 51.4         | 101.0                              | GGGG                |                      | 206                     | 52              |
| 2429-13011        | 00000/0000                   | 2-20022/0473                | 03/26/76         | 50             | 5979            | 3305S                                   | 05925W       | 34.3         | 59.7                               | FGGG                |                      | 242                     | 83              |
| 2429-13013        | 00000/0000                   | 2-20022/0474                | 03/26/76         | 20             | 5979            | 3430S                                   | 05952W       | 33.3         | 59.1                               | FGFG                |                      | 242                     | 84              |
| 2429-13025        | 00000/0000                   | 2-20022/0475                | 03/26/76         | 20             | 5979            | 3848S                                   | 06115W       | 30.4         | 57.8                               | FFFF                |                      | 242                     | 87              |
| 2429-13031        | 00000/0000                   | 2-20022/0476                | 03/26/76         | 70             | 5979            | 4013S                                   | 06144W       | 29.4         | 57.4                               | FGGG                |                      | 242                     | 88              |
| 2429-13034        | 00000/0000                   | 2-20022/0477                | 03/26/76         | 30             | 5979            | 4139S                                   | 06214W       | 28.3         | 57.1                               | GGGG                |                      | 242                     | 89              |
| 2429-13040        | 00000/0000                   | 2-20022/0478                | 03/26/76         | 20             | 5979            | 4304S                                   | 06245W       | 27.3         | 56.9                               | GGFG                |                      | 242                     | 90              |
| 2429-13043        | 00000/0000                   | 2-20022/0479                | 03/26/76         | 10             | 5979            | 4429S                                   | 06318W       | 26.3         | 56.6                               | GGGG                |                      | 242                     | 91              |
| 2429-14204        | 00000/0000                   | 2-20022/0497                | 03/26/76         | 10             | 5980            | 4853N                                   | 06303W       | 37.2         | 142.3                              | GGGG                |                      | 9                       | 26              |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | QUAL<br>123 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2429-14213        | 00000/0000 2-20022/0498                        | 03/26/76         | 60             | 5980            | 4602N                              | 06415W                              | 39.0         | 139.7        | GGGG              |             |                     |                      | 9                       | 28                     |
| 2429-14215        | 00000/0000 2-20022/0499                        | 03/26/76         | 30             | 5980            | 4437N                              | 06450W                              | 39.9         | 138.4        | GGGG              |             |                     |                      | 9                       | 29                     |
| 2429-14222        | 00000/0000 2-20022/0500                        | 03/26/76         | 40             | 5980            | 4312N                              | 06522W                              | 40.7         | 137.1        | GGGG              |             |                     |                      | 9                       | 30                     |
| 2429-14224        | 00000/0000 2-20022/0501                        | 03/26/76         | 50             | 5980            | 4146N                              | 06554W                              | 41.5         | 136.8        | FGGG              |             |                     |                      | 9                       | 31                     |
| 2429-14231        | 00000/0000 2-20022/0502                        | 03/26/76         | 40             | 5980            | 4021N                              | 06624W                              | 42.3         | 134.4        | GGGG              |             |                     |                      | 9                       | 32                     |
| 2429-14233        | 00000/0000 2-20022/0503                        | 03/26/76         | 40             | 5980            | 3855N                              | 06653W                              | 43.1         | 133.1        | GGGG              |             |                     |                      | 9                       | 33                     |
| 2429-14240        | 00000/0000 2-20022/0504                        | 03/26/76         | 40             | 5980            | 3730N                              | 06721W                              | 43.8         | 131.6        | GGGG              |             |                     |                      | 9                       | 34                     |
| 2429-14242        | 00000/0000 2-20022/0505                        | 03/26/76         | 30             | 5980            | 3604N                              | 06748W                              | 44.6         | 130.2        | GGGG              |             |                     |                      | 9                       | 35                     |
| 2429-14245        | 00000/0000 2-20022/0506                        | 03/26/76         | 50             | 5980            | 3438N                              | 06814W                              | 45.3         | 128.7        | GGGG              |             |                     |                      | 9                       | 36                     |
| 2429-14251        | 00000/0000 2-20022/0507                        | 03/26/76         | 40             | 5980            | 3313N                              | 06840W                              | 45.9         | 127.2        | GGGG              |             |                     |                      | 9                       | 37                     |
| 2429-14254        | 00000/0000 2-20022/0508                        | 03/26/76         | 40             | 5980            | 3146N                              | 06905W                              | 46.6         | 125.7        | GGGG              |             |                     |                      | 9                       | 38                     |
| 2429-14260        | 00000/0000 2-20022/0509                        | 03/26/76         | 30             | 5980            | 3020N                              | 06930W                              | 47.2         | 124.1        | GGGG              |             |                     |                      | 9                       | 39                     |
| 2429-14263        | 00000/0000 2-20022/0510                        | 03/26/76         | 40             | 5980            | 2854N                              | 06954W                              | 47.7         | 122.5        | GGGG              |             |                     |                      | 9                       | 40                     |
| 2429-14283        | 00000/0000 2-20022/0480                        | 03/26/76         | 40             | 5980            | 2143N                              | 07149W                              | 50.0         | 113.9        | GGGG              |             |                     | H                    | 9                       | 45                     |
| 2429-14290        | 00000/0000 2-20022/0697                        | 03/26/76         | 30             | 5980            | 2017N                              | 07211W                              | 50.4         | 112.1        | GFFG              |             |                     | H                    | 9                       | 46                     |
| 2429-16112        | 00000/0000 2-20022/0969                        | 03/26/76         | 30             | 5981            | 2310N                              | 09715W                              | 49.7         | 115.6        | GGGG              |             |                     |                      | 27                      | 44                     |
| 2429-16115        | 00000/0000 2-20022/0970                        | 03/26/76         | 40             | 5981            | 2144N                              | 09737W                              | 50.0         | 113.9        | GGGG              |             |                     |                      | 27                      | 45                     |
| 2429-16121        | 00000/0000 2-20022/0971                        | 03/26/76         | 30             | 5981            | 2017N                              | 09759W                              | 50.4         | 112.1        | GGGG              |             |                     |                      | 27                      | 46                     |
| 2429-16124        | 00000/0000 2-20022/0972                        | 03/26/76         | 10             | 5981            | 1851N                              | 09820W                              | 50.7         | 110.2        | GGGG              |             |                     |                      | 27                      | 47                     |
| 2429-21034        | 00000/0000 2-20022/0592                        | 03/26/76         | 90             | 5984            | 7931N                              | 11611W                              | 12.5         | 199.1        | GGGG              |             |                     |                      | 80                      | 2                      |
| 2429-21041        | 00000/0000 2-20022/0593                        | 03/26/76         | 70             | 5984            | 7841N                              | 12240W                              | 13.6         | 192.8        | GFFG              |             |                     |                      | 81                      | 3                      |
| 2429-21043        | 00000/0000 2-20022/0594                        | 03/26/76         | 10             | 5984            | 7744N                              | 12809W                              | 14.7         | 187.2        | GGGG              |             |                     |                      | 81                      | 4                      |
| 2429-21050        | 00000/0000 2-20022/0595                        | 03/26/76         | 70             | 5984            | 7642N                              | 13251W                              | 15.8         | 182.5        | GGGG              |             |                     |                      | 81                      | 5                      |
| 2429-21052        | 00000/0000 2-20022/0596                        | 03/26/76         | 90             | 5984            | 7537N                              | 13653W                              | 16.9         | 178.4        | GGGG              |             |                     |                      | 81                      | 6                      |
| 2429-21055        | 00000/0000 2-20022/0597                        | 03/26/76         | 30             | 5984            | 7427N                              | 14022W                              | 18.0         | 174.8        | GGGG              |             |                     |                      | 81                      | 7                      |
| 2429-21061        | 00000/0000 2-20022/0598                        | 03/26/76         | 10             | 5984            | 7316N                              | 14322W                              | 19.1         | 171.7        | GGGG              |             |                     |                      | 81                      | 8                      |
| 2429-21064        | 00000/0000 2-20022/0599                        | 03/26/76         | 10             | 5984            | 7201N                              | 14600W                              | 20.2         | 168.9        | GGGG              |             |                     |                      | 81                      | 9                      |
| 2430-02254        | 00000/0000 2-20022/0698                        | 03/27/76         | 80             | 5987            | 4143N                              | 11323E                              | 41.7         | 135.7        | FFGG              |             |                     |                      | 135                     | 31                     |
| 2430-02260        | 00000/0000 2-20022/0699                        | 03/27/76         | 60             | 5987            | 4018N                              | 11253E                              | 42.5         | 134.3        | GGGG              |             |                     |                      | 135                     | 32                     |
| 2430-02263        | 00000/0000 2-20022/0700                        | 03/27/76         | 80             | 5987            | 3852N                              | 11223E                              | 43.3         | 132.9        | FFGG              |             |                     |                      | 135                     | 33                     |
| 2430-02265        | 00000/0000 2-20022/0701                        | 03/27/76         | 100            | 5987            | 3727N                              | 11155E                              | 44.0         | 131.5        | FFGG              |             |                     |                      | 135                     | 34                     |
| 2430-02272        | 00000/0000 2-20022/0702                        | 03/27/76         | 100            | 5987            | 3602N                              | 11128E                              | 44.8         | 130.0        | FFGG              |             |                     |                      | 135                     | 35                     |
| 2430-02274        | 00000/0000 2-20022/0703                        | 03/27/76         | 90             | 5987            | 3436N                              | 11101E                              | 45.5         | 128.5        | FFGG              |             |                     |                      | 135                     | 36                     |
| 2430-02281        | 00000/0000 2-20022/0704                        | 03/27/76         | 90             | 5987            | 3309N                              | 11035E                              | 46.1         | 127.0        | FFGG              |             |                     |                      | 135                     | 37                     |
| 2430-02295        | 00000/0000 2-20022/0705                        | 03/27/76         | 100            | 5987            | 2725N                              | 10857E                              | 48.4         | 120.6        | GGGG              |             |                     |                      | 135                     | 41                     |
| 2430-02301        | 00000/0000 2-20022/0706                        | 03/27/76         | 90             | 5987            | 2600N                              | 10834E                              | 48.9         | 118.9        | GGGG              |             |                     |                      | 135                     | 42                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G, GOOD, P, POOR, F, FAIR.  
 MSS DATA MODE ..... (BLANK) = COMPRESSED, L = LINEAR  
 MSS IMAGE GAIN ..... (BLANK) = LOW GAIN, H = HIGH GAIN

C2144 APR 28, 1977

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2430-02304        | 00000/0000                                     | 2-20022/0707     | 03/27/76       | 100             | 5987                               | 2434N                               | 10811E       | 49.4         | 117.2             | GFGG                |                      | 135                     | 43                     |
| 2430-02310        | 00000/0000                                     | 2-20022/0708     | 03/27/76       | 100             | 5987                               | 2308N                               | 10748E       | 49.8         | 115.4             | FGGG                |                      | 135                     | 44                     |
| 2430-02360        | 00000/0000                                     | 2-20022/0709     | 03/27/76       | 20              | 5987                               | 0549N                               | 10338E       | 51.3         | 93.1              | GFGG                |                      | 135                     | 56                     |
| 2430-02363        | 00000/0000                                     | 2-20022/0710     | 03/27/76       | 30              | 5987                               | 0422N                               | 10318E       | 51.1         | 91.3              | GFGG                |                      | 135                     | 57                     |
| 2430-02365        | 00000/0000                                     | 2-20022/0711     | 03/27/76       | 40              | 5987                               | 0255N                               | 10259E       | 50.9         | 89.5              | GFGG                |                      | 135                     | 58                     |
| 2430-02372        | 00000/0000                                     | 2-20022/0712     | 03/27/76       | 90              | 5987                               | 0128N                               | 10239E       | 50.7         | 87.7              | GFGG                |                      | 135                     | 59                     |
| 2430-04080        | 00000/0000                                     | 2-20022/0713     | 03/27/76       | 10              | 5988                               | 4437N                               | 08840E       | 40.1         | 138.4             | GFGG                |                      | 153                     | 29                     |
| 2430-04083        | 00000/0000                                     | 2-20022/0714     | 03/27/76       | 10              | 5988                               | 4312N                               | 08808E       | 40.9         | 137.0             | FGGG                |                      | 153                     | 30                     |
| 2430-04085        | 00000/0000                                     | 2-20022/0715     | 03/27/76       | 10              | 5988                               | 4147N                               | 08737E       | 41.7         | 135.7             | FGGG                |                      | 153                     | 31                     |
| 2430-04130        | 00000/0000                                     | 2-20022/0716     | 03/27/76       | 10              | 5988                               | 2728N                               | 08309E       | 48.4         | 120.6             | GFGG                |                      | 153                     | 41                     |
| 2430-04133        | 00000/0000                                     | 2-20022/0717     | 03/27/76       | 10              | 5988                               | 2602N                               | 08245E       | 48.9         | 118.9             | GFGG                |                      | 153                     | 42                     |
| 2430-04135        | 00000/0000                                     | 2-20022/0718     | 03/27/76       | 0               | 5988                               | 2436N                               | 08222E       | 49.4         | 117.2             | GFGG                |                      | 153                     | 43                     |
| 2430-04142        | 00000/0000                                     | 2-20022/0719     | 03/27/76       | 0               | 5988                               | 2310N                               | 08200E       | 49.8         | 115.4             | GFGG                |                      | 153                     | 44                     |
| 2430-04144        | 00000/0000                                     | 2-20022/0720     | 03/27/76       | 0               | 5988                               | 2143N                               | 08138E       | 50.2         | 113.6             | GFGG                |                      | 153                     | 45                     |
| 2430-04151        | 00000/0000                                     | 2-20022/0721     | 03/27/76       | 0               | 5988                               | 2017N                               | 08116E       | 50.5         | 111.8             | GFGG                |                      | 153                     | 46                     |
| 2430-04153        | 00000/0000                                     | 2-20022/0722     | 03/27/76       | 0               | 5988                               | 1850N                               | 08055E       | 50.8         | 110.0             | GFGG                |                      | 153                     | 47                     |
| 2430-05414        | 00000/0000                                     | 2-20022/0723     | 03/27/76       | 0               | 5989                               | 7537N                               | 09417E       | 17.0         | 178.4             | GFGG                |                      | 171                     | 6                      |
| 2430-05521        | 00000/0000                                     | 2-20022/0724     | 03/27/76       | 10              | 5989                               | 4148N                               | 06148E       | 41.8         | 135.7             | GFGG                |                      | 171                     | 31                     |
| 2430-05523        | 00000/0000                                     | 2-20022/0725     | 03/27/76       | 50              | 5989                               | 4022N                               | 06118E       | 42.6         | 134.3             | FGGG                |                      | 171                     | 32                     |
| 2430-05530        | 00000/0000                                     | 2-20022/0726     | 03/27/76       | 30              | 5989                               | 3856N                               | 06049E       | 43.3         | 132.9             | GFGG                |                      | 171                     | 33                     |
| 2430-05532        | 00000/0000                                     | 2-20022/0727     | 03/27/76       | 10              | 5989                               | 3731N                               | 06020E       | 44.1         | 131.5             | FGGG                |                      | 171                     | 34                     |
| 2430-07300        | 00000/0000                                     | 2-20022/0867     | 03/27/76       | 20              | 5990                               | 6002N                               | 04506E       | 29.8         | 152.5             | GFGG                |                      | 189                     | 18                     |
| 2430-07302        | 00000/0000                                     | 2-20022/0868     | 03/27/76       | 40              | 5990                               | 5840N                               | 04407E       | 30.8         | 151.2             | GFGG                |                      | 189                     | 19                     |
| 2430-07305        | 00000/0000                                     | 2-20022/0869     | 03/27/76       | 30              | 5990                               | 5717N                               | 04313E       | 31.8         | 149.8             | GFGG                |                      | 189                     | 20                     |
| 2430-07311        | 00000/0000                                     | 2-20022/0870     | 03/27/76       | 40              | 5990                               | 5554N                               | 04222E       | 32.8         | 148.5             | GFGG                |                      | 189                     | 21                     |
| 2430-07314        | 00000/0000                                     | 2-20022/0871     | 03/27/76       | 30              | 5990                               | 5430N                               | 04134E       | 33.8         | 147.3             | GFGG                |                      | 189                     | 22                     |
| 2430-07320        | 00000/0000                                     | 2-20022/0872     | 03/27/76       | 80              | 5990                               | 5307N                               | 04049E       | 34.7         | 146.0             | GFGG                |                      | 189                     | 23                     |
| 2430-07323        | 00000/0000                                     | 2-20022/0873     | 03/27/76       | 60              | 5990                               | 5142N                               | 04006E       | 35.7         | 144.7             | GFGG                |                      | 189                     | 24                     |
| 2430-07325        | 00000/0000                                     | 2-20022/0874     | 03/27/76       | 80              | 5990                               | 5018N                               | 03926E       | 36.6         | 143.5             | GFGG                |                      | 189                     | 25                     |
| 2430-07332        | 00000/0000                                     | 2-20022/0875     | 03/27/76       | 90              | 5990                               | 4853N                               | 03847E       | 37.5         | 142.2             | GFGG                |                      | 189                     | 26                     |
| 2430-07334        | 00000/0000                                     | 2-20022/0876     | 03/27/76       | 90              | 5990                               | 4728N                               | 03809E       | 38.4         | 140.9             | GFGG                |                      | 189                     | 27                     |
| 2430-07341        | 00000/0000                                     | 2-20022/0880     | 03/27/76       | 60              | 5990                               | 4603N                               | 03734E       | 39.3         | 139.6             | GFGG                |                      | 189                     | 28                     |
| 2430-07343        | 00000/0000                                     | 2-20022/0881     | 03/27/76       | 70              | 5990                               | 4438N                               | 03700E       | 40.1         | 138.3             | GFGG                |                      | 189                     | 29                     |
| 2430-07452        | 00000/0000                                     | 2-20022/0882     | 03/27/76       | 10              | 5990                               | 0717N                               | 02633E       | 51.5         | 94.9              | GFGG                |                      | 189                     | 55                     |
| 2430-09252        | 00000/0000                                     | 2-20022/0883     | 03/27/76       | 0               | 5991                               | 1851N                               | 00329E       | 50.8         | 109.9             | GFGG                |                      | 207                     | 47                     |
| 2430-09254        | 00000/0000                                     | 2-20022/0884     | 03/27/76       | 0               | 5991                               | 1725N                               | 00308E       | 51.1         | 108.0             | GFGG                |                      | 207                     | 48                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
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FOR NON-US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|------------------------------|--------------------------------------|------------------|----------------|---------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2430-09261        | 00000/0000                   | 2-20022/0685                         | 03/27/76         | 0              | 5991          | 1558N                                   | 00247E       | 51.3         | 106.1                              | GGGG                |                      | 207                     | 49                     |
| 2430-09263        | 00000/0000                   | 2-20022/0686                         | 03/27/76         | 0              | 5991          | 1431N                                   | 00226E       | 51.4         | 104.2                              | FGGG                |                      | 207                     | 50                     |
| 2430-09270        | 00000/0000                   | 2-20022/0687                         | 03/27/76         | 0              | 5991          | 1304N                                   | 00205E       | 51.5         | 102.4                              | GGGG                |                      | 207                     | 51                     |
| 2430-09272        | 00000/0000                   | 2-20022/0688                         | 03/27/76         | 0              | 5991          | 1137N                                   | 00144E       | 51.6         | 100.5                              | GGGG                |                      | 207                     | 52                     |
| 2430-09275        | 00000/0000                   | 2-20022/0689                         | 03/27/76         | 0              | 5991          | 1011N                                   | 00123E       | 51.6         | 98.6                               | FGGG                |                      | 207                     | 53                     |
| 2430-13042        | 00000/0000                   | 2-20022/0690                         | 03/27/76         | 10             | 5993          | 2431S                                   | 05829W       | 39.6         | 63.5                               | GGGG                |                      | 243                     | 77                     |
| 2430-13045        | 00000/0000                   | 2-20022/0691                         | 03/27/76         | 20             | 5993          | 2558S                                   | 05451W       | 38.7         | 62.7                               | GGFG                |                      | 243                     | 78                     |
| 2430-13051        | 00000/0000                   | 2-20022/0692                         | 03/27/76         | 10             | 5993          | 2723S                                   | 05914W       | 37.8         | 61.9                               | GGGG                |                      | 243                     | 79                     |
| 2430-13054        | 00000/0000                   | 2-20022/0693                         | 03/27/76         | 10             | 5993          | 2849S                                   | 05938W       | 36.9         | 61.2                               | FFFF                |                      | 243                     | 80                     |
| 2430-13060        | 00000/0000                   | 2-20022/0678                         | 03/27/76         | 10             | 5993          | 3016S                                   | 06003W       | 36.0         | 60.5                               | F FF                |                      | 243                     | 81                     |
| 2430-13063        | 00000/0000                   | 2-20022/0679                         | 03/27/76         | 0              | 5993          | 3141S                                   | 06027W       | 35.0         | 59.9                               | G GG                |                      | 243                     | 82                     |
| 2430-13065        | 00000/0000                   | 2-20022/0694                         | 03/27/76         | 10             | 5993          | 3306S                                   | 06053W       | 34.1         | 59.3                               | FFFF                |                      | 243                     | 83                     |
| 2430-13072        | 00000/0000                   | 2-20022/0695                         | 03/27/76         | 10             | 5993          | 3432S                                   | 06119W       | 33.1         | 58.7                               | FFFF                |                      | 243                     | 84                     |
| 2430-13074        | 00000/0000                   | 2-20022/0696                         | 03/27/76         | 0              | 5993          | 3558S                                   | 06146W       | 32.1         | 58.2                               | FFFF                |                      | 243                     | 85                     |
| 2430-13083        | 00000/0000                   | 2-20022/0728                         | 03/27/76         | 0              | 5993          | 3850S                                   | 06242W       | 30.1         | 57.4                               | GFF                 |                      | 243                     | 87                     |
| 2430-13095        | 00000/0000                   | 2-20022/0729                         | 03/27/76         | 0              | 5993          | 4306S                                   | 06412W       | 27.0         | 56.5                               | FFF                 |                      | 243                     | 90                     |
| 2430-13101        | 00000/0000                   | 2-20022/0730                         | 03/27/76         | 0              | 5993          | 4432S                                   | 06444W       | 26.0         | 56.3                               | FFF                 |                      | 243                     | 91                     |
| 2430-13104        | 00000/0000                   | 2-20022/0731                         | 03/27/76         | 10             | 5993          | 4556S                                   | 06517W       | 24.9         | 56.2                               | GFF                 |                      | 243                     | 92                     |
| 2430-13110        | 00000/0000                   | 2-20022/0732                         | 03/27/76         | 0              | 5993          | 4721S                                   | 06551W       | 23.8         | 56.1                               | FFF                 |                      | 243                     | 93                     |
| 2430-14262        | 00000/0000                   | 2-20022/0820                         | 03/27/76         | 90             | 5994          | 4851N                                   | 06429W       | 37.6         | 142.1                              | GG G                |                      | 10                      | 26                     |
| 2430-14283        | 00000/0000                   | 2-20022/0821                         | 03/27/76         | 10             | 5994          | 4145N                                   | 06719W       | 41.9         | 135.6                              | GGFG                |                      | 10                      | 31                     |
| 2430-14285        | 00000/0000                   | 2-20022/0822                         | 03/27/76         | 10             | 5994          | 4020N                                   | 06749W       | 42.7         | 134.2                              | GGFG                |                      | 10                      | 32                     |
| 2430-14292        | 00000/0000                   | 2-20022/0823                         | 03/27/76         | 10             | 5994          | 3844N                                   | 06818W       | 43.5         | 132.8                              | FGGG                |                      | 10                      | 33                     |
| 2430-14294        | 00000/0000                   | 2-20022/0824                         | 03/27/76         | 10             | 5994          | 3728N                                   | 06846W       | 44.2         | 131.4                              | GGGG                |                      | 10                      | 34                     |
| 2430-14301        | 00000/0000                   | 2-20022/0825                         | 03/27/76         | 10             | 5994          | 3603N                                   | 06914W       | 44.9         | 129.9                              | FGGG                |                      | 10                      | 35                     |
| 2430-14303        | 00000/0000                   | 2-20022/0826                         | 03/27/76         | 10             | 5994          | 3437N                                   | 06940W       | 45.6         | 128.4                              | GGGG                |                      | 10                      | 36                     |
| 2430-14310        | 00000/0000                   | 2-20022/0827                         | 03/27/76         | 10             | 5994          | 3311N                                   | 07006W       | 46.3         | 126.9                              | GGGG                |                      | 10                      | 37                     |
| 2430-14312        | 00000/0000                   | 2-20022/0828                         | 03/27/76         | 20             | 5994          | 3145N                                   | 07032W       | 46.9         | 125.3                              | FGGG                |                      | 10                      | 38                     |
| 2430-14315        | 00000/0000                   | 2-20022/0829                         | 03/27/76         | 50             | 5994          | 3019N                                   | 07057W       | 47.5         | 123.7                              | GGGG                |                      | 10                      | 39                     |
| 2430-14321        | 00000/0000                   | 2-20022/0830                         | 03/27/76         | 50             | 5994          | 2853N                                   | 07121W       | 48.1         | 122.1                              | GGGG                |                      | 10                      | 40                     |
| 2430-14324        | 00000/0000                   | 2-20022/0831                         | 03/27/76         | 50             | 5994          | 2727N                                   | 07145W       | 48.6         | 120.4                              | GGGG                |                      | 10                      | 41                     |
| 2430-14401        | 00000/0000                   | 2-20022/0763                         | 03/27/76         | 80             | 5994          | 0128N                                   | 07403W       | 50.7         | 87.4                               | GG                  |                      | 10                      | 59                     |
| 2430-16164        | 00000/0000                   | 2-20022/0973                         | 03/27/76         | 80             | 5995          | 2435N                                   | 09819W       | 49.5         | 116.9                              | GGGG                |                      | 28                      | 43                     |
| 2430-16171        | 00000/0000                   | 2-20022/0974                         | 03/27/76         | 70             | 5995          | 2308N                                   | 09842W       | 49.9         | 115.2                              | GGGG                |                      | 28                      | 44                     |
| 2430-16173        | 00000/0000                   | 2-20022/0975                         | 03/27/76         | 60             | 5995          | 2141N                                   | 09905W       | 50.3         | 113.4                              | GGGG                |                      | 28                      | 45                     |
| 2430-16180        | 00000/0000                   | 2-20022/0976                         | 03/27/76         | 10             | 5995          | 2015N                                   | 09927W       | 50.6         | 111.5                              | GGGG                |                      | 28                      | 46                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI NO./<br>POSITION IN RELI<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2430-16132        | 00000/0000                                     | 2-20022/0977 | 03/27/76         | 10             | 5995            | 1848N                              | 09948W                              | 50.9         | 109.7        | GGGG              |                     |                      | 28                      | 47                     |
| 2430-16145        | 00000/0000                                     | 2-20022/0978 | 03/27/76         | 10             | 5995            | 1721N                              | 10010W                              | 51.2         | 107.8        | GGGG              |                     |                      | 28                      | 48                     |
| 2430-17523        | 00000/0000                                     | 2-20022/0967 | 03/27/76         | 70             | 5996            | 5017N                              | 11529W                              | 36.8         | 143.4        | GGGG              |                     |                      | 46                      | 25                     |
| 2430-21090        | 00000/0000                                     | 2-20022/0481 | 03/27/76         | 60             | 5998            | 8013N                              | 11003W                              | 11.7         | 206.7        | GGGG              |                     |                      | 81                      | 1                      |
| 2430-21092        | 00000/0000                                     | 2-20022/0482 | 03/27/76         | 70             | 5998            | 7932N                              | 11731W                              | 12.8         | 199.4        | GGGF              |                     |                      | 81                      | 2                      |
| 2430-21095        | 00000/0000                                     | 2-20022/0483 | 03/27/76         | 80             | 5998            | 7842N                              | 12400W                              | 14.0         | 193.0        | GGGG              |                     |                      | 82                      | 3                      |
| 2430-21101        | 00000/0000                                     | 2-20022/0484 | 03/27/76         | 40             | 5998            | 7746N                              | 12930W                              | 15.1         | 187.4        | GGGG              |                     |                      | 82                      | 4                      |
| 2430-21104        | 00000/0000                                     | 2-20022/0485 | 03/27/76         | 30             | 5998            | 7644N                              | 13413W                              | 16.2         | 182.6        | FGGF              |                     |                      | 82                      | 5                      |
| 2430-21110        | 00000/0000                                     | 2-20022/0486 | 03/27/76         | 10             | 5998            | 7528N                              | 13816W                              | 17.3         | 178.5        | GGGF              |                     |                      | 82                      | 6                      |
| 2430-21115        | 00000/0000                                     | 2-20022/0487 | 03/27/76         | 30             | 5998            | 7316N                              | 14446W                              | 19.5         | 171.8        | GGGG              |                     |                      | 82                      | 8                      |
| 2430-21122        | 00000/0000                                     | 2-20022/0488 | 03/27/76         | 50             | 5998            | 7202N                              | 14724W                              | 20.6         | 169.0        | GGGG              |                     |                      | 82                      | 9                      |
| 2431-02312        | 00000/0000                                     | 2-20022/0733 | 03/28/76         | 90             | 6001            | 4146N                              | 11157E                              | 42.1         | 135.5        | GGFG              |                     |                      | 136                     | 31                     |
| 2431-02314        | 00000/0000                                     | 2-20022/0734 | 03/28/76         | 100            | 6001            | 4020N                              | 11127E                              | 42.9         | 134.1        | GGFG              |                     |                      | 136                     | 32                     |
| 2431-02321        | 00000/0000                                     | 2-20022/0735 | 03/28/76         | 50             | 6001            | 3855N                              | 11058E                              | 43.6         | 132.7        | GGFG              |                     |                      | 136                     | 33                     |
| 2431-02323        | 00000/0000                                     | 2-20022/0736 | 03/28/76         | 30             | 6001            | 3729N                              | 11030E                              | 44.4         | 131.3        | GGGG              |                     |                      | 136                     | 34                     |
| 2431-02330        | 00000/0000                                     | 2-20022/0737 | 03/28/76         | 100            | 6001            | 3603N                              | 11002E                              | 45.1         | 129.8        | GGGG              |                     |                      | 136                     | 35                     |
| 2431-02332        | 00000/0000                                     | 2-20022/0738 | 03/28/76         | 90             | 6001            | 3437N                              | 10936E                              | 45.8         | 128.3        | GGGG              |                     |                      | 136                     | 36                     |
| 2431-02335        | 00000/0000                                     | 2-20022/0739 | 03/28/76         | 90             | 6001            | 3311N                              | 10910E                              | 46.4         | 126.7        | GGGG              |                     |                      | 136                     | 37                     |
| 2431-02341        | 00000/0000                                     | 2-20022/0740 | 03/28/76         | 100            | 6001            | 3145N                              | 10844E                              | 47.1         | 125.2        | GGG               |                     |                      | 136                     | 38                     |
| 2431-02344        | 00000/0000                                     | 2-20022/0741 | 03/28/76         | 90             | 6001            | 3019N                              | 10820E                              | 47.7         | 123.5        | GFGG              |                     |                      | 136                     | 39                     |
| 2431-02350        | 00000/0000                                     | 2-20022/0742 | 03/28/76         | 90             | 6001            | 2853N                              | 10755E                              | 48.2         | 121.9        | GGFG              |                     |                      | 136                     | 40                     |
| 2431-02355        | 00000/0000                                     | 2-20022/0743 | 03/28/76         | 60             | 6001            | 2601N                              | 10708E                              | 49.2         | 118.5        | GGGG              |                     |                      | 136                     | 42                     |
| 2431-02362        | 00000/0000                                     | 2-20022/0744 | 03/28/76         | 50             | 6001            | 2435N                              | 10645E                              | 49.7         | 116.8        | GGGG              |                     |                      | 136                     | 43                     |
| 2431-04134        | 00000/0000                                     | 2-20022/0786 | 03/28/76         | 0              | 6002            | 4436N                              | 08713E                              | 40.5         | 138.2        | G GG              |                     |                      | 154                     | 29                     |
| 2431-04141        | 00000/0000                                     | 2-20022/0787 | 03/28/76         | 10             | 6002            | 4311N                              | 08641E                              | 41.3         | 136.8        | GGGG              |                     |                      | 154                     | 30                     |
| 2431-04143        | 00000/0000                                     | 2-20022/0788 | 03/28/76         | 40             | 6002            | 4145N                              | 08610E                              | 42.1         | 135.5        | GGGG              |                     |                      | 154                     | 31                     |
| 2431-04184        | 00000/0000                                     | 2-20022/0764 | 03/28/76         | 10             | 6002            | 2727N                              | 08143E                              | 48.8         | 120.2        | G                 |                     |                      | 154                     | 41                     |
| 2431-04193        | 00000/0000                                     | 2-20022/0745 | 03/28/76         | 60             | 6002            | 2435N                              | 08056E                              | 49.7         | 116.7        | GGGG              |                     |                      | 154                     | 43                     |
| 2431-04200        | 00000/0000                                     | 2-20022/0746 | 03/28/76         | 20             | 6002            | 2308N                              | 08033E                              | 50.1         | 114.9        | GGGG              |                     |                      | 154                     | 44                     |
| 2431-04202        | 00000/0000                                     | 2-20022/0747 | 03/28/76         | 10             | 6002            | 2142N                              | 08011E                              | 50.4         | 113.1        | GGGG              |                     |                      | 154                     | 45                     |
| 2431-04205        | 00000/0000                                     | 2-20022/0748 | 03/28/76         | 10             | 6002            | 2016N                              | 07950E                              | 50.8         | 111.3        | GFGG              |                     |                      | 154                     | 46                     |
| 2431-05495        | 00000/0000                                     | 2-20022/0749 | 03/28/76         | 70             | 6003            | 6809N                              | 07719E                              | 23.9         | 162.2        | GGGG              |                     |                      | 172                     | 12                     |
| 2431-05572        | 00000/0000                                     | 2-20022/0750 | 03/28/76         | 0              | 6003            | 4311N                              | 06049E                              | 41.3         | 136.8        | GFGG              |                     |                      | 172                     | 30                     |
| 2431-05575        | 00000/0000                                     | 2-20022/0751 | 03/28/76         | 0              | 6003            | 4146N                              | 06018E                              | 42.1         | 135.5        | GGGG              |                     |                      | 172                     | 31                     |
| 2431-05581        | 00000/0000                                     | 2-20022/0752 | 03/28/76         | 10             | 6003            | 4020N                              | 05948E                              | 42.9         | 134.1        | FGGG              |                     |                      | 172                     | 32                     |
| 2431-05584        | 00000/0000                                     | 2-20022/0753 | 03/28/76         | 10             | 6003            | 3854N                              | 05919E                              | 43.7         | 132.7        | GGGG              |                     |                      | 172                     | 33                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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FOR NMN-US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBY<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2431-05590        | 00000/0000                   | 2-20022/0754                | 03/28/76         | 10             | 6003            | 3728N                              | 05851E                              | 44.4         | 131.2        | GGGG                               |                     |                      | 172                     | 34                     |
| 2431-05593        | 00000/0000                   | 2-20022/0755                | 03/28/76         | 20             | 6003            | 3603N                              | 05824E                              | 45.2         | 129.7        | GGGG                               |                     |                      | 172                     | 35                     |
| 2431-05595        | 00000/0000                   | 2-20022/0756                | 03/28/76         | 40             | 6003            | 3437N                              | 05757E                              | 45.8         | 128.2        | GGGG                               |                     |                      | 172                     | 36                     |
| 2431-06002        | 00000/0000                   | 2-20022/0757                | 03/28/76         | 20             | 6003            | 3311N                              | 05732E                              | 46.5         | 126.7        | GGGG                               |                     |                      | 172                     | 37                     |
| 2431-06004        | 00000/0000                   | 2-20022/0758                | 03/28/76         | 30             | 6003            | 3145N                              | 05706E                              | 47.1         | 125.1        | GGGG                               |                     |                      | 172                     | 38                     |
| 2431-06011        | 00000/0000                   | 2-20022/0759                | 03/28/76         | 70             | 6003            | 3019N                              | 05642E                              | 47.7         | 123.6        | GGGG                               |                     |                      | 172                     | 39                     |
| 2431-06013        | 00000/0000                   | 2-20022/0760                | 03/28/76         | 50             | 6003            | 2853N                              | 05617E                              | 48.3         | 121.8        | GGGG                               |                     |                      | 172                     | 40                     |
| 2431-06020        | 00000/0000                   | 2-20022/0761                | 03/28/76         | 40             | 6003            | 2776N                              | 05553E                              | 48.8         | 120.2        | GGGG                               |                     |                      | 172                     | 41                     |
| 2431-06022        | 00000/0000                   | 2-20022/0762                | 03/28/76         | 70             | 6003            | 2600N                              | 05530E                              | 49.3         | 118.4        | GGGG                               |                     |                      | 172                     | 42                     |
| 2431-07372        | 00000/0000                   | 2-20022/0765                | 03/28/76         | 100            | 6004            | 5428N                              | 04009E                              | 34.2         | 147.2        | GGGG                               |                     |                      | 190                     | 22                     |
| 2431-07375        | 00000/0000                   | 2-20022/0766                | 03/28/76         | 100            | 6004            | 5304N                              | 03924E                              | 35.1         | 145.9        | GGGG                               |                     |                      | 190                     | 23                     |
| 2431-07381        | 00000/0000                   | 2-20022/0767                | 03/28/76         | 100            | 6004            | 5140N                              | 03841E                              | 36.1         | 144.6        | GGGG                               |                     |                      | 190                     | 24                     |
| 2431-07384        | 00000/0000                   | 2-20022/0768                | 03/28/76         | 100            | 6004            | 5015N                              | 03800E                              | 37.0         | 143.3        | GGGG                               |                     |                      | 190                     | 25                     |
| 2431-07390        | 00000/0000                   | 2-20022/0769                | 03/28/76         | 100            | 6004            | 4851N                              | 03721E                              | 37.9         | 142.1        | GGGG                               |                     |                      | 190                     | 26                     |
| 2431-07393        | 00000/0000                   | 2-20022/0770                | 03/28/76         | 90             | 6004            | 4726N                              | 03644E                              | 38.8         | 140.8        | GGGG                               |                     |                      | 190                     | 27                     |
| 2431-07504        | 00000/0000                   | 2-20022/0771                | 03/28/76         | 80             | 6004            | 0842N                              | 02527E                              | 51.7         | 96.1         | GGGG                               |                     |                      | 190                     | 54                     |
| 2431-07511        | 00000/0000                   | 2-20022/0772                | 03/28/76         | 70             | 6004            | 0715N                              | 02506E                              | 51.6         | 94.2         | GGGG                               |                     |                      | 190                     | 55                     |
| 2431-09224        | 00000/0000                   | 2-20022/0850                | 03/28/76         | 10             | 6005            | 4729N                              | 01056E                              | 38.8         | 140.8        | GGGG                               |                     |                      | 208                     | 27                     |
| 2431-13094        | 00000/0000                   | 2-20022/0891                | 03/28/76         | 0              | 6007            | 2303S                              | 05931W                              | 40.3         | 63.9         | PPPP                               |                     |                      | 244                     | 76                     |
| 2431-13100        | 00000/0000                   | 2-20022/0892                | 03/28/76         | 0              | 6007            | 2430S                              | 05954W                              | 39.4         | 63.1         | FFFF                               |                     |                      | 244                     | 77                     |
| 2431-13103        | 00000/0000                   | 2-20022/0893                | 03/28/76         | 0              | 6007            | 2576S                              | 06017W                              | 38.5         | 62.2         | FFFF                               |                     |                      | 244                     | 78                     |
| 2431-13105        | 00000/0000                   | 2-20022/0894                | 03/28/76         | 0              | 6007            | 2722S                              | 06041W                              | 37.6         | 61.5         | GGGG                               |                     |                      | 244                     | 79                     |
| 2431-13112        | 00000/0000                   | 2-20022/0895                | 03/28/76         | 0              | 6007            | 2848S                              | 06105W                              | 36.7         | 60.8         | FFFF                               |                     |                      | 244                     | 80                     |
| 2431-13114        | 00000/0000                   | 2-20022/0896                | 03/28/76         | 0              | 6007            | 3014S                              | 06129W                              | 35.8         | 60.1         | GGGG                               |                     |                      | 244                     | 81                     |
| 2431-13121        | 00000/0000                   | 2-20022/0897                | 03/28/76         | 0              | 6007            | 3140S                              | 06154W                              | 34.8         | 59.5         | GGGG                               |                     |                      | 244                     | 82                     |
| 2431-13123        | 00000/0000                   | 2-20022/0877                | 03/28/76         | 0              | 6007            | 3306S                              | 06219W                              | 33.8         | 58.9         | PPPP                               |                     |                      | 244                     | 83                     |
| 2431-13130        | 00000/0000                   | 2-20022/0878                | 03/28/76         | 0              | 6007            | 3431S                              | 06245W                              | 32.9         | 58.4         | FFFF                               |                     |                      | 244                     | 84                     |
| 2431-13132        | 00000/0000                   | 2-20022/0879                | 03/28/76         | 0              | 6007            | 3557S                              | 06311W                              | 31.9         | 57.9         | FFFF                               |                     |                      | 244                     | 85                     |
| 2431-13135        | 00000/0000                   | 2-20022/0880                | 03/28/76         | 0              | 6007            | 3733S                              | 06339W                              | 30.9         | 57.4         | GGFF                               |                     |                      | 244                     | 86                     |
| 2431-13141        | 00000/0000                   | 2-20022/0881                | 03/28/76         | 0              | 6007            | 3849S                              | 06407W                              | 29.9         | 57.1         | FFFF                               |                     |                      | 244                     | 87                     |
| 2431-13144        | 00000/0000                   | 2-20022/0882                | 03/28/76         | 0              | 6007            | 4014S                              | 06436W                              | 28.8         | 56.7         | FFFF                               |                     |                      | 244                     | 88                     |
| 2431-13150        | 00000/0000                   | 2-20022/0883                | 03/28/76         | 10             | 6007            | 4139S                              | 06506W                              | 27.8         | 56.4         | FFFF                               |                     |                      | 244                     | 89                     |
| 2431-13155        | 00000/0000                   | 2-20022/0884                | 03/28/76         | 30             | 6007            | 4430S                              | 06608W                              | 25.7         | 56.0         | GGGG                               |                     |                      | 244                     | 91                     |
| 2431-13162        | 00000/0000                   | 2-20022/0885                | 03/28/76         | 50             | 6007            | 4555S                              | 06641W                              | 24.6         | 55.9         | FFFF                               |                     |                      | 244                     | 92                     |
| 2431-13164        | 00000/0000                   | 2-20022/0886                | 03/28/76         | 10             | 6007            | 4720S                              | 06715W                              | 23.6         | 55.8         | FFFF                               |                     |                      | 244                     | 93                     |
| 2431-13171        | 00000/0000                   | 2-20022/0887                | 03/28/76         | 30             | 6007            | 4844S                              | 06752W                              | 22.5         | 55.7         | GGGG                               |                     |                      | 244                     | 94                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = x CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | HIGHRES<br>POSITION<br>RAV | FILM<br>RAIL NO./<br>POSITION<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RAV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------|--------------------------------------|------------------|----------------|------------------------|------------------------------|-------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2431-14314        | 00000/0000                 | 2-20022/0801                         | 03/28/76         | 100            | 6008                   | 5017N                        | 06514W                        | 37.1         | 143.3        | FGGG                               |                     |                      | 11                      | 25                     |
| 2431-14320        | 00000/0000                 | 2-20022/0802                         | 03/28/76         | 90             | 6008                   | 4853N                        | 06553W                        | 38.0         | 142.0        | FGGG                               |                     |                      | 11                      | 26                     |
| 2431-14350        | 00000/0000                 | 2-20022/0803                         | 03/28/76         | 50             | 6008                   | 3856N                        | 06943W                        | 43.8         | 132.6        | FGGG                               |                     |                      | 11                      | 33                     |
| 2431-14352        | 00000/0000                 | 2-20022/0804                         | 03/28/76         | 70             | 6008                   | 3730N                        | 07011W                        | 44.6         | 131.1        | GGGG                               |                     |                      | 11                      | 34                     |
| 2431-14355        | 00000/0000                 | 2-20022/0805                         | 03/28/76         | 80             | 6008                   | 3605N                        | 07038W                        | 45.3         | 129.7        | FGGG                               |                     |                      | 11                      | 35                     |
| 2431-14361        | 00000/0000                 | 2-20022/0806                         | 03/28/76         | 90             | 6008                   | 3439N                        | 07104W                        | 46.0         | 128.1        | GGGG                               |                     |                      | 11                      | 36                     |
| 2431-14364        | 00000/0000                 | 2-20022/0807                         | 03/28/76         | 80             | 6008                   | 3313N                        | 07130W                        | 46.6         | 126.6        | GGGG                               |                     |                      | 11                      | 37                     |
| 2431-14370        | 00000/0000                 | 2-20022/0808                         | 03/28/76         | 80             | 6008                   | 3147N                        | 07155W                        | 47.2         | 125.0        | FGGG                               |                     |                      | 11                      | 38                     |
| 2431-14373        | 00000/0000                 | 2-20022/0800                         | 03/28/76         | 90             | 6008                   | 3021N                        | 07220W                        | 47.8         | 123.4        | FGGG                               |                     |                      | 11                      | 39                     |
| 2431-14375        | 00000/0000                 | 2-20022/0809                         | 03/28/76         | 80             | 6008                   | 2855N                        | 07245W                        | 48.4         | 121.7        | GGGG                               |                     |                      | 11                      | 40                     |
| 2431-14382        | 00000/0000                 | 2-20022/0810                         | 03/28/76         | 30             | 6008                   | 2728N                        | 07309W                        | 48.9         | 120.0        | FGGG                               |                     |                      | 11                      | 41                     |
| 2431-14384        | 00000/0000                 | 2-20022/0811                         | 03/28/76         | 30             | 6008                   | 2602N                        | 07332W                        | 49.4         | 118.3        | FGGG                               |                     |                      | 11                      | 42                     |
| 2431-14391        | 00000/0000                 | 2-20022/0812                         | 03/28/76         | 40             | 6008                   | 2436N                        | 07355W                        | 49.8         | 116.6        | GGGG                               |                     |                      | 11                      | 43                     |
| 2431-14393        | 00000/0000                 | 2-20022/0813                         | 03/28/76         | 20             | 6008                   | 2310N                        | 07418W                        | 50.2         | 114.8        | GGGG                               |                     |                      | 11                      | 44                     |
| 2431-14400        | 00000/0000                 | 2-20022/0814                         | 03/28/76         | 10             | 6008                   | 2143N                        | 07440W                        | 50.6         | 113.0        | GGGG                               |                     |                      | 11                      | 45                     |
| 2431-14402        | 00000/0000                 | 2-20022/0815                         | 03/28/76         | 20             | 6008                   | 2017N                        | 07501W                        | 50.9         | 111.1        | FGGG                               |                     |                      | 11                      | 46                     |
| 2431-14405        | 00000/0000                 | 2-20022/0816                         | 03/28/76         | 10             | 6008                   | 1851N                        | 07522W                        | 51.1         | 109.3        | GGGG                               |                     |                      | 11                      | 47                     |
| 2431-14411        | 00000/0000                 | 2-20022/0817                         | 03/28/76         | 20             | 6008                   | 1724N                        | 07544W                        | 51.4         | 107.4        | GGGG                               |                     |                      | 11                      | 48                     |
| 2431-14455        | 00000/0000                 | 2-20022/0818                         | 03/28/76         | 80             | 6008                   | 0130N                        | 07928W                        | 50.8         | 86.8         | GGGG                               |                     |                      | 11                      | 59                     |
| 2431-15143        | 00000/0000                 | 2-20022/0818                         | 03/28/76         | 10             | 6009                   | 5142N                        | 09024W                        | 36.2         | 144.6        | GGGG                               |                     |                      | 29                      | 24                     |
| 2431-16145        | 00000/0000                 | 2-20022/0819                         | 03/28/76         | 30             | 6009                   | 5017N                        | 09106W                        | 37.1         | 143.3        | GGGG                               |                     |                      | 29                      | 25                     |
| 2431-16222        | 00000/0000                 | 2-20022/0832                         | 03/28/76         | 20             | 6009                   | 2437N                        | 09944W                        | 49.8         | 116.5        | GGGG                               |                     |                      | 29                      | 43                     |
| 2431-16225        | 00000/0000                 | 2-20022/0833                         | 03/28/76         | 10             | 6009                   | 2311N                        | 10006W                        | 50.2         | 114.7        | GGGG                               |                     |                      | 29                      | 44                     |
| 2431-16231        | 00000/0000                 | 2-20022/0834                         | 03/28/76         | 10             | 6009                   | 2144N                        | 10029W                        | 50.6         | 112.9        | GGGG                               |                     |                      | 29                      | 45                     |
| 2431-16234        | 00000/0000                 | 2-20022/0835                         | 03/28/76         | 0              | 6009                   | 2017N                        | 10050W                        | 50.9         | 111.1        | GGGG                               |                     |                      | 29                      | 46                     |
| 2431-16240        | 00000/0000                 | 2-20022/0836                         | 03/28/76         | 0              | 6009                   | 1850N                        | 10112W                        | 51.2         | 109.2        | GGGG                               |                     |                      | 29                      | 47                     |
| 2431-16243        | 00000/0000                 | 2-20022/0837                         | 03/28/76         | 10             | 6009                   | 1724N                        | 10134W                        | 51.4         | 107.3        | FGFF                               |                     |                      | 29                      | 48                     |
| 2431-19031        | 00000/0000                 | 2-20022/0773                         | 03/28/76         | 90             | 6010                   | 3313N                        | 12310W                        | 46.7         | 126.5        | GGGG                               |                     |                      | 47                      | 37                     |
| 2431-21180        | 00000/0000                 | 2-20022/0968                         | 03/28/76         | 10             | 6012                   | 7201N                        | 14851W                        | 21.0         | 169.0        | GGG                                |                     |                      | 83                      | 9                      |
| 2432-02370        | 00000/0000                 | 2-20022/0898                         | 03/29/76         | 50             | 6015                   | 4147N                        | 11032E                        | 42.4         | 135.3        | GGGG                               |                     |                      | 137                     | 31                     |
| 2432-02372        | 00000/0000                 | 2-20022/0899                         | 03/29/76         | 20             | 6015                   | 4022N                        | 11002E                        | 43.2         | 133.9        | GGGG                               |                     |                      | 137                     | 32                     |
| 2432-02375        | 00000/0000                 | 2-20022/0900                         | 03/29/76         | 10             | 6015                   | 3856N                        | 10933E                        | 44.0         | 132.5        | GGGG                               |                     |                      | 137                     | 33                     |
| 2432-02381        | 00000/0000                 | 2-20022/0901                         | 03/29/76         | 40             | 6015                   | 3730N                        | 10904E                        | 44.7         | 131.0        | GGGG                               |                     |                      | 137                     | 34                     |
| 2432-02384        | 00000/0000                 | 2-20022/0902                         | 03/29/76         | 80             | 6015                   | 3604N                        | 10836E                        | 45.4         | 129.5        | GGGG                               |                     |                      | 137                     | 35                     |
| 2432-02390        | 00000/0000                 | 2-20022/0903                         | 03/29/76         | 100            | 6015                   | 3439N                        | 10809E                        | 46.1         | 128.0        | GGGG                               |                     |                      | 137                     | 36                     |
| 2432-02393        | 00000/0000                 | 2-20022/0904                         | 03/29/76         | 100            | 6015                   | 3313N                        | 10744E                        | 46.8         | 126.4        | GGGG                               |                     |                      | 137                     | 37                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI. NR./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-------------------------------------------------|------------------|-------------|-----------------|------------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2432-02395        | 00000/0000                                      | 2-20022/0905     | 03/29/76    | 100             | 6015                               | 3147N         | 10719E       | 47.4         | 124.9                              | GGGF                |                      | 137                     | 38                     |
| 2432-02402        | 00000/0000                                      | 2-20022/0906     | 03/29/76    | 100             | 6015                               | 3021N         | 10654E       | 48.0         | 123.2                              | GGGG                |                      | 137                     | 39                     |
| 2432-02404        | 00000/0000                                      | 2-20022/0907     | 03/29/76    | 100             | 6015                               | 2855N         | 10630E       | 48.5         | 121.8                              | GGFF                |                      | 137                     | 40                     |
| 2432-02411        | 00000/0000                                      | 2-20022/0908     | 03/29/76    | 100             | 6015                               | 2729N         | 10606E       | 49.0         | 119.9                              | GFGF                |                      | 137                     | 41                     |
| 2432-02413        | 00000/0000                                      | 2-20022/0909     | 03/29/76    | 90              | 6015                               | 2603N         | 10542E       | 49.5         | 118.1                              | GGGG                |                      | 137                     | 42                     |
| 2432-02420        | 00000/0000                                      | 2-20022/0839     | 03/29/76    | 10              | 6015                               | 2436N         | 10520E       | 49.9         | 116.4                              | GGGG                |                      | 137                     | 43                     |
| 2432-02422        | 00000/0000                                      | 2-20022/0840     | 03/29/76    | 30              | 6015                               | 2311N         | 10457E       | 50.3         | 114.6                              | GGGG                |                      | 137                     | 44                     |
| 2432-02470        | 00000/0000                                      | 2-20022/0841     | 03/29/76    | 10              | 6015                               | 0717N         | 10107E       | 51.7         | 93.8                               | FFGG                |                      | 137                     | 55                     |
| 2432-04181        | 00000/0000                                      | 2-20022/0842     | 03/29/76    | 10              | 6016                               | 4853N         | 08734E       | 38.2         | 142.0                              | GGGG                |                      | 155                     | 26                     |
| 2432-04184        | 00000/0000                                      | 2-20022/0843     | 03/29/76    | 10              | 6016                               | 4728N         | 08657E       | 39.1         | 140.7                              | GFGG                |                      | 155                     | 27                     |
| 2432-04190        | 00000/0000                                      | 2-20022/0844     | 03/29/76    | 0               | 6016                               | 4603N         | 08621E       | 40.0         | 139.4                              | GFGG                |                      | 155                     | 28                     |
| 2432-04193        | 00000/0000                                      | 2-20022/0845     | 03/29/76    | 10              | 6016                               | 4438N         | 08547E       | 40.8         | 138.0                              | GGGG                |                      | 155                     | 29                     |
| 2432-04195        | 00000/0000                                      | 2-20022/0846     | 03/29/76    | 0               | 6016                               | 4312N         | 08515E       | 41.7         | 136.7                              | GGGG                |                      | 155                     | 30                     |
| 2432-04240        | 00000/0000                                      | 2-20022/0838     | 03/29/76    | 0               | 6016                               | 2855N         | 08041E       | 48.5         | 121.5                              | GGGG                |                      | 155                     | 40                     |
| 2432-04243        | 00000/0000                                      | 2-20022/0847     | 03/29/76    | 10              | 6016                               | 2729N         | 08018E       | 49.0         | 119.8                              | GGGG                |                      | 155                     | 41                     |
| 2432-04245        | 00000/0000                                      | 2-20022/0848     | 03/29/76    | 30              | 6016                               | 2603N         | 07954E       | 49.5         | 118.1                              | GGGF                |                      | 155                     | 42                     |
| 2432-04252        | 00000/0000                                      | 2-20022/0849     | 03/29/76    | 20              | 6016                               | 2436N         | 07931E       | 50.0         | 116.3                              | GGGG                |                      | 155                     | 43                     |
| 2432-04261        | 00000/0000                                      | 2-20022/0850     | 03/29/76    | 30              | 6016                               | 2143N         | 07846E       | 50.7         | 112.7                              | GFGG                |                      | 155                     | 45                     |
| 2432-04270        | 00000/0000                                      | 2-20022/0851     | 03/29/76    | 30              | 6016                               | 1850N         | 07803E       | 51.3         | 109.0                              | GGGG                |                      | 155                     | 47                     |
| 2432-04334        | 00000/0000                                      | 2-20022/0852     | 03/29/76    | 20              | 6016                               | 0416S         | 07238E       | 49.2         | 79.7                               | FFGG                | H                    | 155                     | 63                     |
| 2432-04340        | 00000/0000                                      | 2-20022/0853     | 03/29/76    | 20              | 6016                               | 0542S         | 07218E       | 48.7         | 78.2                               | FFGF                | H                    | 155                     | 64                     |
| 2432-04343        | 00000/0000                                      | 2-20022/0854     | 03/29/76    | 20              | 6016                               | 0709S         | 07158E       | 48.1         | 76.7                               | FFGG                | H                    | 155                     | 65                     |
| 2432-04345        | 00000/0000                                      | 2-20022/0855     | 03/29/76    | 20              | 6016                               | 0836S         | 07138E       | 47.6         | 75.2                               | FFGG                | H                    | 155                     | 66                     |
| 2432-06031        | 00000/0000                                      | 2-20022/0789     | 03/29/76    | 0               | 6017                               | 4312N         | 05925E       | 41.7         | 136.7                              | GGGG                |                      | 173                     | 30                     |
| 2432-07412        | 00000/0000                                      | 2-20022/0790     | 03/29/76    | 60              | 6018                               | 6003N         | 04214E       | 30.6         | 152.5                              | GGGG                |                      | 191                     | 18                     |
| 2432-07415        | 00000/0000                                      | 2-20022/0856     | 03/29/76    | 50              | 6018                               | 5840N         | 04115E       | 31.6         | 151.1                              | GGGG                |                      | 191                     | 19                     |
| 2432-07421        | 00000/0000                                      | 2-20022/0857     | 03/29/76    | 30              | 6018                               | 5717N         | 04021E       | 32.6         | 149.7                              | GGGG                |                      | 191                     | 20                     |
| 2432-07424        | 00000/0000                                      | 2-20022/0858     | 03/29/76    | 50              | 6018                               | 5554N         | 03930E       | 33.6         | 148.4                              | GGGG                |                      | 191                     | 21                     |
| 2432-07433        | 00000/0000                                      | 2-20022/0859     | 03/29/76    | 40              | 6018                               | 5306N         | 03756E       | 35.5         | 145.8                              | GGGG                |                      | 191                     | 23                     |
| 2432-07435        | 00000/0000                                      | 2-20022/0860     | 03/29/76    | 60              | 6018                               | 5142N         | 03714E       | 36.4         | 144.5                              | FFGG                |                      | 191                     | 24                     |
| 2432-07442        | 00000/0000                                      | 2-20022/0861     | 03/29/76    | 90              | 6018                               | 5018N         | 03633E       | 37.4         | 143.2                              | GGGG                |                      | 191                     | 25                     |
| 2432-07444        | 00000/0000                                      | 2-20022/0862     | 03/29/76    | 90              | 6018                               | 4853N         | 03554E       | 38.3         | 142.0                              | GGGG                |                      | 191                     | 26                     |
| 2432-07451        | 00000/0000                                      | 2-20022/0863     | 03/29/76    | 50              | 6018                               | 4728N         | 03518E       | 39.2         | 140.6                              | GGGG                |                      | 191                     | 27                     |
| 2432-07453        | 00000/0000                                      | 2-20022/0864     | 03/29/76    | 50              | 6018                               | 4603N         | 03443E       | 40.0         | 139.3                              | GGGG                |                      | 191                     | 28                     |
| 2432-07460        | 00000/0000                                      | 2-20022/0865     | 03/29/76    | 80              | 6018                               | 4438N         | 03410E       | 40.9         | 138.0                              | GGGG                |                      | 191                     | 29                     |
| 2432-07560        | 00000/0000                                      | 2-20022/0866     | 03/29/76    | 20              | 6018                               | 1010N         | 02421E       | 51.9         | 97.4                               | FFGG                |                      | 191                     | 53                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI. NR./<br>POSITION IN ROL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2432-09373        | 00000/0000                                     | 2-20022/0991     | 03/29/76       | 0               | 6019                               | 1557N                               | 00004W       | 51.7         | 105.0             |                     |                      |                         |                        |
| 2432-09380        | 00000/0000                                     | 2-20022/0992     | 03/29/76       | 0               | 6019                               | 1430N                               | 00025W       | 51.8         | 103.1             | GGGG                |                      | 209                     | 49                     |
| 2432-09382        | 00000/0000                                     | 2-20022/0993     | 03/29/76       | 0               | 6019                               | 1303N                               | 00046W       | 51.9         | 101.2             | GGGG                |                      | 209                     | 50                     |
| 2432-09385        | 00000/0000                                     | 2-20022/0990     | 03/29/76       | 0               | 6019                               | 1137N                               | 00107W       | 51.9         | 99.3              | GGGG                |                      | 209                     | 51                     |
| 2432-09391        | 00000/0000                                     | 2-20022/0951     | 03/29/76       | 0               | 6019                               | 1010N                               | 00127W       | 51.9         | 97.4              | GGGG                |                      | 209                     | 52                     |
| 2432-13152        | 00000/0000                                     | 2-20022/0952     | 03/29/76       | 0               | 6021                               | 2302S                               | 06058W       | 40.1         | 63.5              | GGGG                |                      | 209                     | 53                     |
| 2432-13154        | 00000/0000                                     | 2-20022/0953     | 03/29/76       | 0               | 6021                               | 2248S                               | 06120W       | 39.2         | 62.6              | GGGG                |                      | 245                     | 76                     |
| 2432-13161        | 00000/0000                                     | 2-20022/0954     | 03/29/76       | 0               | 6021                               | 2554S                               | 06144W       | 38.4         | 61.8              | FFFF                |                      | 245                     | 77                     |
| 2432-13163        | 00000/0000                                     | 2-20022/0955     | 03/29/76       | 0               | 6021                               | 2720S                               | 06207W       | 37.4         | 61.0              | FFFF                |                      | 245                     | 78                     |
| 2432-13170        | 00000/0000                                     | 2-20022/0956     | 03/29/76       | 0               | 6021                               | 2846S                               | 06231W       | 36.5         | 60.3              | FFFF                |                      | 245                     | 79                     |
| 2432-13172        | 00000/0000                                     | 2-20022/0957     | 03/29/76       | 0               | 6021                               | 3012S                               | 06254W       | 35.6         | 59.7              | FFFF                |                      | 245                     | 80                     |
| 2432-13175        | 00000/0000                                     | 2-20022/0958     | 03/29/76       | 10              | 6021                               | 3138S                               | 06319W       | 34.6         | 59.1              | FFFF                |                      | 245                     | 81                     |
| 2432-13181        | 00000/0000                                     | 2-20022/0959     | 03/29/76       | 10              | 6021                               | 3304S                               | 06344W       | 33.6         | 58.5              | FFFF                |                      | 245                     | 82                     |
| 2432-13184        | 00000/0000                                     | 2-20022/0960     | 03/29/76       | 10              | 6021                               | 3430S                               | 06409W       | 32.7         | 58.0              | FFFF                |                      | 245                     | 83                     |
| 2432-13190        | 00000/0000                                     | 2-20022/0961     | 03/29/76       | 0               | 6021                               | 3555S                               | 06436W       | 31.7         | 57.5              | GGGF                |                      | 245                     | 84                     |
| 2432-13193        | 00000/0000                                     | 2-20022/0962     | 03/29/76       | 0               | 6021                               | 3721S                               | 06503W       | 30.6         | 57.1              | GGGF                |                      | 245                     | 85                     |
| 2432-13195        | 00000/0000                                     | 2-20022/0963     | 03/29/76       | 0               | 6021                               | 3847S                               | 06531W       | 29.6         | 56.7              | PPPP                |                      | 245                     | 86                     |
| 2432-14370        | 00000/0000                                     | 2-20022/0910     | 03/29/76       | 10              | 6022                               | 5145N                               | 06559W       | 36.5         | 144.5             | FFFF                |                      | 245                     | 87                     |
| 2432-14372        | 00000/0000                                     | 2-20022/0911     | 03/29/76       | 30              | 6022                               | 5019N                               | 06640W       | 37.5         | 143.2             | GGGG                |                      | 12                      | 24                     |
| 2432-14375        | 00000/0000                                     | 2-20022/0912     | 03/29/76       | 90              | 6022                               | 4854N                               | 06719W       | 38.4         | 141.9             | GGGG                |                      | 12                      | 25                     |
| 2432-14420        | 00000/0000                                     | 2-20022/0913     | 03/29/76       | 10              | 6022                               | 3441N                               | 07230W       | 46.3         | 127.9             | GGGG                |                      | 12                      | 26                     |
| 2432-14422        | 00000/0000                                     | 2-20022/0914     | 03/29/76       | 10              | 6022                               | 3314N                               | 07256W       | 46.9         | 126.3             | GGGG                |                      | 12                      | 36                     |
| 2432-14425        | 00000/0000                                     | 2-20022/0915     | 03/29/76       | 40              | 6022                               | 3149N                               | 07321W       | 47.5         | 124.7             | GGGG                |                      | 12                      | 37                     |
| 2432-14431        | 00000/0000                                     | 2-20022/0916     | 03/29/76       | 60              | 6022                               | 3023N                               | 07346W       | 48.1         | 123.1             | GGGG                |                      | 12                      | 38                     |
| 2432-14434        | 00000/0000                                     | 2-20022/0917     | 03/29/76       | 10              | 6022                               | 2856N                               | 07410W       | 48.7         | 121.4             | GGGG                |                      | 12                      | 39                     |
| 2432-14440        | 00000/0000                                     | 2-20022/0923     | 03/29/76       | 20              | 6022                               | 2730N                               | 07434W       | 49.2         | 119.7             | GGGG                |                      | 12                      | 40                     |
| 2432-14443        | 00000/0000                                     | 2-20022/0918     | 03/29/76       | 30              | 6022                               | 2604N                               | 07458W       | 49.6         | 117.9             | GG                  |                      | 12                      | 41                     |
| 2432-14445        | 00000/0000                                     | 2-20022/0919     | 03/29/76       | 40              | 6022                               | 2438N                               | 07520W       | 50.1         | 116.2             | GGGG                |                      | 12                      | 42                     |
| 2432-14452        | 00000/0000                                     | 2-20022/0920     | 03/29/76       | 30              | 6022                               | 2311N                               | 07543W       | 50.5         | 114.3             | GGGG                |                      | 12                      | 43                     |
| 2432-14454        | 00000/0000                                     | 2-20022/0964     | 03/29/76       | 20              | 6022                               | 2145N                               | 07605W       | 50.8         | 112.5             | GGGG                |                      | 12                      | 44                     |
| 2432-14522        | 00000/0000                                     | 2-20022/0965     | 03/29/76       | 80              | 6022                               | 0122S                               | 08135W       | 50.1         | 82.8              | GGGG                |                      | 12                      | 45                     |
| 2432-16201        | 00000/0000                                     | 2-20022/0921     | 03/29/76       | 100             | 6023                               | 5144N                               | 09151W       | 36.6         | 144.5             | GGGG                |                      | 30                      | 61                     |
| 2432-16204        | 00000/0000                                     | 2-20022/0922     | 03/29/76       | 100             | 6023                               | 5019N                               | 09231W       | 37.5         | 143.2             | GGGG                |                      | 30                      | 24                     |
| 2432-16283        | 00000/0000                                     | 2-20022/0924     | 03/29/76       | 70              | 6023                               | 2311N                               | 10134W       | 50.5         | 114.3             | GGGG                |                      | 30                      | 25                     |
| 2432-16290        | 00000/0000                                     | 2-20022/0925     | 03/29/76       | 20              | 6023                               | 2144N                               | 10156W       | 50.8         | 112.5             | FG                  |                      | 30                      | 44                     |
| 2432-16292        | 00000/0000                                     | 2-20022/0926     | 03/29/76       | 10              | 6023                               | 2017N                               | 10218W       | 51.1         | 110.6             | GGGG                |                      | 30                      | 45                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------------------------|------------------|-------------|-----------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2432-16295        | 00000/0000 2-20022/0927                            | 03/29/76         | 0           | 6023            | 1851N 10239W                            | 51.4         | 108.7        | GGGG                  |                     |                      | 30                      | 47                     |
| 2432-21202        | 00000/0000 2-20022/0941                            | 03/29/76         | 10          | 6026            | 8012N 11302W                            | 12.5         | 207.0        | GGGF                  |                     |                      | 83                      | 1                      |
| 2432-21205        | 00000/0000 2-20022/0942                            | 03/29/76         | 20          | 6026            | 7931N 12025W                            | 13.6         | 199.6        | GGGG                  |                     |                      | 83                      | 2                      |
| 2432-21211        | 00000/0000 2-20022/0943                            | 03/29/76         | 30          | 6026            | 7842N 12650W                            | 14.7         | 193.2        | GGGG                  |                     |                      | 84                      | 3                      |
| 2432-21214        | 00000/0000 2-20022/0944                            | 03/29/76         | 10          | 6026            | 7746N 13220W                            | 15.8         | 187.6        | GGGG                  |                     |                      | 84                      | 4                      |
| 2432-21220        | 00000/0000 2-20022/0945                            | 03/29/76         | 10          | 6026            | 7644N 13704W                            | 17.0         | 182.8        | FGGG                  |                     |                      | 84                      | 5                      |
| 2432-21223        | 00000/0000 2-20022/0946                            | 03/29/76         | 10          | 6026            | 7538N 14107W                            | 18.1         | 178.7        | FGGG                  |                     |                      | 84                      | 6                      |
| 2432-21225        | 00000/0000 2-20022/0947                            | 03/29/76         | 10          | 6026            | 7429N 14437W                            | 19.2         | 175.0        | FGGG                  |                     |                      | 84                      | 7                      |
| 2432-21232        | 00000/0000 2-20022/0948                            | 03/29/76         | 10          | 6026            | 7317N 14737W                            | 20.3         | 171.9        | GGGG                  |                     |                      | 84                      | 8                      |
| 2432-21234        | 00000/0000 2-20022/0949                            | 03/29/76         | 10          | 6026            | 7202N 15015W                            | 21.3         | 169.1        | GGGG                  |                     |                      | 84                      | 9                      |
| 2433-01084        | 00000/0000 2-20022/0979                            | 03/30/76         | 30          | 6028            | 1013N 12613E                            | 52.0         | 97.1         | GGG                   |                     |                      | 120                     | 53                     |
| 2433-01090        | 00000/0000 2-20022/0980                            | 03/30/76         | 40          | 6028            | 0847N 12553E                            | 51.9         | 95.1         | GG                    |                     |                      | 120                     | 54                     |
| 2433-01093        | 00000/0000 2-20022/0981                            | 03/30/76         | 20          | 6028            | 0720N 12532E                            | 51.8         | 93.3         | GGGG                  |                     |                      | 120                     | 55                     |
| 2433-02424        | 00000/0000 2-20022/0982                            | 03/30/76         | 0           | 6029            | 4149N 10909E                            | 42.8         | 135.1        | GGFG                  |                     |                      | 138                     | 31                     |
| 2433-02431        | 00000/0000 2-20022/0983                            | 03/30/76         | 0           | 6029            | 4023N 10838E                            | 43.6         | 133.7        | GGGG                  |                     |                      | 138                     | 32                     |
| 2433-02433        | 00000/0000 2-20022/0984                            | 03/30/76         | 0           | 6029            | 3858N 10809E                            | 44.3         | 132.3        | GGGG                  |                     |                      | 138                     | 33                     |
| 2433-02440        | 00000/0000 2-20022/0985                            | 03/30/76         | 10          | 6029            | 3732N 10741E                            | 45.1         | 130.8        | GGGG                  |                     |                      | 138                     | 34                     |
| 2433-02442        | 00000/0000 2-20022/0986                            | 03/30/76         | 10          | 6029            | 3606N 10713E                            | 45.8         | 129.3        | GGGG                  |                     |                      | 138                     | 35                     |
| 2433-02445        | 00000/0000 2-20022/0987                            | 03/30/76         | 40          | 6029            | 3440N 10646E                            | 46.4         | 127.7        | GGGF                  |                     |                      | 138                     | 36                     |
| 2433-02451        | 00000/0000 2-20022/0988                            | 03/30/76         | 60          | 6029            | 3314N 10620E                            | 47.1         | 126.2        | GGGF                  |                     |                      | 138                     | 37                     |
| 2433-02454        | 00000/0000 2-20022/0989                            | 03/30/76         | 50          | 6029            | 3148N 10554E                            | 47.7         | 124.5        | FGG                   |                     |                      | 138                     | 38                     |
| 2433-02460        | 00000/0000 2-20022/0990                            | 03/30/76         | 80          | 6029            | 3022N 10529E                            | 48.3         | 122.9        | FGG                   |                     |                      | 138                     | 39                     |
| 2433-02463        | 00000/0000 2-20022/0991                            | 03/30/76         | 90          | 6029            | 2856N 10505E                            | 48.8         | 121.2        | GGG                   |                     |                      | 138                     | 40                     |
| 2433-02465        | 00000/0000 2-20022/0992                            | 03/30/76         | 90          | 6029            | 2730N 10442E                            | 49.3         | 119.5        | GGG                   |                     |                      | 138                     | 41                     |
| 2433-02472        | 00000/0000 2-20022/0993                            | 03/30/76         | 70          | 6029            | 2605N 10419E                            | 49.8         | 117.7        | GGGF                  |                     |                      | 138                     | 42                     |
| 2433-02474        | 00000/0000 2-20022/0994                            | 03/30/76         | 40          | 6029            | 2439N 10356E                            | 50.2         | 115.9        | GGGG                  |                     |                      | 138                     | 43                     |
| 2433-02481        | 00000/0000 2-20022/0995                            | 03/30/76         | 30          | 6029            | 2312N 10333E                            | 50.6         | 114.1        | GGGG                  |                     |                      | 138                     | 44                     |
| 2433-02524        | 00000/0000 2-20022/0996                            | 03/30/76         | 10          | 6029            | 0718N 09942E                            | 51.8         | 93.2         | GGGG                  |                     |                      | 138                     | 55                     |
| 2433-02531        | 00000/0000 2-20022/0997                            | 03/30/76         | 20          | 6029            | 0552N 09922E                            | 51.6         | 91.3         | FGGF                  |                     |                      | 138                     | 56                     |
| 2433-04242        | 00000/0000 2-20022/0794                            | 03/30/76         | 10          | 6030            | 4729N 08530E                            | 39.5         | 140.6        | GGGG                  |                     |                      | 156                     | 27                     |
| 2433-04244        | 00000/0000 2-20022/0795                            | 03/30/76         | 0           | 6030            | 4604N 08455E                            | 40.3         | 139.2        | GGGG                  |                     |                      | 156                     | 28                     |
| 2433-04253        | 00000/0000 2-20022/0796                            | 03/30/76         | 0           | 6030            | 4314N 08349E                            | 42.0         | 136.5        | FGGG                  |                     |                      | 156                     | 30                     |
| 2433-04301        | 00000/0000 2-20022/0797                            | 03/30/76         | 70          | 6030            | 2730N 07851E                            | 49.3         | 119.5        | FGGG                  |                     |                      | 156                     | 41                     |
| 2433-04303        | 00000/0000 2-20022/0798                            | 03/30/76         | 50          | 6030            | 2604N 07828E                            | 49.8         | 117.7        | FGGG                  |                     |                      | 156                     | 42                     |
| 2433-04310        | 00000/0000 2-20022/0799                            | 03/30/76         | 20          | 6030            | 2438N 07805E                            | 50.2         | 115.9        | FGGG                  |                     |                      | 156                     | 43                     |
| 2433-05062        | 00000/0000 2-20022/1268                            | 03/30/76         | 0           | 6031            | 5144N 06138E                            | 36.8         | 144.5        | FGGG                  |                     |                      | 174                     | 24                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | LONG   | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|-------------|-----------------|------------------------------------|--------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2433-06103        | 00000/0000                                     | 2-20022/1269 | 03/30/76         | 60          | 6031            | 3731N                              | 05602E | 45.1         | 130.8        | GGGG                  |                     |                      | 174                     | 34                     |
| 2433-06105        | 00000/0000                                     | 2-20022/1270 | 03/30/76         | 10          | 6031            | 3606N                              | 05534E | 45.8         | 129.2        | GGGG                  |                     |                      | 174                     | 35                     |
| 2433-06112        | 00000/0000                                     | 2-20022/1271 | 03/30/76         | 20          | 6031            | 3440N                              | 05507E | 46.5         | 127.7        | GGGG                  |                     |                      | 174                     | 36                     |
| 2433-06114        | 00000/0000                                     | 2-20022/1272 | 03/30/76         | 60          | 6031            | 3314N                              | 05441E | 47.1         | 126.1        | GGGG                  |                     |                      | 174                     | 37                     |
| 2433-06123        | 00000/0000                                     | 2-20022/1073 | 03/30/76         | 80          | 6031            | 3023N                              | 05351E | 48.3         | 122.8        | GGGG                  |                     |                      | 174                     | 39                     |
| 2433-06130        | 00000/0000                                     | 2-20022/1074 | 03/30/76         | 20          | 6031            | 2856N                              | 05327E | 48.9         | 121.1        | GGGG                  |                     |                      | 174                     | 40                     |
| 2433-06132        | 00000/0000                                     | 2-20022/1075 | 03/30/76         | 20          | 6031            | 2730N                              | 05303E | 49.4         | 119.4        | GGGG                  |                     |                      | 174                     | 41                     |
| 2433-07475        | 00000/0000                                     | 2-20022/1076 | 03/30/76         | 100         | 6032            | 5719N                              | 03854E | 33.0         | 149.7        | GGGG                  |                     |                      | 192                     | 20                     |
| 2433-07482        | 00000/0000                                     | 2-20022/1077 | 03/30/76         | 100         | 6032            | 5555N                              | 03803E | 34.0         | 148.4        | GGGG                  |                     |                      | 192                     | 21                     |
| 2433-07484        | 00000/0000                                     | 2-20022/1078 | 03/30/76         | 90          | 6032            | 5431N                              | 03716E | 34.9         | 147.1        | GGGG                  |                     |                      | 192                     | 22                     |
| 2433-07502        | 00000/0000                                     | 2-20022/1079 | 03/30/76         | 40          | 6032            | 4854N                              | 03428E | 38.6         | 141.9        | GGGG                  |                     |                      | 192                     | 26                     |
| 2433-07505        | 00000/0000                                     | 2-20022/1080 | 03/30/76         | 30          | 6032            | 4729N                              | 03352E | 39.5         | 140.5        | GGGG                  |                     |                      | 192                     | 27                     |
| 2433-08011        | 00000/0000                                     | 2-20022/1014 | 03/30/76         | 10          | 6032            | 1138N                              | 02315E | 52.1         | 98.8         | GGGG                  |                     |                      | 192                     | 52                     |
| 2433-08014        | 00000/0000                                     | 2-20022/1015 | 03/30/76         | 20          | 6032            | 1012N                              | 02254E | 52.0         | 96.9         | GGGG                  |                     |                      | 192                     | 53                     |
| 2433-09334        | 00000/0000                                     | 2-20022/1016 | 03/30/76         | 60          | 6033            | 4853N                              | 00840E | 38.7         | 141.8        | GGGG                  |                     |                      | 210                     | 26                     |
| 2433-09341        | 00000/0000                                     | 2-20022/1017 | 03/30/76         | 10          | 6033            | 4729N                              | 00804E | 39.6         | 140.5        | GGGG                  |                     |                      | 210                     | 27                     |
| 2433-09441        | 00000/0000                                     | 2-20022/0999 | 03/30/76         | 0           | 6033            | 1431N                              | 00151W | 52.0         | 102.6        | GGGG                  |                     |                      | 210                     | 50                     |
| 2433-09443        | 00000/0000                                     | 2-20022/1000 | 03/30/76         | 0           | 6033            | 1305N                              | 00212W | 52.1         | 100.7        | GGGG                  |                     |                      | 210                     | 51                     |
| 2433-09450        | 00000/0000                                     | 2-20022/1002 | 03/30/76         | 0           | 6033            | 1138N                              | 00233W | 52.1         | 98.7         | GGGG                  |                     |                      | 210                     | 52                     |
| 2433-09452        | 00000/0000                                     | 2-20022/1003 | 03/30/76         | 10          | 6033            | 1011N                              | 00253W | 52.1         | 96.8         | GGGG                  |                     |                      | 210                     | 53                     |
| 2433-13204        | 00000/0000                                     | 2-20022/1004 | 03/30/76         | 0           | 6035            | 0844N                              | 00313W | 52.0         | 94.9         | GGGG                  |                     |                      | 210                     | 54                     |
| 2433-13210        | 00000/0000                                     | 2-20022/1005 | 03/30/76         | 0           | 6035            | 2137S                              | 06203W | 60.8         | 63.9         | GGGG                  |                     |                      | 246                     | 75                     |
| 2433-13213        | 00000/0000                                     | 2-20022/1006 | 03/30/76         | 0           | 6035            | 2304S                              | 06226W | 39.9         | 63.0         | GGGG                  |                     |                      | 246                     | 76                     |
| 2433-13215        | 00000/0000                                     | 2-20022/1007 | 03/30/76         | 0           | 6035            | 2430S                              | 06248W | 39.1         | 62.1         | GGGG                  |                     |                      | 246                     | 77                     |
| 2433-13222        | 00000/0000                                     | 2-20022/1008 | 03/30/76         | 30          | 6035            | 2557S                              | 06311W | 38.1         | 61.3         | FFFF                  |                     |                      | 246                     | 78                     |
| 2433-13231        | 00000/0000                                     | 2-20022/1009 | 03/30/76         | 90          | 6035            | 2723S                              | 06334W | 37.2         | 60.6         | PPPP                  |                     |                      | 246                     | 79                     |
| 2433-13233        | 00000/0000                                     | 2-20022/1010 | 03/30/76         | 20          | 6035            | 3015S                              | 06421W | 35.3         | 59.2         | PPPP                  |                     |                      | 246                     | 81                     |
| 2433-13242        | 00000/0000                                     | 2-20022/1011 | 03/30/76         | 10          | 6035            | 3141S                              | 06446W | 34.4         | 58.6         | PPPP                  |                     |                      | 246                     | 82                     |
| 2433-13245        | 00000/0000                                     | 2-20022/1012 | 03/30/76         | 10          | 6035            | 3432S                              | 06537W | 32.4         | 57.6         | GGGG                  |                     |                      | 246                     | 84                     |
| 2433-13251        | 00000/0000                                     | 2-20022/1013 | 03/30/76         | 10          | 6035            | 3558S                              | 06604W | 31.4         | 57.1         | GGGG                  |                     |                      | 246                     | 85                     |
| 2433-14424        | 00000/0000                                     | 2-20022/0777 | 03/30/76         | 30          | 6035            | 3724S                              | 06631W | 30.4         | 56.7         | GGGG                  |                     |                      | 246                     | 86                     |
| 2433-14430        | 00000/0000                                     | 2-20022/0778 | 03/30/76         | 10          | 6036            | 5142N                              | 06728W | 36.9         | 144.4        | GGGG                  |                     |                      | 13                      | 24                     |
| 2433-14433        | 00000/0000                                     | 2-20022/0779 | 03/30/76         | 90          | 6036            | 5018N                              | 06808W | 37.9         | 143.1        | GGGG                  |                     |                      | 13                      | 25                     |
| 2433-14485        | 00000/0000                                     | 2-20022/0780 | 03/30/76         | 90          | 6036            | 4853N                              | 06846W | 38.8         | 141.8        | GGGG                  |                     |                      | 13                      | 26                     |
| 2433-14492        | 00000/0000                                     | 2-20022/0781 | 03/30/76         | 30          | 6036            | 3021N                              | 07514W | 48.5         | 122.7        | GGGG                  |                     |                      | 13                      | 39                     |
|                   |                                                |              |                  | 10          | 6036            | 2844N                              | 07538W | 49.0         | 121.0        | GGGG                  |                     |                      | 13                      | 40                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 177

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|-------------------|------------------------------|--------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2433-14494        | 00000/0000                   | 2-20022/0785                         | 03/30/76         | 50             | 6036            | 2728N                              | 07602W                              | 49.5         | 119.2        | GG                                 |                     | H                    | 13                      | 41                     |
| 2433-14501        | 00000/0000                   | 2-20022/0782                         | 03/30/76         | 10             | 6036            | 2602N                              | 07625W                              | 49.9         | 117.5        | GGGG                               |                     | H                    | 13                      | 42                     |
| 2433-14503        | 00000/0000                   | 2-20022/0783                         | 03/30/76         | 20             | 6036            | 2435N                              | 07648W                              | 50.4         | 115.7        | GGGG                               |                     | H                    | 13                      | 43                     |
| 2433-14510        | 00000/0000                   | 2-20022/0784                         | 03/30/76         | 20             | 6036            | 2309N                              | 07710W                              | 50.7         | 113.8        | GGGG                               |                     | H                    | 13                      | 44                     |
| 2433-16332        | 00000/0000                   | 2-20022/0928                         | 03/30/76         | 20             | 6037            | 2602N                              | 10214W                              | 50.0         | 117.4        | GGGG                               |                     |                      | 31                      | 42                     |
| 2433-16335        | 00000/0000                   | 2-20022/0929                         | 03/30/76         | 50             | 6037            | 2435N                              | 10237W                              | 50.4         | 115.6        | GGGG                               |                     |                      | 31                      | 43                     |
| 2433-16341        | 00000/0000                   | 2-20022/0930                         | 03/30/76         | 90             | 6037            | 2309N                              | 10259W                              | 50.8         | 113.8        | GGGG                               |                     |                      | 31                      | 44                     |
| 2433-16344        | 00000/0000                   | 2-20022/0931                         | 03/30/76         | 60             | 6037            | 2142N                              | 10322W                              | 51.1         | 112.0        | GGGG                               |                     |                      | 31                      | 45                     |
| 2433-16350        | 00000/0000                   | 2-20022/0932                         | 03/30/76         | 10             | 6037            | 2015N                              | 10345W                              | 51.4         | 110.1        | GGGG                               |                     |                      | 31                      | 46                     |
| 2433-16353        | 00000/0000                   | 2-20022/0933                         | 03/30/76         | 10             | 6037            | 1849N                              | 10406W                              | 51.6         | 108.2        | GGGG                               |                     |                      | 31                      | 47                     |
| 2433-18093        | 00000/0000                   | 2-20022/0998                         | 03/30/76         | 70             | 6038            | 5020N                              | 11945W                              | 37.9         | 143.1        | GGGF                               |                     |                      | 49                      | 25                     |
| 2433-21293        | 00000/0000                   | 2-20022/0966                         | 03/30/76         | 10             | 6040            | 7204N                              | 15142W                              | 21.7         | 169.2        | GGGG                               |                     |                      | 85                      | 9                      |
| 2434-01124        | 00000/0000                   | 2-20022/1018                         | 03/31/76         | 10             | 6042            | 1557N                              | 12606E                              | 52.0         | 104.2        | GGGG                               |                     |                      | 121                     | 49                     |
| 2434-01133        | 00000/0000                   | 2-20022/1041                         | 03/31/76         | 60             | 6042            | 1304N                              | 12526E                              | 52.2         | 100.3        | GGGG                               |                     |                      | 121                     | 51                     |
| 2434-01135        | 00000/0000                   | 2-20022/1042                         | 03/31/76         | 70             | 6042            | 1137N                              | 12506E                              | 52.2         | 98.3         | GGGG                               |                     |                      | 121                     | 52                     |
| 2434-01142        | 00000/0000                   | 2-20022/1043                         | 03/31/76         | 60             | 6042            | 1011N                              | 12445E                              | 52.1         | 96.4         | GGGG                               |                     |                      | 121                     | 53                     |
| 2434-01144        | 00000/0000                   | 2-20022/1044                         | 03/31/76         | 50             | 6042            | 0844N                              | 12424E                              | 52.1         | 94.5         | GGGG                               |                     |                      | 121                     | 54                     |
| 2434-01151        | 00000/0000                   | 2-20022/1045                         | 03/31/76         | 50             | 6042            | 0717N                              | 12404E                              | 51.9         | 92.6         | GGGG                               |                     |                      | 121                     | 55                     |
| 2434-02482        | 00000/0000                   | 2-20022/1046                         | 03/31/76         | 20             | 6043            | 4147N                              | 10741E                              | 43.2         | 134.9        | GGGG                               |                     |                      | 139                     | 31                     |
| 2434-02485        | 00000/0000                   | 2-20022/1047                         | 03/31/76         | 0              | 6043            | 4021N                              | 10711E                              | 44.0         | 133.5        | GGGG                               |                     |                      | 139                     | 32                     |
| 2434-02494        | 00000/0000                   | 2-20022/1048                         | 03/31/76         | 20             | 6043            | 3730N                              | 10613E                              | 45.4         | 130.5        | GGGG                               |                     |                      | 139                     | 34                     |
| 2434-02500        | 00000/0000                   | 2-20022/1049                         | 03/31/76         | 40             | 6043            | 3604N                              | 10546E                              | 46.1         | 129.0        | GGGG                               |                     |                      | 139                     | 35                     |
| 2434-02503        | 00000/0000                   | 2-20022/1050                         | 03/31/76         | 80             | 6043            | 3438N                              | 10519E                              | 46.8         | 127.4        | GGGG                               |                     |                      | 139                     | 36                     |
| 2434-02505        | 00000/0000                   | 2-20022/1051                         | 03/31/76         | 100            | 6043            | 3312N                              | 10453E                              | 47.4         | 125.8        | GGGG                               |                     |                      | 139                     | 37                     |
| 2434-02512        | 00000/0000                   | 2-20022/1052                         | 03/31/76         | 90             | 6043            | 3146N                              | 10428E                              | 48.0         | 124.2        | GGGG                               |                     |                      | 139                     | 38                     |
| 2434-02514        | 00000/0000                   | 2-20022/1053                         | 03/31/76         | 90             | 6043            | 3021N                              | 10403E                              | 48.6         | 122.5        | GGGG                               |                     |                      | 139                     | 39                     |
| 2434-02521        | 00000/0000                   | 2-20022/1054                         | 03/31/76         | 90             | 6043            | 2855N                              | 10339E                              | 49.1         | 120.8        | GGGG                               |                     |                      | 139                     | 40                     |
| 2434-02523        | 00000/0000                   | 2-20022/1055                         | 03/31/76         | 70             | 6043            | 2728N                              | 10315E                              | 49.6         | 119.0        | GGGG                               |                     |                      | 139                     | 41                     |
| 2434-02530        | 00000/0000                   | 2-20022/1056                         | 03/31/76         | 30             | 6043            | 2602N                              | 10251E                              | 50.1         | 117.3        | GGGG                               |                     |                      | 139                     | 42                     |
| 2434-02532        | 00000/0000                   | 2-20022/1057                         | 03/31/76         | 10             | 6043            | 2436N                              | 10229E                              | 50.5         | 115.5        | GGGG                               |                     |                      | 139                     | 43                     |
| 2434-02535        | 00000/0000                   | 2-20022/1058                         | 03/31/76         | 10             | 6043            | 2309N                              | 10206E                              | 50.9         | 113.6        | GGGG                               |                     |                      | 139                     | 44                     |
| 2434-04303        | 00000/0000                   | 2-20022/1019                         | 03/31/76         | 10             | 6044            | 4603N                              | 08329E                              | 40.7         | 139.0        | GGGG                               |                     |                      | 157                     | 28                     |
| 2434-04305        | 00000/0000                   | 2-20022/1020                         | 03/31/76         | 10             | 6044            | 4438N                              | 08255E                              | 41.6         | 137.7        | GGGG                               |                     |                      | 157                     | 29                     |
| 2434-04312        | 00000/0000                   | 2-20022/1021                         | 03/31/76         | 10             | 6044            | 4312N                              | 08222E                              | 42.4         | 136.3        | GGGG                               |                     |                      | 157                     | 30                     |
| 2434-04314        | 00000/0000                   | 2-20022/1022                         | 03/31/76         | 70             | 6044            | 4146N                              | 08151E                              | 43.2         | 134.9        | GGGG                               |                     |                      | 157                     | 31                     |
| 2434-04321        | 00000/0000                   | 2-20022/1023                         | 03/31/76         | 100            | 6044            | 4021N                              | 08120E                              | 44.0         | 133.4        | GGGG                               |                     |                      | 157                     | 32                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SBBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SBBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2434-04323        | 00000/0000                   | 2-20022/1024                | 03/31/76         | 100            | 6044            | 3855N                        | 08051E        | 44.7         | 132.0        | GGFG                               |                     |                      | 157                     | 33                     |
| 2434-04330        | 00000/0000                   | 2-20022/1025                | 03/31/76         | 100            | 6044            | 3730N                        | 08023E        | 45.5         | 130.5        | GGGG                               |                     |                      | 157                     | 34                     |
| 2434-04353        | 00000/0000                   | 2-20022/1026                | 03/31/76         | 90             | 6044            | 2854N                        | 07749E        | 49.2         | 120.8        | GGGG                               |                     |                      | 157                     | 40                     |
| 2434-04355        | 00000/0000                   | 2-20022/1027                | 03/31/76         | 80             | 6044            | 2728N                        | 07725E        | 49.7         | 119.0        | GGGG                               |                     |                      | 157                     | 41                     |
| 2434-04362        | 00000/0000                   | 2-20022/1028                | 03/31/76         | 70             | 6044            | 2601N                        | 07702E        | 50.1         | 117.2        | GGGG                               |                     |                      | 157                     | 42                     |
| 2434-04364        | 00000/0000                   | 2-20022/1029                | 03/31/76         | 60             | 6044            | 2435N                        | 07638E        | 50.5         | 115.4        | GGGG                               |                     |                      | 157                     | 43                     |
| 2434-04371        | 00000/0000                   | 2-20022/1030                | 03/31/76         | 30             | 6044            | 2308N                        | 07616E        | 50.9         | 113.6        | GGGG                               |                     |                      | 157                     | 44                     |
| 2434-04373        | 00000/0000                   | 2-20022/1031                | 03/31/76         | 20             | 6044            | 2141N                        | 07554E        | 51.2         | 111.7        | GGGG                               |                     |                      | 157                     | 45                     |
| 2434-06114        | 00000/0000                   | 2-20022/1081                | 03/31/76         | 0              | 6045            | 5306N                        | 06053E        | 36.3         | 145.7        | GGGG                               |                     |                      | 175                     | 23                     |
| 2434-06120        | 00000/0000                   | 2-20022/1082                | 03/31/76         | 0              | 6045            | 5141N                        | 06011E        | 37.2         | 144.3        | GGGG                               |                     |                      | 175                     | 24                     |
| 2434-07525        | 00000/0000                   | 2-20022/1083                | 03/31/76         | 100            | 6046            | 6003N                        | 03920E        | 31.4         | 152.4        | GGGG                               |                     |                      | 193                     | 18                     |
| 2434-07531        | 00000/0000                   | 2-20022/1084                | 03/31/76         | 90             | 6046            | 5840N                        | 03821E        | 32.4         | 151.0        | GGGG                               |                     |                      | 193                     | 19                     |
| 2434-07534        | 00000/0000                   | 2-20022/1085                | 03/31/76         | 80             | 6046            | 5717N                        | 03727E        | 33.4         | 149.6        | FGGG                               |                     |                      | 193                     | 20                     |
| 2434-07540        | 00000/0000                   | 2-20022/1086                | 03/31/76         | 70             | 6046            | 5554N                        | 03636E        | 34.4         | 148.3        | GGGG                               |                     |                      | 193                     | 21                     |
| 2434-07545        | 00000/0000                   | 2-20022/1087                | 03/31/76         | 90             | 6046            | 5306N                        | 03503E        | 36.3         | 145.6        | GGGG                               |                     |                      | 193                     | 23                     |
| 2434-07552        | 00000/0000                   | 2-20022/1088                | 03/31/76         | 100            | 6046            | 5142N                        | 03420E        | 37.2         | 144.3        | FGGG                               |                     |                      | 193                     | 24                     |
| 2434-07554        | 00000/0000                   | 2-20022/1089                | 03/31/76         | 90             | 6046            | 5017N                        | 03340E        | 38.2         | 143.0        | GGGG                               |                     |                      | 193                     | 25                     |
| 2434-07561        | 00000/0000                   | 2-20022/1090                | 03/31/76         | 90             | 6046            | 4852N                        | 03301E        | 39.1         | 141.7        | GGGG                               |                     |                      | 193                     | 26                     |
| 2434-07570        | 00000/0000                   | 2-20022/1072                | 03/31/76         | 60             | 6046            | 4601N                        | 03150E        | 40.8         | 139.0        | G                                  |                     |                      | 193                     | 28                     |
| 2434-08070        | 00000/0000                   | 2-20022/1059                | 03/31/76         | 70             | 6046            | 1136N                        | 02149E        | 52.2         | 98.1         | GFGG                               |                     |                      | 193                     | 52                     |
| 2434-08072        | 00000/0000                   | 2-20022/1060                | 03/31/76         | 60             | 6046            | 1010N                        | 02129E        | 52.2         | 96.2         | GGGG                               |                     |                      | 193                     | 53                     |
| 2434-08075        | 00000/0000                   | 2-20022/1061                | 03/31/76         | 50             | 6046            | 0843N                        | 02108E        | 52.1         | 94.3         | GGGG                               |                     |                      | 193                     | 54                     |
| 2434-08081        | 00000/0000                   | 2-20022/1062                | 03/31/76         | 80             | 6046            | 0716N                        | 02048E        | 51.9         | 92.4         | GGGG                               |                     |                      | 193                     | 55                     |
| 2434-09492        | 00000/0000                   | 2-20022/1063                | 03/31/76         | 0              | 6047            | 1429N                        | 00319W        | 52.2         | 102.0        | GGGG                               |                     |                      | 211                     | 50                     |
| 2434-09495        | 00000/0000                   | 2-20022/1064                | 03/31/76         | 0              | 6047            | 1324N                        | 00339W        | 52.3         | 100.0        | GGGG                               |                     |                      | 211                     | 51                     |
| 2434-09501        | 00000/0000                   | 2-20022/1065                | 03/31/76         | 0              | 6047            | 1136N                        | 00400W        | 52.2         | 98.1         | GGGG                               |                     |                      | 211                     | 52                     |
| 2434-09504        | 00000/0000                   | 2-20022/1066                | 03/31/76         | 0              | 6047            | 1009N                        | 00420W        | 52.2         | 96.1         | GGGG                               |                     |                      | 211                     | 53                     |
| 2434-14421        | 00000/0000                   | 2-20022/1067                | 03/31/76         | 80             | 6050            | 7204N                        | 04950W        | 22.0         | 169.2        | GGGG                               |                     |                      | 14                      | 9                      |
| 2434-14423        | 00000/0000                   | 2-20022/1068                | 03/31/76         | 30             | 6050            | 7048N                        | 05209W        | 23.1         | 166.7        | GGGG                               |                     |                      | 14                      | 10                     |
| 2434-14430        | 00000/0000                   | 2-20022/1069                | 03/31/76         | 50             | 6050            | 6931N                        | 05412W        | 24.2         | 164.4        | GGGG                               |                     |                      | 14                      | 11                     |
| 2434-14482        | 00000/0000                   | 2-20022/1032                | 03/31/76         | 90             | 6050            | 5143N                        | 06854W        | 37.3         | 144.3        | GGGG                               |                     |                      | 14                      | 24                     |
| 2434-14483        | 00000/0000                   | 2-20022/1033                | 03/31/76         | 90             | 6050            | 5018N                        | 06935W        | 38.2         | 143.0        | GGFG                               |                     |                      | 14                      | 25                     |
| 2434-14491        | 00000/0000                   | 2-20022/1034                | 03/31/76         | 100            | 6050            | 4854N                        | 07013W        | 39.1         | 141.7        | GGGG                               |                     |                      | 14                      | 26                     |
| 2434-14555        | 00000/0000                   | 2-20022/1035                | 03/31/76         | 10             | 6050            | 2603N                        | 07750W        | 50.2         | 117.1        | GGG                                | H                   |                      | 14                      | 42                     |
| 2434-14562        | 00000/0000                   | 2-20022/1036                | 03/31/76         | 20             | 6050            | 2437N                        | 07814W        | 50.6         | 115.3        | GGG                                | H                   |                      | 14                      | 43                     |
| 2434-14564        | 00000/0000                   | 2-20022/1037                | 03/31/76         | 20             | 6050            | 2310N                        | 07837W        | 51.0         | 113.4        | GGGG                               | H                   |                      | 14                      | 44                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2434-14571        | 00000/0000                   | 2-20022/1070                | 03/31/76         | 70             | 6050            | 2143N                        | 07859W        | 51.3         | 111.5        | GGGG                               |                     | H                    | 14                      | 45                     |
| 2434-16320        | 00000/0000                   | 2-20022/0934                | 03/31/76         | 0              | 6051            | 5019N                        | 09524W        | 38.3         | 143.0        | GGGG                               |                     |                      | 32                      | 25                     |
| 2434-16391        | 00000/0000                   | 2-20022/0935                | 03/31/76         | 10             | 6051            | 2602N                        | 10339W        | 50.2         | 117.0        | GGGG                               |                     |                      | 32                      | 42                     |
| 2434-16393        | 00000/0000                   | 2-20022/0936                | 03/31/76         | 10             | 6051            | 2436N                        | 10401W        | 50.7         | 115.2        | GGGG                               |                     |                      | 32                      | 43                     |
| 2434-16400        | 00000/0000                   | 2-20022/0937                | 03/31/76         | 70             | 6051            | 2310N                        | 10424W        | 51.0         | 113.4        | GG G                               |                     |                      | 32                      | 44                     |
| 2434-16402        | 00000/0000                   | 2-20022/0938                | 03/31/76         | 90             | 6051            | 2144N                        | 10446W        | 51.3         | 111.5        | GGGG                               |                     |                      | 32                      | 45                     |
| 2434-16405        | 00000/0000                   | 2-20022/0939                | 03/31/76         | 40             | 6051            | 2017N                        | 10508W        | 51.6         | 109.6        | GGGG                               |                     |                      | 32                      | 46                     |
| 2434-16411        | 00000/0000                   | 2-20022/0940                | 03/31/76         | 60             | 6051            | 1850N                        | 10530W        | 51.8         | 107.7        | GGGG                               |                     |                      | 32                      | 47                     |
| 2434-18152        | 00000/0000                   | 2-20022/1107                | 03/31/76         | 70             | 6052            | 5019N                        | 12112W        | 38.3         | 143.0        | GGGG                               |                     |                      | 50                      | 25                     |
| 2435-01182        | 00000/0000                   | 2-20022/1109                | 04/01/76         | 40             | 6056            | 1554N                        | 12440E        | 52.2         | 103.5        | GGGG                               |                     |                      | 122                     | 49                     |
| 2435-01185        | 00000/0000                   | 2-20022/1110                | 04/01/76         | 50             | 6056            | 1427N                        | 12420E        | 52.3         | 101.6        | GGGG                               |                     |                      | 122                     | 50                     |
| 2435-01191        | 00000/0000                   | 2-20022/1111                | 04/01/76         | 50             | 6056            | 1301N                        | 12359E        | 52.4         | 99.6         | GGFG                               |                     |                      | 122                     | 51                     |
| 2435-01194        | 00000/0000                   | 2-20022/1112                | 04/01/76         | 60             | 6056            | 1135N                        | 12339E        | 52.3         | 97.7         | GGGG                               |                     |                      | 122                     | 52                     |
| 2435-01200        | 00000/0000                   | 2-20022/1113                | 04/01/76         | 40             | 6056            | 1008N                        | 12318E        | 52.3         | 95.7         | GGGG                               |                     |                      | 122                     | 53                     |
| 2435-01203        | 00000/0000                   | 2-20022/1114                | 04/01/76         | 30             | 6056            | 0842N                        | 12257E        | 52.2         | 93.8         | GGGG                               |                     |                      | 122                     | 54                     |
| 2435-01205        | 00000/0000                   | 2-20022/1115                | 04/01/76         | 40             | 6056            | 0715N                        | 12237E        | 52.0         | 91.9         | GGGG                               |                     |                      | 122                     | 55                     |
| 2435-02543        | 00000/0000                   | 2-20022/1116                | 04/01/76         | 10             | 6057            | 4023N                        | 10546E        | 44.3         | 133.3        | FGGG                               |                     |                      | 140                     | 32                     |
| 2435-02550        | 00000/0000                   | 2-20022/1117                | 04/01/76         | 50             | 6057            | 3858N                        | 10517E        | 45.1         | 131.8        | FGGG                               |                     |                      | 140                     | 33                     |
| 2435-02552        | 00000/0000                   | 2-20022/1118                | 04/01/76         | 50             | 6057            | 3732N                        | 10448E        | 45.8         | 130.3        | GGGG                               |                     |                      | 140                     | 34                     |
| 2435-02555        | 00000/0000                   | 2-20022/1119                | 04/01/76         | 80             | 6057            | 3606N                        | 10420E        | 46.5         | 128.7        | GGGG                               |                     |                      | 140                     | 35                     |
| 2435-02561        | 00000/0000                   | 2-20022/1120                | 04/01/76         | 100            | 6057            | 3440N                        | 10353E        | 47.1         | 127.1        | GGGG                               |                     |                      | 140                     | 36                     |
| 2435-02564        | 00000/0000                   | 2-20022/1121                | 04/01/76         | 70             | 6057            | 3313N                        | 10327E        | 47.8         | 125.5        | GGGG                               |                     |                      | 140                     | 37                     |
| 2435-02570        | 00000/0000                   | 2-20022/1122                | 04/01/76         | 20             | 6057            | 3147N                        | 10302E        | 48.4         | 123.9        | GGGG                               |                     |                      | 140                     | 38                     |
| 2435-02573        | 00000/0000                   | 2-20022/1123                | 04/01/76         | 20             | 6057            | 3021N                        | 10237E        | 48.9         | 122.2        | GGGG                               |                     |                      | 140                     | 39                     |
| 2435-02575        | 00000/0000                   | 2-20022/1124                | 04/01/76         | 20             | 6057            | 2856N                        | 10213E        | 49.4         | 120.4        | GGGG                               |                     |                      | 140                     | 40                     |
| 2435-02582        | 00000/0000                   | 2-20022/1125                | 04/01/76         | 10             | 6057            | 2729N                        | 10149E        | 49.9         | 118.7        | GGGG                               |                     |                      | 140                     | 41                     |
| 2435-02591        | 00000/0000                   | 2-20022/1126                | 04/01/76         | 10             | 6057            | 2436N                        | 10103E        | 50.8         | 115.0        | GGGG                               |                     |                      | 140                     | 43                     |
| 2435-04354        | 00000/0000                   | 2-20022/1127                | 04/01/76         | 10             | 6058            | 4728N                        | 08238E        | 40.2         | 140.3        | GGGG                               |                     |                      | 158                     | 27                     |
| 2435-04361        | 00000/0000                   | 2-20022/1128                | 04/01/76         | 70             | 6058            | 4604N                        | 08203E        | 41.1         | 138.9        | GGGG                               |                     |                      | 158                     | 28                     |
| 2435-04363        | 00000/0000                   | 2-20022/1129                | 04/01/76         | 90             | 6058            | 4438N                        | 08129E        | 42.0         | 137.5        | GGGG                               |                     |                      | 158                     | 29                     |
| 2435-04370        | 00000/0000                   | 2-20022/1130                | 04/01/76         | 50             | 6058            | 4313N                        | 08056E        | 42.8         | 136.1        | FGGG                               |                     |                      | 158                     | 30                     |
| 2435-04372        | 00000/0000                   | 2-20022/1131                | 04/01/76         | 20             | 6058            | 4148N                        | 08025E        | 43.6         | 134.7        | GGGG                               |                     |                      | 158                     | 31                     |
| 2435-04375        | 00000/0000                   | 2-20022/1132                | 04/01/76         | 10             | 6058            | 4022N                        | 07955E        | 44.3         | 133.2        | GGGG                               |                     |                      | 158                     | 32                     |
| 2435-04384        | 00000/0000                   | 2-20022/1133                | 04/01/76         | 50             | 6058            | 3731N                        | 07857E        | 45.8         | 130.2        | FGGG                               |                     |                      | 158                     | 34                     |
| 2435-04390        | 00000/0000                   | 2-20022/1134                | 04/01/76         | 10             | 6058            | 3605N                        | 07830E        | 46.5         | 128.7        | GGGG                               |                     |                      | 158                     | 35                     |
| 2435-04393        | 00000/0000                   | 2-20022/1135                | 04/01/76         | 0              | 6058            | 3439N                        | 07803E        | 47.2         | 127.1        | GGGG                               |                     |                      | 158                     | 36                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANHSAT-2  
OBSERVATION ID LISTING  
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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RSH<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2435-04395        | 00000/0000                                     | 2-20022/1136     | 04/01/76       | 0               | 6058                               | 3313N                               | 07737E       | 47.8         | 125.5                 | GGGG                |                      | 158                     | 37                     |
| 2435-04402        | 00000/0000                                     | 2-20022/1137     | 04/01/76       | 0               | 6058                               | 3146N                               | 07712E       | 48.4         | 123.8                 | GGGG                |                      | 158                     | 38                     |
| 2435-04404        | 00000/0000                                     | 2-20022/1138     | 04/01/76       | 20              | 6058                               | 3021N                               | 07647E       | 48.9         | 122.1                 | GGGG                |                      | 158                     | 39                     |
| 2435-04411        | 00000/0000                                     | 2-20022/1139     | 04/01/76       | 20              | 6058                               | 2855N                               | 07622E       | 49.5         | 120.4                 | GGGG                |                      | 158                     | 40                     |
| 2435-04413        | 00000/0000                                     | 2-20022/1140     | 04/01/76       | 20              | 6058                               | 2728N                               | 07558E       | 49.9         | 118.6                 | GGGG                |                      | 158                     | 41                     |
| 2435-04420        | 00000/0000                                     | 2-20022/1141     | 04/01/76       | 10              | 6058                               | 2601N                               | 07535E       | 50.4         | 116.8                 | GGGG                |                      | 158                     | 42                     |
| 2435-04422        | 00000/0000                                     | 2-20022/1142     | 04/01/76       | 10              | 6058                               | 2435N                               | 07512E       | 50.8         | 115.0                 | GGGG                |                      | 158                     | 43                     |
| 2435-04425        | 00000/0000                                     | 2-20022/1143     | 04/01/76       | 10              | 6058                               | 2309N                               | 07449E       | 51.1         | 113.1                 | GGGG                |                      | 158                     | 44                     |
| 2435-04431        | 00000/0000                                     | 2-20022/1144     | 04/01/76       | 0               | 6058                               | 2142N                               | 07427E       | 51.5         | 111.3                 | FFFF                |                      | 158                     | 45                     |
| 2435-07592        | 00000/0000                                     | 2-20022/1716     | 04/01/76       | 20              | 6060                               | 5718N                               | 03602E       | 39.8         | 149.6                 | GGGG                |                      | 194                     | 20                     |
| 2435-07594        | 00000/0000                                     | 2-20022/1717     | 04/01/76       | 70              | 6060                               | 5555N                               | 03511E       | 34.7         | 148.3                 | GGGG                |                      | 194                     | 21                     |
| 2435-08001        | 00000/0000                                     | 2-20022/1718     | 04/01/76       | 50              | 6060                               | 5431N                               | 03423E       | 35.7         | 146.9                 | GGGG                |                      | 194                     | 22                     |
| 2435-08003        | 00000/0000                                     | 2-20022/1719     | 04/01/76       | 40              | 6060                               | 5307N                               | 03338E       | 36.7         | 145.6                 | GGGG                |                      | 194                     | 23                     |
| 2435-08010        | 00000/0000                                     | 2-20022/1720     | 04/01/76       | 40              | 6060                               | 5143N                               | 03255E       | 37.6         | 144.3                 | GGGG                |                      | 194                     | 24                     |
| 2435-08012        | 00000/0000                                     | 2-20022/1721     | 04/01/76       | 20              | 6060                               | 5018N                               | 03215E       | 38.5         | 142.9                 | GGGG                |                      | 194                     | 25                     |
| 2435-08015        | 00000/0000                                     | 2-20022/1722     | 04/01/76       | 20              | 6060                               | 4853N                               | 03136E       | 39.4         | 141.6                 | GGGG                |                      | 194                     | 26                     |
| 2435-09401        | 00000/0000                                     | 2-20022/1723     | 04/01/76       | 70              | 6061                               | 6531N                               | 01655E       | 27.7         | 158.6                 | GGGG                |                      | 212                     | 14                     |
| 2435-09553        | 00000/0000                                     | 2-20022/1724     | 04/01/76       | 0               | 6061                               | 1302N                               | 00505W       | 52.4         | 99.5                  | GGGG                |                      | 212                     | 51                     |
| 2435-09560        | 00000/0000                                     | 2-20022/1725     | 04/01/76       | 0               | 6061                               | 1136N                               | 00525W       | 52.4         | 97.5                  | GGFG                |                      | 212                     | 52                     |
| 2435-09562        | 00000/0000                                     | 2-20022/1726     | 04/01/76       | 0               | 6061                               | 1009N                               | 00546W       | 52.3         | 95.6                  | GGGG                |                      | 212                     | 53                     |
| 2435-14543        | 00000/0000                                     | 2-20022/1038     | 04/01/76       | 100             | 6064                               | 5015N                               | 07104W       | 38.6         | 142.9                 | GGGG                |                      | 15                      | 25                     |
| 2435-14545        | 00000/0000                                     | 2-20022/1039     | 04/01/76       | 100             | 6064                               | 4850N                               | 07142W       | 39.5         | 141.5                 | GGGG                |                      | 15                      | 26                     |
| 2435-15022        | 00000/0000                                     | 2-20022/1040     | 04/01/76       | 10              | 6064                               | 2308N                               | 08002W       | 51.3         | 112.9                 | GGGG                | H                    | 15                      | 44                     |
| 2435-15025        | 00000/0000                                     | 2-20022/1041     | 04/01/76       | 10              | 6064                               | 2142N                               | 08025W       | 51.6         | 111.0                 | GGGG                | H                    | 15                      | 45                     |
| 2435-16372        | 00000/0000                                     | 2-20022/1299     | 04/01/76       | 10              | 6065                               | 5140N                               | 09411W       | 37.8         | 144.2                 | GG                  |                      | 33                      | 24                     |
| 2435-16374        | 00000/0000                                     | 2-20022/1300     | 04/01/76       | 0               | 6065                               | 5016N                               | 09651W       | 38.7         | 142.9                 | GGGG                |                      | 33                      | 25                     |
| 2435-16445        | 00000/0000                                     | 2-20022/1301     | 04/01/76       | 30              | 6065                               | 2601N                               | 10506W       | 50.5         | 116.6                 | GGGG                |                      | 33                      | 42                     |
| 2435-16451        | 00000/0000                                     | 2-20022/1302     | 04/01/76       | 30              | 6065                               | 2435N                               | 10529W       | 50.9         | 114.7                 | GGGG                |                      | 33                      | 43                     |
| 2435-16454        | 00000/0000                                     | 2-20022/1303     | 04/01/76       | 20              | 6065                               | 2308N                               | 10552W       | 51.3         | 112.9                 | GGGG                |                      | 33                      | 44                     |
| 2435-16460        | 00000/0000                                     | 2-20022/1304     | 04/01/76       | 20              | 6065                               | 2141N                               | 10614W       | 51.6         | 111.0                 | FGGG                |                      | 33                      | 45                     |
| 2435-16463        | 00000/0000                                     | 2-20022/1305     | 04/01/76       | 20              | 6065                               | 2014N                               | 10635W       | 51.9         | 109.0                 | GGGG                |                      | 33                      | 46                     |
| 2435-18210        | 00000/0000                                     | 2-20022/1289     | 04/01/76       | 0               | 6066                               | 5020N                               | 12237W       | 38.7         | 142.9                 | GGGG                |                      | 51                      | 25                     |
| 2435-21403        | 00000/0000                                     | 2-20022/1108     | 04/01/76       | 0               | 6068                               | 7318N                               | 15154W       | 21.4         | 172.1                 | GGGG                |                      | 87                      | 8                      |
| 2436-01240        | 00000/0000                                     | 2-20022/1273     | 04/02/76       | 20              | 6070                               | 1556N                               | 12316E       | 52.4         | 103.0                 | GGGG                |                      | 123                     | 49                     |
| 2436-01243        | 00000/0000                                     | 2-20022/1274     | 04/02/76       | 40              | 6070                               | 1429N                               | 12255E       | 52.5         | 101.0                 | GGGG                |                      | 123                     | 50                     |
| 2436-01245        | 00000/0000                                     | 2-20022/1275     | 04/02/76       | 30              | 6070                               | 1303N                               | 12235E       | 52.5         | 99.1                  | GGGG                |                      | 123                     | 51                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK; NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA | MSS<br>MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|--------------------|-----------------------------|-------------------------|------------------------|
| 2436-01252        | 30000/0000 2-20022/1276                        | 04/02/76         | 40          | 6070                   | 1137N                              | 12714E                              | 52.5         | 97.1         |                   |                    |                             |                         |                        |
| 2436-01254        | 30000/0000 2-20022/1277                        | 04/02/76         | 10          | 6070                   | 1010N                              | 12153E                              | 52.4         | 95.2         | GGGG              |                    |                             | 123                     | 52                     |
| 2436-01261        | 30000/0000 2-20022/1278                        | 04/02/76         | 20          | 6070                   | 0842N                              | 12132E                              | 52.3         | 93.2         | GGGG              |                    |                             | 123                     | 53                     |
| 2436-03010        | 30000/0000 2-20022/1279                        | 04/02/76         | 10          | 6071                   | 3729N                              | 10320E                              | 46.1         | 130.0        | GGGG              |                    |                             | 123                     | 54                     |
| 2436-03013        | 30000/0000 2-20022/1280                        | 04/02/76         | 10          | 6071                   | 3623N                              | 10253E                              | 46.8         | 128.4        | GGGG              |                    |                             | 141                     | 34                     |
| 2436-03015        | 30000/0000 2-20022/1281                        | 04/02/76         | 10          | 6071                   | 3437N                              | 10226E                              | 47.5         | 126.8        | GGGG              |                    |                             | 141                     | 35                     |
| 2436-03022        | 30000/0000 2-20022/1282                        | 04/02/76         | 10          | 6071                   | 3311N                              | 10200E                              | 48.1         | 125.1        | GGGG              |                    |                             | 141                     | 36                     |
| 2436-03024        | 30000/0000 2-20022/1283                        | 04/02/76         | 80          | 6071                   | 3145N                              | 10135E                              | 48.7         | 123.5        | GGGG              |                    |                             | 141                     | 37                     |
| 2436-03040        | 30000/0000 2-20022/1284                        | 04/02/76         | 50          | 6071                   | 2727N                              | 10021E                              | 50.2         | 118.2        | GGGG              |                    |                             | 141                     | 38                     |
| 2436-03042        | 30000/0000 2-20022/1285                        | 04/02/76         | 30          | 6071                   | 2600N                              | 09958E                              | 50.7         | 116.4        | GGGG              |                    |                             | 141                     | 41                     |
| 2436-03045        | 30000/0000 2-20022/1286                        | 04/02/76         | 30          | 6071                   | 2433N                              | 09935E                              | 51.1         | 114.5        | GGGG              |                    |                             | 141                     | 42                     |
| 2436-03051        | 30000/0000 2-20022/1287                        | 04/02/76         | 10          | 6071                   | 2307N                              | 09912E                              | 51.4         | 112.7        | GGGG              |                    |                             | 141                     | 43                     |
| 2436-03104        | 30000/0000 2-20022/1288                        | 04/02/76         | 50          | 6071                   | 0421N                              | 09442E                              | 51.6         | 87.5         | GGGG              |                    |                             | 141                     | 44                     |
| 2436-04422        | 30000/0000 2-20022/1091                        | 04/02/76         | 10          | 6072                   | 4436N                              | 08002E                              | 42.3         | 137.3        | GGGG              |                    |                             | 159                     | 57                     |
| 2436-04424        | 30000/0000 2-20022/1092                        | 04/02/76         | 0           | 6072                   | 4311N                              | 07930E                              | 43.2         | 135.9        | GGGG              |                    |                             | 159                     | 29                     |
| 2436-04431        | 30000/0000 2-20022/1093                        | 04/02/76         | 0           | 6072                   | 4146N                              | 07859E                              | 44.0         | 134.5        | GGGG              |                    |                             | 159                     | 30                     |
| 2436-04433        | 30000/0000 2-20022/1094                        | 04/02/76         | 0           | 6072                   | 4020N                              | 07829E                              | 44.7         | 133.0        | GGGG              |                    |                             | 159                     | 31                     |
| 2436-04440        | 30000/0000 2-20022/1095                        | 04/02/76         | 0           | 6072                   | 3854N                              | 07800E                              | 45.5         | 131.5        | GGGG              |                    |                             | 159                     | 32                     |
| 2436-04442        | 30000/0000 2-20022/1096                        | 04/02/76         | 40          | 6072                   | 3728N                              | 07732E                              | 46.2         | 129.9        | GGGG              |                    |                             | 159                     | 33                     |
| 2436-04445        | 30000/0000 2-20022/1097                        | 04/02/76         | 10          | 6072                   | 3623N                              | 07704E                              | 46.9         | 128.4        | GGGG              |                    |                             | 159                     | 34                     |
| 2436-04451        | 30000/0000 2-20022/1098                        | 04/02/76         | 10          | 6072                   | 3437N                              | 07637E                              | 47.5         | 126.8        | GGGG              |                    |                             | 159                     | 35                     |
| 2436-04454        | 30000/0000 2-20022/1099                        | 04/02/76         | 10          | 6072                   | 3311N                              | 07611E                              | 48.1         | 125.1        | GGGG              |                    |                             | 159                     | 36                     |
| 2436-04460        | 30000/0000 2-20022/1100                        | 04/02/76         | 10          | 6072                   | 3145N                              | 07545E                              | 48.7         | 123.4        | GGGG              |                    |                             | 159                     | 37                     |
| 2436-04463        | 30000/0000 2-20022/1101                        | 04/02/76         | 10          | 6072                   | 3018N                              | 07520E                              | 49.3         | 121.7        | GGGG              |                    |                             | 159                     | 38                     |
| 2436-04465        | 30000/0000 2-20022/1102                        | 04/02/76         | 10          | 6072                   | 2852N                              | 07456E                              | 49.8         | 120.0        | GGGG              |                    |                             | 159                     | 39                     |
| 2436-04472        | 30000/0000 2-20022/1103                        | 04/02/76         | 10          | 6072                   | 2726N                              | 07433E                              | 50.2         | 118.2        | GGGG              |                    |                             | 159                     | 40                     |
| 2436-04474        | 30000/0000 2-20022/1104                        | 04/02/76         | 10          | 6072                   | 2600N                              | 07410E                              | 50.7         | 116.4        | GGGG              |                    |                             | 159                     | 41                     |
| 2436-04481        | 30000/0000 2-20022/1105                        | 04/02/76         | 10          | 6072                   | 2434N                              | 07347E                              | 51.1         | 114.5        | GGGG              |                    |                             | 159                     | 42                     |
| 2436-04483        | 30000/0000 2-20022/1106                        | 04/02/76         | 10          | 6072                   | 2307N                              | 07324E                              | 51.4         | 112.6        | GGGG              |                    |                             | 159                     | 43                     |
| 2436-06212        | 30000/0000 2-20022/1346                        | 04/02/76         | 20          | 6073                   | 5842N                              | 06118E                              | 33.1         | 151.0        | GGGG              |                    |                             | 177                     | 44                     |
| 2436-06215        | 30000/0000 2-20022/1347                        | 04/02/76         | 10          | 6073                   | 5719N                              | 06024E                              | 34.1         | 149.6        | GGGG              |                    |                             | 177                     | 19                     |
| 2436-06221        | 30000/0000 2-20022/1145                        | 04/02/76         | 20          | 6073                   | 5556N                              | 05933E                              | 35.1         | 148.2        | GGGG              |                    |                             | 177                     | 20                     |
| 2436-06224        | 30000/0000 2-20022/1146                        | 04/02/76         | 20          | 6073                   | 5432N                              | 05845E                              | 36.1         | 146.9        | GGGG              |                    |                             | 177                     | 21                     |
| 2436-06230        | 30000/0000 2-20022/1147                        | 04/02/76         | 30          | 6073                   | 5308N                              | 05801E                              | 37.0         | 145.5        | GGGG              |                    |                             | 177                     | 22                     |
| 2436-06233        | 30000/0000 2-20022/1148                        | 04/02/76         | 30          | 6073                   | 5144N                              | 05719E                              | 37.9         | 144.2        | GGGG              |                    |                             | 177                     | 23                     |
| 2436-06235        | 30000/0000 2-20022/1149                        | 04/02/76         | 90          | 6073                   | 5020N                              | 05638E                              | 38.9         | 142.8        | GGGG              |                    |                             | 177                     | 24                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM ROLL NO. / POSITION IN ROLL | DATE ACQUIRED | CLDUD COVER | ORBIT NUMBER | PRINC. PAL LAT | PRINT OF IMAGE LANG | SUN FLEV. | SUN AZIM. | IMAGE QUAL | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME ROW NUMBER |
|----------------|---------------------------------------|---------------|-------------|--------------|----------------|---------------------|-----------|-----------|------------|---------------|----------------|-------------------|------------------|
| 2436-08041     | 00000/0000                            | 2-20022/1150  | 04/02/76    | 80           | 6074           | 6005N               | 03631E    | 32.1      | 152.4      | GGGG          |                | 195               | 18               |
| 2436-08044     | 00000/0000                            | 2-20022/1151  | 04/02/76    | 80           | 6074           | 5843N               | 03533E    | 33.2      | 151.0      | GGGG          |                | 195               | 19               |
| 2436-08050     | 00000/0000                            | 2-20022/1152  | 04/02/76    | 70           | 6074           | 5720N               | 03438E    | 34.1      | 149.6      | GGGG          |                | 195               | 20               |
| 2436-08053     | 00000/0000                            | 2-20022/1153  | 04/02/76    | 10           | 6074           | 5556N               | 03347E    | 35.1      | 148.2      | GGGG          |                | 195               | 21               |
| 2436-08055     | 00000/0000                            | 2-20022/1154  | 04/02/76    | 10           | 6074           | 5493N               | 03259E    | 36.1      | 146.9      | GGGG          |                | 195               | 22               |
| 2436-08062     | 00000/0000                            | 2-20022/1163  | 04/02/76    | 0            | 6074           | 5309N               | 03213E    | 37.0      | 145.5      | GGGG          |                | 195               | 23               |
| 2436-08064     | 00000/0000                            | 2-20022/1164  | 04/02/76    | 0            | 6074           | 5144N               | 03130E    | 38.0      | 144.2      | GGGG          |                | 195               | 24               |
| 2436-08071     | 00000/0000                            | 2-20022/1165  | 04/02/76    | 10           | 6074           | 5020N               | 03050E    | 38.9      | 142.8      | GGGG          |                | 195               | 25               |
| 2436-08073     | 00000/0000                            | 2-20022/1166  | 04/02/76    | 10           | 6074           | 4855N               | 03012E    | 39.8      | 141.5      | GGGG          |                | 195               | 26               |
| 2436-08080     | 00000/0000                            | 2-20022/1167  | 04/02/76    | 0            | 6074           | 4709N               | 02935E    | 40.7      | 140.1      | GGGG          |                | 195               | 27               |
| 2436-08082     | 00000/0000                            | 2-20022/1168  | 04/02/76    | 10           | 6074           | 4604N               | 02900E    | 41.6      | 138.7      | GGGG          |                | 195               | 28               |
| 2436-08085     | 00000/0000                            | 2-20022/1169  | 04/02/76    | 10           | 6074           | 4439N               | 02826E    | 42.4      | 137.3      | GGGG          |                | 195               | 29               |
| 2436-08091     | 00000/0000                            | 2-20022/1170  | 04/02/76    | 0            | 6074           | 4313N               | 02754E    | 43.2      | 135.9      | GGGG          |                | 195               | 30               |
| 2436-08452     | 00000/0000                            | 2-20022/1171  | 04/02/76    | 50           | 6075           | 6653N               | 01657E    | 27.0      | 160.5      | GGGG          |                | 213               | 13               |
| 2436-09455     | 00000/0000                            | 2-20022/1172  | 04/02/76    | 40           | 6075           | 6523N               | 01527E    | 28.1      | 158.7      | GGGG          |                | 213               | 14               |
| 2436-13431     | 00000/0000                            | 2-20022/1173  | 04/02/76    | 20           | 6077           | 4016S               | 07146W    | 27.5      | 55.0       | GGGG          |                | 249               | 88               |
| 2436-13433     | 00000/0000                            | 2-20022/1174  | 04/02/76    | 10           | 6077           | 4141S               | 07216W    | 26.5      | 54.8       | GGGG          |                | 249               | 89               |
| 2436-14595     | 00000/0000                            | 2-20022/0774  | 04/02/76    | 100          | 6078           | 5141N               | 07148W    | 38.1      | 144.1      | GGGG          |                | 16                | 24               |
| 2436-15001     | 00000/0000                            | 2-20022/0775  | 04/02/76    | 20           | 6078           | 5017N               | 07228W    | 39.0      | 142.8      | GGGG          |                | 16                | 25               |
| 2436-15004     | 00000/0000                            | 2-20022/0776  | 04/02/76    | 100          | 6078           | 4852N               | 07306W    | 39.9      | 141.4      | GGGG          |                | 16                | 26               |
| 2436-15081     | 00000/0000                            | 2-20022/1175  | 04/02/76    | 70           | 6078           | 2349N               | 08130W    | 51.5      | 112.4      | GGGG          |                | 16                | 27               |
| 2436-16433     | 00000/0000                            | 2-20022/1183  | 04/02/76    | 20           | 6079           | 5017N               | 09817W    | 39.0      | 142.8      | GGGF          |                | 34                | 25               |
| 2436-18264     | 00000/0000                            | 2-20022/1290  | 04/02/76    | 10           | 6080           | 4478N               | 12405W    | 39.1      | 142.7      | GGGG          |                | 52                | 25               |
| 2436-18282     | 00000/0000                            | 2-20022/1291  | 04/02/76    | 10           | 6080           | 4478N               | 12629W    | 42.6      | 137.2      | GGGG          |                | 52                | 29               |
| 2436-23340     | 00000/0000                            | 2-20022/1176  | 04/02/76    | 20           | 6083           | 5843N               | 16311E    | 33.4      | 150.9      | GGGG          |                | 106               | 19               |
| 2436-23342     | 00000/0000                            | 2-20022/1177  | 04/02/76    | 30           | 6083           | 5720N               | 16217E    | 34.4      | 149.5      | GGGG          |                | 106               | 20               |
| 2436-23345     | 00000/0000                            | 2-20022/1178  | 04/02/76    | 10           | 6083           | 5556N               | 16126E    | 35.4      | 148.2      | GGGG          |                | 106               | 21               |
| 2437-01201     | 00000/0000                            | 2-20022/1179  | 04/03/76    | 0            | 6084           | 4854N               | 13202E    | 40.1      | 141.4      | GGGG          |                | 124               | 26               |
| 2437-01204     | 00000/0000                            | 2-20022/1180  | 04/03/76    | 10           | 6084           | 4728N               | 13125E    | 41.0      | 140.0      | GGGG          |                | 124               | 27               |
| 2437-01210     | 00000/0000                            | 2-20022/1181  | 04/03/76    | 20           | 6084           | 4603N               | 13049E    | 41.8      | 138.6      | GGGG          |                | 124               | 28               |
| 2437-01213     | 00000/0000                            | 2-20022/1182  | 04/03/76    | 30           | 6084           | 4438N               | 13016E    | 42.6      | 137.2      | GGGG          |                | 124               | 29               |
| 2437-01215     | 00000/0000                            | 2-20022/1184  | 04/03/76    | 30           | 6084           | 4313N               | 12943E    | 43.5      | 135.8      | G G           |                | 124               | 30               |
| 2437-01222     | 00000/0000                            | 2-20022/1185  | 04/03/76    | 20           | 6084           | 4148N               | 12912E    | 44.2      | 134.3      | GGFG          |                | 124               | 31               |
| 2437-01295     | 00000/0000                            | 2-20022/1186  | 04/03/76    | 10           | 6084           | 1557N               | 12149E    | 52.6      | 102.5      | GGGG          |                | 124               | 49               |
| 2437-01304     | 00000/0000                            | 2-20022/1187  | 04/03/76    | 10           | 6084           | 1303N               | 12107E    | 52.7      | 98.5       | GGGG          |                | 124               | 51               |
| 2437-01310     | 00000/0000                            | 2-20022/1188  | 04/03/76    | 10           | 6084           | 1136N               | 12047E    | 52.6      | 96.5       | GGGG          |                | 124               | 52               |

KEYS: CLDUD COVER % ..... 0 TO 100 = % CLDUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAIL; ABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. AZIM. | SUN<br>ELEV. AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------------|--------------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2437-01315        | 00000/0000                   | 2-20022/1189                | 04/03/76         | 20             | 6084            | 0844N 12007E                            | 52.4 90.6          | 90.6               | GGGG                               |                     |                      | 124                     | 54                     |
| 2437-01322        | 00000/0000                   | 2-20022/1190                | 04/03/76         | 20             | 6084            | 0717N 11946E                            | 52.2 90.7          | 90.7               | GGGG                               |                     |                      | 124                     | 55                     |
| 2437-03062        | 00000/0000                   | 2-20022/1191                | 04/03/76         | 10             | 6085            | 3856N 10224E                            | 45.8 131.3         | 131.3              | GGGG                               |                     |                      | 142                     | 33                     |
| 2437-03065        | 00000/0000                   | 2-20022/1192                | 04/03/76         | 20             | 6085            | 3730N 10156E                            | 46.5 129.7         | 129.7              | GGGG                               |                     |                      | 142                     | 34                     |
| 2437-03071        | 00000/0000                   | 2-20022/1193                | 04/03/76         | 30             | 6085            | 3644N 10128E                            | 47.2 128.1         | 128.1              | GGGG                               |                     |                      | 142                     | 35                     |
| 2437-03074        | 00000/0000                   | 2-20022/1194                | 04/03/76         | 70             | 6085            | 3439N 10102E                            | 47.8 126.5         | 126.5              | GGGG                               |                     |                      | 142                     | 36                     |
| 2437-03080        | 00000/0000                   | 2-20022/1195                | 04/03/76         | 90             | 6085            | 3313N 10036E                            | 48.4 124.8         | 124.8              | GGGG                               |                     |                      | 142                     | 37                     |
| 2437-03103        | 00000/0000                   | 2-20022/1196                | 04/03/76         | 10             | 6085            | 2435N 09811E                            | 51.3 114.1         | 114.1              | GGGG                               |                     |                      | 142                     | 43                     |
| 2437-03144        | 00000/0000                   | 2-20022/1197                | 04/03/76         | 10             | 6085            | 1009N 09438E                            | 52.6 94.5          | 94.5               | GGGG                               |                     |                      | 142                     | 53                     |
| 2437-03151        | 00000/0000                   | 2-20022/1198                | 04/03/76         | 10             | 6085            | 0842N 09418E                            | 52.4 92.6          | 92.6               | GGGG                               |                     |                      | 142                     | 54                     |
| 2437-03153        | 00000/0000                   | 2-20022/1199                | 04/03/76         | 10             | 6085            | 0716N 09357E                            | 52.2 90.7          | 90.7               | GGGG                               |                     |                      | 142                     | 55                     |
| 2437-03160        | 00000/0000                   | 2-20022/1200                | 04/03/76         | 10             | 6085            | 0549N 09337E                            | 52.0 88.8          | 88.8               | GGG                                |                     |                      | 142                     | 56                     |
| 2437-03162        | 00000/0000                   | 2-20022/1201                | 04/03/76         | 40             | 6085            | 0422N 09317E                            | 51.7 86.9          | 86.9               | FGG                                |                     |                      | 142                     | 57                     |
| 2437-04480        | 00000/0000                   | 2-20022/1155                | 04/03/76         | 10             | 6086            | 4437N 07837E                            | 42.7 137.2         | 137.2              | GGGG                               |                     |                      | 160                     | 29                     |
| 2437-04482        | 00000/0000                   | 2-20022/1202                | 04/03/76         | 10             | 6086            | 4312N 07805E                            | 43.5 135.7         | 135.7              | GGGG                               |                     |                      | 160                     | 30                     |
| 2437-04485        | 00000/0000                   | 2-20022/1203                | 04/03/76         | 20             | 6086            | 4147N 07734E                            | 44.3 134.3         | 134.3              | GGGG                               |                     |                      | 160                     | 31                     |
| 2437-04491        | 00000/0000                   | 2-20022/1204                | 04/03/76         | 50             | 6086            | 4021N 07703E                            | 45.1 132.8         | 132.8              | GGGG                               |                     |                      | 160                     | 32                     |
| 2437-04494        | 00000/0000                   | 2-20022/1205                | 04/03/76         | 30             | 6086            | 3855N 07633E                            | 45.8 131.2         | 131.2              | GGGG                               |                     |                      | 160                     | 33                     |
| 2437-04500        | 00000/0000                   | 2-20022/1206                | 04/03/76         | 10             | 6086            | 3730N 07605E                            | 46.5 129.7         | 129.7              | GGGG                               |                     |                      | 160                     | 34                     |
| 2437-04503        | 00000/0000                   | 2-20022/1207                | 04/03/76         | 0              | 6086            | 3603N 07537E                            | 47.2 128.1         | 128.1              | GGGG                               |                     |                      | 160                     | 35                     |
| 2437-04505        | 00000/0000                   | 2-20022/1208                | 04/03/76         | 0              | 6086            | 3437N 07511E                            | 47.8 126.5         | 126.5              | GGGG                               |                     |                      | 160                     | 36                     |
| 2437-04512        | 00000/0000                   | 2-20022/1209                | 04/03/76         | 0              | 6086            | 3312N 07444E                            | 48.5 124.8         | 124.8              | GGGG                               |                     |                      | 160                     | 37                     |
| 2437-04514        | 00000/0000                   | 2-20022/1210                | 04/03/76         | 0              | 6086            | 3146N 07419E                            | 49.0 123.1         | 123.1              | GGGG                               |                     |                      | 160                     | 38                     |
| 2437-04521        | 00000/0000                   | 2-20022/1211                | 04/03/76         | 0              | 6086            | 3019N 07355E                            | 49.6 121.4         | 121.4              | GGGG                               |                     |                      | 160                     | 39                     |
| 2437-04523        | 00000/0000                   | 2-20022/1212                | 04/03/76         | 0              | 6086            | 2853N 07331E                            | 50.1 119.6         | 119.6              | GGGG                               |                     |                      | 160                     | 40                     |
| 2437-04530        | 00000/0000                   | 2-20022/1213                | 04/03/76         | 10             | 6086            | 2727N 07307E                            | 50.5 117.8         | 117.8              | GGGG                               |                     |                      | 160                     | 41                     |
| 2437-04532        | 00000/0000                   | 2-20022/1214                | 04/03/76         | 10             | 6086            | 2601N 07244E                            | 51.0 115.9         | 115.9              | GGGG                               |                     |                      | 160                     | 42                     |
| 2437-04535        | 00000/0000                   | 2-20022/1215                | 04/03/76         | 10             | 6086            | 2435N 07221E                            | 51.3 114.1         | 114.1              | GGGG                               |                     |                      | 160                     | 43                     |
| 2437-06325        | 00000/0000                   | 2-20022/1216                | 04/03/76         | 10             | 6087            | 3855N 05046E                            | 45.8 131.2         | 131.2              | GGGG                               |                     |                      | 178                     | 33                     |
| 2437-06332        | 00000/0000                   | 2-20022/1217                | 04/03/76         | 40             | 6087            | 3729N 05017E                            | 46.5 129.7         | 129.7              | GGGG                               |                     |                      | 178                     | 34                     |
| 2437-08102        | 00000/0000                   | 2-20022/1156                | 04/03/76         | 100            | 6088            | 5844N 03405E                            | 33.5 151.0         | 151.0              | GFGG                               |                     |                      | 196                     | 19                     |
| 2437-08120        | 00000/0000                   | 2-20022/1157                | 04/03/76         | 0              | 6088            | 5308N 03047E                            | 37.4 145.4         | 145.4              | GGGG                               |                     |                      | 196                     | 23                     |
| 2437-08134        | 00000/0000                   | 2-20022/1158                | 04/03/76         | 0              | 6088            | 4730N 02808E                            | 41.0 140.0         | 140.0              | GGGG                               |                     |                      | 196                     | 27                     |
| 2437-08140        | 00000/0000                   | 2-20022/1159                | 04/03/76         | 0              | 6088            | 4605N 02733E                            | 41.9 138.6         | 138.6              | GGGG                               |                     |                      | 196                     | 28                     |
| 2437-08143        | 00000/0000                   | 2-20022/1160                | 04/03/76         | 0              | 6088            | 4440N 02659E                            | 42.7 137.2         | 137.2              | GGGG                               |                     |                      | 196                     | 29                     |
| 2437-08145        | 00000/0000                   | 2-20022/1161                | 04/03/76         | 0              | 6088            | 4314N 02627E                            | 43.5 135.7         | 135.7              | GGGG                               |                     |                      | 196                     | 30                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANOSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM RELI NR./<br>POSITION IN RELI<br>REV | MSS          | DATE<br>ACQUIRED | CLOUD COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|----------------|------------------------------------------------|--------------|------------------|-------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2437-09510     | 00000/0000                                     | 2-20022/1162 | 04/03/76         | 10          | 6089                   | 6654N                              | 01534E                              | 27.4         | 160.5        |                       |                     |                      |                         |                        |
| 2437-09513     | 00000/0000                                     | 2-20022/1218 | 04/03/76         | 30          | 6089                   | 6534N                              | 01404E                              | 28.4         | 158.7        | GGGF                  |                     |                      | 214                     | 13                     |
| 2437-10045     | 00000/0000                                     | 2-20022/1219 | 04/03/76         | 100         | 6089                   | 2018N                              | 00610W                              | 52.3         | 108.2        | FGGG                  |                     |                      | 214                     | 14                     |
| 2437-10051     | 00000/0000                                     | 2-20022/1220 | 04/03/76         | 100         | 6089                   | 1852N                              | 00632W                              | 52.5         | 106.3        | GGGG                  |                     |                      | 214                     | 46                     |
| 2437-14582     | 00000/0000                                     | 2-20022/1221 | 04/03/76         | 100         | 6092                   | 7430N                              | 04819W                              | 21.0         | 175.4        | GGGG                  |                     |                      | 214                     | 47                     |
| 2437-14585     | 00000/0000                                     | 2-20022/1222 | 04/03/76         | 90          | 6092                   | 7318N                              | 05122W                              | 22.1         | 172.2        | GGGG                  |                     |                      | 17                      | 7                      |
| 2437-15050     | 00000/0000                                     | 2-20022/1254 | 04/03/76         | 100         | 6092                   | 5377N                              | 07228W                              | 37.5         | 145.4        | GGGG                  |                     |                      | 17                      | 8                      |
| 2437-15055     | 00000/0000                                     | 2-20022/1255 | 04/03/76         | 90          | 6092                   | 5018N                              | 07352W                              | 39.4         | 142.7        | GGGG                  |                     |                      | 17                      | 23                     |
| 2437-15062     | 00000/0000                                     | 2-20022/1256 | 04/03/76         | 90          | 6092                   | 4833N                              | 07430W                              | 40.3         | 141.3        | GGGG                  |                     |                      | 17                      | 25                     |
| 2437-15162     | 00000/0000                                     | 2-20022/1223 | 04/03/76         | 60          | 6092                   | 1429N                              | 08502W                              | 52.8         | 100.2        | GGGG                  |                     |                      | 17                      | 26                     |
| 2437-15164     | 00000/0000                                     | 2-20022/1224 | 04/03/76         | 90          | 6092                   | 1363N                              | 08523W                              | 52.8         | 98.2         | GGGG                  |                     |                      | 17                      | 50                     |
| 2437-16391     | 00000/0000                                     | 2-20022/1225 | 04/03/76         | 100         | 6093                   | 8014N                              | 04234W                              | 14.3         | 207.6        | GGGG                  |                     |                      | 17                      | 51                     |
| 2437-16491     | 00000/0000                                     | 2-20022/1292 | 04/03/76         | 90          | 6093                   | 5018N                              | 03942W                              | 39.4         | 142.7        | GGGG                  |                     |                      | 34                      | 1                      |
| 2437-18322     | 00000/0000                                     | 2-20022/1306 | 04/03/76         | 90          | 6094                   | 5018N                              | 12631W                              | 39.4         | 142.6        | GGGG                  |                     |                      | 35                      | 25                     |
| 2437-18331     | 00000/0000                                     | 2-20022/1307 | 04/03/76         | 90          | 6094                   | 4799N                              | 12646W                              | 41.2         | 139.9        | GGGG                  |                     |                      | 53                      | 25                     |
| 2438-01280     | 00000/0000                                     | 2-20022/1226 | 04/04/76         | 10          | 6098                   | 4149N                              | 12747E                              | 44.6         | 134.1        | GGGG                  |                     |                      | 53                      | 27                     |
| 2438-01353     | 00000/0000                                     | 2-20022/1227 | 04/04/76         | 10          | 6098                   | 5557N                              | 12024E                              | 52.8         | 101.9        | GGGG                  |                     |                      | 125                     | 31                     |
| 2438-01355     | 00000/0000                                     | 2-20022/1228 | 04/04/76         | 10          | 6098                   | 5430N                              | 12003E                              | 52.9         | 99.9         | GGGG                  |                     |                      | 125                     | 49                     |
| 2438-01362     | 00000/0000                                     | 2-20022/1229 | 04/04/76         | 10          | 6098                   | 1373N                              | 11942E                              | 52.9         | 97.9         | GGGG                  |                     |                      | 125                     | 50                     |
| 2438-03120     | 00000/0000                                     | 2-20022/1230 | 04/04/76         | 10          | 6099                   | 3856N                              | 10057E                              | 46.1         | 131.0        | GGGG                  |                     |                      | 143                     | 33                     |
| 2438-03123     | 00000/0000                                     | 2-20022/1231 | 04/04/76         | 90          | 6099                   | 3731N                              | 10028E                              | 46.8         | 129.5        | GGGG                  |                     |                      | 143                     | 34                     |
| 2438-03125     | 00000/0000                                     | 2-20022/1232 | 04/04/76         | 90          | 6099                   | 3605N                              | 10021E                              | 47.5         | 127.9        | GGGG                  |                     |                      | 143                     | 35                     |
| 2438-03132     | 00000/0000                                     | 2-20022/1233 | 04/04/76         | 60          | 6099                   | 1438N                              | 09935E                              | 48.1         | 126.2        | GGGG                  |                     |                      | 143                     | 36                     |
| 2438-04493     | 00000/0000                                     | 2-20022/1234 | 04/04/76         | 90          | 6100                   | 5843N                              | 08417E                              | 33.9         | 150.9        | GGGG                  |                     |                      | 161                     | 19                     |
| 2438-04495     | 00000/0000                                     | 2-20022/1235 | 04/04/76         | 90          | 6100                   | 5720N                              | 08322E                              | 34.9         | 149.5        | GGGG                  |                     |                      | 161                     | 20                     |
| 2438-04502     | 00000/0000                                     | 2-20022/1236 | 04/04/76         | 90          | 6100                   | 5556N                              | 08231E                              | 35.9         | 148.1        | GGGG                  |                     |                      | 161                     | 21                     |
| 2438-04504     | 00000/0000                                     | 2-20022/1237 | 04/04/76         | 10          | 6100                   | 5432N                              | 08143E                              | 36.8         | 146.7        | GGGG                  |                     |                      | 161                     | 22                     |
| 2438-04511     | 00000/0000                                     | 2-20022/1238 | 04/04/76         | 60          | 6100                   | 5308N                              | 08058E                              | 37.8         | 145.3        | GGGG                  |                     |                      | 161                     | 23                     |
| 2438-04513     | 00000/0000                                     | 2-20022/1239 | 04/04/76         | 90          | 6100                   | 5143N                              | 08015E                              | 38.7         | 144.0        | GGGG                  |                     |                      | 161                     | 24                     |
| 2438-04520     | 00000/0000                                     | 2-20022/1240 | 04/04/76         | 30          | 6100                   | 5019N                              | 07935E                              | 39.6         | 142.6        | GGGG                  |                     |                      | 161                     | 25                     |
| 2438-04540     | 00000/0000                                     | 2-20022/1241 | 04/04/76         | 40          | 6100                   | 4314N                              | 07639E                              | 43.9         | 135.5        | GGGG                  |                     |                      | 161                     | 30                     |
| 2438-04543     | 00000/0000                                     | 2-20022/1242 | 04/04/76         | 10          | 6100                   | 4148N                              | 07608E                              | 44.7         | 134.1        | GGGG                  |                     |                      | 161                     | 31                     |
| 2438-04545     | 00000/0000                                     | 2-20022/1243 | 04/04/76         | 60          | 6100                   | 4022N                              | 07538E                              | 45.4         | 132.6        | GGGG                  |                     |                      | 161                     | 32                     |
| 2438-04552     | 00000/0000                                     | 2-20022/1244 | 04/04/76         | 100         | 6100                   | 3856N                              | 07509E                              | 46.1         | 131.0        | GGGG                  |                     |                      | 161                     | 33                     |
| 2438-04554     | 00000/0000                                     | 2-20022/1245 | 04/04/76         | 90          | 6100                   | 3731N                              | 07440E                              | 46.9         | 129.4        | GGGG                  |                     |                      | 161                     | 34                     |
| 2438-04561     | 00000/0000                                     | 2-20022/1246 | 04/04/76         | 100         | 6100                   | 3605N                              | 07413E                              | 47.5         | 127.8        | GGGG                  |                     |                      | 161                     | 35                     |

KEYS: CLOUD COVER 1 ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 177

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2438-04563        | 00000/0000                                     | 2-20022/1247     | 04/04/76       | 100                    | 6100                               | 3439N                               | 07346E       | 48.2         | 126.2                              |                     |                      |                         |                        |
| 2438-04570        | 00000/0000                                     | 2-20022/1248     | 04/04/76       | 100                    | 6100                               | 3313N                               | 07320E       | 48.8         | 124.5                              | GGGG                |                      | 161                     | 36                     |
| 2438-04572        | 00000/0000                                     | 2-20022/1249     | 04/04/76       | 100                    | 6100                               | 3147N                               | 07255E       | 49.3         | 122.8                              | GGGG                |                      | 161                     | 37                     |
| 2438-04581        | 00000/0000                                     | 2-20022/1250     | 04/04/76       | 100                    | 6100                               | 2855N                               | 07206E       | 50.4         | 119.2                              | GGGG                |                      | 161                     | 38                     |
| 2438-04584        | 00000/0000                                     | 2-20022/1251     | 04/04/76       | 30                     | 6100                               | 2728N                               | 07142E       | 50.8         | 117.4                              | GGGG                |                      | 161                     | 40                     |
| 2438-04590        | 00000/0000                                     | 2-20022/1252     | 04/04/76       | 10                     | 6100                               | 2602N                               | 07118E       | 51.2         | 115.5                              | GGGG                |                      | 161                     | 41                     |
| 2438-04592        | 00000/0000                                     | 2-20022/1253     | 04/04/76       | 10                     | 6100                               | 2436N                               | 07056E       | 51.6         | 113.6                              | GGGG                |                      | 161                     | 42                     |
| 2438-06325        | 00000/0000                                     | 2-20022/1348     | 04/04/76       | 90                     | 6101                               | 5843N                               | 05827E       | 33.9         | 150.9                              | GGGG                |                      | 179                     | 43                     |
| 2438-06331        | 00000/0000                                     | 2-20022/1349     | 04/04/76       | 90                     | 6101                               | 5720N                               | 05733E       | 34.9         | 149.5                              | GGGG                |                      | 179                     | 19                     |
| 2438-06334        | 00000/0000                                     | 2-20022/1350     | 04/04/76       | 90                     | 6101                               | 5556N                               | 05643E       | 35.5         | 148.1                              | GGGG                |                      | 179                     | 20                     |
| 2438-06340        | 00000/0000                                     | 2-20022/1351     | 04/04/76       | 100                    | 6101                               | 5432N                               | 05554E       | 36.8         | 146.7                              | GGGG                |                      | 179                     | 21                     |
| 2438-06342        | 00000/0000                                     | 2-20022/1352     | 04/04/76       | 100                    | 6101                               | 5307N                               | 05509E       | 37.8         | 145.3                              | GGGG                |                      | 179                     | 22                     |
| 2438-06344        | 00000/0000                                     | 2-20022/1353     | 04/04/76       | 100                    | 6101                               | 5143N                               | 05426E       | 38.7         | 144.0                              | GGGG                |                      | 179                     | 23                     |
| 2438-06352        | 00000/0000                                     | 2-20022/1354     | 04/04/76       | 50                     | 6101                               | 5019N                               | 05345E       | 39.6         | 142.6                              | GGGG                |                      | 179                     | 24                     |
| 2438-06354        | 00000/0000                                     | 2-20022/1355     | 04/04/76       | 0                      | 6101                               | 4854N                               | 05307E       | 40.5         | 141.2                              | GGGG                |                      | 179                     | 25                     |
| 2438-06341        | 00000/0000                                     | 2-20022/1356     | 04/04/76       | 10                     | 6101                               | 4022N                               | 04947E       | 45.1         | 132.5                              | GGGG                |                      | 179                     | 26                     |
| 2438-06384        | 00000/0000                                     | 2-20022/1357     | 04/04/76       | 10                     | 6101                               | 3856N                               | 04918E       | 46.2         | 131.0                              | GGGG                |                      | 179                     | 32                     |
| 2438-06390        | 00000/0000                                     | 2-20022/1358     | 04/04/76       | 30                     | 6101                               | 3730N                               | 04850E       | 46.9         | 129.4                              | GGGG                |                      | 179                     | 33                     |
| 2438-06393        | 00000/0000                                     | 2-20022/1308     | 04/04/76       | 70                     | 6101                               | 3604N                               | 04823E       | 47.6         | 127.8                              | GGGG                |                      | 179                     | 34                     |
| 2438-08154        | 00000/0000                                     | 2-20022/1309     | 04/04/76       | 10                     | 6102                               | 6005N                               | 03341E       | 22.9         | 152.3                              | GGGG                |                      | 179                     | 35                     |
| 2438-08160        | 00000/0000                                     | 2-20022/1310     | 04/04/76       | 30                     | 6102                               | 5842N                               | 03242E       | 33.9         | 150.9                              | GGGG                |                      | 197                     | 18                     |
| 2438-08163        | 00000/0000                                     | 2-20022/1311     | 04/04/76       | 90                     | 6102                               | 5718N                               | 03147E       | 34.9         | 149.5                              | GGGG                |                      | 197                     | 19                     |
| 2438-08172        | 00000/0000                                     | 2-20022/1312     | 04/04/76       | 90                     | 6102                               | 5440N                               | 03007E       | 36.9         | 146.7                              | GGGG                |                      | 197                     | 20                     |
| 2438-08174        | 00000/0000                                     | 2-20022/1313     | 04/04/76       | 40                     | 6102                               | 5306N                               | 02922E       | 37.8         | 145.3                              | GGGG                |                      | 197                     | 22                     |
| 2438-08181        | 00000/0000                                     | 2-20022/1314     | 04/04/76       | 20                     | 6102                               | 5142N                               | 02839E       | 38.8         | 144.0                              | GGGG                |                      | 197                     | 23                     |
| 2438-08183        | 00000/0000                                     | 2-20022/1315     | 04/04/76       | 10                     | 6102                               | 5017N                               | 02758E       | 39.7         | 142.6                              | GGGG                |                      | 197                     | 24                     |
| 2438-08192        | 00000/0000                                     | 2-20022/1316     | 04/04/76       | 0                      | 6102                               | 4728N                               | 02642E       | 41.4         | 139.8                              | GGGG                |                      | 197                     | 25                     |
| 2438-08195        | 00000/0000                                     | 2-20022/1317     | 04/04/76       | 0                      | 6102                               | 4603N                               | 02607E       | 42.3         | 138.4                              | GGGG                |                      | 197                     | 27                     |
| 2438-08201        | 00000/0000                                     | 2-20022/1318     | 04/04/76       | 0                      | 6102                               | 4437N                               | 02534E       | 43.1         | 137.0                              | GGGG                |                      | 197                     | 28                     |
| 2438-08204        | 00000/0000                                     | 2-20022/1319     | 04/04/76       | 0                      | 6102                               | 4312N                               | 02501E       | 43.9         | 135.5                              | GGGG                |                      | 197                     | 29                     |
| 2438-15113        | 00000/0000                                     | 2-20022/1784     | 04/04/76       | 70                     | 6106                               | 5019N                               | 07519W       | 39.8         | 142.6                              | GGGG                |                      | 197                     | 30                     |
| 2438-16461        | 00000/0000                                     | 2-20022/1320     | 04/04/76       | 70                     | 6107                               | 7748N                               | 06321W       | 18.0         | 188.2                              | GGGG                |                      | 18                      | 25                     |
| 2438-16545        | 00000/0000                                     | 2-20022/1323     | 04/04/76       | 0                      | 6107                               | 5019N                               | 10107W       | 39.8         | 142.6                              | GGGG                |                      | 36                      | 4                      |
| 2438-17013        | 00000/0000                                     | 2-20022/1324     | 04/04/76       | 10                     | 6107                               | 2729N                               | 10859W       | 51.0         | 117.2                              | GGGG                |                      | 36                      | 25                     |
| 2438-18281        | 00000/0000                                     | 2-20022/1321     | 04/04/76       | 10                     | 6108                               | 8014N                               | 06948W       | 14.7         | 207.7                              | GGGG                |                      | 36                      | 41                     |
| 2438-18283        | 00000/0000                                     | 2-20022/1322     | 04/04/76       | 10                     | 6108                               | 7933N                               | 07713W       | 15.8         | 200.3                              | GGGG                |                      | 53                      | 1                      |
|                   |                                                |                  |                |                        |                                    |                                     |              |              |                                    |                     |                      | 53                      | 2                      |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM REEL NO./ POSITION IN REEL | DATE ACQUIRED | CLOUD COVER | PRINCIPAL PRIN | SUN ELEV. | SUN AZIM. | IMAGE QUAL | MSS DATA | MSS IMAGE | SRBIT PATH | FRAME ROW |
|----------------|--------------------------------------|---------------|-------------|----------------|-----------|-----------|------------|----------|-----------|------------|-----------|
|                | NO. MSS                              |               | NUMBER      | 9F IMAGE       |           |           | RSV MSS    | MODE     | GAIN      | NUMBER     | NUMBER    |
|                |                                      |               |             | LAT            | LONG      |           | 123 45678  |          |           |            |           |
| 2439-01313     | 00000/0000                           | 2-20022/1359  | 04/05/76    | 10             | 6112      | 4855N     | 12909E     | 40.4     | 141.1     | GGGG       |           |
| 2439-01320     | 00000/0000                           | 2-20022/1360  | 04/05/76    | 10             | 6112      | 4790N     | 12833E     | 41.7     | 139.7     | GGGG       | 126 26    |
| 2439-01322     | 00000/0000                           | 2-20022/1361  | 04/05/76    | 10             | 6112      | 4605N     | 12758E     | 42.5     | 138.3     | GGGG       | 126 27    |
| 2439-01325     | 00000/0000                           | 2-20022/1362  | 04/05/76    | 27             | 6112      | 4440N     | 12724E     | 43.4     | 136.9     | GGGG       | 126 28    |
| 2439-01327     | 00000/0000                           | 2-20022/1325  | 04/05/76    | 90             | 6112      | 4315N     | 12651E     | 44.2     | 135.4     | GGGG       | 126 29    |
| 2439-01334     | 00000/0000                           | 2-20022/1326  | 04/05/76    | 100            | 6112      | 4149N     | 12619E     | 45.0     | 133.9     | GGGG       | 126 30    |
| 2439-01317     | 00000/0000                           | 2-20022/1327  | 04/05/76    | 30             | 6113      | 4023N     | 12601E     | 45.7     | 132.4     | GGGG       | 126 31    |
| 2439-01312     | 00000/0000                           | 2-20022/1328  | 04/05/76    | 10             | 6113      | 3857N     | 12582E     | 46.5     | 130.8     | GGGG       | 144 32    |
| 2439-01314     | 00000/0000                           | 2-20022/1329  | 04/05/76    | 0              | 6113      | 3752N     | 12550E     | 47.2     | 129.2     | GGGG       | 144 33    |
| 2439-01318     | 00000/0000                           | 2-20022/1330  | 04/05/76    | 10             | 6113      | 3605N     | 12536E     | 47.8     | 127.6     | GGGG       | 144 34    |
| 2439-01320     | 00000/0000                           | 2-20022/1331  | 04/05/76    | 10             | 6113      | 3453N     | 12529E     | 48.5     | 125.9     | GGGG       | 144 35    |
| 2439-01323     | 00000/0000                           | 2-20022/1332  | 04/05/76    | 10             | 6113      | 3366N     | 12507E     | 49.0     | 124.3     | GGGG       | 144 36    |
| 2439-01325     | 00000/0000                           | 2-20022/1333  | 04/05/76    | 20             | 6113      | 3240N     | 12456E     | 50.0     | 123.3     | GGGG       | 144 37    |
| 2439-01326     | 00000/0000                           | 2-20022/1334  | 04/05/76    | 30             | 6113      | 3133N     | 12434E     | 51.0     | 122.3     | GGGG       | 144 38    |
| 2439-01328     | 00000/0000                           | 2-20022/1335  | 04/05/76    | 30             | 6113      | 3036N     | 12407E     | 52.0     | 121.3     | GGGG       | 144 39    |
| 2439-01329     | 00000/0000                           | 2-20022/1336  | 04/05/76    | 30             | 6113      | 2940N     | 12377E     | 52.9     | 120.3     | GGGG       | 144 40    |
| 2439-01326     | 00000/0000                           | 2-20022/1337  | 04/05/76    | 30             | 6113      | 2844N     | 12347E     | 53.4     | 119.3     | GGGG       | 144 41    |
| 2439-01327     | 00000/0000                           | 2-20022/1338  | 04/05/76    | 30             | 6113      | 2746N     | 12316E     | 54.4     | 118.5     | GGGG       | 144 42    |
| 2439-01327     | 00000/0000                           | 2-20022/1339  | 04/05/76    | 40             | 6113      | 2650N     | 12286E     | 55.2     | 117.6     | GGGG       | 144 43    |
| 2439-01327     | 00000/0000                           | 2-20022/1340  | 04/05/76    | 40             | 6113      | 2553N     | 12256E     | 56.1     | 116.7     | GGGG       | 144 44    |
| 2439-01327     | 00000/0000                           | 2-20022/1341  | 04/05/76    | 20             | 6114      | 2457N     | 12226E     | 57.0     | 115.7     | GGGG       | 144 45    |
| 2439-01327     | 00000/0000                           | 2-20022/1342  | 04/05/76    | 10             | 6114      | 2360N     | 12196E     | 57.9     | 114.7     | GGGG       | 144 46    |
| 2439-01327     | 00000/0000                           | 2-20022/1343  | 04/05/76    | 30             | 6114      | 2263N     | 12166E     | 58.8     | 113.7     | GGGG       | 144 47    |
| 2439-01327     | 00000/0000                           | 2-20022/1344  | 04/05/76    | 50             | 6114      | 2166N     | 12136E     | 59.7     | 112.7     | GGGG       | 144 48    |
| 2439-01327     | 00000/0000                           | 2-20022/1345  | 04/05/76    | 10             | 6114      | 2069N     | 12106E     | 60.6     | 111.7     | GGGG       | 144 49    |
| 2439-01327     | 00000/0000                           | 2-20022/1346  | 04/05/76    | 10             | 6114      | 1972N     | 12076E     | 61.5     | 110.7     | GGGG       | 144 50    |
| 2439-01327     | 00000/0000                           | 2-20022/1347  | 04/05/76    | 10             | 6114      | 1875N     | 12046E     | 62.4     | 109.7     | GGGG       | 144 51    |
| 2439-01327     | 00000/0000                           | 2-20022/1348  | 04/05/76    | 10             | 6114      | 1778N     | 12016E     | 63.3     | 108.7     | GGGG       | 144 52    |
| 2439-01327     | 00000/0000                           | 2-20022/1349  | 04/05/76    | 10             | 6114      | 1681N     | 11986E     | 64.2     | 107.7     | GGGG       | 144 53    |
| 2439-01327     | 00000/0000                           | 2-20022/1350  | 04/05/76    | 10             | 6114      | 1584N     | 11956E     | 65.1     | 106.7     | GGGG       | 144 54    |
| 2439-01327     | 00000/0000                           | 2-20022/1351  | 04/05/76    | 10             | 6114      | 1487N     | 11926E     | 66.0     | 105.7     | GGGG       | 144 55    |
| 2439-01327     | 00000/0000                           | 2-20022/1352  | 04/05/76    | 10             | 6114      | 1390N     | 11896E     | 66.9     | 104.7     | GGGG       | 144 56    |
| 2439-01327     | 00000/0000                           | 2-20022/1353  | 04/05/76    | 10             | 6114      | 1293N     | 11866E     | 67.8     | 103.7     | GGGG       | 144 57    |
| 2439-01327     | 00000/0000                           | 2-20022/1354  | 04/05/76    | 10             | 6114      | 1196N     | 11836E     | 68.7     | 102.7     | GGGG       | 144 58    |
| 2439-01327     | 00000/0000                           | 2-20022/1355  | 04/05/76    | 10             | 6114      | 1099N     | 11806E     | 69.6     | 101.7     | GGGG       | 144 59    |
| 2439-01327     | 00000/0000                           | 2-20022/1356  | 04/05/76    | 10             | 6114      | 1002N     | 11776E     | 70.5     | 100.7     | GGGG       | 144 60    |
| 2439-01327     | 00000/0000                           | 2-20022/1357  | 04/05/76    | 10             | 6114      | 905N      | 11746E     | 71.4     | 99.7      | GGGG       | 144 61    |
| 2439-01327     | 00000/0000                           | 2-20022/1358  | 04/05/76    | 10             | 6114      | 808N      | 11716E     | 72.3     | 98.7      | GGGG       | 144 62    |
| 2439-01327     | 00000/0000                           | 2-20022/1359  | 04/05/76    | 10             | 6114      | 711N      | 11686E     | 73.2     | 97.7      | GGGG       | 144 63    |
| 2439-01327     | 00000/0000                           | 2-20022/1360  | 04/05/76    | 10             | 6114      | 614N      | 11656E     | 74.1     | 96.7      | GGGG       | 144 64    |
| 2439-01327     | 00000/0000                           | 2-20022/1361  | 04/05/76    | 10             | 6114      | 517N      | 11626E     | 75.0     | 95.7      | GGGG       | 144 65    |
| 2439-01327     | 00000/0000                           | 2-20022/1362  | 04/05/76    | 10             | 6114      | 420N      | 11596E     | 75.9     | 94.7      | GGGG       | 144 66    |
| 2439-01327     | 00000/0000                           | 2-20022/1363  | 04/05/76    | 10             | 6114      | 323N      | 11566E     | 76.8     | 93.7      | GGGG       | 144 67    |
| 2439-01327     | 00000/0000                           | 2-20022/1364  | 04/05/76    | 10             | 6114      | 226N      | 11536E     | 77.7     | 92.7      | GGGG       | 144 68    |
| 2439-01327     | 00000/0000                           | 2-20022/1365  | 04/05/76    | 10             | 6114      | 129N      | 11506E     | 78.6     | 91.7      | GGGG       | 144 69    |
| 2439-01327     | 00000/0000                           | 2-20022/1366  | 04/05/76    | 10             | 6114      | 32N       | 11476E     | 79.5     | 90.7      | GGGG       | 144 70    |
| 2439-01327     | 00000/0000                           | 2-20022/1367  | 04/05/76    | 10             | 6114      | 35N       | 11446E     | 80.4     | 89.7      | GGGG       | 144 71    |
| 2439-01327     | 00000/0000                           | 2-20022/1368  | 04/05/76    | 10             | 6114      | 38N       | 11416E     | 81.3     | 88.7      | GGGG       | 144 72    |
| 2439-01327     | 00000/0000                           | 2-20022/1369  | 04/05/76    | 10             | 6114      | 41N       | 11386E     | 82.2     | 87.7      | GGGG       | 144 73    |
| 2439-01327     | 00000/0000                           | 2-20022/1370  | 04/05/76    | 10             | 6114      | 44N       | 11356E     | 83.1     | 86.7      | GGGG       | 144 74    |
| 2439-01327     | 00000/0000                           | 2-20022/1371  | 04/05/76    | 10             | 6114      | 47N       | 11326E     | 84.0     | 85.7      | GGGG       | 144 75    |
| 2439-01327     | 00000/0000                           | 2-20022/1372  | 04/05/76    | 10             | 6114      | 50N       | 11296E     | 84.9     | 84.7      | GGGG       | 144 76    |
| 2439-01327     | 00000/0000                           | 2-20022/1373  | 04/05/76    | 10             | 6114      | 53N       | 11266E     | 85.8     | 83.7      | GGGG       | 144 77    |
| 2439-01327     | 00000/0000                           | 2-20022/1374  | 04/05/76    | 10             | 6114      | 56N       | 11236E     | 86.7     | 82.7      | GGGG       | 144 78    |
| 2439-01327     | 00000/0000                           | 2-20022/1375  | 04/05/76    | 10             | 6114      | 59N       | 11206E     | 87.6     | 81.7      | GGGG       | 144 79    |
| 2439-01327     | 00000/0000                           | 2-20022/1376  | 04/05/76    | 10             | 6114      | 62N       | 11176E     | 88.5     | 80.7      | GGGG       | 144 80    |
| 2439-01327     | 00000/0000                           | 2-20022/1377  | 04/05/76    | 10             | 6114      | 65N       | 11146E     | 89.4     | 79.7      | GGGG       | 144 81    |
| 2439-01327     | 00000/0000                           | 2-20022/1378  | 04/05/76    | 10             | 6114      | 68N       | 11116E     | 90.3     | 78.7      | GGGG       | 144 82    |
| 2439-01327     | 00000/0000                           | 2-20022/1379  | 04/05/76    | 10             | 6114      | 71N       | 11086E     | 91.2     | 77.7      | GGGG       | 144 83    |
| 2439-01327     | 00000/0000                           | 2-20022/1380  | 04/05/76    | 10             | 6114      | 74N       | 11056E     | 92.1     | 76.7      | GGGG       | 144 84    |
| 2439-01327     | 00000/0000                           | 2-20022/1381  | 04/05/76    | 10             | 6114      | 77N       | 11026E     | 93.0     | 75.7      | GGGG       | 144 85    |
| 2439-01327     | 00000/0000                           | 2-20022/1382  | 04/05/76    | 10             | 6114      | 80N       | 10996E     | 93.9     | 74.7      | GGGG       | 144 86    |
| 2439-01327     | 00000/0000                           | 2-20022/1383  | 04/05/76    | 10             | 6114      | 83N       | 10966E     | 94.8     | 73.7      | GGGG       | 144 87    |
| 2439-01327     | 00000/0000                           | 2-20022/1384  | 04/05/76    | 10             | 6114      | 86N       | 10936E     | 95.7     | 72.7      | GGGG       | 144 88    |
| 2439-01327     | 00000/0000                           | 2-20022/1385  | 04/05/76    | 10             | 6114      | 89N       | 10906E     | 96.6     | 71.7      | GGGG       | 144 89    |
| 2439-01327     | 00000/0000                           | 2-20022/1386  | 04/05/76    | 10             | 6114      | 92N       | 10876E     | 97.5     | 70.7      | GGGG       | 144 90    |
| 2439-01327     | 00000/0000                           | 2-20022/1387  | 04/05/76    | 10             | 6114      | 95N       | 10846E     | 98.4     | 69.7      | GGGG       | 144 91    |
| 2439-01327     | 00000/0000                           | 2-20022/1388  | 04/05/76    | 10             | 6114      | 98N       | 10816E     | 99.3     | 68.7      | GGGG       | 144 92    |
| 2439-01327     | 00000/0000                           | 2-20022/1389  | 04/05/76    | 10             | 6114      | 101N      | 10786E     | 100.2    | 67.7      | GGGG       | 144 93    |
| 2439-01327     | 00000/0000                           | 2-20022/1390  | 04/05/76    | 10             | 6114      | 104N      | 10756E     | 101.1    | 66.7      | GGGG       | 144 94    |
| 2439-01327     | 00000/0000                           | 2-20022/1391  | 04/05/76    | 10             | 6114      | 107N      | 10726E     | 102.0    | 65.7      | GGGG       | 144 95    |
| 2439-01327     | 00000/0000                           | 2-20022/1392  | 04/05/76    | 10             | 6114      | 110N      | 10696E     | 102.9    | 64.7      | GGGG       | 144 96    |
| 2439-01327     | 00000/0000                           | 2-20022/1393  | 04/05/76    | 10             | 6114      | 113N      | 10666E     | 103.8    | 63.7      | GGGG       | 144 97    |
| 2439-01327     | 00000/0000                           | 2-20022/1394  | 04/05/76    | 10             | 6114      | 116N      | 10636E     | 104.7    | 62.7      | GGGG       | 144 98    |
| 2439-01327     | 00000/0000                           | 2-20022/1395  | 04/05/76    | 10             | 6114      | 119N      | 10606E     | 105.6    | 61.7      | GGGG       | 144 99    |
| 2439-01327     | 00000/0000                           | 2-20022/1396  | 04/05/76    | 10             | 6114      | 122N      | 10576E     | 106.5    | 60.7      | GGGG       | 144 100   |
| 2439-01327     | 00000/0000                           | 2-20022/1397  | 04/05/76    | 10             | 6114      | 125N      | 10546E     | 107.4    | 59.7      | GGGG       | 144 101   |
| 2439-01327     | 00000/0000                           | 2-20022/1398  | 04/05/76    | 10             | 6114      | 128N      | 10516E     | 108.3    | 58.7      | GGGG       | 144 102   |
| 2439-01327     | 00000/0000                           | 2-20022/1399  | 04/05/76    | 10             | 6114      | 131N      | 10486E     | 109.2    | 57.7      | GGGG       | 144 103   |
| 2439-01327     | 00000/0000                           | 2-20022/1400  | 04/05/76    | 10             | 6114      | 134N      | 10456E     | 110.1    | 56.7      | GGGG       | 144 104   |
| 2439-01327     | 00000/0000                           | 2-20022/1401  | 04/05/76    | 10             | 6114      | 137N      | 10426E     | 111.0    | 55.7      | GGGG       | 144 105   |
| 2439-01327     | 00000/0000                           | 2-20022/1402  | 04/05/76    | 10             | 6114      | 140N      | 10396E     | 111.9    | 54.7      | GGGG       | 144 106   |
| 2439-01327     | 00000/0000                           | 2-20022/1403  | 04/05/76    | 10             | 6114      | 143N      | 10366E     | 112.8    | 53.7      | GGGG       | 144 107   |
| 2439-01327     | 00000/0000                           | 2-20022/1404  | 04/05/76    | 10             | 6114      | 146N      | 10336E     | 113.7    | 52.7      | GGGG       | 144 108   |
| 2439-01327     | 00000/0000                           | 2-20022/1405  | 04/05/76    | 10             | 6114      | 149N      | 10306E     | 114.6    | 51.7      | GGGG       | 144 109   |
| 2439-01327     | 00000/0000                           | 2-20022/1406  | 04/05/76    | 10             | 6114      | 152N      | 10276E     | 115.5    | 50.7      | GGGG       | 144 110   |
| 2439-01327     | 00000/0000                           | 2-200         |             |                |           |           |            |          |           |            |           |

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM PRINT NR./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | LONG  | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS | MSS<br>DATA | MSS<br>IMAGE | ORBIT<br>PATH | FRAME<br>ROW |
|-------------------|-------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------|--------------|--------------|-------------------|------------|-------------|--------------|---------------|--------------|
|                   |                                                 |                  |                |                 |                                    |       |              |              | 123               | 45678      | MODE        | GAIN         | NUMBER        | NUMBER       |
| 2439-08253        | 00000/0000                                      | 2-20022/1260     | 04/05/76       | 0               | 6116                               | 4603N | 02443E       | 42.7         | 138.3             | GGGG       |             |              | 198           | 28           |
| 2439-08330        | 00000/0000                                      | 2-20022/1261     | 04/05/76       | 0               | 6116                               | 2016N | 01645E       | 52.7         | 107.2             | GGGG       |             |              | 198           | 46           |
| 2439-08332        | 00000/0000                                      | 2-20022/1262     | 04/05/76       | 0               | 6116                               | 1850N | 01624E       | 52.9         | 105.2             | GGGG       |             |              | 198           | 47           |
| 2439-08335        | 00000/0000                                      | 2-20022/1263     | 04/05/76       | 0               | 6116                               | 1723N | 01602E       | 53.0         | 103.2             | GGGG       |             |              | 198           | 48           |
| 2439-08341        | 00000/0000                                      | 2-20022/1264     | 04/05/76       | 0               | 6116                               | 1556N | 01542E       | 53.1         | 101.2             | GGGG       |             |              | 198           | 49           |
| 2439-10023        | 00000/0000                                      | 2-20022/1265     | 04/05/76       | 40              | 6117                               | 6642N | 01239E       | 28.2         | 160.5             | GGGG       |             |              | 216           | 13           |
| 2439-10025        | 00000/0000                                      | 2-20022/1266     | 04/05/76       | 40              | 6117                               | 6542N | 01109E       | 29.2         | 158.7             | GGGG       |             |              | 216           | 14           |
| 2439-15172        | 00000/0000                                      | 2-20022/1267     | 04/05/76       | 10              | 6120                               | 5020N | 07643W       | 40.1         | 142.5             | GGGG       |             |              | 19            | 25           |
| 2439-17003        | 00000/0000                                      | 2-20022/1363     | 04/05/76       | 0               | 6121                               | 5020N | 10235W       | 40.2         | 142.5             | GGGG       |             |              | 37            | 25           |
| 2439-17071        | 00000/0000                                      | 2-20022/1364     | 04/05/76       | 80              | 6121                               | 2730N | 11025W       | 51.2         | 116.8             | GGGG       |             |              | 37            | 41           |
| 2440-01363        | 00000/0000                                      | 2-20022/1562     | 04/06/76       | 10              | 6126                               | 5146N | 12905E       | 39.4         | 143.8             | GGGG       |             |              | 127           | 24           |
| 2440-01365        | 00000/0000                                      | 2-20022/1563     | 04/06/76       | 10              | 6126                               | 5021N | 12823E       | 40.3         | 142.4             | GGGG       |             |              | 127           | 25           |
| 2440-01372        | 00000/0000                                      | 2-20022/1564     | 04/06/76       | 40              | 6126                               | 4856N | 12744E       | 41.2         | 141.0             | GGGG       |             |              | 127           | 26           |
| 2440-01374        | 00000/0000                                      | 2-20022/1565     | 04/06/76       | 50              | 6126                               | 4731N | 12707E       | 42.0         | 139.6             | GGGG       |             |              | 127           | 27           |
| 2440-01381        | 00000/0000                                      | 2-20022/1566     | 04/06/76       | 10              | 6126                               | 4606N | 12631E       | 42.9         | 138.2             | GGGG       |             |              | 127           | 28           |
| 2440-01383        | 00000/0000                                      | 2-20022/1567     | 04/06/76       | 10              | 6126                               | 4440N | 12558E       | 43.7         | 136.7             | GGGG       |             |              | 127           | 29           |
| 2440-01390        | 00000/0000                                      | 2-20022/1568     | 04/06/76       | 10              | 6126                               | 4315N | 12525E       | 44.5         | 135.2             | GGGG       |             |              | 127           | 30           |
| 2440-01392        | 00000/0000                                      | 2-20022/1569     | 04/06/76       | 10              | 6126                               | 4150N | 12454E       | 45.3         | 133.7             | GGGG       |             |              | 127           | 31           |
| 2440-01395        | 00000/0000                                      | 2-20022/1570     | 04/06/76       | 10              | 6126                               | 4025N | 12424E       | 46.0         | 132.2             | GGGG       |             |              | 127           | 32           |
| 2440-01401        | 00000/0000                                      | 2-20022/1571     | 04/06/76       | 10              | 6126                               | 3849N | 12354E       | 46.8         | 130.6             | GGGG       |             |              | 127           | 33           |
| 2440-01404        | 00000/0000                                      | 2-20022/1572     | 04/06/76       | 10              | 6126                               | 3734N | 12326E       | 47.5         | 129.0             | GGFF       |             |              | 127           | 34           |
| 2440-01422        | 00000/0000                                      | 2-20022/1573     | 04/06/76       | 30              | 6126                               | 3149N | 12140E       | 49.9         | 122.2             | FGFG       |             |              | 127           | 38           |
| 2440-01424        | 00000/0000                                      | 2-20022/1365     | 04/06/76       | 30              | 6126                               | 3023N | 12115E       | 50.4         | 120.4             | GGGG       |             |              | 127           | 39           |
| 2440-01431        | 00000/0000                                      | 2-20022/1366     | 04/06/76       | 40              | 6126                               | 2857N | 12051E       | 50.9         | 118.5             | GFGG       |             |              | 127           | 40           |
| 2440-01433        | 00000/0000                                      | 2-20022/1367     | 04/06/76       | 90              | 6126                               | 2720N | 12027E       | 51.3         | 116.7             | GGFG       |             |              | 127           | 41           |
| 2440-03230        | 00000/0000                                      | 2-20022/1368     | 04/06/76       | 90              | 6127                               | 4024N | 09436E       | 46.1         | 132.1             | GGFG       |             |              | 145           | 32           |
| 2440-03233        | 00000/0000                                      | 2-20022/1369     | 04/06/76       | 80              | 6127                               | 3859N | 09407E       | 46.8         | 130.6             | FGGG       |             |              | 145           | 33           |
| 2440-03280        | 00000/0000                                      | 2-20022/1370     | 04/06/76       | 10              | 6127                               | 2311N | 09330E       | 52.4         | 110.8             | GGGG       |             |              | 145           | 44           |
| 2440-03283        | 00000/0000                                      | 2-20022/1371     | 04/06/76       | 10              | 6127                               | 2144N | 09308E       | 52.7         | 108.8             | GGGG       |             |              | 145           | 45           |
| 2440-03285        | 00000/0000                                      | 2-20022/1372     | 04/06/76       | 10              | 6127                               | 2018N | 09247E       | 52.9         | 106.8             | GGGG       |             |              | 145           | 46           |
| 2440-03292        | 00000/0000                                      | 2-20022/1373     | 04/06/76       | 10              | 6127                               | 1851N | 09225E       | 53.0         | 104.8             | GGGG       |             |              | 145           | 47           |
| 2440-03294        | 00000/0000                                      | 2-20022/1374     | 04/06/76       | 10              | 6127                               | 1725N | 09204E       | 53.1         | 102.8             | GFGG       |             |              | 145           | 48           |
| 2440-03301        | 00000/0000                                      | 2-20022/1375     | 04/06/76       | 20              | 6127                               | 1558N | 09143E       | 53.2         | 100.8             | GGGG       |             |              | 145           | 49           |
| 2440-03303        | 00000/0000                                      | 2-20022/1376     | 04/06/76       | 10              | 6127                               | 1431N | 09123E       | 53.2         | 98.8              | GGGG       |             |              | 145           | 50           |
| 2440-03310        | 00000/0000                                      | 2-20022/1377     | 04/06/76       | 10              | 6127                               | 1305N | 09102E       | 53.2         | 96.7              | GGGG       |             |              | 145           | 51           |
| 2440-03312        | 00000/0000                                      | 2-20022/1378     | 04/06/76       | 20              | 6127                               | 1140N | 09041E       | 53.1         | 94.7              | GGGF       |             |              | 145           | 52           |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE. G, GOOD. P, POOR. F, FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RAY | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SUN<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|------------------------|------------------------------|----------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|------------------------|
| 2440-03315        | 00000/0000                           | 2-20022/1379     | 04/06/76         | 10             | 6127                   | 1013N                        | 09021E                     | 52.9         | 92.8         | GGGG                               |                     |                      | 145                   | 53                     |
| 2440-03321        | 00000/0000                           | 2-20022/1380     | 04/06/76         | 10             | 6127                   | 0845N                        | 09001E                     | 52.8         | 90.8         | GGGG                               |                     |                      | 145                   | 54                     |
| 2440-03324        | 00000/0000                           | 2-20022/1381     | 04/06/76         | 40             | 6127                   | 0718N                        | 08940E                     | 52.5         | 88.9         | GGGF                               |                     |                      | 145                   | 55                     |
| 2440-03330        | 00000/0000                           | 2-20022/1382     | 04/06/76         | 40             | 6127                   | 0551N                        | 08920E                     | 52.2         | 87.0         | GGFG                               |                     |                      | 145                   | 56                     |
| 2440-05005        | 00000/0000                           | 2-20022/1408     | 04/06/76         | 50             | 6128                   | 5845N                        | 08127E                     | 34.6         | 150.8        | GGGG                               |                     |                      | 163                   | 19                     |
| 2440-05030        | 00000/0000                           | 2-20022/14046    | 04/06/76         | 40             | 6128                   | 5145N                        | 07726E                     | 39.4         | 143.8        | GGGG                               |                     |                      | 163                   | 24                     |
| 2440-05032        | 00000/0000                           | 2-20022/14047    | 04/06/76         | 30             | 6128                   | 5020N                        | 07646E                     | 40.3         | 142.4        | GGGG                               |                     |                      | 163                   | 25                     |
| 2440-05055        | 00000/0000                           | 2-20022/14048    | 04/06/76         | 0              | 6128                   | 4150N                        | 07318E                     | 45.4         | 133.7        | GGGG                               |                     |                      | 163                   | 31                     |
| 2440-05062        | 00000/0000                           | 2-20022/14049    | 04/06/76         | 0              | 6128                   | 4024N                        | 07248E                     | 46.1         | 132.1        | GGFG                               |                     |                      | 163                   | 32                     |
| 2440-05064        | 00000/0000                           | 2-20022/14051    | 04/06/76         | 10             | 6128                   | 3858N                        | 07218E                     | 46.8         | 130.5        | GGGG                               |                     |                      | 163                   | 33                     |
| 2440-05071        | 00000/0000                           | 2-20022/14052    | 04/06/76         | 0              | 6128                   | 3732N                        | 07150E                     | 47.5         | 128.9        | GGFG                               |                     |                      | 163                   | 34                     |
| 2440-05073        | 00000/0000                           | 2-20022/14053    | 04/06/76         | 10             | 6128                   | 3606N                        | 07122E                     | 48.2         | 127.3        | GGFG                               |                     |                      | 163                   | 35                     |
| 2440-05080        | 00000/0000                           | 2-20022/14054    | 04/06/76         | 40             | 6128                   | 3441N                        | 07055E                     | 48.8         | 125.6        | GGGG                               |                     |                      | 163                   | 36                     |
| 2440-05082        | 00000/0000                           | 2-20022/14055    | 04/06/76         | 40             | 6128                   | 3314N                        | 07029E                     | 49.4         | 123.9        | GGFG                               |                     |                      | 163                   | 37                     |
| 2440-06441        | 00000/0000                           | 2-20022/1406     | 04/06/76         | 10             | 6129                   | 5844N                        | 05536E                     | 34.7         | 150.8        | GGGG                               |                     |                      | 181                   | 19                     |
| 2440-06443        | 00000/0000                           | 2-20022/1420     | 04/06/76         | 10             | 6129                   | 5720N                        | 05442E                     | 35.7         | 149.4        | GGGG                               |                     |                      | 181                   | 20                     |
| 2440-06450        | 00000/0000                           | 2-20022/1421     | 04/06/76         | 10             | 6129                   | 5557N                        | 05351E                     | 36.6         | 148.0        | GGGG                               |                     |                      | 181                   | 21                     |
| 2440-06452        | 00000/0000                           | 2-20022/1422     | 04/06/76         | 10             | 6129                   | 5433N                        | 05303E                     | 37.6         | 146.6        | GGGG                               |                     |                      | 181                   | 22                     |
| 2440-06455        | 00000/0000                           | 2-20022/1423     | 04/06/76         | 10             | 6129                   | 5309N                        | 05218E                     | 38.5         | 145.2        | GGGG                               |                     |                      | 181                   | 23                     |
| 2440-06461        | 00000/0000                           | 2-20022/1424     | 04/06/76         | 0              | 6129                   | 5144N                        | 05135E                     | 39.5         | 143.8        | GGGG                               |                     |                      | 181                   | 24                     |
| 2440-06464        | 00000/0000                           | 2-20022/1425     | 04/06/76         | 0              | 6129                   | 5020N                        | 05054E                     | 40.4         | 142.4        | GGGG                               |                     |                      | 181                   | 25                     |
| 2440-06461        | 00000/0000                           | 2-20022/1426     | 04/06/76         | 40             | 6129                   | 4148N                        | 04727E                     | 45.4         | 133.7        | GGGG                               |                     |                      | 181                   | 31                     |
| 2440-06493        | 00000/0000                           | 2-20022/1427     | 04/06/76         | 30             | 6129                   | 4023N                        | 04657E                     | 46.1         | 132.1        | GGFG                               |                     |                      | 181                   | 32                     |
| 2440-06520        | 00000/0000                           | 2-20022/1428     | 04/06/76         | 10             | 6129                   | 3148N                        | 04415E                     | 50.0         | 122.1        | GGGG                               |                     |                      | 181                   | 38                     |
| 2440-08291        | 00000/0000                           | 2-20022/1429     | 04/06/76         | 20             | 6130                   | 5308N                        | 02630E                     | 38.6         | 145.2        | GGGF                               |                     |                      | 199                   | 23                     |
| 2440-08293        | 00000/0000                           | 2-20022/1430     | 04/06/76         | 10             | 6130                   | 5144N                        | 02548E                     | 39.5         | 143.8        | GGGG                               |                     |                      | 199                   | 24                     |
| 2440-08300        | 00000/0000                           | 2-20022/1431     | 04/06/76         | 10             | 6130                   | 5020N                        | 02507E                     | 40.4         | 142.4        | GGGG                               |                     |                      | 199                   | 25                     |
| 2440-08302        | 00000/0000                           | 2-20022/1432     | 04/06/76         | 10             | 6130                   | 4855N                        | 02429E                     | 41.3         | 141.0        | GGGG                               |                     |                      | 199                   | 26                     |
| 2440-08305        | 00000/0000                           | 2-20022/1433     | 04/06/76         | 10             | 6130                   | 4730N                        | 02352E                     | 42.2         | 139.5        | GGGG                               |                     |                      | 199                   | 27                     |
| 2440-08373        | 00000/0400                           | 2-20022/1439     | 04/06/76         | 0              | 6130                   | 2437N                        | 01626E                     | 52.2         | 112.7        | GGGG                               |                     |                      | 199                   | 43                     |
| 2440-08375        | 00000/0000                           | 2-20022/1440     | 04/06/76         | 0              | 6130                   | 2310N                        | 01604E                     | 52.5         | 110.7        | GGFG                               |                     |                      | 199                   | 44                     |
| 2440-08382        | 00000/0000                           | 2-20022/1441     | 04/06/76         | 0              | 6130                   | 2144N                        | 01542E                     | 52.7         | 108.7        | GGGG                               |                     |                      | 199                   | 45                     |
| 2440-08384        | 00000/0000                           | 2-20022/1442     | 04/06/76         | 0              | 6130                   | 2017N                        | 01520E                     | 52.9         | 106.7        | GGGG                               |                     |                      | 199                   | 46                     |
| 2440-08391        | 00000/0000                           | 2-20022/1443     | 04/06/76         | 0              | 6130                   | 1851N                        | 01458E                     | 53.1         | 104.7        | GGGG                               |                     |                      | 199                   | 47                     |
| 2440-08393        | 00000/0000                           | 2-20022/1444     | 04/06/76         | 0              | 6130                   | 1725N                        | 01437E                     | 53.2         | 102.7        | GGGG                               |                     |                      | 199                   | 48                     |
| 2440-08400        | 00000/0000                           | 2-20022/1445     | 04/06/76         | 0              | 6130                   | 1558N                        | 01416E                     | 53.2         | 100.6        | GGGG                               |                     |                      | 199                   | 49                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | LANG   | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA<br>MODE | MSS<br>MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|------------------------|------------------------------------|--------|--------------|--------------|-------------------|----------------------------|-----------------------------|-------------------------|------------------------|
| 2440-08402        | 00000/0000                                     | 2-20022/1446 | 04/06/76         | 0              | 6130                   | 1471N                              | 01355E | 53.2         | 98.6         | GGGG              |                            |                             | 199                     | 50                     |
| 2440-08405        | 00000/0000                                     | 2-20022/1447 | 04/06/76         | 10             | 6130                   | 1304N                              | 01334E | 53.2         | 96.6         | GGGG              |                            |                             | 199                     | 51                     |
| 2440-11515        | 00000/0000                                     | 2-20022/1448 | 04/06/76         | 90             | 6132                   | 6536N                              | 01602W | 29.6         | 158.8        | GGGG              |                            |                             | 235                     | 14                     |
| 2440-11522        | 00000/0000                                     | 2-20022/1449 | 04/06/76         | 80             | 6132                   | 6415N                              | 01723W | 30.6         | 157.1        | GGGG              |                            |                             | 235                     | 15                     |
| 2440-15162        | 00000/0000                                     | 2-20022/1450 | 04/06/76         | 0              | 6134                   | 7207N                              | 05022W | 24.3         | 169.6        | GGGG              |                            |                             | 20                      | 9                      |
| 2440-15164        | 00000/0000                                     | 2-20022/1451 | 04/06/76         | 0              | 6134                   | 7051N                              | 06041W | 25.4         | 167.0        | GGGG              |                            |                             | 20                      | 10                     |
| 2440-15312        | 00000/0000                                     | 2-20022/1452 | 04/06/76         | 10             | 6134                   | 21.5N                              | 08733W | 52.8         | 108.6        | GGGG              |                            |                             | 20                      | 45                     |
| 2440-15314        | 00000/0000                                     | 2-20022/1453 | 04/06/76         | 30             | 6134                   | 2019N                              | 08755W | 53.0         | 106.6        | GGGG              |                            |                             | 20                      | 46                     |
| 2440-15321        | 00000/0000                                     | 2-20022/1454 | 04/06/76         | 50             | 6134                   | 1852N                              | 08017W | 53.1         | 104.6        | GGGG              |                            |                             | 20                      | 47                     |
| 2440-15323        | 00000/0000                                     | 2-20022/1455 | 04/06/76         | 40             | 6134                   | 1726N                              | 08038W | 53.2         | 102.5        | GGGG              |                            |                             | 20                      | 48                     |
| 2440-15320        | 00000/0000                                     | 2-20022/1456 | 04/06/76         | 10             | 6134                   | 1559N                              | 08059W | 53.3         | 100.5        | GGGG              |                            |                             | 20                      | 49                     |
| 2440-22092        | 00000/0000                                     | 2-20022/1457 | 04/06/76         | 10             | 6138                   | 7206N                              | 16136W | 24.4         | 169.6        | GG G              |                            |                             | 92                      | 9                      |
| 2441-01430        | 00000/0000                                     | 2-20022/1434 | 04/07/76         | 10             | 6140                   | 4857N                              | 12619E | 41.5         | 140.9        | GGGG              |                            |                             | 128                     | 26                     |
| 2441-01432        | 00000/0000                                     | 2-20022/1435 | 04/07/76         | 10             | 6140                   | 4732N                              | 12542E | 42.4         | 139.5        | GGGG              |                            |                             | 128                     | 27                     |
| 2441-01435        | 00000/0000                                     | 2-20022/1436 | 04/07/76         | 0              | 6140                   | 4607N                              | 12506E | 43.2         | 138.0        | GGFG              |                            |                             | 128                     | 28                     |
| 2441-01441        | 00000/0000                                     | 2-20022/1437 | 04/07/76         | 0              | 6140                   | 4442N                              | 12432E | 44.1         | 136.6        | GGFG              |                            |                             | 128                     | 29                     |
| 2441-01444        | 00000/0000                                     | 2-20022/1438 | 04/07/76         | 10             | 6140                   | 4317N                              | 12359E | 44.9         | 135.1        | GGGG              |                            |                             | 128                     | 30                     |
| 2441-01450        | 00000/0000                                     | 2-20022/1461 | 04/07/76         | 10             | 6140                   | 4152N                              | 12328E | 45.6         | 133.5        | GGGG              |                            |                             | 128                     | 31                     |
| 2441-01453        | 00000/0000                                     | 2-20022/1462 | 04/07/76         | 10             | 6140                   | 4026N                              | 12257E | 46.4         | 132.0        | GFGG              |                            |                             | 128                     | 32                     |
| 2441-01455        | 00000/0000                                     | 2-20022/1463 | 04/07/76         | 10             | 6140                   | 3900N                              | 12228E | 47.1         | 130.4        | FFGG              |                            |                             | 128                     | 33                     |
| 2441-01462        | 00000/0000                                     | 2-20022/1464 | 04/07/76         | 20             | 6140                   | 3735N                              | 12200E | 47.8         | 128.7        | GGGG              |                            |                             | 128                     | 34                     |
| 2441-01464        | 00000/0000                                     | 2-20022/1465 | 04/07/76         | 60             | 6140                   | 3609N                              | 12133E | 48.4         | 127.1        | GGFG              |                            |                             | 128                     | 35                     |
| 2441-01471        | 00000/0000                                     | 2-20022/1466 | 04/07/76         | 30             | 6140                   | 3443N                              | 12106E | 49.1         | 125.4        | GGGF              |                            |                             | 128                     | 36                     |
| 2441-01473        | 00000/0000                                     | 2-20022/1467 | 04/07/76         | 10             | 6140                   | 3316N                              | 12040E | 49.7         | 123.6        | GGGF              |                            |                             | 128                     | 37                     |
| 2441-01480        | 00000/0000                                     | 2-20022/1468 | 04/07/76         | 10             | 6140                   | 3150N                              | 12014E | 50.2         | 121.8        | GGFG              |                            |                             | 128                     | 38                     |
| 2441-01482        | 00000/0000                                     | 2-20022/1469 | 04/07/76         | 40             | 6140                   | 3024N                              | 11949E | 50.7         | 120.0        | GGFG              |                            |                             | 128                     | 39                     |
| 2441-01485        | 00000/0000                                     | 2-20022/1470 | 04/07/76         | 80             | 6140                   | 2858N                              | 11925E | 51.2         | 118.1        | GGGG              |                            |                             | 128                     | 40                     |
| 2441-01491        | 00000/0000                                     | 2-20022/1471 | 04/07/76         | 90             | 6140                   | 2732N                              | 11901E | 51.6         | 116.3        | FGGG              |                            |                             | 128                     | 41                     |
| 2441-01494        | 00000/0000                                     | 2-20022/1472 | 04/07/76         | 90             | 6140                   | 2606N                              | 11838E | 52.0         | 114.3        | GGFG              |                            |                             | 128                     | 42                     |
| 2441-01500        | 00000/0000                                     | 2-20022/1473 | 04/07/76         | 80             | 6140                   | 2440N                              | 11816E | 52.3         | 112.4        | GGGG              |                            |                             | 128                     | 43                     |
| 2441-03284        | 00000/0000                                     | 2-20022/1474 | 04/07/76         | 10             | 6141                   | 4025N                              | 09710E | 47.4         | 131.9        | FGGG              |                            |                             | 146                     | 32                     |
| 2441-03291        | 00000/0000                                     | 2-20022/1475 | 04/07/76         | 30             | 6141                   | 3900N                              | 09641E | 47.1         | 130.3        | GGGG              |                            |                             | 146                     | 33                     |
| 2441-03293        | 00000/0000                                     | 2-20022/1476 | 04/07/76         | 70             | 6141                   | 3734N                              | 09613E | 47.8         | 128.7        | GGGG              |                            |                             | 146                     | 34                     |
| 2441-03300        | 00000/0000                                     | 2-20022/1477 | 04/07/76         | 90             | 6141                   | 3608N                              | 09545E | 48.5         | 127.0        | FFFG              |                            |                             | 146                     | 35                     |
| 2441-03325        | 00000/0000                                     | 2-20022/1478 | 04/07/76         | 10             | 6141                   | 2604N                              | 09250E | 52.0         | 114.3        | GGGG              |                            |                             | 146                     | 42                     |
| 2441-03334        | 00000/0000                                     | 2-20022/1479 | 04/07/76         | 40             | 6141                   | 2311N                              | 09204E | 52.6         | 110.4        | GGGG              |                            |                             | 146                     | 44                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FNR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | SARBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS | MSS<br>DATA | MSS<br>IMAGE | ORBIT<br>PATH | FRAME<br>ROW |
|-------------------|------------------------------------------------|------------------|-------------|------------------|------------------------------------|--------------|--------------|-------------------|------------|-------------|--------------|---------------|--------------|
|                   |                                                |                  |             |                  |                                    |              |              | 123 45678         | MODE       | GAIN        | NUMBER       | NUMBER        |              |
| 2441-03341        | 00000/0000                                     | 2-20022/1480     | 04/07/76    | 20               | 6141                               | 2144N        | 09142E       | 52.9              | 108.4      | GGGG        |              | 146           | 45           |
| 2441-03343        | 00000/0000                                     | 2-20022/1481     | 04/07/76    | 20               | 6141                               | 2018N        | 09121E       | 53.1              | 106.3      | GGGG        |              | 146           | 46           |
| 2441-05075        | 00000/0000                                     | 2-20022/1407     | 04/07/76    | 90               | 6142                               | 5435N        | 07728E       | 37.9              | 146.5      | GGGG        |              | 164           | 22           |
| 2441-05082        | 00000/0000                                     | 2-20022/1408     | 04/07/76    | 30               | 6142                               | 5311N        | 07643E       | 38.9              | 145.1      | GGGG        |              | 164           | 23           |
| 2441-05084        | 00000/0000                                     | 2-20022/1409     | 04/07/76    | 10               | 6142                               | 5147N        | 07601E       | 39.8              | 143.7      | GGGG        |              | 164           | 24           |
| 2441-05091        | 00000/0000                                     | 2-20022/1410     | 04/07/76    | 20               | 6142                               | 5021N        | 07521E       | 40.7              | 142.3      | GGGG        |              | 164           | 25           |
| 2441-05111        | 00000/0000                                     | 2-20022/1411     | 04/07/76    | 0                | 6142                               | 4316N        | 07223E       | 44.9              | 135.0      | GGGG        |              | 164           | 30           |
| 2441-05114        | 00000/0000                                     | 2-20022/1412     | 04/07/76    | 0                | 6142                               | 4151N        | 07152E       | 45.7              | 133.5      | GGGG        |              | 164           | 31           |
| 2441-05120        | 00000/0000                                     | 2-20022/1413     | 04/07/76    | 10               | 6142                               | 4025N        | 07122E       | 46.4              | 131.9      | GGGG        |              | 164           | 32           |
| 2441-05123        | 00000/0000                                     | 2-20022/1414     | 04/07/76    | 10               | 6142                               | 3859N        | 07052E       | 47.2              | 130.3      | GGGG        |              | 164           | 33           |
| 2441-05125        | 00000/0000                                     | 2-20022/1415     | 04/07/76    | 10               | 6142                               | 3734N        | 07024E       | 47.8              | 128.7      | GGGG        |              | 164           | 34           |
| 2441-06520        | 00000/0000                                     | 2-20022/1416     | 04/07/76    | 10               | 6143                               | 6143N        | 05008E       | 39.9              | 143.7      | GGGG        |              | 182           | 24           |
| 2441-06522        | 00000/0000                                     | 2-20022/1500     | 04/07/76    | 0                | 6143                               | 5018N        | 04928E       | 40.8              | 142.2      | GGGG        |              | 182           | 25           |
| 2441-06540        | 00000/0000                                     | 2-20022/1501     | 04/07/76    | 0                | 6143                               | 4437N        | 04704E       | 44.2              | 136.4      | GGGG        |              | 182           | 29           |
| 2441-08354        | 00000/0000                                     | 2-20022/1502     | 04/07/76    | 90               | 6144                               | 5017N        | 02341E       | 40.8              | 142.2      | GGGG        |              | 200           | 25           |
| 2441-08431        | 00000/0000                                     | 2-20022/1503     | 04/07/76    | 0                | 6144                               | 2434N        | 01500E       | 52.4              | 112.1      | GGGG        |              | 200           | 43           |
| 2441-08433        | 00000/0000                                     | 2-20022/1504     | 04/07/76    | 0                | 6144                               | 2308N        | 01437E       | 52.7              | 110.2      | GGGG        |              | 200           | 44           |
| 2441-08440        | 00000/0000                                     | 2-20022/1505     | 04/07/76    | 0                | 6144                               | 2141N        | 01415E       | 52.9              | 108.1      | GGGG        |              | 200           | 45           |
| 2441-08442        | 00000/0000                                     | 2-20022/1506     | 04/07/76    | 0                | 6144                               | 2015N        | 01363E       | 53.1              | 106.1      | GGGG        |              | 200           | 46           |
| 2441-08445        | 00000/0000                                     | 2-20022/1507     | 04/07/76    | 0                | 6144                               | 1849N        | 01332E       | 53.3              | 104.1      | GGGG        |              | 200           | 47           |
| 2441-08451        | 00000/0000                                     | 2-20022/1508     | 04/07/76    | 10               | 6144                               | 1722N        | 01311E       | 53.4              | 102.0      | GGGG        |              | 200           | 48           |
| 2441-08454        | 00000/0000                                     | 2-20022/1509     | 04/07/76    | 0                | 6144                               | 1555N        | 01250E       | 53.4              | 100.0      | GGGG        |              | 200           | 49           |
| 2441-08463        | 00000/0000                                     | 2-20022/1510     | 04/07/76    | 10               | 6144                               | 1302N        | 01208E       | 53.4              | 95.9       | GGGG        |              | 200           | 51           |
| 2441-10215        | 00000/0000                                     | 2-20022/1511     | 04/07/76    | 10               | 6145                               | 4023N        | 00605W       | 46.5              | 131.8      | GGGG        |              | 218           | 32           |
| 2441-13394        | 00000/0000                                     | 2-20022/1512     | 04/07/76    | 40               | 6147                               | 6932N        | 03824W       | 26.8              | 164.7      | GGGG        |              | 3             | 11           |
| 2441-15370        | 00000/0000                                     | 2-20022/1417     | 04/07/76    | 10               | 6148                               | 2142N        | 08458W       | 53.0              | 108.0      | GGGG        |              | 21            | 45           |
| 2441-15373        | 00000/0000                                     | 2-20022/1418     | 04/07/76    | 0                | 6148                               | 2017N        | 08320W       | 53.2              | 106.0      | GGGG        |              | 21            | 46           |
| 2441-17095        | 00000/0000                                     | 2-20022/1513     | 04/07/76    | 10               | 6149                               | 5719N        | 10138W       | 36.2              | 149.3      | GGGG        |              | 39            | 20           |
| 2441-17102        | 00000/0000                                     | 2-20022/1514     | 04/07/76    | 0                | 6149                               | 5556N        | 10229W       | 37.2              | 147.9      | GGGG        |              | 39            | 21           |
| 2441-17104        | 00000/0000                                     | 2-20022/1515     | 04/07/76    | 10               | 6149                               | 5432N        | 10317W       | 38.1              | 146.4      | GGGG        |              | 39            | 22           |
| 2441-17111        | 00000/0000                                     | 2-20022/1516     | 04/07/76    | 10               | 6149                               | 5308N        | 10402W       | 39.1              | 145.0      | GGGG        |              | 39            | 23           |
| 2441-17113        | 00000/0000                                     | 2-20022/1517     | 04/07/76    | 10               | 6149                               | 5144N        | 10445W       | 40.0              | 143.6      | GGGG        |              | 39            | 24           |
| 2441-17120        | 00000/0000                                     | 2-20022/1518     | 04/07/76    | 0                | 6149                               | 5019N        | 10525W       | 40.9              | 142.2      | GGGG        |              | 39            | 25           |
| 2441-20315        | 00000/0000                                     | 2-20022/1458     | 04/07/76    | 30               | 6151                               | 7204N        | 13717W       | 24.8              | 169.6      | GGGG        |              | 75            | 9            |
| 2441-20321        | 00000/0000                                     | 2-20022/1459     | 04/07/76    | 20               | 6151                               | 7049N        | 13936W       | 25.9              | 167.0      | GGGG        |              | 75            | 10           |
| 2441-22153        | 00000/0000                                     | 2-20022/1460     | 04/07/76    | 10               | 6152                               | 7051N        | 16521W       | 25.9              | 167.1      | GGGG        |              | 93            | 10           |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 177

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0141

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2442-00235        | 00000/0000                   | 2-20022/1419                | 04/08/76         | 10             | 6153            | 1425S                        | 13324E        | 43.9         | 64.8         | GGGG                               |                     |                      | 111                     | 70                     |
| 2442-01550        | 00000/0000                   | 2-20022/1691                | 04/08/76         | 100            | 6154            | 2730N                        | 11726E        | 51.9         | 115.8        | GGGG                               |                     |                      | 129                     | 41                     |
| 2442-01552        | 00000/0000                   | 2-20022/1692                | 04/08/76         | 90             | 6154            | 2603N                        | 11713E        | 52.3         | 113.8        | GGGG                               |                     |                      | 129                     | 42                     |
| 2442-01555        | 00000/0000                   | 2-20022/1693                | 04/08/76         | 90             | 6154            | 2437N                        | 11650E        | 52.6         | 111.9        | GGGG                               |                     |                      | 129                     | 43                     |
| 2442-01561        | 00000/0000                   | 2-20022/1694                | 04/08/76         | 60             | 6154            | 2310N                        | 11628E        | 52.9         | 109.9        | FGGG                               |                     |                      | 129                     | 44                     |
| 2442-03343        | 00000/0000                   | 2-20022/1695                | 04/08/76         | 10             | 6155            | 4023N                        | 09543E        | 46.8         | 131.7        | GGGG                               |                     |                      | 147                     | 32                     |
| 2442-03345        | 00000/0000                   | 2-20022/1696                | 04/08/76         | 20             | 6155            | 3857N                        | 09514E        | 47.5         | 130.0        | GGGG                               |                     |                      | 147                     | 33                     |
| 2442-03352        | 00000/0000                   | 2-20022/1697                | 04/08/76         | 20             | 6155            | 3732N                        | 09446E        | 48.2         | 128.4        | GGGG                               |                     |                      | 147                     | 34                     |
| 2442-03393        | 00000/0000                   | 2-20022/1698                | 04/08/76         | 80             | 6155            | 2309N                        | 09038E        | 52.9         | 109.8        | GGGG                               |                     |                      | 147                     | 44                     |
| 2442-03395        | 00000/0000                   | 2-20022/1699                | 04/08/76         | 50             | 6155            | 2143N                        | 09016E        | 53.1         | 107.8        | GGGG                               |                     |                      | 147                     | 45                     |
| 2442-03402        | 00000/0000                   | 2-20022/1700                | 04/08/76         | 40             | 6155            | 2016N                        | 08954E        | 53.3         | 105.8        | FFGG                               |                     |                      | 147                     | 46                     |
| 2442-03404        | 00000/0000                   | 2-20022/1701                | 04/08/76         | 30             | 6155            | 1849N                        | 08933E        | 53.4         | 103.7        | GGGG                               |                     |                      | 147                     | 47                     |
| 2442-03411        | 00000/0000                   | 2-20022/1702                | 04/08/76         | 40             | 6155            | 1722N                        | 08912E        | 53.5         | 101.7        | GGGG                               |                     |                      | 147                     | 48                     |
| 2442-03413        | 00000/0000                   | 2-20022/1703                | 04/08/76         | 50             | 6155            | 1556N                        | 08851E        | 53.6         | 99.6         | GGGG                               |                     |                      | 147                     | 49                     |
| 2442-03420        | 00000/0000                   | 2-20022/1704                | 04/08/76         | 10             | 6155            | 1429N                        | 08830E        | 53.5         | 97.6         | GGGG                               |                     |                      | 147                     | 50                     |
| 2442-03422        | 00000/0000                   | 2-20022/1705                | 04/08/76         | 10             | 6155            | 1303N                        | 08809E        | 53.5         | 95.5         | GGGG                               |                     |                      | 147                     | 51                     |
| 2442-03425        | 00000/0000                   | 2-20022/1706                | 04/08/76         | 10             | 6155            | 1136N                        | 08749E        | 53.3         | 93.5         | FGGG                               |                     |                      | 147                     | 52                     |
| 2442-03431        | 00000/0000                   | 2-20022/1707                | 04/08/76         | 10             | 6155            | 1009N                        | 08728E        | 53.2         | 91.5         | GGG                                |                     |                      | 147                     | 53                     |
| 2442-03434        | 00000/0000                   | 2-20022/1708                | 04/08/76         | 10             | 6155            | 0843N                        | 08708E        | 53.0         | 89.5         | GGGG                               |                     |                      | 147                     | 54                     |
| 2442-03440        | 00000/0000                   | 2-20022/1709                | 04/08/76         | 10             | 6155            | 0717N                        | 08648E        | 52.7         | 87.6         | FGGG                               |                     |                      | 147                     | 55                     |
| 2442-03443        | 00000/0000                   | 2-20022/1710                | 04/08/76         | 50             | 6155            | 0549N                        | 08628E        | 52.4         | 85.7         | GGGG                               |                     |                      | 147                     | 56                     |
| 2442-03445        | 00000/0000                   | 2-20022/1711                | 04/08/76         | 40             | 6155            | 0423N                        | 08607E        | 52.0         | 83.9         | GGGG                               |                     |                      | 147                     | 57                     |
| 2442-05122        | 00000/0000                   | 2-20022/1609                | 04/08/76         | 80             | 6156            | 5844N                        | 07832E        | 35.4         | 150.7        | GG                                 |                     |                      | 165                     | 19                     |
| 2442-05124        | 00000/0000                   | 2-20022/1610                | 04/08/76         | 90             | 6156            | 5721N                        | 07738E        | 36.4         | 149.3        | GGGF                               |                     |                      | 165                     | 20                     |
| 2442-05131        | 00000/0000                   | 2-20022/1611                | 04/08/76         | 90             | 6156            | 5557N                        | 07647E        | 37.4         | 147.8        | GGGF                               |                     |                      | 165                     | 21                     |
| 2442-05133        | 00000/0000                   | 2-20022/1612                | 04/08/76         | 40             | 6156            | 5433N                        | 07559E        | 38.3         | 146.4        | GGGF                               |                     |                      | 165                     | 22                     |
| 2442-05140        | 00000/0000                   | 2-20022/1613                | 04/08/76         | 40             | 6156            | 5309N                        | 07514E        | 39.3         | 145.0        | GGGG                               |                     |                      | 165                     | 23                     |
| 2442-05142        | 00000/0000                   | 2-20022/1614                | 04/08/76         | 50             | 6156            | 5144N                        | 07431E        | 40.2         | 143.6        | GGGG                               |                     |                      | 165                     | 24                     |
| 2442-05145        | 00000/0000                   | 2-20022/1615                | 04/08/76         | 40             | 6156            | 5018N                        | 07351E        | 41.1         | 142.2        | GGGG                               |                     |                      | 165                     | 25                     |
| 2442-05165        | 00000/0000                   | 2-20022/1616                | 04/08/76         | 0              | 6156            | 4313N                        | 07054E        | 45.3         | 134.8        | GGGG                               |                     |                      | 165                     | 30                     |
| 2442-05172        | 00000/0000                   | 2-20022/1617                | 04/08/76         | 10             | 6156            | 4148N                        | 07023E        | 46.1         | 133.2        | GGGG                               |                     |                      | 165                     | 31                     |
| 2442-05174        | 00000/0000                   | 2-20022/1618                | 04/08/76         | 40             | 6156            | 4022N                        | 06953E        | 46.8         | 131.6        | FFFF                               |                     |                      | 165                     | 32                     |
| 2442-05181        | 00000/0000                   | 2-20022/1619                | 04/08/76         | 80             | 6156            | 3856N                        | 06923E        | 47.5         | 130.0        | GGG                                |                     |                      | 165                     | 33                     |
| 2442-05183        | 00000/0000                   | 2-20022/1620                | 04/08/76         | 80             | 6156            | 3730N                        | 06855E        | 48.2         | 128.4        | GGGG                               |                     |                      | 165                     | 34                     |
| 2442-05560        | 00000/0000                   | 2-20022/1621                | 04/08/76         | 90             | 6157            | 5719N                        | 05150E        | 36.4         | 149.3        | GGGG                               |                     |                      | 183                     | 20                     |
| 2442-06562        | 00000/0000                   | 2-20022/1622                | 04/08/76         | 80             | 6157            | 5556N                        | 05059E        | 37.4         | 147.8        | GGFG                               |                     |                      | 183                     | 21                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANHSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA<br>MODE | MSS<br>MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>R&W<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|----------------------------|-----------------------------|-------------------------|------------------------|
| 2442-06565        | 00000/0000                                     | 2-20022/1482     | 04/08/76       | 20              | 6157                               | 5432N                               | 05012E       | 38.4         | 146.4             | GGGG                       |                             | 183                     | 22                     |
| 2442-06571        | 00000/0000                                     | 2-20022/1483     | 04/08/76       | 10              | 6157                               | 5309N                               | 04927E       | 39.3         | 145.0             | GGGG                       |                             | 183                     | 23                     |
| 2442-06574        | 00000/0000                                     | 2-20022/1484     | 04/08/76       | 10              | 6157                               | 5144N                               | 04844E       | 40.2         | 143.6             | GGGG                       |                             | 183                     | 24                     |
| 2442-06580        | 00000/0000                                     | 2-20022/1485     | 04/08/76       | 0               | 6157                               | 5019N                               | 04803E       | 41.1         | 142.1             | GGGG                       |                             | 183                     | 25                     |
| 2442-06583        | 00000/0000                                     | 2-20022/1486     | 04/08/76       | 0               | 6157                               | 4854N                               | 04725E       | 42.0         | 140.7             | GGGG                       |                             | 183                     | 26                     |
| 2442-06585        | 00000/0000                                     | 2-20022/1487     | 04/08/76       | 0               | 6157                               | 4730N                               | 04647E       | 42.9         | 139.2             | GGGG                       |                             | 183                     | 27                     |
| 2442-06592        | 00000/0000                                     | 2-20022/1488     | 04/08/76       | 20              | 6157                               | 4604N                               | 04612E       | 43.7         | 137.8             | GGGF                       |                             | 183                     | 28                     |
| 2442-06594        | 00000/0000                                     | 2-20022/1489     | 04/08/76       | 30              | 6157                               | 4438N                               | 04538E       | 44.5         | 136.3             | GGFG                       |                             | 183                     | 29                     |
| 2442-07001        | 00000/0000                                     | 2-20022/1490     | 04/08/76       | 30              | 6157                               | 4313N                               | 04506E       | 45.3         | 134.8             | GGFG                       |                             | 183                     | 30                     |
| 2442-07003        | 00000/0000                                     | 2-20022/1491     | 04/08/76       | 30              | 6157                               | 4148N                               | 04435E       | 46.1         | 133.2             | GGFG                       |                             | 183                     | 31                     |
| 2442-07010        | 00000/0000                                     | 2-20022/1492     | 04/08/76       | 70              | 6157                               | 4022N                               | 04405E       | 46.8         | 131.6             | GGGG                       |                             | 183                     | 32                     |
| 2442-07012        | 00000/0000                                     | 2-20022/1493     | 04/08/76       | 70              | 6157                               | 3856N                               | 04336E       | 47.5         | 130.0             | GGGG                       |                             | 183                     | 33                     |
| 2442-08383        | 00000/0000                                     | 2-20022/1519     | 04/08/76       | 30              | 6158                               | 6005N                               | 02753E       | 34.5         | 152.2             | GGGG                       |                             | 201                     | 18                     |
| 2442-08395        | 00000/0000                                     | 2-20022/1520     | 04/08/76       | 20              | 6158                               | 5842N                               | 02655E       | 35.5         | 150.7             | GGGG                       |                             | 201                     | 19                     |
| 2442-08392        | 00000/0000                                     | 2-20022/1521     | 04/08/76       | 50              | 6158                               | 5719N                               | 02601E       | 36.5         | 149.3             | GGGG                       |                             | 201                     | 20                     |
| 2442-08394        | 00000/0000                                     | 2-20022/1522     | 04/08/76       | 80              | 6158                               | 5555N                               | 02511E       | 37.4         | 147.8             | GGGG                       |                             | 201                     | 21                     |
| 2442-08401        | 00000/0000                                     | 2-20022/1523     | 04/08/76       | 60              | 6158                               | 5432N                               | 02423E       | 38.4         | 146.4             | GGGG                       |                             | 201                     | 22                     |
| 2442-08403        | 00000/0000                                     | 2-20022/1524     | 04/08/76       | 80              | 6158                               | 5308N                               | 02338E       | 39.3         | 145.0             | GGGG                       |                             | 201                     | 23                     |
| 2442-08485        | 00000/0000                                     | 2-20022/1525     | 04/08/76       | 0               | 6158                               | 2435N                               | 01334E       | 52.7         | 111.7             | GGGG                       |                             | 201                     | 43                     |
| 2442-08492        | 00000/0000                                     | 2-20022/1526     | 04/08/76       | 0               | 6158                               | 2308N                               | 01312E       | 52.9         | 109.7             | GGGG                       |                             | 201                     | 44                     |
| 2442-08494        | 00000/0000                                     | 2-20022/1527     | 04/08/76       | 0               | 6158                               | 2142N                               | 01250E       | 53.2         | 107.7             | GGGG                       |                             | 201                     | 45                     |
| 2442-08501        | 00000/0000                                     | 2-20022/1528     | 04/08/76       | 0               | 6158                               | 2016N                               | 01228E       | 53.4         | 105.6             | GGGG                       |                             | 201                     | 46                     |
| 2442-08503        | 00000/0000                                     | 2-20022/1529     | 04/08/76       | 0               | 6158                               | 1849N                               | 01207E       | 53.5         | 103.6             | GGGG                       |                             | 201                     | 47                     |
| 2442-08510        | 00000/0000                                     | 2-20022/1530     | 04/08/76       | 0               | 6158                               | 1722N                               | 01145E       | 53.6         | 101.5             | GGGG                       |                             | 201                     | 48                     |
| 2442-08512        | 00000/0000                                     | 2-20022/1531     | 04/08/76       | 0               | 6158                               | 1555N                               | 01124E       | 53.6         | 99.5              | GGGG                       |                             | 201                     | 49                     |
| 2442-08515        | 00000/0000                                     | 2-20022/1532     | 04/08/76       | 0               | 6158                               | 1428N                               | 01104E       | 53.6         | 97.4              | GGGG                       |                             | 201                     | 50                     |
| 2442-08521        | 00000/0000                                     | 2-20022/1533     | 04/08/76       | 0               | 6158                               | 1302N                               | 01043E       | 53.5         | 95.4              | GGGG                       |                             | 201                     | 51                     |
| 2442-15260        | 00000/0000                                     | 2-20022/1494     | 04/08/76       | 20              | 6162                               | 7648N                               | 04757W       | 20.6         | 183.7             | GGFG                       |                             | 22                      | 5                      |
| 2442-15263        | 00000/0000                                     | 2-20022/1495     | 04/08/76       | 90              | 6162                               | 7542N                               | 05201W       | 21.7         | 179.5             | FFGG                       |                             | 22                      | 6                      |
| 2442-17074        | 00000/0000                                     | 2-20022/1496     | 04/08/76       | 10              | 6163                               | 8015N                               | 04943W       | 16.1         | 208.3             | FFGG                       |                             | 39                      | 1                      |
| 2442-17112        | 00000/0000                                     | 2-20022/1383     | 04/08/76       | 0               | 6163                               | 7050N                               | 08927W       | 26.2         | 167.1             | GGGG                       |                             | 40                      | 10                     |
| 2442-17115        | 00000/0000                                     | 2-20022/1384     | 04/08/76       | 40              | 6163                               | 6933N                               | 09130W       | 27.2         | 164.7             | GGGG                       |                             | 40                      | 11                     |
| 2442-17121        | 00000/0000                                     | 2-20022/1385     | 04/08/76       | 30              | 6163                               | 6815N                               | 09319W       | 28.3         | 162.6             | GGGG                       |                             | 40                      | 12                     |
| 2442-17124        | 00000/0000                                     | 2-20022/1386     | 04/08/76       | 40              | 6163                               | 6655N                               | 09458W       | 29.4         | 160.6             | FFGG                       |                             | 40                      | 13                     |
| 2442-17130        | 00000/0000                                     | 2-20022/1387     | 04/08/76       | 20              | 6163                               | 6534N                               | 09627W       | 30.5         | 158.8             | GGGG                       |                             | 40                      | 14                     |
| 2442-17133        | 00000/0000                                     | 2-20022/1388     | 04/08/76       | 10              | 6163                               | 6413N                               | 09748W       | 31.5         | 157.0             | GGGG                       |                             | 40                      | 15                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 29, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2442-17135        | 00000/0000                                     | 2-20022/1389 | 04/08/76         | 10             | 6163            | 6252N                              | 09902W                              | 32.5         | 155.4        | GGGG                               |                     |                      | 40                      | 16                     |
| 2442-17142        | 00000/0000                                     | 2-20022/1390 | 04/08/76         | 20             | 6163            | 6129N                              | 10010W                              | 33.6         | 153.8        | GGGG                               |                     |                      | 40                      | 17                     |
| 2442-17144        | 00000/0000                                     | 2-20022/1391 | 04/08/76         | 90             | 6163            | 6006N                              | 10113W                              | 34.6         | 152.2        | GGGG                               |                     |                      | 40                      | 18                     |
| 2442-17151        | 00000/0000                                     | 2-20022/1392 | 04/08/76         | 20             | 6163            | 5844N                              | 10211W                              | 35.6         | 150.7        | GGGG                               |                     |                      | 40                      | 19                     |
| 2442-17153        | 00000/0000                                     | 2-20022/1712 | 04/08/76         | 20             | 6163            | 5721N                              | 10305W                              | 36.6         | 149.3        | GGGG                               |                     |                      | 40                      | 20                     |
| 2442-17160        | 00000/0000                                     | 2-20022/1713 | 04/08/76         | 10             | 6163            | 5557N                              | 10356W                              | 37.5         | 147.8        | GGGG                               |                     |                      | 40                      | 21                     |
| 2442-17162        | 00000/0000                                     | 2-20022/1714 | 04/08/76         | 0              | 6163            | 5433N                              | 10443W                              | 38.5         | 146.4        | GGGG                               |                     |                      | 40                      | 22                     |
| 2442-17165        | 00000/0000                                     | 2-20022/1715 | 04/08/76         | 0              | 6163            | 5308N                              | 10528W                              | 39.4         | 145.0        | GGGG                               |                     |                      | 40                      | 23                     |
| 2442-20344        | 00000/0000                                     | 2-20022/1393 | 04/08/76         | 10             | 6165            | 7935N                              | 10842W                              | 17.3         | 200.8        | GGGG                               |                     |                      | 75                      | 2                      |
| 2442-20350        | 00000/0000                                     | 2-20022/1394 | 04/08/76         | 20             | 6165            | 7846N                              | 11509W                              | 18.4         | 194.3        | FGGG                               |                     |                      | 75                      | 3                      |
| 2442-20353        | 00000/0000                                     | 2-20022/1395 | 04/08/76         | 30             | 6165            | 7750N                              | 12042W                              | 19.6         | 188.6        | GGGG                               |                     |                      | 76                      | 4                      |
| 2442-20355        | 00000/0000                                     | 2-20022/1396 | 04/08/76         | 20             | 6165            | 7648N                              | 12527W                              | 20.7         | 183.7        | FGGG                               |                     |                      | 76                      | 5                      |
| 2442-20362        | 00000/0000                                     | 2-20022/1397 | 04/08/76         | 10             | 6165            | 7541N                              | 12933W                              | 21.8         | 179.5        | GGGG                               |                     |                      | 76                      | 6                      |
| 2442-20364        | 00000/0000                                     | 2-20022/1398 | 04/08/76         | 10             | 6165            | 7432N                              | 13303W                              | 22.9         | 175.8        | GF G                               |                     |                      | 76                      | 7                      |
| 2442-20371        | 00000/0000                                     | 2-20022/1399 | 04/08/76         | 30             | 6165            | 7320N                              | 13604W                              | 24.0         | 172.5        | GGGG                               |                     |                      | 76                      | 8                      |
| 2442-20373        | 00000/0000                                     | 2-20022/1400 | 04/08/76         | 20             | 6165            | 7205N                              | 13843W                              | 25.1         | 169.7        | GGGG                               |                     |                      | 76                      | 9                      |
| 2442-22214        | 00000/0000                                     | 2-20022/1745 | 04/08/76         | 10             | 6166            | 6932N                              | 16854W                              | 27.4         | 164.7        | GGGG                               |                     |                      | 94                      | 11                     |
| 2442-22220        | 00000/0000                                     | 2-20022/1746 | 04/08/76         | 10             | 6166            | 6814N                              | 17044W                              | 28.4         | 162.6        | GGGG                               |                     |                      | 94                      | 12                     |
| 2443-00293        | 00000/0000                                     | 2-20022/1497 | 04/09/76         | 10             | 6167            | 1423S                              | 13158E                              | 43.7         | 64.3         | GGGG                               |                     |                      | 112                     | 70                     |
| 2443-01540        | 00000/0000                                     | 2-20022/1498 | 04/09/76         | 10             | 6168            | 5020N                              | 12405E                              | 41.4         | 142.1        | GGGG                               |                     |                      | 130                     | 25                     |
| 2443-01542        | 00000/0000                                     | 2-20022/1499 | 04/09/76         | 10             | 6168            | 4856N                              | 12326E                              | 42.3         | 140.6        | GGGG                               |                     |                      | 130                     | 26                     |
| 2443-01545        | 00000/0000                                     | 2-20022/1574 | 04/09/76         | 10             | 6168            | 4731N                              | 12250E                              | 43.1         | 139.2        | GGGF                               |                     |                      | 130                     | 27                     |
| 2443-01551        | 00000/0000                                     | 2-20022/1575 | 04/09/76         | 10             | 6168            | 4606N                              | 12214E                              | 44.0         | 137.7        | GGGG                               |                     |                      | 130                     | 28                     |
| 2443-01554        | 00000/0000                                     | 2-20022/1576 | 04/09/76         | 10             | 6168            | 4441N                              | 12140E                              | 44.8         | 136.2        | GGGG                               |                     |                      | 130                     | 29                     |
| 2443-01560        | 00000/0000                                     | 2-20022/1577 | 04/09/76         | 10             | 6168            | 4316N                              | 12108E                              | 45.6         | 134.6        | GGGG                               |                     |                      | 130                     | 30                     |
| 2443-01563        | 00000/0000                                     | 2-20022/1578 | 04/09/76         | 20             | 6168            | 4150N                              | 12036E                              | 46.3         | 133.1        | GGGG                               |                     |                      | 130                     | 31                     |
| 2443-01565        | 00000/0000                                     | 2-20022/1579 | 04/09/76         | 20             | 6168            | 4024N                              | 12006E                              | 47.1         | 131.5        | GGGG                               |                     |                      | 130                     | 32                     |
| 2443-01572        | 00000/0000                                     | 2-20022/1580 | 04/09/76         | 10             | 6168            | 3859N                              | 11936E                              | 47.8         | 129.8        | GF GG                              |                     |                      | 130                     | 33                     |
| 2443-01574        | 00000/0000                                     | 2-20022/1581 | 04/09/76         | 70             | 6168            | 3733N                              | 11908E                              | 48.5         | 128.2        | GGGG                               |                     |                      | 130                     | 34                     |
| 2443-01581        | 00000/0000                                     | 2-20022/1582 | 04/09/76         | 20             | 6168            | 3607N                              | 11840E                              | 49.1         | 126.4        | GGGG                               |                     |                      | 130                     | 35                     |
| 2443-01583        | 00000/0000                                     | 2-20022/1583 | 04/09/76         | 10             | 6168            | 3442N                              | 11814E                              | 49.7         | 124.7        | FGGG                               |                     |                      | 130                     | 36                     |
| 2443-01590        | 00000/0000                                     | 2-20022/1584 | 04/09/76         | 20             | 6168            | 3316N                              | 11748E                              | 50.3         | 122.9        | GGGG                               |                     |                      | 130                     | 37                     |
| 2443-01592        | 00000/0000                                     | 2-20022/1585 | 04/09/76         | 30             | 6168            | 3150N                              | 11723E                              | 50.8         | 121.1        | GGGG                               |                     |                      | 130                     | 38                     |
| 2443-01595        | 00000/0000                                     | 2-20022/1586 | 04/09/76         | 70             | 6168            | 3023N                              | 11658E                              | 51.3         | 119.2        | GGGG                               |                     |                      | 130                     | 39                     |
| 2443-02001        | 00000/0000                                     | 2-20022/1587 | 04/09/76         | 90             | 6168            | 2856N                              | 11634E                              | 51.8         | 117.3        | GGGG                               |                     |                      | 130                     | 40                     |
| 2443-02004        | 00000/0000                                     | 2-20022/1588 | 04/09/76         | 90             | 6168            | 2730N                              | 11611E                              | 52.2         | 115.4        | GGGG                               |                     |                      | 130                     | 41                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM ROLL NO. /<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS DATA<br>MODE | MSS<br>MSS DATA<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|----------------|-------------------------------------------------|------------------|-------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------------------|-------------------------|-------------------------|------------------------|
| 2443-02010     | 00000/0000                                      | 2-20022/1589     | 04/09/76    | 90              | 6168                               | 2604N                               | 11548E       | 52.5         | 113.4             | GGGG                    |                         | 130                     | 42                     |
| 2443-02013     | 00000/0000                                      | 2-20022/1590     | 04/09/76    | 90              | 6168                               | 2438N                               | 11525E       | 52.8         | 111.4             | GGGG                    |                         | 130                     | 43                     |
| 2443-02015     | 00000/0000                                      | 2-20022/1591     | 04/09/76    | 90              | 6168                               | 2312N                               | 11502E       | 53.1         | 109.4             | GGGG                    |                         | 130                     | 44                     |
| 2443-02101     | 00000/0000                                      | 2-20022/1592     | 04/09/76    | 40              | 6168                               | 0542S                               | 10810E       | 48.3         | 71.8              | GGGG                    |                         | 130                     | 64                     |
| 2443-02104     | 00000/0000                                      | 2-20022/1593     | 04/09/76    | 20              | 6168                               | 0709S                               | 10750E       | 47.6         | 70.4              | GGGG                    |                         | 130                     | 65                     |
| 2443-03401     | 00000/0000                                      | 2-20022/1594     | 04/09/76    | 10              | 6169                               | 4074N                               | 09418E       | 47.1         | 131.4             | GGGG                    |                         | 148                     | 32                     |
| 2443-03435     | 00000/0000                                      | 2-20022/1595     | 04/09/76    | 30              | 6169                               | 2731N                               | 09023E       | 52.2         | 115.3             | GGGG                    |                         | 148                     | 41                     |
| 2443-03442     | 00000/0000                                      | 2-20022/1596     | 04/09/76    | 10              | 6169                               | 2604N                               | 08959E       | 52.5         | 113.4             | GGGG                    |                         | 148                     | 42                     |
| 2443-03444     | 00000/0000                                      | 2-20022/1597     | 04/09/76    | 10              | 6169                               | 2438N                               | 08935E       | 52.9         | 111.4             | GGGG                    |                         | 148                     | 43                     |
| 2443-03451     | 00000/0000                                      | 2-20022/1598     | 04/09/76    | 10              | 6169                               | 2311N                               | 08912E       | 53.1         | 109.3             | GGGG                    |                         | 148                     | 44                     |
| 2443-03453     | 00000/0000                                      | 2-20022/1599     | 04/09/76    | 10              | 6169                               | 2144N                               | 08850E       | 53.3         | 107.3             | GGGG                    |                         | 148                     | 45                     |
| 2443-03460     | 00000/0000                                      | 2-20022/1600     | 04/09/76    | 30              | 6169                               | 2017N                               | 08828E       | 53.5         | 105.3             | GGGG                    |                         | 148                     | 46                     |
| 2443-03465     | 00000/0000                                      | 2-20022/1601     | 04/09/76    | 20              | 6169                               | 1725N                               | 08745E       | 53.7         | 101.1             | GGGG                    |                         | 148                     | 47                     |
| 2443-03471     | 00000/0000                                      | 2-20022/1602     | 04/09/76    | 10              | 6169                               | 1557N                               | 08725E       | 53.7         | 99.1              | GGGG                    |                         | 148                     | 48                     |
| 2443-03474     | 00000/0000                                      | 2-20022/1603     | 04/09/76    | 10              | 6169                               | 1430N                               | 08704E       | 53.7         | 97.0              | GGGG                    |                         | 148                     | 49                     |
| 2443-03492     | 00000/0000                                      | 2-20022/1604     | 04/09/76    | 10              | 6169                               | 0844N                               | 08542E       | 53.1         | 89.0              | GGGG                    |                         | 148                     | 50                     |
| 2443-03494     | 00000/0000                                      | 2-20022/1605     | 04/09/76    | 20              | 6169                               | 0717N                               | 08522E       | 52.8         | 87.0              | GGGG                    |                         | 148                     | 54                     |
| 2443-03501     | 00000/0000                                      | 2-20022/1606     | 04/09/76    | 30              | 6169                               | 0550N                               | 08502E       | 52.4         | 85.1              | GGGG                    |                         | 148                     | 55                     |
| 2443-03503     | 00000/0000                                      | 2-20022/1607     | 04/09/76    | 30              | 6169                               | 0423N                               | 08442E       | 52.1         | 83.3              | GGGG                    |                         | 148                     | 56                     |
| 2443-05192     | 00000/0000                                      | 2-20022/1884     | 04/09/76    | 20              | 6170                               | 5424N                               | 07434E       | 38.7         | 146.4             | GGGG                    |                         | 166                     | 22                     |
| 2443-05194     | 00000/0000                                      | 2-20022/1885     | 04/09/76    | 10              | 6170                               | 5309N                               | 07349E       | 39.6         | 144.9             | GGGG                    |                         | 166                     | 23                     |
| 2443-05201     | 00000/0000                                      | 2-20022/1886     | 04/09/76    | 10              | 6170                               | 5145N                               | 07306E       | 40.5         | 143.5             | GGGG                    |                         | 166                     | 24                     |
| 2443-05203     | 00000/0000                                      | 2-20022/1887     | 04/09/76    | 0               | 6170                               | 5020N                               | 07225E       | 41.4         | 142.1             | GGGG                    |                         | 166                     | 25                     |
| 2443-05230     | 00000/0000                                      | 2-20022/1888     | 04/09/76    | 30              | 6170                               | 4149N                               | 06858E       | 46.4         | 133.0             | GGGG                    |                         | 166                     | 31                     |
| 2443-05233     | 00000/0000                                      | 2-20022/1889     | 04/09/76    | 60              | 6170                               | 4024N                               | 06828E       | 47.1         | 131.4             | GGGG                    |                         | 166                     | 32                     |
| 2443-05235     | 00000/0000                                      | 2-20022/1890     | 04/09/76    | 70              | 6170                               | 3857N                               | 06759E       | 47.8         | 129.8             | GGGG                    |                         | 166                     | 33                     |
| 2443-05242     | 00000/0000                                      | 2-20022/1891     | 04/09/76    | 60              | 6170                               | 3732N                               | 06730E       | 48.5         | 128.1             | GGGG                    |                         | 166                     | 34                     |
| 2443-07032     | 00000/0000                                      | 2-20022/1892     | 04/09/76    | 0               | 6171                               | 5144N                               | 04718E       | 40.6         | 143.5             | GGGG                    |                         | 184                     | 28                     |
| 2443-07050     | 00000/0000                                      | 2-20022/1893     | 04/09/76    | 10              | 6171                               | 4605N                               | 04448E       | 44.1         | 137.6             | GGGG                    |                         | 184                     | 29                     |
| 2443-07053     | 00000/0000                                      | 2-20022/1623     | 04/09/76    | 0               | 6171                               | 4440N                               | 04414E       | 44.9         | 136.1             | GGGG                    |                         | 184                     | 30                     |
| 2443-07055     | 00000/0000                                      | 2-20022/1624     | 04/09/76    | 0               | 6171                               | 4315N                               | 04341E       | 45.7         | 134.6             | GGGG                    |                         | 184                     | 31                     |
| 2443-07062     | 00000/0000                                      | 2-20022/1625     | 04/09/76    | 10              | 6171                               | 4149N                               | 04309E       | 46.4         | 133.0             | GGGG                    |                         | 202                     | 16                     |
| 2443-08432     | 00000/0000                                      | 2-20022/1626     | 04/09/76    | 10              | 6172                               | 6251N                               | 02838E       | 32.8         | 155.3             | GGGG                    |                         | 202                     | 17                     |
| 2443-08434     | 00000/0000                                      | 2-20022/1674     | 04/09/76    | 10              | 6172                               | 6129N                               | 02730E       | 33.8         | 153.7             | GGGG                    |                         | 202                     | 18                     |
| 2443-08441     | 00000/0000                                      | 2-20022/1675     | 04/09/76    | 10              | 6172                               | 6007N                               | 02627E       | 34.8         | 152.2             | GGGG                    |                         | 202                     | 19                     |
| 2443-08443     | 00000/0000                                      | 2-20022/1676     | 04/09/76    | 10              | 6172                               | 5844N                               | 02528E       | 35.8         | 150.7             | GGGG                    |                         | 202                     | 19                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=8AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2443-08450        | 00000/0000                   | 2-20022/1677                | 04/09/76         | 10             | 6172            | 5721N                                   | 02434E       | 36.8         | 149.2                              | GGGG                |                      | 202                     | 20                     |
| 2443-08452        | 00000/0000                   | 2-20022/1678                | 04/09/76         | 10             | 6172            | 5558N                                   | 02344E       | 37.8         | 147.8                              | GGGG                |                      | 202                     | 21                     |
| 2443-08543        | 00000/0000                   | 2-20022/1679                | 04/09/76         | 50             | 6172            | 2437N                                   | 01209E       | 52.9         | 111.2                              | GGGG                |                      | 202                     | 43                     |
| 2443-08550        | 00000/0000                   | 2-20022/1680                | 04/09/76         | 10             | 6172            | 2311N                                   | 01147E       | 53.2         | 109.2                              | GGGG                |                      | 202                     | 44                     |
| 2443-08552        | 00000/0000                   | 2-20022/1681                | 04/09/76         | 0              | 6172            | 2145N                                   | 01125E       | 53.4         | 107.2                              | GGGG                |                      | 202                     | 45                     |
| 2443-08561        | 00000/0000                   | 2-20022/1682                | 04/09/76         | 0              | 6172            | 1851N                                   | 01042E       | 53.7         | 103.1                              | GGGG                |                      | 202                     | 47                     |
| 2443-08564        | 00000/0000                   | 2-20022/1683                | 04/09/76         | 10             | 6172            | 1724N                                   | 01020E       | 53.7         | 101.0                              | GGGG                |                      | 202                     | 48                     |
| 2443-08570        | 00000/0000                   | 2-20022/1684                | 04/09/76         | 10             | 6172            | 1557N                                   | 00958E       | 53.8         | 98.9                               | GGGG                |                      | 202                     | 49                     |
| 2443-08573        | 00000/0000                   | 2-20022/1685                | 04/09/76         | 0              | 6172            | 1430N                                   | 00937E       | 53.7         | 96.8                               | GGGG                |                      | 202                     | 50                     |
| 2443-08575        | 00000/0000                   | 2-20022/1686                | 04/09/76         | 30             | 6172            | 1304N                                   | 00916E       | 53.6         | 94.8                               | FGGG                |                      | 202                     | 51                     |
| 2443-08582        | 00000/0000                   | 2-20022/1687                | 04/09/76         | 60             | 6172            | 1137N                                   | 00855E       | 53.5         | 92.8                               | GGGG                |                      | 202                     | 52                     |
| 2443-08584        | 00000/0000                   | 2-20022/1688                | 04/09/76         | 60             | 6172            | 1010N                                   | 00835E       | 53.3         | 90.8                               | GGGG                |                      | 202                     | 53                     |
| 2443-08591        | 00000/0000                   | 2-20022/1689                | 04/09/76         | 40             | 6172            | 0843N                                   | 00814E       | 53.1         | 88.8                               | GGGG                |                      | 202                     | 54                     |
| 2443-15303        | 00000/0000                   | 2-20022/1627                | 04/09/76         | 90             | 6176            | 7935N                                   | 03223W       | 17.6         | 201.1                              | FGGG                |                      | 22                      | 2                      |
| 2443-15310        | 00000/0000                   | 2-20022/1628                | 04/09/76         | 100            | 6176            | 7847N                                   | 03A53W       | 18.7         | 194.5                              | GGGG                |                      | 22                      | 3                      |
| 2443-15312        | 00000/0000                   | 2-20022/1629                | 04/09/76         | 40             | 6176            | 7711N                                   | 04431W       | 19.8         | 188.8                              | GGGG                |                      | 22                      | 4                      |
| 2443-15315        | 00000/0000                   | 2-20022/1630                | 04/09/76         | 10             | 6176            | 7649N                                   | 04920W       | 21.0         | 183.9                              | GF GF               |                      | 23                      | 5                      |
| 2443-15321        | 00000/0000                   | 2-20022/1631                | 04/09/76         | 20             | 6176            | 7543N                                   | 05326W       | 22.1         | 179.6                              | GP GG               |                      | 23                      | 6                      |
| 2443-15324        | 00000/0000                   | 2-20022/1632                | 04/09/76         | 20             | 6176            | 7434N                                   | 05656W       | 23.2         | 175.9                              | GF GG               |                      | 23                      | 7                      |
| 2443-15401        | 00000/0000                   | 2-20022/1630                | 04/09/76         | 20             | 6176            | 5022N                                   | 08225W       | 41.6         | 142.0                              | GGGG                |                      | 23                      | 25                     |
| 2443-17171        | 00000/0000                   | 2-20022/1730                | 04/09/76         | 0              | 6177            | 7022N                                   | 09047W       | 26.5         | 167.2                              | FGGG                |                      | 41                      | 10                     |
| 2443-17173        | 00000/0000                   | 2-20022/1731                | 04/09/76         | 0              | 6177            | 6934N                                   | 09252W       | 27.6         | 164.8                              | GGGG                |                      | 41                      | 11                     |
| 2443-17180        | 00000/0000                   | 2-20022/1732                | 04/09/76         | 0              | 6177            | 6815N                                   | 09442W       | 28.7         | 162.7                              | GGGG                |                      | 41                      | 12                     |
| 2443-17182        | 00000/0000                   | 2-20022/1733                | 04/09/76         | 0              | 6177            | 6657N                                   | 09620W       | 29.8         | 160.7                              | GGGG                |                      | 41                      | 13                     |
| 2443-17185        | 00000/0000                   | 2-20022/1734                | 04/09/76         | 0              | 6177            | 6536N                                   | 09750W       | 30.8         | 158.8                              | GGGG                |                      | 41                      | 14                     |
| 2443-17191        | 00000/0000                   | 2-20022/1735                | 04/09/76         | 10             | 6177            | 6415N                                   | 09911W       | 31.9         | 157.0                              | GGGG                |                      | 41                      | 15                     |
| 2443-17194        | 00000/0000                   | 2-20022/1736                | 04/09/76         | 0              | 6177            | 6253N                                   | 10024W       | 32.9         | 155.4                              | FGGG                |                      | 41                      | 16                     |
| 2443-17200        | 00000/0000                   | 2-20022/1728                | 04/09/76         | 10             | 6177            | 6131N                                   | 10132W       | 33.9         | 153.8                              | G GG                |                      | 41                      | 17                     |
| 2443-17203        | 00000/0000                   | 2-20022/1729                | 04/09/76         | 70             | 6177            | 6009N                                   | 10235W       | 34.9         | 152.2                              | G GG                |                      | 41                      | 18                     |
| 2443-17212        | 00000/0000                   | 2-20022/1765                | 04/09/76         | 80             | 6177            | 5722N                                   | 10429W       | 36.9         | 149.2                              | GGGG                |                      | 41                      | 20                     |
| 2443-17214        | 00000/0000                   | 2-20022/1766                | 04/09/76         | 20             | 6177            | 5558N                                   | 10520W       | 37.9         | 147.8                              | GGGG                |                      | 41                      | 21                     |
| 2443-17221        | 00000/0000                   | 2-20022/1767                | 04/09/76         | 10             | 6177            | 5435N                                   | 10608W       | 38.9         | 146.3                              | FGG                 |                      | 41                      | 22                     |
| 2443-17223        | 00000/0000                   | 2-20022/1768                | 04/09/76         | 0              | 6177            | 5310N                                   | 10653W       | 39.8         | 144.9                              | GGGG                |                      | 41                      | 23                     |
| 2443-17230        | 00000/0000                   | 2-20022/1769                | 04/09/76         | 0              | 6177            | 5146N                                   | 10735W       | 40.7         | 143.5                              | FFFG                |                      | 41                      | 24                     |
| 2443-17232        | 00000/0000                   | 2-20022/1770                | 04/09/76         | 0              | 6177            | 5022N                                   | 10815W       | 41.6         | 142.0                              | GGGG                |                      | 41                      | 25                     |
| 2443-17291        | 00000/0000                   | 2-20022/1771                | 04/09/76         | 0              | 6177            | 3023N                                   | 11520W       | 51.5         | 119.0                              | GGFG                |                      | 41                      | 39                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=2 AND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|-------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2443-20402        | 00000/0000                                     | 2-20022/1737 | 04/09/76         | 50          | 6179            | 7935N                              | 10958W                              | 17.7         | 201.0        | GGGG                  |                     |                      | 76                      | 2                      |
| 2443-20404        | 00000/0000                                     | 2-20022/1738 | 04/09/76         | 50          | 6179            | 7846N                              | 11627W                              | 18.8         | 194.5        | GGGG                  |                     |                      | 76                      | 3                      |
| 2443-20411        | 00000/0000                                     | 2-20022/1739 | 04/09/76         | 70          | 6179            | 7750N                              | 12200W                              | 19.9         | 188.8        | GGGG                  |                     |                      | 76                      | 4                      |
| 2443-20413        | 00000/0000                                     | 2-20022/1740 | 04/09/76         | 30          | 6179            | 7648N                              | 12649W                              | 21.1         | 183.9        | GGGG                  |                     |                      | 77                      | 5                      |
| 2443-20420        | 00000/0000                                     | 2-20022/1741 | 04/09/76         | 10          | 6179            | 7542N                              | 13053W                              | 22.2         | 179.6        | GGGG                  |                     |                      | 77                      | 6                      |
| 2443-20422        | 00000/0000                                     | 2-20022/1742 | 04/09/76         | 10          | 6179            | 7433N                              | 13424W                              | 23.3         | 175.9        | GGGG                  |                     |                      | 77                      | 7                      |
| 2443-20425        | 00000/0000                                     | 2-20022/1743 | 04/09/76         | 20          | 6179            | 7321N                              | 13726W                              | 24.4         | 172.6        | GGGG                  |                     |                      | 77                      | 8                      |
| 2443-20431        | 00000/0000                                     | 2-20022/1744 | 04/09/76         | 0           | 6179            | 7207N                              | 14006W                              | 25.5         | 169.7        | GGGG                  |                     |                      | 77                      | 9                      |
| 2443-22272        | 00000/0000                                     | 2-20022/1772 | 04/09/76         | 40          | 6180            | 6933N                              | 17019W                              | 27.7         | 164.8        | FGFF                  |                     |                      | 95                      | 11                     |
| 2444-00345        | 00000/0000                                     | 2-20022/1633 | 04/10/76         | 0           | 6181            | 1258S                              | 13052E                              | 44.4         | 64.9         | GGGG                  |                     |                      | 113                     | 69                     |
| 2444-00351        | 00000/0000                                     | 2-20022/1634 | 04/10/76         | 0           | 6181            | 1425S                              | 13031E                              | 43.6         | 63.8         | GGGG                  |                     |                      | 113                     | 70                     |
| 2444-01533        | 00000/0000                                     | 2-20022/1635 | 04/10/76         | 20          | 6182            | 7050N                              | 14005E                              | 26.7         | 167.1        | FGGG                  |                     |                      | 131                     | 10                     |
| 2444-01534        | 00000/0000                                     | 2-20022/1636 | 04/10/76         | 30          | 6182            | 5019N                              | 12239E                              | 41.8         | 141.9        | FGGG                  |                     |                      | 131                     | 25                     |
| 2444-02001        | 00000/0000                                     | 2-20022/1637 | 04/10/76         | 50          | 6182            | 4854N                              | 12201E                              | 42.7         | 140.5        | GGGG                  |                     |                      | 131                     | 26                     |
| 2444-02003        | 00000/0000                                     | 2-20022/1534 | 04/10/76         | 60          | 6182            | 4729N                              | 12124E                              | 43.5         | 139.0        | GGGG                  |                     |                      | 131                     | 27                     |
| 2444-02010        | 00000/0000                                     | 2-20022/1535 | 04/10/76         | 70          | 6182            | 4604N                              | 12049E                              | 44.4         | 137.5        | GGGG                  |                     |                      | 131                     | 28                     |
| 2444-02012        | 00000/0000                                     | 2-20022/1536 | 04/10/76         | 20          | 6182            | 4440N                              | 12015E                              | 45.2         | 135.9        | GGGG                  |                     |                      | 131                     | 29                     |
| 2444-02015        | 00000/0000                                     | 2-20022/1537 | 04/10/76         | 0           | 6182            | 4315N                              | 11942E                              | 46.0         | 134.4        | GGGG                  |                     |                      | 131                     | 30                     |
| 2444-02021        | 00000/0000                                     | 2-20022/1538 | 04/10/76         | 10          | 6182            | 4148N                              | 11911E                              | 46.7         | 132.8        | GGGG                  |                     |                      | 131                     | 31                     |
| 2444-02024        | 00000/0000                                     | 2-20022/1539 | 04/10/76         | 20          | 6182            | 4023N                              | 11840E                              | 47.4         | 131.2        | GGGG                  |                     |                      | 131                     | 32                     |
| 2444-02030        | 00000/0000                                     | 2-20022/1540 | 04/10/76         | 10          | 6182            | 3858N                              | 11810E                              | 48.1         | 129.5        | GGGG                  |                     |                      | 131                     | 33                     |
| 2444-02033        | 00000/0000                                     | 2-20022/1541 | 04/10/76         | 20          | 6182            | 3732N                              | 11742E                              | 48.8         | 127.8        | FGGG                  |                     |                      | 131                     | 34                     |
| 2444-02035        | 00000/0000                                     | 2-20022/1542 | 04/10/76         | 10          | 6182            | 3606N                              | 11715E                              | 49.4         | 126.1        | GGGG                  |                     |                      | 131                     | 35                     |
| 2444-02042        | 00000/0000                                     | 2-20022/1543 | 04/10/76         | 10          | 6182            | 3440N                              | 11648E                              | 50.0         | 124.3        | GGGG                  |                     |                      | 131                     | 36                     |
| 2444-02044        | 00000/0000                                     | 2-20022/1544 | 04/10/76         | 30          | 6182            | 3314N                              | 11622E                              | 50.6         | 122.5        | GGGG                  |                     |                      | 131                     | 37                     |
| 2444-02051        | 00000/0000                                     | 2-20022/1545 | 04/10/76         | 60          | 6182            | 3148N                              | 11556E                              | 51.1         | 120.7        | GGGG                  |                     |                      | 131                     | 38                     |
| 2444-02053        | 00000/0000                                     | 2-20022/1546 | 04/10/76         | 90          | 6182            | 3021N                              | 11532E                              | 51.6         | 118.8        | GGGG                  |                     |                      | 131                     | 39                     |
| 2444-02060        | 00000/0000                                     | 2-20022/1547 | 04/10/76         | 100         | 6182            | 2854N                              | 11508E                              | 52.0         | 116.8        | GGGG                  |                     |                      | 131                     | 40                     |
| 2444-02062        | 00000/0000                                     | 2-20022/1548 | 04/10/76         | 100         | 6182            | 2728N                              | 114.5E                              | 52.4         | 114.9        | GGGG                  |                     |                      | 131                     | 41                     |
| 2444-02065        | 00000/0000                                     | 2-20022/1549 | 04/10/76         | 100         | 6182            | 2602N                              | 11422E                              | 52.8         | 112.9        | GGGG                  |                     |                      | 131                     | 42                     |
| 2444-02071        | 00000/0000                                     | 2-20022/1550 | 04/10/76         | 100         | 6182            | 2436N                              | 11359E                              | 53.1         | 110.9        | GGGG                  |                     |                      | 131                     | 43                     |
| 2444-02074        | 00000/0000                                     | 2-20022/1551 | 04/10/76         | 100         | 6182            | 2310N                              | 11336E                              | 53.3         | 108.8        | GGGG                  |                     |                      | 131                     | 44                     |
| 2444-02160        | 00000/0000                                     | 2-20022/1552 | 04/10/76         | 60          | 6182            | 0544S                              | 10644E                              | 48.2         | 71.2         | GGGG                  |                     |                      | 131                     | 64                     |
| 2444-02162        | 00000/0000                                     | 2-20022/1553 | 04/10/76         | 40          | 6182            | 0711S                              | 10624E                              | 47.5         | 69.8         | GGGG                  |                     |                      | 131                     | 65                     |
| 2444-03414        | 00000/0000                                     | 2-20022/1894 | 04/10/76         | 10          | 6183            | 5423N                              | 09873E                              | 39.0         | 146.3        | GGGG                  |                     |                      | 149                     | 22                     |
| 2444-03450        | 00000/0000                                     | 2-20022/1895 | 04/10/76         | 10          | 6183            | 4313N                              | 09353E                              | 46.0         | 134.4        | GGGG                  |                     |                      | 149                     | 30                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBY | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>POINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|----------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2444-03494        | 00000/0000                   | 2-20022/1896                | 04/10/76         | 20             | 6183                   | 2728N                        | 08R54E                     | 52.5         | 114.8        | GGGG                               |                     |                      | 149                     | 41                     |
| 2444-03500        | 00000/0000                   | 2-20022/1897                | 04/10/76         | 10             | 6183                   | 2602N                        | 08R31E                     | 52.8         | 112.9        | GGGG                               |                     |                      | 149                     | 42                     |
| 2444-03535        | 00000/0000                   | 2-20022/1898                | 04/10/76         | 20             | 6183                   | 1301N                        | 08517E                     | 53.7         | 94.3         | GGGG                               |                     |                      | 149                     | 51                     |
| 2444-03541        | 00000/0000                   | 2-20022/1899                | 04/10/76         | 20             | 6183                   | 1135N                        | 08457E                     | 53.6         | 92.3         | GGFF                               |                     |                      | 149                     | 52                     |
| 2444-03544        | 00000/0000                   | 2-20022/1900                | 04/10/76         | 20             | 6183                   | 1009N                        | 08436E                     | 53.4         | 90.3         | GGFG                               |                     |                      | 149                     | 53                     |
| 2444-03550        | 00000/0000                   | 2-20022/1901                | 04/10/76         | 20             | 6183                   | 0842N                        | 08416E                     | 53.1         | 88.3         | GGGG                               |                     |                      | 149                     | 54                     |
| 2444-03553        | 00000/0000                   | 2-20022/1902                | 04/10/76         | 30             | 6183                   | 0715N                        | 08355E                     | 52.8         | 86.4         | GGGG                               |                     |                      | 149                     | 55                     |
| 2444-03555        | 00000/0000                   | 2-20022/1903                | 04/10/76         | 30             | 6183                   | 0549N                        | 08335E                     | 52.5         | 84.5         | GGFG                               |                     |                      | 149                     | 56                     |
| 2444-03562        | 00000/0000                   | 2-20022/1904                | 04/10/76         | 30             | 6183                   | 0422N                        | 08315E                     | 52.1         | 82.6         | GGGF                               |                     |                      | 149                     | 57                     |
| 2444-05234        | 00000/0000                   | 2-20024/0001                | 04/10/76         | 10             | 6184                   | 5846N                        | 07541E                     | 36.1         | 150.7        | GGGG                               |                     |                      | 167                     | 19                     |
| 2444-05241        | 00000/0000                   | 2-20024/0002                | 04/10/76         | 10             | 6184                   | 5723N                        | 07447E                     | 37.1         | 149.2        | GGGG                               |                     |                      | 167                     | 20                     |
| 2444-05243        | 00000/0000                   | 2-20024/0003                | 04/10/76         | 10             | 6184                   | 5559N                        | 07357E                     | 38.1         | 147.8        | GGFG                               |                     |                      | 167                     | 21                     |
| 2444-05250        | 00000/0000                   | 2-20024/0004                | 04/10/76         | 10             | 6184                   | 5435N                        | 07309E                     | 39.0         | 146.3        | GGGG                               |                     |                      | 167                     | 22                     |
| 2444-05252        | 00000/0000                   | 2-20024/0005                | 04/10/76         | 10             | 6184                   | 5310N                        | 07224E                     | 40.0         | 144.9        | GGGG                               |                     |                      | 167                     | 23                     |
| 2444-05255        | 00000/0000                   | 2-20022/1793                | 04/10/76         | 10             | 6184                   | 5146N                        | 07142E                     | 40.9         | 143.4        | GGFG                               |                     |                      | 167                     | 24                     |
| 2444-05261        | 00000/0000                   | 2-20022/1803                | 04/10/76         | 10             | 6184                   | 5021N                        | 07102E                     | 41.8         | 142.0        | GGGG                               |                     |                      | 167                     | 25                     |
| 2444-05291        | 00000/0000                   | 2-20022/1804                | 04/10/76         | 80             | 6184                   | 4025N                        | 06702E                     | 47.5         | 131.2        | GGGG                               |                     |                      | 167                     | 32                     |
| 2444-05293        | 00000/0000                   | 2-20022/1805                | 04/10/76         | 30             | 6184                   | 3859N                        | 06632E                     | 48.2         | 129.5        | FGGG                               |                     |                      | 167                     | 33                     |
| 2444-05300        | 00000/0000                   | 2-20022/1806                | 04/10/76         | 20             | 6184                   | 3733N                        | 06404E                     | 48.8         | 127.8        | GGGG                               |                     |                      | 167                     | 34                     |
| 2444-05323        | 00000/0000                   | 2-20022/1821                | 04/10/76         | 0              | 6184                   | 2857N                        | 06330E                     | 52.1         | 116.9        | PGGG                               |                     |                      | 167                     | 40                     |
| 2444-05325        | 00000/0000                   | 2-20022/1822                | 04/10/76         | 0              | 6184                   | 2731N                        | 06307E                     | 52.5         | 114.9        | FGGG                               |                     |                      | 167                     | 41                     |
| 2444-05332        | 00000/0000                   | 2-20022/1823                | 04/10/76         | 10             | 6184                   | 2605N                        | 06243E                     | 52.8         | 112.9        | PGGG                               |                     |                      | 167                     | 42                     |
| 2444-05595        | 00000/0000                   | 2-20022/1824                | 04/10/76         | 0              | 6185                   | 7935N                        | 09526E                     | 17.8         | 201.2        | GGGG                               |                     |                      | 184                     | 2                      |
| 2444-07063        | 00000/0000                   | 2-20022/1825                | 04/10/76         | 100            | 6185                   | 6009N                        | 05054E                     | 35.2         | 152.2        | GGGG                               |                     |                      | 185                     | 18                     |
| 2444-07070        | 00000/0000                   | 2-20022/1826                | 04/10/76         | 60             | 6185                   | 5846N                        | 04955E                     | 36.2         | 150.7        | GGGG                               |                     |                      | 185                     | 19                     |
| 2444-07072        | 00000/0000                   | 2-20022/1827                | 04/10/76         | 10             | 6185                   | 5723N                        | 04900E                     | 37.1         | 149.2        | GGGG                               |                     |                      | 185                     | 20                     |
| 2444-07075        | 00000/0000                   | 2-20022/1828                | 04/10/76         | 0              | 6185                   | 5559N                        | 04809E                     | 38.1         | 147.7        | GGGG                               |                     |                      | 185                     | 21                     |
| 2444-07081        | 00000/0000                   | 2-20022/1829                | 04/10/76         | 0              | 6185                   | 5435N                        | 04721E                     | 39.1         | 146.3        | GGGG                               |                     |                      | 185                     | 22                     |
| 2444-07084        | 00000/0000                   | 2-20022/1830                | 04/10/76         | 0              | 6185                   | 5311N                        | 04636E                     | 40.0         | 144.8        | GGGG                               |                     |                      | 185                     | 23                     |
| 2444-07090        | 00000/0000                   | 2-20022/1831                | 04/10/76         | 10             | 6185                   | 5146N                        | 04554E                     | 40.9         | 143.4        | GGGG                               |                     |                      | 185                     | 24                     |
| 2444-07093        | 00000/0000                   | 2-20022/1832                | 04/10/76         | 60             | 6185                   | 5022N                        | 04513E                     | 41.8         | 141.9        | GGGG                               |                     |                      | 185                     | 25                     |
| 2444-07095        | 00000/0000                   | 2-20022/1859                | 04/10/76         | 40             | 6185                   | 4857N                        | 04435E                     | 42.7         | 140.5        | GGGG                               |                     |                      | 185                     | 26                     |
| 2444-07102        | 00000/0000                   | 2-20022/1860                | 04/10/76         | 20             | 6185                   | 4731N                        | 04358E                     | 43.6         | 139.0        | G GG                               |                     |                      | 185                     | 27                     |
| 2444-07104        | 00000/0000                   | 2-20022/1861                | 04/10/76         | 30             | 6185                   | 4606N                        | 04323E                     | 44.4         | 137.5        | FGGG                               |                     |                      | 185                     | 28                     |
| 2444-07111        | 00000/0000                   | 2-20022/1862                | 04/10/76         | 50             | 6185                   | 4441N                        | 04249E                     | 45.2         | 136.0        | FGGG                               |                     |                      | 185                     | 29                     |
| 2444-07113        | 00000/0000                   | 2-20022/1863                | 04/10/76         | 50             | 6185                   | 4316N                        | 04216E                     | 46.0         | 134.4        | GGGG                               |                     |                      | 185                     | 30                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2444-07120        | 00000/0000                   | 2-20022/1864                | 04/10/76         | 30             | 6185            | 4151N                              | 04145E                              | 46.8         | 132.8        | FGGG                               |                     |                      | 185                     | 31                     |
| 2444-08431        | 00000/0000                   | 2-20022/1865                | 04/10/76         | 100            | 6186            | 6535N                              | 02949E                              | 31.1         | 158.8        | GFFG                               |                     |                      | 203                     | 14                     |
| 2444-08483        | 00000/0000                   | 2-20022/1866                | 04/10/76         | 100            | 6186            | 6414N                              | 02828E                              | 32.1         | 157.0        | GGGG                               |                     |                      | 203                     | 15                     |
| 2444-08490        | 00000/0000                   | 2-20022/1867                | 04/10/76         | 100            | 6186            | 6252N                              | 02713E                              | 33.1         | 155.4        | GGGG                               |                     |                      | 203                     | 16                     |
| 2444-08492        | 00000/0000                   | 2-20022/1868                | 04/10/76         | 100            | 6186            | 6130N                              | 02605E                              | 34.2         | 153.8        | GGGG                               |                     |                      | 203                     | 17                     |
| 2444-08495        | 00000/0000                   | 2-20022/1869                | 04/10/76         | 90             | 6186            | 6008N                              | 02502E                              | 35.2         | 152.2        | GGGG                               |                     |                      | 203                     | 18                     |
| 2444-08501        | 00000/0000                   | 2-20022/1870                | 04/10/76         | 80             | 6186            | 5845N                              | 02403E                              | 36.2         | 150.7        | GGGG                               |                     |                      | 203                     | 19                     |
| 2444-08504        | 00000/0000                   | 2-20022/1871                | 04/10/76         | 60             | 6186            | 5722N                              | 02309E                              | 37.2         | 149.2        | GFGG                               |                     |                      | 203                     | 20                     |
| 2444-08510        | 00000/0000                   | 2-20022/1872                | 04/10/76         | 40             | 6186            | 5558N                              | 02218E                              | 38.1         | 147.7        | GGGG                               |                     |                      | 203                     | 21                     |
| 2444-09001        | 00000/0000                   | 2-20022/1873                | 04/10/76         | 0              | 6186            | 5438N                              | 01042E                              | 53.2         | 110.8        | GGGF                               |                     |                      | 203                     | 43                     |
| 2444-09004        | 00000/0000                   | 2-20022/1874                | 04/10/76         | 0              | 6186            | 5311N                              | 01019E                              | 53.4         | 108.8        | GFGG                               |                     |                      | 203                     | 44                     |
| 2444-09010        | 00000/0000                   | 2-20022/1748                | 04/10/76         | 0              | 6186            | 2145N                              | 00957E                              | 53.6         | 106.7        | GGGG                               |                     |                      | 203                     | 45                     |
| 2444-09013        | 00000/0000                   | 2-20022/1749                | 04/10/76         | 0              | 6186            | 2019N                              | 00935E                              | 53.8         | 104.6        | GGGG                               |                     |                      | 203                     | 46                     |
| 2444-09015        | 00000/0000                   | 2-20022/1750                | 04/10/76         | 0              | 6186            | 1853N                              | 00914E                              | 53.9         | 102.5        | GGGG                               |                     |                      | 203                     | 47                     |
| 2444-09022        | 00000/0000                   | 2-20022/1751                | 04/10/76         | 0              | 6186            | 1726N                              | 00853E                              | 53.9         | 100.4        | GGGG                               |                     |                      | 203                     | 48                     |
| 2444-09024        | 00000/0000                   | 2-20022/1752                | 04/10/76         | 0              | 6186            | 1558N                              | 00831E                              | 53.9         | 98.4         | FFFF                               |                     |                      | 203                     | 49                     |
| 2444-09031        | 00000/0000                   | 2-20022/1753                | 04/10/76         | 10             | 6186            | 1432N                              | 00811E                              | 53.9         | 96.3         | GGGG                               |                     |                      | 203                     | 50                     |
| 2444-09033        | 00000/0000                   | 2-20022/1754                | 04/10/76         | 10             | 6186            | 1306N                              | 00750E                              | 53.8         | 94.2         | GGGG                               |                     |                      | 203                     | 51                     |
| 2444-09040        | 00000/0000                   | 2-20022/1755                | 04/10/76         | 10             | 6186            | 1139N                              | 00729E                              | 53.6         | 92.2         | GGGG                               |                     |                      | 203                     | 52                     |
| 2444-09042        | 00000/0000                   | 2-20022/1756                | 04/10/76         | 20             | 6186            | 1012N                              | 00708E                              | 53.4         | 90.2         | GGGG                               |                     |                      | 203                     | 53                     |
| 2444-09045        | 00000/0000                   | 2-20022/1757                | 04/10/76         | 70             | 6186            | 0845N                              | 00648E                              | 53.2         | 88.2         | GGGG                               |                     |                      | 203                     | 54                     |
| 2444-09051        | 00000/0000                   | 2-20022/1758                | 04/10/76         | 80             | 6186            | 0718N                              | 00628E                              | 52.9         | 86.3         | GFGG                               |                     |                      | 203                     | 55                     |
| 2444-09054        | 00000/0000                   | 2-20022/1759                | 04/10/76         | 90             | 6186            | 0551N                              | 00608E                              | 52.5         | 84.4         | GGGG                               |                     |                      | 203                     | 56                     |
| 2444-09060        | 00000/0000                   | 2-20022/1760                | 04/10/76         | 50             | 6186            | 0424N                              | 00549E                              | 52.1         | 82.5         | GGGG                               |                     |                      | 203                     | 57                     |
| 2444-10445        | 00000/0000                   | 2-20022/1761                | 04/10/76         | 20             | 6187            | 2017N                              | 01611W                              | 53.8         | 104.6        | GGGG                               |                     |                      | 221                     | 46                     |
| 2444-10451        | 00000/0000                   | 2-20022/1762                | 04/10/76         | 10             | 6187            | 1851N                              | 01633W                              | 53.9         | 102.5        | GGGG                               |                     |                      | 221                     | 47                     |
| 2444-14005        | 00000/0000                   | 2-20022/1764                | 04/10/76         | 0              | 6189            | 5556N                              | 05509W                              | 38.2         | 147.7        | GG                                 |                     |                      | 6                       | 21                     |
| 2444-14012        | 00000/0000                   | 2-20022/1747                | 04/10/76         | 0              | 6189            | 5432N                              | 05557W                              | 39.2         | 146.2        | FGGG                               |                     |                      | 6                       | 22                     |
| 2444-15455        | 00000/0000                   | 2-20022/1763                | 04/10/76         | 100            | 6190            | 5019N                              | 08352W                              | 42.0         | 141.9        | GGGG                               |                     |                      | 24                      | 25                     |
| 2444-20454        | 00000/0000                   | 2-20022/1875                | 04/10/76         | 20             | 6193            | 8016N                              | 10348W                              | 16.9         | 208.8        | F FG                               |                     |                      | 64                      | 248                    |
| 2444-20460        | 00000/0000                   | 2-20022/1876                | 04/10/76         | 30             | 6193            | 7936N                              | 11117W                              | 18.0         | 201.3        | G GG                               |                     |                      | 77                      | 2                      |
| 2444-20463        | 00000/0000                   | 2-20022/1877                | 04/10/76         | 30             | 6193            | 7847N                              | 11747W                              | 19.1         | 194.7        | GGGG                               |                     |                      | 77                      | 3                      |
| 2444-20465        | 00000/0000                   | 2-20022/1878                | 04/10/76         | 40             | 6193            | 7751N                              | 12322W                              | 20.3         | 189.0        | GGGG                               |                     |                      | 77                      | 4                      |
| 2444-20472        | 00000/0000                   | 2-20022/1879                | 04/10/76         | 40             | 6193            | 7650N                              | 12808W                              | 21.4         | 184.0        | GGGG                               |                     |                      | 78                      | 5                      |
| 2444-20474        | 00000/0000                   | 2-20022/1880                | 04/10/76         | 30             | 6193            | 7544N                              | 13213W                              | 22.5         | 179.8        | GGGG                               |                     |                      | 78                      | 6                      |
| 2444-20481        | 00000/0000                   | 2-20022/1881                | 04/10/76         | 30             | 6193            | 7434N                              | 13545W                              | 23.6         | 176.0        | GGGG                               |                     |                      | 78                      | 7                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RRV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RRV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2444-20483        | 00000/0000                                     | 2-20022/1882     | 04/10/76       | 20              | 6193 7322N                              | 13A47W       | 24.7 172.8   | GGGG                  |                     |                      |                         |                        |
| 2444-20490        | 00000/0000                                     | 2-20022/1883     | 04/10/76       | 10              | 6193 7208N                              | 14126W       | 25.8 169.8   | FGGG                  |                     |                      | 78                      | 8                      |
| 2445-02052        | 00000/0000                                     | 2-20022/1638     | 04/11/76       | 0               | 6196 5021N                              | 12113E       | 42.1 141.8   | GGGG                  |                     |                      | 78                      | 9                      |
| 2445-02055        | 00000/0000                                     | 2-20022/1639     | 04/11/76       | 10              | 6196 4857N                              | 12035E       | 43.0 140.4   | GGGG                  |                     |                      | 132                     | 25                     |
| 2445-02061        | 00000/0000                                     | 2-20022/1640     | 04/11/76       | 10              | 6196 4731N                              | 11958E       | 43.9 138.9   | GGG                   |                     |                      | 132                     | 26                     |
| 2445-02064        | 00000/0000                                     | 2-20022/1641     | 04/11/76       | 10              | 6196 4606N                              | 11922E       | 44.7 137.3   | GGG                   |                     |                      | 132                     | 27                     |
| 2445-02070        | 00000/0000                                     | 2-20022/1642     | 04/11/76       | 10              | 6196 4442N                              | 11849E       | 45.5 135.8   | FGGG                  |                     |                      | 132                     | 28                     |
| 2445-02073        | 00000/0000                                     | 2-20022/1643     | 04/11/76       | 50              | 6196 4316N                              | 11816E       | 46.3 134.2   | FGG                   |                     |                      | 132                     | 29                     |
| 2445-02075        | 00000/0000                                     | 2-20022/1644     | 04/11/76       | 40              | 6196 4151N                              | 11744E       | 47.0 132.6   | GGGG                  |                     |                      | 132                     | 30                     |
| 2445-02082        | 00000/0000                                     | 2-20022/1645     | 04/11/76       | 10              | 6196 4025N                              | 11713E       | 47.8 131.0   | GGGG                  |                     |                      | 132                     | 31                     |
| 2445-02091        | 00000/0000                                     | 2-20022/1646     | 04/11/76       | 10              | 6196 3734N                              | 11616E       | 49.1 127.6   | FGGG                  |                     |                      | 132                     | 32                     |
| 2445-02093        | 00000/0000                                     | 2-20022/1647     | 04/11/76       | 20              | 6196 3608N                              | 11549E       | 49.8 125.8   | GGGG                  |                     |                      | 132                     | 33                     |
| 2445-02100        | 00000/0000                                     | 2-20022/1648     | 04/11/76       | 30              | 6196 3442N                              | 11522E       | 50.3 124.0   | GGGF                  |                     |                      | 132                     | 34                     |
| 2445-02102        | 00000/0000                                     | 2-20022/1649     | 04/11/76       | 30              | 6196 3315N                              | 11456E       | 50.9 122.2   | GGGG                  |                     |                      | 132                     | 35                     |
| 2445-02105        | 00000/0000                                     | 2-20022/1650     | 04/11/76       | 80              | 6196 3149N                              | 11431E       | 51.4 120.3   | GGGG                  |                     |                      | 132                     | 36                     |
| 2445-02111        | 00000/0000                                     | 2-20022/1651     | 04/11/76       | 60              | 6196 3023N                              | 11406E       | 51.9 118.4   | GGG                   |                     |                      | 132                     | 37                     |
| 2445-02114        | 00000/0000                                     | 2-20022/1652     | 04/11/76       | 90              | 6196 2856N                              | 11342E       | 52.3 116.5   | FFF                   |                     |                      | 132                     | 38                     |
| 2445-02120        | 00000/0000                                     | 2-20022/1653     | 04/11/76       | 90              | 6196 2730N                              | 11318E       | 52.7 114.5   | GGF                   |                     |                      | 132                     | 39                     |
| 2445-02123        | 00000/0000                                     | 2-20022/1654     | 04/11/76       | 30              | 6196 2603N                              | 11255E       | 53.0 112.5   | GGFG                  |                     |                      | 132                     | 40                     |
| 2445-02132        | 00000/0000                                     | 2-20022/1655     | 04/11/76       | 90              | 6196 2311N                              | 11210E       | 53.6 108.4   | FGGF                  |                     |                      | 132                     | 41                     |
| 2445-02134        | 00000/0000                                     | 2-20022/1656     | 04/11/76       | 90              | 6196 2144N                              | 11148E       | 53.8 106.3   | FGGG                  |                     |                      | 132                     | 42                     |
| 2445-03504        | 00000/0000                                     | 2-20022/1773     | 04/11/76       | 30              | 6197 4314N                              | 09225E       | 46.3 134.2   | GGGG                  |                     |                      | 150                     | 44                     |
| 2445-03552        | 00000/0000                                     | 2-20022/1774     | 04/11/76       | 10              | 6197 2728N                              | 08728E       | 52.7 114.4   | GGGG                  |                     |                      | 150                     | 45                     |
| 2445-03554        | 00000/0000                                     | 2-20022/1775     | 04/11/76       | 10              | 6197 2602N                              | 08705E       | 53.1 112.4   | FGGG                  |                     |                      | 150                     | 46                     |
| 2445-03581        | 00000/0000                                     | 2-20022/1776     | 04/11/76       | 30              | 6197 1723N                              | 08453E       | 54.1 100.0   | GGGG                  |                     |                      | 150                     | 47                     |
| 2445-03584        | 00000/0000                                     | 2-20022/1657     | 04/11/76       | 20              | 6197 1557N                              | 08432E       | 54.0 97.9    | GGGG                  |                     |                      | 150                     | 48                     |
| 2445-03590        | 00000/0000                                     | 2-20022/1658     | 04/11/76       | 10              | 6197 1430N                              | 08411E       | 54.0 95.8    | GGGG                  |                     |                      | 150                     | 49                     |
| 2445-04004        | 00000/0000                                     | 2-20022/1659     | 04/11/76       | 20              | 6197 0844N                              | 08248E       | 53.2 87.7    | GGGG                  |                     |                      | 150                     | 50                     |
| 2445-04011        | 00000/0000                                     | 2-20022/1660     | 04/11/76       | 20              | 6197 0718N                              | 08228E       | 52.9 85.8    | GGGG                  |                     |                      | 150                     | 51                     |
| 2445-04013        | 00000/0000                                     | 2-20022/1661     | 04/11/76       | 20              | 6197 0550N                              | 08208E       | 52.6 83.9    | FGGG                  |                     |                      | 150                     | 52                     |
| 2445-04020        | 00000/0000                                     | 2-20022/1662     | 04/11/76       | 70              | 6197 0423N                              | 08148E       | 52.1 82.0    | GGGG                  |                     |                      | 150                     | 53                     |
| 2445-05304        | 00000/0000                                     | 2-20022/1663     | 04/11/76       | 10              | 6198 5433N                              | 07143E       | 39.4 146.2   | GGFG                  |                     |                      | 168                     | 54                     |
| 2445-05311        | 00000/0000                                     | 2-20022/1664     | 04/11/76       | 30              | 6198 5379N                              | 07058E       | 40.4 144.7   | GGF                   |                     |                      | 168                     | 55                     |
| 2445-05313        | 00000/0000                                     | 2-20022/1665     | 04/11/76       | 10              | 6198 5145N                              | 07016E       | 41.3 143.3   | GGFG                  |                     |                      | 168                     | 56                     |
| 2445-05320        | 00000/0000                                     | 2-20022/1666     | 04/11/76       | 10              | 6198 5021N                              | 06935E       | 42.2 141.8   | GG F                  |                     |                      | 168                     | 57                     |
| 2445-05322        | 00000/0000                                     | 2-20022/1667     | 04/11/76       | 30              | 6198 4855N                              | 06856E       | 43.1 140.3   | GG P                  |                     |                      | 168                     | 58                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | LONG  | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2445-05343        | 00000/0000                                     | 2-20022/1668     | 04/11/76       | 60              | 6198                               | 4149N | 06607E       | 47.1         | 132.6             | GGGG                |                      | 168                     | 31                     |
| 2445-05345        | 00000/0000                                     | 2-20022/1669     | 04/11/76       | 70              | 6198                               | 4024N | 06537E       | 47.8         | 130.9             | GGGG                |                      | 168                     | 32                     |
| 2445-05352        | 00000/0000                                     | 2-20022/1670     | 04/11/76       | 40              | 6198                               | 3858N | 06507E       | 48.5         | 129.2             | GGGG                |                      | 168                     | 33                     |
| 2445-05354        | 00000/0000                                     | 2-20022/1671     | 04/11/76       | 10              | 6198                               | 3732N | 06439E       | 49.2         | 127.5             | GGGG                |                      | 168                     | 34                     |
| 2445-05372        | 00000/0000                                     | 2-20022/1672     | 04/11/76       | 0               | 6198                               | 3148N | 06253E       | 51.5         | 120.3             | GGGG                |                      | 168                     | 35                     |
| 2445-05375        | 00000/0000                                     | 2-20022/1673     | 04/11/76       | 0               | 6198                               | 3022N | 06229E       | 51.9         | 118.3             | GGGG                |                      | 168                     | 36                     |
| 2445-07095        | 00000/0000                                     | 2-20022/1777     | 04/11/76       | 20              | 6199                               | 6815N | 05723E       | 29.3         | 162.7             | GGGG                |                      | 168                     | 37                     |
| 2445-07101        | 00000/0000                                     | 2-20022/1778     | 04/11/76       | 10              | 6199                               | 6655N | 05544E       | 30.4         | 160.6             | GGGG                |                      | 186                     | 12                     |
| 2445-07140        | 00000/0000                                     | 2-20022/1779     | 04/11/76       | 70              | 6199                               | 5433N | 04555E       | 39.5         | 146.2             | GGGG                |                      | 186                     | 13                     |
| 2445-07142        | 00000/0000                                     | 2-20022/1780     | 04/11/76       | 10              | 6199                               | 5309N | 04510E       | 40.4         | 144.7             | GGGG                |                      | 186                     | 22                     |
| 2445-07145        | 00000/0000                                     | 2-20022/1781     | 04/11/76       | 17              | 6199                               | 5144N | 04427E       | 41.3         | 143.3             | GGGG                |                      | 186                     | 23                     |
| 2445-07163        | 00000/0000                                     | 2-20022/1782     | 04/11/76       | 60              | 6199                               | 4604N | 04156E       | 44.8         | 137.3             | GGGG                |                      | 186                     | 24                     |
| 2445-07165        | 00000/0000                                     | 2-20022/1783     | 04/11/76       | 60              | 6199                               | 4438N | 04122E       | 45.6         | 135.7             | GGGG                |                      | 186                     | 25                     |
| 2445-09062        | 00000/0000                                     | 2-20022/1833     | 04/11/76       | 20              | 6200                               | 2310N | 00454E       | 53.6         | 108.2             | GGGG                |                      | 204                     | 44                     |
| 2445-09065        | 00000/0000                                     | 2-20022/1834     | 04/11/76       | 10              | 6200                               | 2143N | 00432E       | 53.8         | 106.1             | GGGG                |                      | 204                     | 45                     |
| 2445-09071        | 00000/0000                                     | 2-20022/1835     | 04/11/76       | 10              | 6200                               | 2017N | 00411E       | 54.0         | 104.0             | GGGG                |                      | 204                     | 46                     |
| 2445-09074        | 00000/0000                                     | 2-20022/1836     | 04/11/76       | 0               | 6200                               | 1850N | 00749E       | 54.1         | 101.9             | GGGG                |                      | 204                     | 47                     |
| 2445-09080        | 00000/0000                                     | 2-20022/1837     | 04/11/76       | 0               | 6200                               | 1723N | 00727E       | 54.1         | 99.8              | GGGG                |                      | 204                     | 48                     |
| 2445-09083        | 00000/0000                                     | 2-20022/1838     | 04/11/76       | 7               | 6200                               | 1556N | 00705E       | 54.1         | 97.7              | GGGG                |                      | 204                     | 49                     |
| 2445-09085        | 00000/0000                                     | 2-20022/0014     | 04/11/76       | 10              | 6200                               | 1429N | 00644E       | 54.0         | 95.7              | GGGG                |                      | 204                     | 50                     |
| 2445-09092        | 00000/0000                                     | 2-20022/0015     | 04/11/76       | 10              | 6200                               | 1302N | 00623E       | 53.9         | 93.6              | GGGG                |                      | 204                     | 51                     |
| 2445-10494        | 00000/0000                                     | 2-20022/0016     | 04/11/76       | 20              | 6201                               | 2312N | 01653W       | 53.6         | 108.2             | GGGG                |                      | 222                     | 44                     |
| 2445-10500        | 00000/0000                                     | 2-20022/0017     | 04/11/76       | 60              | 6201                               | 2145N | 01714W       | 53.8         | 106.2             | GGGG                |                      | 222                     | 45                     |
| 2445-10503        | 00000/0000                                     | 2-20022/0018     | 04/11/76       | 90              | 6201                               | 2018N | 01736W       | 54.0         | 104.1             | GGGG                |                      | 222                     | 46                     |
| 2445-10505        | 00000/0000                                     | 2-20022/0019     | 04/11/76       | 90              | 6201                               | 1852N | 01758W       | 54.1         | 102.0             | GGGG                |                      | 222                     | 47                     |
| 2445-14002        | 00000/0000                                     | 2-20022/0020     | 04/11/76       | 10              | 6203                               | 7544N | 03026W       | 22.8         | 179.8             | GGGG                |                      | 7                       | 6                      |
| 2445-14061        | 00000/0000                                     | 2-20022/0001     | 04/11/76       | 90              | 6203                               | 5722N | 05542W       | 37.6         | 149.1             | GGGG                |                      | 7                       | 20                     |
| 2445-14063        | 00000/0000                                     | 2-20022/0002     | 04/11/76       | 90              | 6203                               | 5559N | 05632W       | 38.6         | 147.7             | GGGG                |                      | 7                       | 21                     |
| 2445-14070        | 00000/0000                                     | 2-20022/0003     | 04/11/76       | 90              | 6203                               | 5434N | 05721W       | 39.5         | 146.2             | GGGG                |                      | 7                       | 22                     |
| 2445-14163        | 00000/0000                                     | 2-20022/0021     | 04/11/76       | 70              | 6203                               | 2144N | 06455W       | 53.9         | 106.1             | GGGG                |                      | 7                       | 45                     |
| 2445-14170        | 00000/0000                                     | 2-20022/0022     | 04/11/76       | 90              | 6203                               | 2018N | 06917W       | 54.0         | 104.0             | GGGG                |                      | 7                       | 46                     |
| 2445-14254        | 00000/0000                                     | 2-20022/0023     | 04/11/76       | 10              | 6203                               | 1003S | 07423W       | 45.9         | 66.5              | GGGG                |                      | 7                       | 67                     |
| 2445-15513        | 00000/0000                                     | 2-20022/0004     | 04/11/76       | 0               | 6204                               | 5021N | 08519W       | 42.3         | 141.8             | GGGG                |                      | 25                      | 25                     |
| 2445-16004        | 00000/0000                                     | 2-20022/0024     | 04/11/76       | 10              | 6204                               | 1852N | 09526W       | 54.1         | 101.8             | GGGG                |                      | 25                      | 47                     |
| 2445-17342        | 00000/0000                                     | 2-20022/0050     | 04/11/76       | 0               | 6205                               | 5146N | 11027W       | 41.5         | 143.2             | GGGG                |                      | 43                      | 24                     |
| 2445-17345        | 00000/0000                                     | 2-20022/0051     | 04/11/76       | 0               | 6205                               | 5021N | 11108W       | 42.3         | 141.8             | GGGG                |                      | 43                      | 25                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LBN GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>REV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SAT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------|------------------------------|-------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|------------------------|
| 2445-20514        | 00000/0000                   | 2-20023/0005                | 04/11/76         | 0              | 6207          | 7935N                        | 11747W                        | 18.4         | 201.2        | 0000                  |                     |                      | 78                    | 2                      |
| 2445-20521        | 00000/0000                   | 2-20023/0006                | 04/11/76         | 0              | 6207          | 7846N                        | 11916W                        | 19.5         | 194.7        | 0000                  |                     |                      | 78                    | 3                      |
| 2445-20523        | 00000/0000                   | 2-20023/0007                | 04/11/76         | 0              | 6207          | 7750N                        | 12452W                        | 20.7         | 189.0        | 0000                  |                     |                      | 78                    | 4                      |
| 2445-20530        | 00000/0000                   | 2-20023/0008                | 04/11/76         | 0              | 6207          | 7648N                        | 12937W                        | 21.8         | 184.0        | 0000                  |                     |                      | 79                    | 5                      |
| 2445-20532        | 00000/0000                   | 2-20023/0009                | 04/11/76         | 10             | 6207          | 7543N                        | 13342W                        | 22.9         | 179.8        | 0000                  |                     |                      | 79                    | 6                      |
| 2445-20535        | 00000/0000                   | 2-20023/0010                | 04/11/76         | 10             | 6207          | 7433N                        | 13713W                        | 24.0         | 176.0        | 0000                  |                     |                      | 79                    | 7                      |
| 2445-20541        | 00000/0000                   | 2-20023/0011                | 04/11/76         | 10             | 6207          | 7321N                        | 14016W                        | 25.1         | 172.7        | 0000                  |                     |                      | 79                    | 8                      |
| 2445-20544        | 00000/0000                   | 2-20023/0012                | 04/11/76         | 10             | 6207          | 7207N                        | 14256W                        | 26.2         | 169.8        | 0000                  |                     |                      | 79                    | 9                      |
| 2446-02131        | 00000/0000                   | 2-20023/0025                | 04/12/76         | 90             | 6210          | 4317N                        | 11649E                        | 46.6         | 134.0        | 0000                  |                     |                      | 133                   | 30                     |
| 2446-02134        | 00000/0000                   | 2-20023/0026                | 04/12/76         | 90             | 6210          | 4152N                        | 11618E                        | 47.4         | 132.4        | 0000                  |                     |                      | 133                   | 31                     |
| 2446-02140        | 00000/0000                   | 2-20023/0027                | 04/12/76         | 90             | 6210          | 4027N                        | 11548E                        | 48.1         | 130.7        | 0000                  |                     |                      | 133                   | 32                     |
| 2446-02143        | 00000/0000                   | 2-20023/0028                | 04/12/76         | 90             | 6210          | 3901N                        | 11518E                        | 48.8         | 129.0        | 0000                  |                     |                      | 133                   | 33                     |
| 2446-02145        | 00000/0000                   | 2-20023/0029                | 04/12/76         | 100            | 6210          | 3735N                        | 11450E                        | 49.4         | 127.3        | 0000                  |                     |                      | 133                   | 34                     |
| 2446-02152        | 00000/0000                   | 2-20023/0030                | 04/12/76         | 100            | 6210          | 3609N                        | 11422E                        | 50.1         | 125.5        | 0000                  |                     |                      | 133                   | 35                     |
| 2446-02154        | 00000/0000                   | 2-20023/0031                | 04/12/76         | 90             | 6210          | 3443N                        | 11356E                        | 50.6         | 123.7        | 0000                  |                     |                      | 133                   | 36                     |
| 2446-02161        | 00000/0000                   | 2-20023/0032                | 04/12/76         | 100            | 6210          | 3317N                        | 11330E                        | 51.2         | 121.9        | 0000                  |                     |                      | 133                   | 37                     |
| 2446-02163        | 00000/0000                   | 2-20023/0033                | 04/12/76         | 100            | 6210          | 3151N                        | 11305E                        | 51.7         | 120.0        | 0000                  |                     |                      | 133                   | 38                     |
| 2446-02170        | 00000/0000                   | 2-20023/0034                | 04/12/76         | 90             | 6210          | 3024N                        | 11270E                        | 52.2         | 118.0        | 0000                  |                     |                      | 133                   | 39                     |
| 2446-02172        | 00000/0000                   | 2-20023/0035                | 04/12/76         | 90             | 6210          | 2858N                        | 11216E                        | 52.6         | 116.1        | 0000                  |                     |                      | 133                   | 40                     |
| 2446-02175        | 00000/0000                   | 2-20023/0036                | 04/12/76         | 100            | 6210          | 2731N                        | 11152E                        | 52.9         | 114.1        | 0000                  |                     |                      | 133                   | 41                     |
| 2446-02181        | 00000/0000                   | 2-20023/0037                | 04/12/76         | 90             | 6210          | 2605N                        | 11129E                        | 53.3         | 112.1        | 0000                  |                     |                      | 133                   | 42                     |
| 2446-02184        | 00000/0000                   | 2-20023/0038                | 04/12/76         | 90             | 6210          | 2438N                        | 11106E                        | 53.6         | 110.0        | 0000                  |                     |                      | 133                   | 43                     |
| 2446-02190        | 00000/0000                   | 2-20023/0039                | 04/12/76         | 90             | 6210          | 2312N                        | 11044E                        | 53.8         | 107.9        | 0000                  |                     |                      | 133                   | 44                     |
| 2446-02193        | 00000/0000                   | 2-20023/0040                | 04/12/76         | 80             | 6210          | 2145N                        | 11022E                        | 54.0         | 105.8        | 0000                  |                     |                      | 133                   | 45                     |
| 2446-02195        | 00000/0000                   | 2-20023/0041                | 04/12/76         | 20             | 6210          | 2019N                        | 11000E                        | 54.1         | 103.7        | 0000                  |                     |                      | 133                   | 46                     |
| 2446-03515        | 00000/0000                   | 2-20023/0042                | 04/12/76         | 20             | 6211          | 5846N                        | 09442E                        | 36.8         | 150.6        | 0000                  |                     |                      | 151                   | 19                     |
| 2446-03522        | 00000/0000                   | 2-20023/0043                | 04/12/76         | 30             | 6211          | 5723N                        | 09747E                        | 37.8         | 149.1        | 0000                  |                     |                      | 151                   | 20                     |
| 2446-03524        | 00000/0000                   | 2-20023/0043                | 04/12/76         | 10             | 6211          | 5600N                        | 09455E                        | 38.8         | 147.6        | 0000                  |                     |                      | 151                   | 21                     |
| 2446-03560        | 00000/0000                   | 2-20023/0044                | 04/12/76         | 0              | 6211          | 4441N                        | 09133E                        | 45.9         | 135.6        | 0000                  |                     |                      | 151                   | 29                     |
| 2446-03563        | 00000/0000                   | 2-20023/0045                | 04/12/76         | 0              | 6211          | 4316N                        | 09101E                        | 46.6         | 134.0        | 0000                  |                     |                      | 151                   | 30                     |
| 2446-03551        | 00000/0000                   | 2-20023/1807                | 04/12/76         | 80             | 6212          | 5846N                        | 07952E                        | 36.9         | 150.6        | 0000                  |                     |                      | 169                   | 19                     |
| 2446-03553        | 00000/0000                   | 2-20023/1808                | 04/12/76         | 10             | 6212          | 5723N                        | 07157E                        | 37.9         | 149.1        | 0000                  |                     |                      | 169                   | 20                     |
| 2446-03560        | 00000/0000                   | 2-20023/1809                | 04/12/76         | 10             | 6212          | 5559N                        | 07106E                        | 38.8         | 147.6        | 0000                  |                     |                      | 169                   | 21                     |
| 2446-03562        | 00000/0000                   | 2-20023/1810                | 04/12/76         | 10             | 6212          | 5435N                        | 07018E                        | 39.8         | 146.1        | 0000                  |                     |                      | 169                   | 22                     |
| 2446-03565        | 00000/0000                   | 2-20023/1811                | 04/12/76         | 10             | 6212          | 5310N                        | 06933E                        | 40.7         | 144.7        | 0000                  |                     |                      | 169                   | 23                     |
| 2446-03571        | 00000/0000                   | 2-20023/1812                | 04/12/76         | 10             | 6212          | 5146N                        | 06850E                        | 41.6         | 143.2        | 0000                  |                     |                      | 169                   | 24                     |

KEYS: CLOUD COVER & ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. 0=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
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| OBSERVATION ID | MICROFILM ROLL NO.,<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|----------------|------------------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2446-05374     | 00000/0000 2-20022/1813                        | 04/12/76         | 0                     | 6212            | 5021N                              | 06R09E                              | 42.5         | 141.7        | GGGG              |                     |                      | 169                     | 25                     |
| 2446-05380     | 00000/0000 2-20022/1814                        | 04/12/76         | 10                    | 6212            | 4857N                              | 06730E                              | 43.4         | 140.2        | GGGG              |                     |                      | 169                     | 26                     |
| 2446-05401     | 00000/0000 2-20022/1815                        | 04/12/76         | 60                    | 6212            | 4150N                              | 06440E                              | 47.4         | 132.4        | GGGG              |                     |                      | 169                     | 31                     |
| 2446-05403     | 00000/0000 2-20022/1816                        | 04/12/76         | 20                    | 6212            | 4025N                              | 06410E                              | 48.1         | 130.7        | GGGG              |                     |                      | 169                     | 32                     |
| 2446-05410     | 00000/0000 2-20022/1817                        | 04/12/76         | 0                     | 6212            | 3849N                              | 06341E                              | 48.8         | 129.0        | GGGG              |                     |                      | 169                     | 33                     |
| 2446-05412     | 00000/0000 2-20022/1818                        | 04/12/76         | 0                     | 6212            | 3733N                              | 06312E                              | 49.5         | 127.3        | GGGG              |                     |                      | 169                     | 34                     |
| 2446-05415     | 00000/0000 2-20022/1819                        | 04/12/76         | 10                    | 6212            | 3607N                              | 06245E                              | 50.1         | 125.5        | GGGG              |                     |                      | 169                     | 35                     |
| 2446-05421     | 00000/0000 2-20022/1820                        | 04/12/76         | 10                    | 6212            | 3442N                              | 06218E                              | 50.7         | 123.7        | GGGG              |                     |                      | 169                     | 36                     |
| 2446-07180     | 00000/0000 2-20023/0052                        | 04/12/76         | 0                     | 6213            | 6009N                              | 04R03E                              | 35.9         | 152.1        | GFGG              |                     |                      | 187                     | 18                     |
| 2446-07182     | 00000/0000 2-20023/0053                        | 04/12/76         | 0                     | 6213            | 5847N                              | 04704E                              | 36.9         | 150.6        | GFGG              |                     |                      | 187                     | 19                     |
| 2446-07185     | 00000/0000 2-20023/0054                        | 04/12/76         | 0                     | 6213            | 5723N                              | 04609E                              | 37.9         | 149.1        | GGGG              |                     |                      | 187                     | 20                     |
| 2446-07191     | 00000/0000 2-20023/0055                        | 04/12/76         | 0                     | 6213            | 5559N                              | 04518E                              | 38.9         | 147.6        | GGGG              |                     |                      | 187                     | 21                     |
| 2446-07194     | 00000/0000 2-20023/0081                        | 04/12/76         | 10                    | 6213            | 5435N                              | 04430E                              | 39.8         | 146.1        | GGGG              |                     |                      | 187                     | 22                     |
| 2446-07200     | 00000/0000 2-20023/0082                        | 04/12/76         | 90                    | 6213            | 5311N                              | 04344E                              | 40.7         | 144.7        | GGGG              |                     |                      | 187                     | 23                     |
| 2446-07212     | 00000/0000 2-20023/1839                        | 04/12/76         | 90                    | 6213            | 4856N                              | 04141E                              | 43.4         | 140.2        | GGGG              |                     |                      | 187                     | 26                     |
| 2446-07214     | 00000/0000 2-20023/1840                        | 04/12/76         | 90                    | 6213            | 4731N                              | 04105E                              | 44.3         | 138.7        | GGGG              |                     |                      | 187                     | 27                     |
| 2446-07221     | 00000/0000 2-20023/1841                        | 04/12/76         | 90                    | 6213            | 4606N                              | 04029E                              | 45.1         | 137.1        | GGGG              |                     |                      | 187                     | 28                     |
| 2446-07223     | 00000/0000 2-20023/1842                        | 04/12/76         | 90                    | 6213            | 4441N                              | 03956E                              | 45.9         | 135.6        | GGGG              |                     |                      | 187                     | 29                     |
| 2446-09123     | 00000/0000 2-20023/1843                        | 04/12/76         | 0                     | 6214            | 2144N                              | 00706E                              | 54.0         | 105.6        | GGGG              |                     |                      | 205                     | 45                     |
| 2446-09125     | 00000/0000 2-20023/1844                        | 04/12/76         | 0                     | 6214            | 2018N                              | 00644E                              | 54.2         | 103.5        | FGGG              |                     |                      | 205                     | 46                     |
| 2446-09132     | 00000/0000 2-20023/1845                        | 04/12/76         | 40                    | 6214            | 1852N                              | 00422E                              | 54.2         | 101.4        | GGGG              |                     |                      | 205                     | 47                     |
| 2446-09134     | 00000/0000 2-20023/1846                        | 04/12/76         | 60                    | 6214            | 1726N                              | 00601E                              | 54.3         | 99.3         | GGGG              |                     |                      | 205                     | 48                     |
| 2446-09143     | 00000/0000 2-20023/1847                        | 04/12/76         | 10                    | 6214            | 1431N                              | 00518E                              | 54.2         | 95.1         | GGGG              |                     |                      | 205                     | 50                     |
| 2446-09150     | 00000/0000 2-20023/1848                        | 04/12/76         | 0                     | 6214            | 1304N                              | 00457E                              | 54.0         | 93.0         | GGGG              |                     |                      | 205                     | 51                     |
| 2446-09152     | 00000/0000 2-20023/1849                        | 04/12/76         | 10                    | 6214            | 1137N                              | 00436E                              | 53.8         | 91.0         | GGGG              |                     |                      | 205                     | 52                     |
| 2446-09155     | 00000/0000 2-20023/1850                        | 04/12/76         | 20                    | 6214            | 1011N                              | 00416E                              | 53.6         | 89.0         | GGGG              |                     |                      | 205                     | 53                     |
| 2446-10452     | 00000/0000 2-20023/1851                        | 04/12/76         | 20                    | 6215            | 5721N                              | 00529W                              | 37.9         | 149.1        | GFGG              |                     |                      | 223                     | 20                     |
| 2446-10470     | 00000/0000 2-20023/1852                        | 04/12/76         | 20                    | 6215            | 5145N                              | 00R36W                              | 41.7         | 143.1        | GGGF              |                     |                      | 223                     | 24                     |
| 2446-10552     | 00000/0000 2-20023/1853                        | 04/12/76         | 30                    | 6215            | 2311N                              | 01R20W                              | 53.9         | 107.7        | GGGG              |                     |                      | 223                     | 44                     |
| 2446-10555     | 00000/0000 2-20023/1854                        | 04/12/76         | 90                    | 6215            | 2144N                              | 01R43W                              | 54.1         | 105.6        | GGGG              |                     | H                    | 223                     | 45                     |
| 2446-10561     | 00000/0000 2-20023/1855                        | 04/12/76         | 90                    | 6215            | 2017N                              | 01905W                              | 54.2         | 103.5        | GGGG              |                     | H                    | 223                     | 46                     |
| 2446-10564     | 00000/0000 2-20023/1856                        | 04/12/76         | 80                    | 6215            | 1850N                              | 01927W                              | 54.3         | 101.4        | GGGG              |                     | H                    | 223                     | 47                     |
| 2446-10663     | 00000/0000 2-20023/1857                        | 04/12/76         | 0                     | 6217            | 7436N                              | 03516W                              | 24.2         | 176.2        | GGGG              |                     |                      | 8                       | 7                      |
| 2446-14115     | 00000/0000 2-20023/1785                        | 04/12/76         | 80                    | 6217            | 5724N                              | 05709W                              | 38.0         | 149.1        | PGGG              |                     |                      | 8                       | 20                     |
| 2446-14122     | 00000/0000 2-20023/1786                        | 04/12/76         | 30                    | 6217            | 5600N                              | 05800W                              | 38.9         | 147.6        | PGGG              |                     |                      | 8                       | 21                     |
| 2446-14124     | 00000/0000 2-20023/1787                        | 04/12/76         | 40                    | 6217            | 5436N                              | 05R48W                              | 39.9         | 146.1        | GGGG              |                     |                      | 8                       | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 177

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>POINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>POINT<br>OF IMAGE<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|---------------------------------------|----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2446-15485        | 00000/0000                   | 2-20022/1858                | 04/12/76         | 30             | 6218            | 7651N                                 | 05326W                                 | 22.0         | 184.2        | GGGG                               |                     |                      | 25                      | 5                      |
| 2446-15571        | 00000/0000                   | 2-20022/1788                | 04/12/76         | 20             | 6218            | 5023N                                 | 08643W                                 | 42.7         | 141.7        | GGGG                               |                     |                      | 26                      | 25                     |
| 2446-16051        | 00000/0000                   | 2-20022/1789                | 04/12/76         | 30             | 6218            | 2313N                                 | 09545W                                 | 53.9         | 107.6        | GGGG                               |                     |                      | 26                      | 44                     |
| 2446-16053        | 00000/0000                   | 2-20022/1790                | 04/12/76         | 20             | 6218            | 2146N                                 | 09607W                                 | 54.1         | 105.5        | GGGG                               |                     |                      | 26                      | 45                     |
| 2446-16060        | 00000/0000                   | 2-20022/1791                | 04/12/76         | 40             | 6218            | 2020N                                 | 09628W                                 | 54.2         | 103.4        | GGGG                               |                     |                      | 26                      | 46                     |
| 2446-16062        | 00000/0000                   | 2-20023/0097                | 04/12/76         | 20             | 6218            | 1853N                                 | 09650W                                 | 54.3         | 101.3        | G                                  |                     |                      | 26                      | 47                     |
| 2446-17403        | 00000/0000                   | 2-20023/0098                | 04/12/76         | 10             | 6219            | 5024N                                 | 11232W                                 | 42.7         | 141.7        | FGGG                               |                     |                      | 44                      | 25                     |
| 2446-20570        | 00000/0000                   | 2-20023/0100                | 04/12/76         | 10             | 6221            | 8015N                                 | 10628W                                 | 17.6         | 209.0        | FGGG                               |                     |                      | 79                      | 1                      |
| 2446-20573        | 00000/0000                   | 2-20023/0101                | 04/12/76         | 10             | 6221            | 7936N                                 | 11356W                                 | 18.7         | 201.5        | FGGG                               |                     |                      | 79                      | 2                      |
| 2446-20575        | 00000/0000                   | 2-20023/0102                | 04/12/76         | 10             | 6221            | 7847N                                 | 12027W                                 | 19.9         | 194.9        | FGGF                               |                     |                      | 79                      | 3                      |
| 2446-20582        | 00000/0000                   | 2-20023/0103                | 04/12/76         | 30             | 6221            | 7751N                                 | 12406W                                 | 21.0         | 189.1        | FFGG                               |                     |                      | 79                      | 4                      |
| 2446-20584        | 00000/0000                   | 2-20023/0104                | 04/12/76         | 40             | 6221            | 7650N                                 | 13055W                                 | 22.1         | 184.2        | FGGG                               |                     |                      | 80                      | 5                      |
| 2446-20591        | 00000/0000                   | 2-20023/0105                | 04/12/76         | 70             | 6221            | 7544N                                 | 13501W                                 | 23.2         | 179.9        | FGFF                               |                     |                      | 80                      | 6                      |
| 2446-20593        | 00000/0000                   | 2-20023/0106                | 04/12/76         | 40             | 6221            | 7435N                                 | 13832W                                 | 24.4         | 176.2        | GGGG                               |                     |                      | 80                      | 7                      |
| 2446-21000        | 00000/0000                   | 2-20023/0107                | 04/12/76         | 10             | 6221            | 7323N                                 | 14135W                                 | 25.5         | 172.9        | GGGG                               |                     |                      | 80                      | 8                      |
| 2446-21002        | 00000/0000                   | 2-20023/0108                | 04/12/76         | 10             | 6221            | 7209N                                 | 14415W                                 | 26.6         | 169.9        | GGGG                               |                     |                      | 80                      | 9                      |
| 2447-02185        | 00000/0000                   | 2-20023/0062                | 04/13/76         | 10             | 6224            | 4315N                                 | 11525E                                 | 47.0         | 133.8        | FGGG                               |                     |                      | 134                     | 30                     |
| 2447-02192        | 00000/0000                   | 2-20023/0063                | 04/13/76         | 10             | 6224            | 4149N                                 | 11453E                                 | 47.7         | 132.1        | GGGG                               |                     |                      | 134                     | 31                     |
| 2447-02194        | 00000/0000                   | 2-20023/0064                | 04/13/76         | 0              | 6224            | 4024N                                 | 11422E                                 | 48.4         | 130.5        | GGGG                               |                     |                      | 134                     | 32                     |
| 2447-02201        | 00000/0000                   | 2-20023/0065                | 04/13/76         | 0              | 6224            | 3858N                                 | 11353E                                 | 49.1         | 128.7        | GGGG                               |                     |                      | 134                     | 33                     |
| 2447-02203        | 00000/0000                   | 2-20023/0066                | 04/13/76         | 0              | 6224            | 3733N                                 | 11325E                                 | 49.8         | 127.0        | GGGG                               |                     |                      | 134                     | 34                     |
| 2447-02210        | 00000/0000                   | 2-20023/0067                | 04/13/76         | 10             | 6224            | 3607N                                 | 11257E                                 | 50.4         | 125.2        | GGGG                               |                     |                      | 134                     | 35                     |
| 2447-02212        | 00000/0000                   | 2-20023/0068                | 04/13/76         | 10             | 6224            | 3440N                                 | 11230E                                 | 51.0         | 123.4        | GGGG                               |                     |                      | 134                     | 36                     |
| 2447-02215        | 00000/0000                   | 2-20023/0069                | 04/13/76         | 10             | 6224            | 3314N                                 | 11204E                                 | 51.5         | 121.5        | GGGG                               |                     |                      | 134                     | 37                     |
| 2447-02221        | 00000/0000                   | 2-20023/0070                | 04/13/76         | 10             | 6224            | 3147N                                 | 11139E                                 | 52.0         | 119.6        | GGGG                               |                     |                      | 134                     | 38                     |
| 2447-02224        | 00000/0000                   | 2-20023/0071                | 04/13/76         | 10             | 6224            | 3021N                                 | 11114E                                 | 52.4         | 117.6        | GGGG                               |                     |                      | 134                     | 39                     |
| 2447-02230        | 00000/0000                   | 2-20023/0072                | 04/13/76         | 20             | 6224            | 2855N                                 | 11050E                                 | 52.8         | 115.6        | GGGG                               |                     |                      | 134                     | 40                     |
| 2447-02233        | 00000/0000                   | 2-20023/0073                | 04/13/76         | 30             | 6224            | 2729N                                 | 11026E                                 | 53.2         | 113.6        | GGGG                               |                     |                      | 134                     | 41                     |
| 2447-02235        | 00000/0000                   | 2-20023/0074                | 04/13/76         | 80             | 6224            | 2603N                                 | 11004E                                 | 53.5         | 111.5        | GGGG                               |                     |                      | 134                     | 42                     |
| 2447-02242        | 00000/0000                   | 2-20023/0075                | 04/13/76         | 70             | 6224            | 2437N                                 | 10941E                                 | 53.8         | 109.5        | GGGG                               |                     |                      | 134                     | 43                     |
| 2447-02244        | 00000/0000                   | 2-20023/0076                | 04/13/76         | 70             | 6224            | 2311N                                 | 10919E                                 | 54.0         | 107.4        | GGGG                               |                     |                      | 134                     | 44                     |
| 2447-02251        | 00000/0000                   | 2-20023/0077                | 04/13/76         | 90             | 6224            | 2144N                                 | 10856E                                 | 54.2         | 105.3        | FGGG                               |                     |                      | 134                     | 45                     |
| 2447-03530        | 00000/0000                   | 2-20023/0078                | 04/13/76         | 50             | 6225            | 7321N                                 | 11502E                                 | 25.6         | 172.8        | GGGG                               |                     |                      | 152                     | 8                      |
| 2447-04014        | 00000/0000                   | 2-20023/0079                | 04/13/76         | 10             | 6225            | 4440N                                 | 09006E                                 | 46.2         | 135.4        | GGGG                               |                     |                      | 152                     | 29                     |
| 2447-04021        | 00000/0000                   | 2-20023/0080                | 04/13/76         | 10             | 6225            | 4315N                                 | 08934E                                 | 47.0         | 133.8        | GGGG                               |                     |                      | 152                     | 30                     |
| 2447-05414        | 00000/0000                   | 2-20023/0083                | 04/13/76         | 20             | 6226            | 5601N                                 | 06943E                                 | 39.2         | 147.6        | GGGG                               |                     |                      | 170                     | 21                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2447-05420        | 00000/0000                   | 2-20023/0084                | 04/13/76         | 20             | 6226            | 5438N                        | 06R55E        | 40.1         | 146.1        | GGGG                               |                     |                      | 170                     | 22                     |
| 2447-05423        | 00000/0000                   | 2-20023/0085                | 04/13/76         | 40             | 6226            | 5314N                        | 06R10E        | 41.1         | 144.6        | GGGG                               |                     |                      | 170                     | 23                     |
| 2447-05425        | 00000/0000                   | 2-20023/0086                | 04/13/76         | 40             | 6226            | 5149N                        | 06728E        | 42.0         | 143.1        | GGFG                               |                     |                      | 170                     | 24                     |
| 2447-05432        | 00000/0000                   | 2-20023/0087                | 04/13/76         | 90             | 6226            | 5024N                        | 06647E        | 42.9         | 141.6        | FGFG                               |                     |                      | 170                     | 25                     |
| 2447-05470        | 00000/0000                   | 2-20023/0088                | 04/13/76         | 0              | 6226            | 3735N                        | 06148E        | 49.8         | 127.0        | GGGG                               |                     |                      | 170                     | 34                     |
| 2447-05473        | 00000/0000                   | 2-20023/0089                | 04/13/76         | 0              | 6226            | 3609N                        | 06120E        | 50.4         | 125.2        | GGFG                               |                     |                      | 170                     | 35                     |
| 2447-05475        | 00000/0000                   | 2-20023/0090                | 04/13/76         | 10             | 6226            | 3443N                        | 06053E        | 51.0         | 123.4        | FGFG                               |                     |                      | 170                     | 36                     |
| 2447-05482        | 00000/0000                   | 2-20023/0091                | 04/13/76         | 10             | 6226            | 3317N                        | 06027E        | 51.5         | 121.5        | GGGG                               |                     |                      | 170                     | 37                     |
| 2447-05484        | 00000/0000                   | 2-20023/0092                | 04/13/76         | 10             | 6226            | 3151N                        | 06001E        | 52.0         | 119.6        | GGGG                               |                     |                      | 170                     | 38                     |
| 2447-05491        | 00000/0000                   | 2-20023/0093                | 04/13/76         | 10             | 6226            | 3024N                        | 05937E        | 52.5         | 117.6        | GGGG                               |                     |                      | 170                     | 39                     |
| 2447-05493        | 00000/0000                   | 2-20023/0094                | 04/13/76         | 0              | 6226            | 2858N                        | 05913E        | 52.9         | 115.6        | GGFG                               |                     |                      | 170                     | 40                     |
| 2447-05500        | 00000/0000                   | 2-20023/0095                | 04/13/76         | 0              | 6226            | 2731N                        | 05850E        | 53.2         | 113.6        | GGGG                               |                     |                      | 170                     | 41                     |
| 2447-05502        | 00000/0000                   | 2-20023/0096                | 04/13/76         | 0              | 6226            | 2606N                        | 05827E        | 53.6         | 111.5        | GGGG                               |                     |                      | 170                     | 42                     |
| 2447-07252        | 00000/0000                   | 2-20023/0056                | 04/13/76         | 10             | 6227            | 5437N                        | 04303E        | 40.1         | 146.1        | GGGG                               |                     |                      | 188                     | 22                     |
| 2447-07255        | 00000/0000                   | 2-20023/0057                | 04/13/76         | 0              | 6227            | 5313N                        | 04218E        | 41.1         | 144.6        | GGGG                               |                     |                      | 188                     | 23                     |
| 2447-07261        | 00000/0000                   | 2-20023/0058                | 04/13/76         | 10             | 6227            | 5148N                        | 04135E        | 42.0         | 143.1        | GGGG                               |                     |                      | 188                     | 24                     |
| 2447-07270        | 00000/0000                   | 2-20023/0059                | 04/13/76         | 100            | 6227            | 4858N                        | 04016E        | 43.8         | 140.1        | GGGG                               |                     |                      | 188                     | 26                     |
| 2447-07273        | 00000/0000                   | 2-20023/0060                | 04/13/76         | 80             | 6227            | 4733N                        | 03939E        | 44.6         | 138.5        | GGGG                               |                     |                      | 188                     | 27                     |
| 2447-07275        | 00000/0000                   | 2-20023/0061                | 04/13/76         | 90             | 6227            | 4608N                        | 03904E        | 45.4         | 137.0        | GGGG                               |                     |                      | 188                     | 28                     |
| 2447-09104        | 00000/0000                   | 2-20023/0441                | 04/13/76         | 70             | 6228            | 4733N                        | 01352E        | 44.6         | 138.5        | G GG                               |                     |                      | 206                     | 27                     |
| 2447-09184        | 00000/0000                   | 2-20023/0442                | 04/13/76         | 30             | 6228            | 2020N                        | 00519E        | 54.4         | 103.0        | GGGG                               |                     |                      | 206                     | 46                     |
| 2447-09190        | 00000/0000                   | 2-20023/0443                | 04/13/76         | 60             | 6228            | 1854N                        | 00457E        | 54.4         | 100.9        | GFFG                               |                     |                      | 206                     | 47                     |
| 2447-09193        | 00000/0000                   | 2-20023/0444                | 04/13/76         | 20             | 6228            | 1727N                        | 00436E        | 54.4         | 98.8         | GGGG                               |                     |                      | 206                     | 48                     |
| 2447-09195        | 00000/0000                   | 2-20023/0445                | 04/13/76         | 40             | 6228            | 1600N                        | 00415E        | 54.4         | 96.7         | GGGG                               |                     |                      | 206                     | 49                     |
| 2447-09202        | 00000/0000                   | 2-20023/0446                | 04/13/76         | 10             | 6228            | 1433N                        | 00355E        | 54.3         | 94.6         | GGGG                               |                     |                      | 206                     | 50                     |
| 2447-09204        | 00000/0000                   | 2-20023/0447                | 04/13/76         | 10             | 6228            | 1307N                        | 00334E        | 54.1         | 92.5         | GGGG                               |                     |                      | 206                     | 51                     |
| 2447-09211        | 00000/0000                   | 2-20023/0448                | 04/13/76         | 10             | 6228            | 1140N                        | 00314E        | 53.9         | 90.4         | GFGG                               |                     |                      | 206                     | 52                     |
| 2447-09213        | 00000/0000                   | 2-20023/0449                | 04/13/76         | 20             | 6228            | 1013N                        | 00253E        | 53.7         | 88.4         | GGGG                               |                     |                      | 206                     | 53                     |
| 2447-14132        | 00000/0000                   | 2-20023/0450                | 04/13/76         | 100            | 6231            | 7052N                        | 04446W        | 27.9         | 167.3        | FFFF                               |                     |                      | 9                       | 10                     |
| 2447-14135        | 00000/0000                   | 2-20023/0451                | 04/13/76         | 100            | 6231            | 6935N                        | 04452W        | 29.0         | 164.9        | FFFF                               |                     |                      | 9                       | 11                     |
| 2447-14141        | 00000/0000                   | 2-20023/0452                | 04/13/76         | 90             | 6231            | 6810N                        | 04442W        | 30.1         | 162.7        | GFFF                               |                     |                      | 9                       | 12                     |
| 2447-14144        | 00000/0000                   | 2-20023/0453                | 04/13/76         | 30             | 6231            | 6647N                        | 05022W        | 31.2         | 160.7        | GFFG                               |                     |                      | 9                       | 13                     |
| 2447-14150        | 00000/0000                   | 2-20023/0454                | 04/13/76         | 20             | 6231            | 6506N                        | 05152W        | 32.2         | 158.8        | GGGG                               |                     |                      | 9                       | 14                     |
| 2447-14194        | 00000/0000                   | 2-20023/0109                | 04/13/76         | 20             | 6231            | 5022N                        | 06219W        | 43.0         | 141.5        | GGGG                               |                     |                      | 9                       | 25                     |
| 2447-14200        | 00000/0000                   | 2-20023/0110                | 04/13/76         | 20             | 6231            | 4857N                        | 06258W        | 43.9         | 140.0        | FGGG                               |                     |                      | 9                       | 26                     |
| 2447-14205        | 00000/0000                   | 2-20023/0111                | 04/13/76         | 10             | 6231            | 4607N                        | 06410W        | 45.6         | 136.9        | GGG                                |                     |                      | 9                       | 28                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2447-14212        | 00000/0000                   | 2-20023/0112                | 04/13/76         | 10             | 6231             | 4441N                        | 06444W        | 46.4         | 135.3        | GGGG                               |                     |                      | 9                       | 29                     |
| 2447-14214        | 00000/0000                   | 2-20023/0113                | 04/13/76         | 30             | 6231             | 4316N                        | 06517W        | 47.1         | 133.7        | GGGG                               |                     |                      | 9                       | 30                     |
| 2447-14221        | 00000/0000                   | 2-20023/0114                | 04/13/76         | 50             | 6231             | 4151N                        | 06548W        | 47.9         | 132.0        | GGFG                               |                     |                      | 9                       | 31                     |
| 2447-14280        | 00000/0000                   | 2-20023/0455                | 04/13/76         | 90             | 6231             | 2145N                        | 07146W        | 54.3         | 105.0        | FGFF                               | H                   |                      | 9                       | 45                     |
| 2447-15541        | 00000/0000                   | 2-20023/0456                | 04/13/76         | 20             | 6232             | 7751N                        | 05008W        | 21.3         | 189.2        | FFFF                               |                     |                      | 26                      | 4                      |
| 2447-16030        | 00000/0000                   | 2-20023/0115                | 04/13/76         | 10             | 6232             | 5022N                        | 08411W        | 43.0         | 141.5        | GGGG                               |                     |                      | 27                      | 25                     |
| 2447-17461        | 00000/0000                   | 2-20023/0099                | 04/13/76         | 90             | 6233             | 5021N                        | 11359W        | 43.1         | 141.5        | GGGG                               |                     |                      | 45                      | 25                     |
| 2447-21031        | 00000/0000                   | 2-20023/0116                | 04/13/76         | 70             | 6235             | 7937N                        | 11516W        | 19.1         | 201.7        | GGGG                               |                     |                      | 80                      | 2                      |
| 2447-21033        | 00000/0000                   | 2-20023/0117                | 04/13/76         | 70             | 6235             | 7849N                        | 12146W        | 20.2         | 195.1        | GGGG                               |                     |                      | 80                      | 3                      |
| 2447-21040        | 00000/0000                   | 2-20023/0118                | 04/13/76         | 10             | 6235             | 7753N                        | 12726W        | 21.3         | 189.3        | GGGG                               |                     |                      | 80                      | 4                      |
| 2447-21042        | 00000/0000                   | 2-20023/0119                | 04/13/76         | 10             | 6235             | 7652N                        | 13214W        | 22.5         | 184.4        | GGGG                               |                     |                      | 80                      | 5                      |
| 2447-21045        | 00000/0000                   | 2-20023/0120                | 04/13/76         | 70             | 6235             | 7546N                        | 13621W        | 23.6         | 180.1        | GGGG                               |                     |                      | 81                      | 6                      |
| 2447-21051        | 00000/0000                   | 2-20023/0121                | 04/13/76         | 70             | 6235             | 7436N                        | 13954W        | 24.7         | 176.3        | GGGG                               |                     |                      | 81                      | 7                      |
| 2447-21054        | 00000/0000                   | 2-20023/0122                | 04/13/76         | 30             | 6235             | 7324N                        | 14259W        | 25.8         | 173.0        | GGGG                               |                     |                      | 81                      | 8                      |
| 2447-21060        | 00000/0000                   | 2-20023/0123                | 04/13/76         | 30             | 6235             | 7211N                        | 14538W        | 26.9         | 170.0        | GGGG                               |                     |                      | 81                      | 9                      |
| 2448-02250        | 00000/0000                   | 2-20023/0457                | 04/14/76         | 20             | 6238             | 4151N                        | 11326E        | 48.0         | 131.9        | GGGG                               |                     |                      | 135                     | 31                     |
| 2448-02253        | 00000/0000                   | 2-20023/0458                | 04/14/76         | 20             | 6238             | 4025N                        | 11256E        | 48.7         | 130.2        | GGGF                               |                     |                      | 135                     | 32                     |
| 2448-02255        | 00000/0000                   | 2-20023/0459                | 04/14/76         | 10             | 6238             | 3900N                        | 11227E        | 49.4         | 128.5        | GGGG                               |                     |                      | 135                     | 33                     |
| 2448-02264        | 00000/0000                   | 2-20023/0132                | 04/14/76         | 0              | 6238             | 3608N                        | 11131E        | 50.7         | 124.9        | GGGG                               |                     |                      | 135                     | 35                     |
| 2448-02271        | 00000/0000                   | 2-20023/0133                | 04/14/76         | 0              | 6238             | 3442N                        | 11104E        | 51.2         | 123.1        | FGGG                               |                     |                      | 135                     | 36                     |
| 2448-02273        | 00000/0000                   | 2-20023/0134                | 04/14/76         | 0              | 6238             | 3315N                        | 11038E        | 51.8         | 121.2        | GGGG                               |                     |                      | 135                     | 37                     |
| 2448-02291        | 00000/0000                   | 2-20023/0135                | 04/14/76         | 10             | 6238             | 2731N                        | 10900E        | 53.5         | 113.2        | GGGG                               |                     |                      | 135                     | 41                     |
| 2448-02294        | 00000/0000                   | 2-20023/0136                | 04/14/76         | 10             | 6238             | 2605N                        | 10837E        | 53.8         | 111.1        | GGGG                               |                     |                      | 135                     | 42                     |
| 2448-02300        | 00000/0000                   | 2-20023/0137                | 04/14/76         | 20             | 6238             | 2438N                        | 10814E        | 54.0         | 109.0        | GGGG                               |                     |                      | 135                     | 43                     |
| 2448-02303        | 00000/0000                   | 2-20023/0138                | 04/14/76         | 30             | 6238             | 2312N                        | 10751E        | 54.2         | 106.9        | GGGG                               |                     |                      | 135                     | 44                     |
| 2448-02353        | 00000/0000                   | 2-20023/0139                | 04/14/76         | 20             | 6238             | 0551N                        | 10340E        | 52.7         | 82.2         | GGGG                               |                     |                      | 135                     | 56                     |
| 2448-02355        | 00000/0000                   | 2-20023/0140                | 04/14/76         | 20             | 6238             | 0425N                        | 10320E        | 52.2         | 80.3         | FFGG                               |                     |                      | 135                     | 57                     |
| 2448-02362        | 00000/0000                   | 2-20023/0141                | 04/14/76         | 40             | 6238             | 0258N                        | 10300E        | 51.8         | 78.5         | GGGG                               |                     |                      | 135                     | 58                     |
| 2448-02364        | 00000/0000                   | 2-20023/0142                | 04/14/76         | 70             | 6238             | 0131N                        | 10240E        | 51.2         | 76.8         | GGGG                               |                     |                      | 135                     | 59                     |
| 2448-04032        | 00000/0000                   | 2-20023/0143                | 04/14/76         | 0              | 6239             | 5847N                        | 09552E        | 37.6         | 150.5        | GGGG                               |                     |                      | 153                     | 19                     |
| 2448-04034        | 00000/0000                   | 2-20023/0144                | 04/14/76         | 0              | 6239             | 5724N                        | 09457E        | 38.5         | 149.0        | GGGG                               |                     |                      | 153                     | 20                     |
| 2448-04041        | 00000/0000                   | 2-20023/0145                | 04/14/76         | 0              | 6239             | 5600N                        | 09404E        | 39.5         | 147.5        | GGGG                               |                     |                      | 153                     | 21                     |
| 2448-04043        | 00000/0000                   | 2-20023/0146                | 04/14/76         | 0              | 6239             | 5435N                        | 09315E        | 40.5         | 146.0        | GGGG                               |                     |                      | 153                     | 22                     |
| 2448-04073        | 00000/0000                   | 2-20023/0147                | 04/14/76         | 80             | 6239             | 4441N                        | 08842E        | 46.5         | 135.2        | FGGG                               |                     |                      | 153                     | 29                     |
| 2448-04075        | 00000/0000                   | 2-20023/0148                | 04/14/76         | 40             | 6239             | 4316N                        | 08809E        | 47.3         | 133.6        | GGGG                               |                     |                      | 153                     | 30                     |
| 2448-04082        | 00000/0000                   | 2-20023/0149                | 04/14/76         | 10             | 6239             | 4151N                        | 08738E        | 48.1         | 131.9        | GGGG                               |                     |                      | 153                     | 31                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2448-05463        | 00000/0000                   | 2-20023/1794                | 04/14/76         | 0              | 6240            | 5846N                        | 06959E        | 37.6         | 150.5        | GGGG                  |                     |                      | 171                     | 19                     |
| 2448-05470        | 00000/0000                   | 2-20023/0347                | 04/14/76         | 0              | 6240            | 5723N                        | 06904E        | 38.6         | 149.0        | GGGG                  |                     |                      | 171                     | 20                     |
| 2448-05472        | 00000/0000                   | 2-20023/0196                | 04/14/76         | 0              | 6240            | 5600N                        | 06813E        | 39.5         | 147.5        | GGGG                  |                     |                      | 171                     | 21                     |
| 2448-05475        | 00000/0000                   | 2-20023/0197                | 04/14/76         | 10             | 6240            | 5435N                        | 06726E        | 40.5         | 146.0        | GGGG                  |                     |                      | 171                     | 22                     |
| 2448-05481        | 00000/0000                   | 2-20023/0198                | 04/14/76         | 20             | 6240            | 5312N                        | 06641E        | 41.4         | 144.5        | GGGG                  |                     |                      | 171                     | 23                     |
| 2448-05484        | 00000/0000                   | 2-20023/0199                | 04/14/76         | 20             | 6240            | 5147N                        | 06558E        | 42.3         | 143.0        | GGGG                  |                     |                      | 171                     | 24                     |
| 2448-05490        | 00000/0000                   | 2-20023/0200                | 04/14/76         | 10             | 6240            | 5022N                        | 06517E        | 43.2         | 141.5        | GGGG                  |                     |                      | 171                     | 25                     |
| 2448-05513        | 00000/0000                   | 2-20023/0201                | 04/14/76         | 70             | 6240            | 4151N                        | 06148E        | 48.1         | 131.9        | GGGF                  |                     |                      | 171                     | 31                     |
| 2448-05520        | 00000/0000                   | 2-20023/0202                | 04/14/76         | 80             | 6240            | 4025N                        | 06118E        | 48.8         | 130.2        | GGGF                  |                     |                      | 171                     | 32                     |
| 2448-05522        | 00000/0000                   | 2-20023/0203                | 04/14/76         | 90             | 6240            | 3859N                        | 06048E        | 49.5         | 128.5        | FGFG                  |                     |                      | 171                     | 33                     |
| 2448-05525        | 00000/0000                   | 2-20023/0204                | 04/14/76         | 90             | 6240            | 3733N                        | 06020E        | 50.1         | 126.7        | FGFG                  |                     |                      | 171                     | 34                     |
| 2448-05531        | 00000/0000                   | 2-20023/0205                | 04/14/76         | 90             | 6240            | 3607N                        | 05952E        | 50.7         | 124.9        | GGGF                  |                     |                      | 171                     | 35                     |
| 2448-05534        | 00000/0000                   | 2-20023/0161                | 04/14/76         | 90             | 6240            | 3442N                        | 05926E        | 51.3         | 123.0        | GGGG                  |                     |                      | 171                     | 36                     |
| 2448-05540        | 00000/0000                   | 2-20023/0162                | 04/14/76         | 20             | 6240            | 3315N                        | 05900E        | 51.8         | 121.1        | GGGG                  |                     |                      | 171                     | 37                     |
| 2448-05543        | 00000/0000                   | 2-20023/0163                | 04/14/76         | 30             | 6240            | 3149N                        | 05834E        | 52.3         | 119.1        | FFGG                  |                     |                      | 171                     | 38                     |
| 2448-05561        | 00000/0000                   | 2-20023/0164                | 04/14/76         | 10             | 6240            | 2604N                        | 05659E        | 53.8         | 111.0        | GFGG                  |                     |                      | 171                     | 42                     |
| 2448-07292        | 00000/0000                   | 2-20023/0150                | 04/14/76         | 20             | 6241            | 6009N                        | 04509E        | 36.6         | 152.1        | GGGG                  |                     |                      | 189                     | 18                     |
| 2448-07295        | 00000/0000                   | 2-20023/0151                | 04/14/76         | 0              | 6241            | 5846N                        | 04411E        | 37.6         | 150.5        | GGGG                  |                     |                      | 189                     | 19                     |
| 2448-07301        | 00000/0000                   | 2-20023/0152                | 04/14/76         | 0              | 6241            | 5723N                        | 04316E        | 38.6         | 149.0        | GGGG                  |                     |                      | 189                     | 20                     |
| 2448-07304        | 00000/0000                   | 2-20023/0153                | 04/14/76         | 0              | 6241            | 5600N                        | 04224E        | 39.5         | 147.5        | GGGG                  |                     |                      | 189                     | 21                     |
| 2448-07313        | 00000/0000                   | 2-20023/0154                | 04/14/76         | 0              | 6241            | 5311N                        | 04052E        | 41.4         | 144.5        | GGGG                  |                     |                      | 189                     | 23                     |
| 2448-07315        | 00000/0000                   | 2-20023/0155                | 04/14/76         | 70             | 6241            | 5146N                        | 04009E        | 42.4         | 143.0        | GGGG                  |                     |                      | 189                     | 24                     |
| 2448-07322        | 00000/0000                   | 2-20023/0156                | 04/14/76         | 100            | 6241            | 5021N                        | 03930E        | 43.3         | 141.4        | GGGG                  |                     |                      | 189                     | 25                     |
| 2448-07324        | 00000/0000                   | 2-20023/0157                | 04/14/76         | 90             | 6241            | 4857N                        | 03851E        | 44.1         | 139.9        | GGGG                  |                     |                      | 189                     | 26                     |
| 2448-07331        | 00000/0000                   | 2-20023/0158                | 04/14/76         | 90             | 6241            | 4733N                        | 03814E        | 45.0         | 138.4        | GGGG                  |                     |                      | 189                     | 27                     |
| 2448-07333        | 00000/0000                   | 2-20023/0159                | 04/14/76         | 80             | 6241            | 4608N                        | 03738E        | 45.8         | 136.8        | GGGG                  |                     |                      | 189                     | 28                     |
| 2448-07340        | 00000/0000                   | 2-20023/0160                | 04/14/76         | 70             | 6241            | 4442N                        | 03704E        | 46.6         | 135.2        | GGGG                  |                     |                      | 189                     | 29                     |
| 2448-09103        | 00000/0000                   | 2-20023/0165                | 04/14/76         | 10             | 6242            | 6656N                        | 02541E        | 31.5         | 160.7        | GGGG                  |                     |                      | 207                     | 13                     |
| 2448-09110        | 00000/0000                   | 2-20023/0166                | 04/14/76         | 20             | 6242            | 6536N                        | 02411E        | 32.5         | 158.8        | GGGG                  |                     |                      | 207                     | 14                     |
| 2448-09112        | 00000/0000                   | 2-20023/0167                | 04/14/76         | 10             | 6242            | 6415N                        | 02249E        | 33.6         | 157.0        | GFGG                  |                     |                      | 207                     | 15                     |
| 2448-09115        | 00000/0000                   | 2-20023/0168                | 04/14/76         | 10             | 6242            | 6253N                        | 02134E        | 34.6         | 155.3        | GGGF                  |                     |                      | 207                     | 16                     |
| 2448-09160        | 00000/0000                   | 2-20023/0169                | 04/14/76         | 30             | 6242            | 4856N                        | 01301E        | 44.2         | 139.9        | GGGG                  |                     |                      | 207                     | 26                     |
| 2448-09244        | 00000/0000                   | 2-20023/0170                | 04/14/76         | 90             | 6242            | 1852N                        | 00331E        | 54.6         | 100.3        | GGFG                  |                     |                      | 207                     | 47                     |
| 2448-09251        | 00000/0000                   | 2-20023/0171                | 04/14/76         | 60             | 6242            | 1725N                        | 00310E        | 54.6         | 98.2         | GGGG                  |                     |                      | 207                     | 48                     |
| 2448-09253        | 00000/0000                   | 2-20023/0172                | 04/14/76         | 40             | 6242            | 1558N                        | 00249E        | 54.5         | 96.0         | GGGF                  |                     |                      | 207                     | 49                     |
| 2448-09260        | 00000/0000                   | 2-20023/0173                | 04/14/76         | 10             | 6242            | 1431N                        | 00228E        | 54.4         | 93.9         | FGGG                  |                     |                      | 207                     | 50                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2448-09262        | 00000/0000                   | 2-20023/0174                | 04/14/76         | 10             | 6242            | 1305N                        | 00007E        | 54.3         | 91.8         | GGFG                               |                     |                      | 207                     | 51                     |
| 2448-09265        | 00000/0000                   | 2-20023/0175                | 04/14/76         | 30             | 6242            | 1138N                        | 00146E        | 54.0         | 89.8         | FGFG                               |                     |                      | 207                     | 52                     |
| 2448-09271        | 00000/0000                   | 2-20023/0176                | 04/14/76         | 30             | 6242            | 1011N                        | 00125E        | 53.8         | 87.8         | FGGG                               |                     |                      | 207                     | 53                     |
| 2448-09274        | 00000/0000                   | 2-20023/0177                | 04/14/76         | 40             | 6242            | 0844N                        | 00105E        | 53.5         | 85.8         | FGGG                               |                     |                      | 207                     | 54                     |
| 2448-14184        | 00000/0000                   | 2-20023/0178                | 04/14/76         | 100            | 6245            | 7210N                        | 04351W        | 27.2         | 170.0        | FFFF                               |                     |                      | 10                      | 9                      |
| 2448-14191        | 00000/0000                   | 2-20023/0179                | 04/14/76         | 100            | 6245            | 7055N                        | 04610W        | 28.3         | 167.4        | FFFF                               |                     |                      | 10                      | 10                     |
| 2448-14252        | 00000/0000                   | 2-20023/0215                | 04/14/76         | 10             | 6245            | 5023N                        | 06348W        | 43.3         | 141.4        | GGGG                               |                     |                      | 10                      | 25                     |
| 2448-14255        | 00000/0000                   | 2-20023/0216                | 04/14/76         | 30             | 6245            | 4859N                        | 06426W        | 44.2         | 139.9        | GGGG                               |                     |                      | 10                      | 26                     |
| 2448-14275        | 00000/0000                   | 2-20023/0217                | 04/14/76         | 0              | 6245            | 4151N                        | 06716W        | 48.2         | 131.8        | GGGG                               |                     |                      | 10                      | 31                     |
| 2448-14282        | 00000/0000                   | 2-20023/0218                | 04/14/76         | 0              | 6245            | 4025N                        | 06746W        | 48.9         | 130.1        | GFGG                               |                     |                      | 10                      | 32                     |
| 2448-14284        | 00000/0000                   | 2-20023/0219                | 04/14/76         | 10             | 6245            | 3900N                        | 06815W        | 49.6         | 128.4        | GGGG                               |                     |                      | 10                      | 33                     |
| 2448-14341        | 00000/0000                   | 2-20023/0180                | 04/14/76         | 60             | 6245            | 2019N                        | 07333W        | 54.6         | 102.4        | FGGG                               | H                   |                      | 10                      | 46                     |
| 2448-16084        | 00000/0000                   | 2-20023/0220                | 04/14/76         | 20             | 6246            | 5024N                        | 08934W        | 43.4         | 141.4        | GGGG                               |                     |                      | 28                      | 25                     |
| 2448-16161        | 00000/0000                   | 2-20023/0440                | 04/14/76         | 30             | 6246            | 2440N                        | 09814W        | 54.1         | 108.8        | GGGG                               |                     |                      | 28                      | 43                     |
| 2448-17513        | 00000/0000                   | 2-20023/0225                | 04/14/76         | 80             | 6247            | 5147N                        | 11444W        | 42.5         | 142.9        | FGGG                               |                     |                      | 46                      | 24                     |
| 2448-17515        | 00000/0000                   | 2-20023/0226                | 04/14/76         | 90             | 6247            | 5022N                        | 11525W        | 43.4         | 141.4        | GGGG                               |                     |                      | 46                      | 25                     |
| 2448-21023        | 00000/0000                   | 2-20023/0124                | 04/14/76         | 10             | 6249            | 8015N                        | 10916W        | 18.3         | 209.2        | GGGG                               |                     |                      | 81                      | 1                      |
| 2448-21085        | 00000/0000                   | 2-20023/0125                | 04/14/76         | 10             | 6249            | 7935N                        | 11645W        | 19.4         | 201.7        | GGGG                               |                     |                      | 81                      | 2                      |
| 2448-21092        | 00000/0000                   | 2-20023/0126                | 04/14/76         | 10             | 6249            | 7847N                        | 12318W        | 20.6         | 195.1        | GGGG                               |                     |                      | 81                      | 3                      |
| 2448-21094        | 00000/0000                   | 2-20023/0127                | 04/14/76         | 20             | 6249            | 7751N                        | 12856W        | 21.7         | 189.3        | GGGG                               |                     |                      | 81                      | 4                      |
| 2448-21101        | 00000/0000                   | 2-20023/0128                | 04/14/76         | 70             | 6249            | 7650N                        | 13343W        | 22.8         | 184.3        | FGGG                               |                     |                      | 81                      | 5                      |
| 2448-21103        | 00000/0000                   | 2-20023/0129                | 04/14/76         | 80             | 6249            | 7544N                        | 13751W        | 24.0         | 180.0        | GGGG                               |                     |                      | 82                      | 6                      |
| 2448-21110        | 00000/0000                   | 2-20023/0130                | 04/14/76         | 80             | 6249            | 7435N                        | 14123W        | 25.1         | 176.3        | GGGG                               |                     |                      | 82                      | 7                      |
| 2448-21115        | 00000/0000                   | 2-20023/0131                | 04/14/76         | 10             | 6249            | 7209N                        | 14708W        | 27.3         | 170.0        | GGGG                               |                     |                      | 82                      | 9                      |
| 2449-02304        | 00000/0000                   | 2-20023/0181                | 04/15/76         | 10             | 6252            | 4153N                        | 11202E        | 48.3         | 131.7        | GGGG                               |                     |                      | 136                     | 31                     |
| 2449-02313        | 00000/0000                   | 2-20023/0182                | 04/15/76         | 0              | 6252            | 3901N                        | 11102E        | 49.7         | 128.3        | GGGG                               |                     |                      | 136                     | 33                     |
| 2449-02320        | 00000/0000                   | 2-20023/0183                | 04/15/76         | 10             | 6252            | 3735N                        | 11034E        | 50.4         | 126.5        | GGGG                               |                     |                      | 136                     | 34                     |
| 2449-02322        | 00000/0000                   | 2-20023/0184                | 04/15/76         | 80             | 6252            | 3610N                        | 11007E        | 51.0         | 124.6        | GGGG                               |                     |                      | 136                     | 35                     |
| 2449-02325        | 00000/0000                   | 2-20023/0185                | 04/15/76         | 20             | 6252            | 3444N                        | 10940E        | 51.5         | 122.8        | FGFG                               |                     |                      | 136                     | 36                     |
| 2449-02331        | 00000/0000                   | 2-20023/0186                | 04/15/76         | 20             | 6252            | 3318N                        | 10914E        | 52.0         | 120.8        | FGGG                               |                     |                      | 136                     | 37                     |
| 2449-02334        | 00000/0000                   | 2-20023/0187                | 04/15/76         | 10             | 6252            | 3152N                        | 10848E        | 52.5         | 118.9        | GGGG                               |                     |                      | 136                     | 38                     |
| 2449-02340        | 00000/0000                   | 2-20023/0188                | 04/15/76         | 80             | 6252            | 3026N                        | 10823E        | 53.0         | 116.9        | GGGG                               |                     |                      | 136                     | 39                     |
| 2449-02343        | 00000/0000                   | 2-20023/0189                | 04/15/76         | 90             | 6252            | 2859N                        | 10759E        | 53.4         | 114.8        | GGGG                               |                     |                      | 136                     | 40                     |
| 2449-02345        | 00000/0000                   | 2-20023/0190                | 04/15/76         | 90             | 6252            | 2733N                        | 10735E        | 53.7         | 112.8        | FGGG                               |                     |                      | 136                     | 41                     |
| 2449-02352        | 00000/0000                   | 2-20023/0191                | 04/15/76         | 90             | 6252            | 2607N                        | 10712E        | 54.0         | 110.7        | FFFG                               |                     |                      | 136                     | 42                     |
| 2449-02354        | 00000/0000                   | 2-20023/0192                | 04/15/76         | 70             | 6252            | 2440N                        | 10649E        | 54.2         | 108.6        | GGGG                               |                     |                      | 136                     | 43                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANOSAT-2  
OBSERVATION ID LISTING  
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FROM 01/22/76 TO 01/22/77

PAGE 015R

| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | LONG  | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2449-04131        | 30000/0000                                     | 2-20023/0193     | 04/15/76       | 40              | 6253                               | 4444N | 08717E       | 46.9         | 135.1             | GGGG        |                     |                      | 154                     | 29                     |
| 2449-04133        | 30000/0000                                     | 2-20023/0194     | 04/15/76       | 30              | 6253                               | 4319N | 08644E       | 47.6         | 133.4             | GFFG        |                     |                      | 154                     | 30                     |
| 2449-04140        | 30000/0000                                     | 2-20023/0195     | 04/15/76       | 20              | 6253                               | 4142N | 08613E       | 48.4         | 131.7             | FFFG        |                     |                      | 154                     | 31                     |
| 2449-05533        | 30000/0000                                     | 2-20023/0206     | 04/15/76       | 20              | 6254                               | 5437N | 06600E       | 40.8         | 145.9             | GGGG        |                     |                      | 172                     | 22                     |
| 2449-05535        | 30000/0000                                     | 2-20023/0207     | 04/15/76       | 30              | 6254                               | 5313N | 06516E       | 41.8         | 144.4             | GGGG        |                     |                      | 172                     | 23                     |
| 2449-05542        | 30000/0000                                     | 2-20023/0208     | 04/15/76       | 10              | 6254                               | 5149N | 06434E       | 42.7         | 142.9             | GGGG        |                     |                      | 172                     | 24                     |
| 2449-05544        | 30000/0000                                     | 2-20023/0209     | 04/15/76       | 10              | 6254                               | 5024N | 06353E       | 43.6         | 141.4             | GGGG        |                     |                      | 172                     | 25                     |
| 2449-05565        | 30000/0000                                     | 2-20023/0210     | 04/15/76       | 90              | 6254                               | 4318N | 06054E       | 47.7         | 133.4             | GGGF        |                     |                      | 172                     | 30                     |
| 2449-05571        | 30000/0000                                     | 2-20023/0211     | 04/15/76       | 80              | 6254                               | 4153N | 06023E       | 48.4         | 131.7             | GGFG        |                     |                      | 172                     | 31                     |
| 2449-05574        | 30000/0000                                     | 2-20023/0212     | 04/15/76       | 70              | 6254                               | 4027N | 05953E       | 49.1         | 130.0             | GGGF        |                     |                      | 172                     | 32                     |
| 2449-05580        | 30000/0000                                     | 2-20023/0213     | 04/15/76       | 80              | 6254                               | 3902N | 05924E       | 49.8         | 128.2             | GGGG        |                     |                      | 172                     | 33                     |
| 2449-05583        | 30000/0000                                     | 2-20023/0214     | 04/15/76       | 40              | 6254                               | 3735N | 05855E       | 50.4         | 126.4             | GFFG        |                     |                      | 172                     | 34                     |
| 2449-07365        | 30000/0000                                     | 2-20023/0348     | 04/15/76       | 0               | 6255                               | 5435N | 04012E       | 40.9         | 145.8             | GGGG        |                     |                      | 190                     | 22                     |
| 2449-07371        | 30000/0000                                     | 2-20023/0349     | 04/15/76       | 10              | 6255                               | 5310N | 03927E       | 41.8         | 144.3             | GGGG        |                     |                      | 190                     | 23                     |
| 2449-07374        | 30000/0000                                     | 2-20023/0350     | 04/15/76       | 60              | 6255                               | 5145N | 03845E       | 42.7         | 142.8             | GGFF        |                     |                      | 190                     | 24                     |
| 2449-07380        | 30000/0000                                     | 2-20023/0351     | 04/15/76       | 90              | 6255                               | 5020N | 03804E       | 43.6         | 141.3             | FGGG        |                     |                      | 190                     | 25                     |
| 2449-07383        | 30000/0000                                     | 2-20023/0352     | 04/15/76       | 90              | 6255                               | 4855N | 03725E       | 44.5         | 139.7             | GGGF        |                     |                      | 190                     | 26                     |
| 2449-07385        | 30000/0000                                     | 2-20023/0353     | 04/15/76       | 80              | 6255                               | 4730N | 03648E       | 45.3         | 138.2             | GGGG        |                     |                      | 190                     | 27                     |
| 2449-07392        | 30000/0000                                     | 2-20023/0354     | 04/15/76       | 30              | 6255                               | 4605N | 03612E       | 46.2         | 136.6             | GGGG        |                     |                      | 190                     | 28                     |
| 2449-07394        | 30000/0000                                     | 2-20023/0355     | 04/15/76       | 20              | 6255                               | 4429N | 03538E       | 47.0         | 135.0             | GGGG        |                     |                      | 190                     | 29                     |
| 2449-09162        | 30000/0000                                     | 2-20022/1792     | 04/15/76       | 10              | 6256                               | 6655N | 02409E       | 31.9         | 160.7             | G GG        |                     |                      | 208                     | 13                     |
| 2449-09164        | 30000/0000                                     | 2-20022/1795     | 04/15/76       | 10              | 6256                               | 6535N | 02240E       | 32.9         | 158.8             | GGGG        |                     |                      | 208                     | 14                     |
| 2449-09312        | 30000/0000                                     | 2-20022/1796     | 04/15/76       | 10              | 6256                               | 1566N | 00122E       | 54.7         | 95.4              | GGGG        |                     |                      | 208                     | 49                     |
| 2449-09314        | 30000/0000                                     | 2-20022/1797     | 04/15/76       | 10              | 6256                               | 1430N | 00101E       | 54.5         | 93.3              | FGGG        |                     |                      | 208                     | 50                     |
| 2449-09321        | 30000/0000                                     | 2-20022/1798     | 04/15/76       | 70              | 6256                               | 1303N | 00040E       | 54.4         | 91.2              | FGGG        |                     |                      | 208                     | 51                     |
| 2449-09323        | 30000/0000                                     | 2-20022/1799     | 04/15/76       | 60              | 6256                               | 1136N | 00019E       | 54.1         | 89.2              | GGGG        |                     |                      | 208                     | 52                     |
| 2449-09330        | 30000/0000                                     | 2-20022/1800     | 04/15/76       | 30              | 6256                               | 1009N | 00000E       | 53.9         | 87.1              | GGGF        |                     |                      | 208                     | 53                     |
| 2449-14310        | 30000/0000                                     | 2-20023/0227     | 04/15/76       | 10              | 6259                               | 5022N | 06513W       | 43.7         | 141.3             | GGGG        |                     |                      | 11                      | 25                     |
| 2449-14313        | 30000/0000                                     | 2-20023/0228     | 04/15/76       | 10              | 6259                               | 4857N | 06552W       | 44.6         | 139.7             | GFFG        |                     |                      | 11                      | 26                     |
| 2449-14342        | 30000/0000                                     | 2-20023/0229     | 04/15/76       | 20              | 6259                               | 3858N | 06941W       | 49.9         | 128.1             | FGGF        |                     |                      | 11                      | 33                     |
| 2449-14345        | 30000/0000                                     | 2-20023/0230     | 04/15/76       | 30              | 6259                               | 3733N | 07009W       | 50.5         | 126.3             | GGFG        |                     |                      | 11                      | 34                     |
| 2449-14351        | 30000/0000                                     | 2-20023/0231     | 04/15/76       | 30              | 6259                               | 3607N | 07037W       | 51.1         | 124.4             | GGFG        |                     |                      | 11                      | 35                     |
| 2449-14354        | 30000/0000                                     | 2-20023/0232     | 04/15/76       | 20              | 6259                               | 3442N | 07103W       | 51.7         | 122.5             | GFFG        |                     |                      | 11                      | 36                     |
| 2449-14360        | 30000/0000                                     | 2-20023/0233     | 04/15/76       | 30              | 6259                               | 3316N | 07129W       | 52.2         | 120.6             | GGGG        |                     |                      | 11                      | 37                     |
| 2449-14363        | 30000/0000                                     | 2-20023/0234     | 04/15/76       | 20              | 6259                               | 3150N | 07155W       | 52.7         | 118.6             | GGGG        |                     |                      | 11                      | 38                     |
| 2449-14365        | 30000/0000                                     | 2-20023/0235     | 04/15/76       | 10              | 6259                               | 3024N | 07220W       | 53.1         | 116.6             | GGGG        |                     |                      | 11                      | 39                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI NO./<br>POSITION IN RELI<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|----------------------------------------------------|------------------|----------------|---------------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2449-14372        | 00000/0000 2-20023/0236                            | 04/15/76         | 20             | 6259                | 2857N 07244W                            | 53.5         | 114.6        | GGGG                               |                     |                      | 11                      | 40                     |
| 2449-14374        | 00000/0000 2-20023/0242                            | 04/15/76         | 40             | 6259                | 2730N 07307W                            | 53.8         | 112.5        | GF                                 |                     |                      | 11                      | 41                     |
| 2449-14381        | 00000/0000 2-20023/0237                            | 04/15/76         | 40             | 6259                | 2604N 07330W                            | 54.1         | 110.4        | GGGG                               | H                   |                      | 11                      | 42                     |
| 2449-14383        | 00000/0000 2-20023/0238                            | 04/15/76         | 70             | 6259                | 2437N 07353W                            | 54.4         | 108.3        | GGGG                               | H                   |                      | 11                      | 43                     |
| 2449-14390        | 00000/0000 2-20023/0239                            | 04/15/76         | 40             | 6259                | 2311N 07415W                            | 54.5         | 106.1        | GGGG                               | H                   |                      | 11                      | 44                     |
| 2449-14392        | 00000/0000 2-20023/0240                            | 04/15/76         | 80             | 6259                | 2144N 07438W                            | 54.7         | 104.0        | FFGG                               | H                   |                      | 11                      | 45                     |
| 2449-14395        | 00000/0000 2-20022/1801                            | 04/15/76         | 40             | 6259                | 2018N 07459W                            | 54.8         | 101.8        | FGGG                               | H                   |                      | 11                      | 46                     |
| 2449-16060        | 00000/0000 2-20022/1802                            | 04/15/76         | 10             | 6260                | 7650N 05743W                            | 23.1         | 184.4        | GGGG                               |                     |                      | 28                      | 5                      |
| 2449-16142        | 00000/0000 2-20023/0241                            | 04/15/76         | 10             | 6260                | 5022N 09101W                            | 43.7         | 141.3        | GGFG                               |                     |                      | 29                      | 25                     |
| 2449-16215        | 00000/0000 2-20023/0221                            | 04/15/76         | 80             | 6260                | 2437N 09942W                            | 54.4         | 108.2        | GGGG                               |                     |                      | 29                      | 43                     |
| 2449-17571        | 00000/0000 2-20023/0243                            | 04/15/76         | 90             | 6261                | 5147N 11611W                            | 42.9         | 142.8        | FGG                                |                     |                      | 47                      | 24                     |
| 2449-17574        | 00000/0000 2-20023/0244                            | 04/15/76         | 90             | 6261                | 5022N 11652W                            | 43.8         | 141.2        | FGGG                               |                     |                      | 47                      | 25                     |
| 2450-02363        | 00000/0000 2-20024/0006                            | 04/16/76         | 30             | 6266                | 4151N 11035E                            | 48.7         | 131.5        | GGGG                               |                     |                      | 137                     | 31                     |
| 2450-02365        | 00000/0000 2-20024/0007                            | 04/16/76         | 10             | 6266                | 4025N 11004E                            | 49.4         | 129.7        | GGGG                               |                     |                      | 137                     | 32                     |
| 2450-02372        | 00000/0000 2-20024/0008                            | 04/16/76         | 10             | 6266                | 3900N 10935E                            | 50.0         | 128.0        | GGGG                               |                     |                      | 137                     | 33                     |
| 2450-02374        | 00000/0000 2-20024/0009                            | 04/16/76         | 60             | 6266                | 3734N 10907E                            | 50.7         | 126.1        | GGGG                               |                     |                      | 137                     | 34                     |
| 2450-02381        | 00000/0000 2-20024/0010                            | 04/16/76         | 20             | 6266                | 3608N 10840E                            | 51.3         | 124.3        | GGGG                               |                     |                      | 137                     | 35                     |
| 2450-02383        | 00000/0000 2-20024/0011                            | 04/16/76         | 50             | 6266                | 3442N 10813E                            | 51.8         | 122.4        | FGGG                               |                     |                      | 137                     | 36                     |
| 2450-02390        | 00000/0000 2-20024/0012                            | 04/16/76         | 60             | 6266                | 3316N 10747E                            | 52.3         | 120.4        | FFFG                               |                     |                      | 137                     | 37                     |
| 2450-02395        | 00000/0000 2-20024/0013                            | 04/16/76         | 90             | 6266                | 3024N 10657E                            | 53.2         | 116.4        | GGGG                               |                     |                      | 137                     | 39                     |
| 2450-02401        | 00000/0000 2-20024/0014                            | 04/16/76         | 70             | 6266                | 2858N 10633E                            | 53.6         | 114.4        | GGGG                               |                     |                      | 137                     | 40                     |
| 2450-02404        | 00000/0000 2-20024/0015                            | 04/16/76         | 80             | 6266                | 2731N 10609E                            | 53.9         | 112.3        | GGGG                               |                     |                      | 137                     | 41                     |
| 2450-02410        | 00000/0000 2-20024/0016                            | 04/16/76         | 60             | 6266                | 2605N 10545E                            | 54.2         | 110.2        | GGGG                               |                     |                      | 137                     | 42                     |
| 2450-02413        | 00000/0000 2-20024/0017                            | 04/16/76         | 10             | 6266                | 2438N 10523E                            | 54.5         | 108.0        | GGGG                               |                     |                      | 137                     | 43                     |
| 2450-02415        | 00000/0000 2-20024/0018                            | 04/16/76         | 20             | 6266                | 2311N 10500E                            | 54.6         | 105.9        | GGGG                               |                     |                      | 137                     | 44                     |
| 2450-04144        | 00000/0000 2-20024/0019                            | 04/16/76         | 90             | 6267                | 5847N 09257E                            | 38.3         | 150.4        | GGGG                               |                     |                      | 155                     | 19                     |
| 2450-04151        | 00000/0000 2-20024/0020                            | 04/16/76         | 90             | 6267                | 5724N 09202E                            | 39.3         | 148.9        | GGGG                               |                     |                      | 155                     | 20                     |
| 2450-04153        | 00000/0000 2-20024/0021                            | 04/16/76         | 90             | 6267                | 5600N 09110E                            | 40.2         | 147.3        | GGGG                               |                     |                      | 155                     | 21                     |
| 2450-04160        | 00000/0000 2-20023/0248                            | 04/16/76         | 70             | 6267                | 5436N 09022E                            | 41.2         | 145.8        | FGG                                |                     |                      | 155                     | 22                     |
| 2450-04162        | 00000/0000 2-20023/0249                            | 04/16/76         | 90             | 6267                | 5312N 08937E                            | 42.1         | 144.3        | FFF                                |                     |                      | 155                     | 23                     |
| 2450-04165        | 00000/0000 2-20023/0250                            | 04/16/76         | 90             | 6267                | 5147N 08855E                            | 43.0         | 142.7        | FGFF                               |                     |                      | 155                     | 24                     |
| 2450-04171        | 00000/0000 2-20023/0251                            | 04/16/76         | 70             | 6267                | 5023N 08815E                            | 43.9         | 141.2        | FGGG                               |                     |                      | 155                     | 25                     |
| 2450-04174        | 00000/0000 2-20023/0252                            | 04/16/76         | 10             | 6267                | 4858N 08737E                            | 44.8         | 139.6        | GGGG                               |                     |                      | 155                     | 26                     |
| 2450-04180        | 00000/0000 2-20023/0253                            | 04/16/76         | 10             | 6267                | 4733N 08700E                            | 45.6         | 138.1        | GGGG                               |                     |                      | 155                     | 27                     |
| 2450-04183        | 00000/0000 2-20023/0254                            | 04/16/76         | 10             | 6267                | 4647N 08625E                            | 46.4         | 136.5        | GGGG                               |                     |                      | 155                     | 28                     |
| 2450-04185        | 00000/0000 2-20023/0255                            | 04/16/76         | 10             | 6267                | 4442N 08550E                            | 47.2         | 134.8        | GGGG                               |                     |                      | 155                     | 29                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS AND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANHSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                                                |                  |                |                 |                                    |              |              | 123 45678         |                     |                      |                         |                        |
| 2450-04192        | 00000/0000                                     | 2-20023/0256     | 04/16/76       | 10              | 6267                               | 4316N        | 08517E       | 48.0 133.2        | GGGG                |                      | 155                     | 30                     |
| 2450-04330        | 00000/0000                                     | 2-20023/0257     | 04/16/76       | 10              | 6267                               | 0415S        | 07240E       | 48.6 69.4         | GGGF                | H                    | 155                     | 63                     |
| 2450-04333        | 00000/0000                                     | 2-20023/0258     | 04/16/76       | 10              | 6267                               | 0542S        | 07220E       | 47.8 68.0         | GGGF                | H                    | 155                     | 64                     |
| 2450-04335        | 00000/0000                                     | 2-20023/0259     | 04/16/76       | 20              | 6267                               | 0709S        | 07200E       | 47.1 66.7         | GGGG                | H                    | 155                     | 65                     |
| 2450-04342        | 00000/0000                                     | 2-20023/0260     | 04/16/76       | 20              | 6267                               | 0836S        | 07140E       | 46.3 65.4         | GGGF                | H                    | 155                     | 66                     |
| 2450-05580        | 00000/0000                                     | 2-20023/0261     | 04/16/76       | 10              | 6268                               | 5846N        | 06708E       | 38.3 150.4        | GGGG                |                      | 173                     | 19                     |
| 2450-05582        | 00000/0000                                     | 2-20023/0262     | 04/16/76       | 0               | 6268                               | 5723N        | 06613E       | 39.3 148.9        | GGGG                |                      | 173                     | 20                     |
| 2450-05585        | 00000/0000                                     | 2-20023/0263     | 04/16/76       | 10              | 6268                               | 5559N        | 06522E       | 40.3 147.3        | FGGG                |                      | 173                     | 21                     |
| 2450-05591        | 00000/0000                                     | 2-20023/0264     | 04/16/76       | 70              | 6268                               | 5435N        | 06434E       | 41.2 145.8        | GGGG                |                      | 173                     | 22                     |
| 2450-05594        | 00000/0000                                     | 2-20023/0265     | 04/16/76       | 80              | 6268                               | 5310N        | 06349E       | 42.1 144.3        | GGGG                |                      | 173                     | 23                     |
| 2450-06000        | 00000/0000                                     | 2-20023/0266     | 04/16/76       | 80              | 6268                               | 5146N        | 06307E       | 43.0 142.7        | GGGG                |                      | 173                     | 24                     |
| 2450-06003        | 00000/0000                                     | 2-20023/0267     | 04/16/76       | 90              | 6268                               | 5022N        | 06226E       | 43.9 141.2        | GGGG                |                      | 173                     | 25                     |
| 2450-06005        | 00000/0000                                     | 2-20023/0268     | 04/16/76       | 90              | 6268                               | 4857N        | 06147E       | 44.8 139.6        | GGGG                |                      | 173                     | 26                     |
| 2450-06023        | 00000/0000                                     | 2-20023/0269     | 04/16/76       | 80              | 6268                               | 4317N        | 05929E       | 48.0 133.1        | GGGG                |                      | 173                     | 30                     |
| 2450-06030        | 00000/0000                                     | 2-20023/0270     | 04/16/76       | 80              | 6268                               | 4152N        | 05858E       | 48.7 131.4        | GGGG                |                      | 173                     | 31                     |
| 2450-06032        | 00000/0000                                     | 2-20023/0271     | 04/16/76       | 80              | 6268                               | 4026N        | 05827E       | 49.4 129.7        | GGGG                |                      | 173                     | 32                     |
| 2450-06035        | 00000/0000                                     | 2-20023/0272     | 04/16/76       | 100             | 6268                               | 3900N        | 05757E       | 50.1 127.9        | G GG                |                      | 173                     | 33                     |
| 2450-06041        | 00000/0000                                     | 2-20023/0273     | 04/16/76       | 100             | 6268                               | 3734N        | 05729E       | 50.7 126.1        | GGGG                |                      | 173                     | 34                     |
| 2450-06044        | 00000/0000                                     | 2-20023/0274     | 04/16/76       | 100             | 6268                               | 3608N        | 05701E       | 51.3 124.2        | GGGG                |                      | 173                     | 35                     |
| 2450-06050        | 00000/0000                                     | 2-20023/0275     | 04/16/76       | 100             | 6268                               | 3443N        | 05634E       | 51.9 122.3        | GGGG                |                      | 173                     | 36                     |
| 2450-06053        | 00000/0000                                     | 2-20023/0276     | 04/16/76       | 100             | 6268                               | 3317N        | 05608E       | 52.4 120.4        | FGGG                |                      | 173                     | 37                     |
| 2450-06055        | 00000/0000                                     | 2-20023/0277     | 04/16/76       | 100             | 6268                               | 3150N        | 05543E       | 52.9 118.4        | GGGG                |                      | 173                     | 38                     |
| 2450-06062        | 00000/0000                                     | 2-20023/0278     | 04/16/76       | 80              | 6268                               | 3022N        | 05518E       | 53.3 116.4        | GGGG                |                      | 173                     | 39                     |
| 2450-06064        | 00000/0000                                     | 2-20023/0279     | 04/16/76       | 30              | 6268                               | 2856N        | 05454E       | 53.7 114.3        | GGGG                |                      | 173                     | 40                     |
| 2450-06071        | 00000/0000                                     | 2-20023/0280     | 04/16/76       | 40              | 6268                               | 2730N        | 05430E       | 54.0 112.2        | FGGG                |                      | 173                     | 41                     |
| 2450-07405        | 00000/0000                                     | 2-20023/0333     | 04/16/76       | 10              | 6269                               | 6010N        | 04219E       | 37.3 152.0        | GGGG                |                      | 191                     | 18                     |
| 2450-07411        | 00000/0000                                     | 2-20023/0334     | 04/16/76       | 10              | 6269                               | 5847N        | 04120E       | 38.3 150.4        | GGGG                |                      | 191                     | 19                     |
| 2450-07414        | 00000/0000                                     | 2-20023/0335     | 04/16/76       | 10              | 6269                               | 5724N        | 04025E       | 39.3 148.9        | GGGG                |                      | 191                     | 20                     |
| 2450-07420        | 00000/0000                                     | 2-20023/0336     | 04/16/76       | 0               | 6269                               | 5600N        | 03934E       | 40.3 147.3        | GGGG                |                      | 191                     | 21                     |
| 2450-07423        | 00000/0000                                     | 2-20023/0337     | 04/16/76       | 10              | 6269                               | 5436N        | 03845E       | 41.2 145.8        | GGGG                |                      | 191                     | 22                     |
| 2450-07425        | 00000/0000                                     | 2-20023/0338     | 04/16/76       | 20              | 6269                               | 5312N        | 03800E       | 42.2 144.3        | GGGG                |                      | 191                     | 23                     |
| 2450-07432        | 00000/0000                                     | 2-20023/0339     | 04/16/76       | 70              | 6269                               | 5147N        | 03718E       | 43.1 142.7        | GGGG                |                      | 191                     | 24                     |
| 2450-07434        | 00000/0000                                     | 2-20023/0340     | 04/16/76       | 90              | 6269                               | 5022N        | 03638E       | 44.0 141.2        | GGGG                |                      | 191                     | 25                     |
| 2450-07441        | 00000/0000                                     | 2-20023/0341     | 04/16/76       | 90              | 6269                               | 4857N        | 03559E       | 44.8 139.6        | GGGG                |                      | 191                     | 26                     |
| 2450-07443        | 00000/0000                                     | 2-20023/0283     | 04/16/76       | 90              | 6269                               | 4732N        | 03522E       | 45.7 138.0        | FFGG                |                      | 191                     | 27                     |
| 2450-07450        | 00000/0000                                     | 2-20023/0284     | 04/16/76       | 100             | 6269                               | 4607N        | 03447E       | 46.5 136.4        | FGGG                |                      | 191                     | 28                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2450-07452        | 00000/0000                                     | 2-20023/0285     | 04/16/76    | 90              | 6269                               | 4441N                               | 03413E       | 47.3         | 134.8             | GGGG        |                     |                      |                         |                        |
| 2450-09275        | 00000/0000                                     | 2-20023/0286     | 04/16/76    | 20              | 6270                               | 4732N                               | 00432E       | 45.7         | 138.0             | GGGG        |                     |                      | 191                     | 29                     |
| 2450-09370        | 00000/0000                                     | 2-20023/0287     | 04/16/76    | 0               | 6270                               | 1559N                               | 00001W       | 54.8         | 94.9              | GGGG        |                     |                      | 209                     | 27                     |
| 2450-09372        | 00000/0000                                     | 2-20023/0288     | 04/16/76    | 0               | 6270                               | 1433N                               | 00023W       | 54.7         | 92.8              | GGGG        |                     |                      | 209                     | 49                     |
| 2450-09375        | 00000/0000                                     | 2-20023/0289     | 04/16/76    | 20              | 6270                               | 1306N                               | 00044W       | 54.5         | 90.7              | GGGG        |                     |                      | 209                     | 50                     |
| 2450-09381        | 00000/0000                                     | 2-20023/0290     | 04/16/76    | 60              | 6270                               | 1138N                               | 00105W       | 54.2         | 88.6              | FFFF        |                     |                      | 209                     | 51                     |
| 2450-09384        | 00000/0000                                     | 2-20023/0291     | 04/16/76    | 70              | 6270                               | 1010N                               | 00126W       | 53.9         | 86.6              | GGGG        |                     |                      | 209                     | 52                     |
| 2450-14301        | 00000/0000                                     | 2-20023/0292     | 04/16/76    | 100             | 6273                               | 7210N                               | 04641W       | 27.9         | 170.1             | GGGG        |                     |                      | 209                     | 53                     |
| 2450-14303        | 00000/0000                                     | 2-20023/0293     | 04/16/76    | 90              | 6273                               | 7055N                               | 04901W       | 29.0         | 167.5             | GGFG        |                     |                      | 12                      | 9                      |
| 2450-14310        | 00000/0000                                     | 2-20023/0294     | 04/16/76    | 40              | 6273                               | 6947N                               | 05105W       | 30.1         | 165.1             | GGGG        |                     |                      | 12                      | 10                     |
| 2450-14312        | 00000/0000                                     | 2-20023/0295     | 04/16/76    | 90              | 6273                               | 6819N                               | 05256W       | 31.2         | 162.8             | GGGF        |                     |                      | 12                      | 11                     |
| 2450-14315        | 00000/0000                                     | 2-20023/0296     | 04/16/76    | 90              | 6273                               | 6659N                               | 05435W       | 32.2         | 160.8             | GGGG        |                     |                      | 12                      | 12                     |
| 2450-14321        | 00000/0000                                     | 2-20023/0297     | 04/16/76    | 90              | 6273                               | 6539N                               | 05605W       | 33.3         | 158.9             | GGGG        |                     |                      | 12                      | 13                     |
| 2450-14362        | 00000/0000                                     | 2-20023/0302     | 04/16/76    | 70              | 6273                               | 5150N                               | 06556W       | 43.2         | 142.7             | FFFG        |                     |                      | 12                      | 14                     |
| 2450-14365        | 00000/0000                                     | 2-20023/0303     | 04/16/76    | 30              | 6273                               | 5025N                               | 06637W       | 44.0         | 141.2             | GGGG        |                     |                      | 12                      | 24                     |
| 2450-14371        | 00000/0000                                     | 2-20023/0304     | 04/16/76    | 50              | 6273                               | 4900N                               | 06716W       | 44.9         | 139.6             | GGGG        |                     |                      | 12                      | 25                     |
| 2450-14412        | 00000/0000                                     | 2-20023/0305     | 04/16/76    | 50              | 6273                               | 3443N                               | 07228W       | 52.0         | 122.2             | GGGG        |                     |                      | 12                      | 26                     |
| 2450-14415        | 00000/0000                                     | 2-20023/0306     | 04/16/76    | 10              | 6273                               | 3317N                               | 07254W       | 52.5         | 120.3             | GGGG        |                     |                      | 12                      | 36                     |
| 2450-14421        | 00000/0000                                     | 2-20023/0307     | 04/16/76    | 10              | 6273                               | 3151N                               | 07319W       | 52.9         | 118.3             | GGGG        |                     |                      | 12                      | 37                     |
| 2450-14424        | 00000/0000                                     | 2-20023/0308     | 04/16/76    | 30              | 6273                               | 3025N                               | 07344W       | 53.4         | 116.2             | GGGG        |                     |                      | 12                      | 38                     |
| 2450-14430        | 00000/0000                                     | 2-20023/0309     | 04/16/76    | 40              | 6273                               | 2848N                               | 07408W       | 53.7         | 114.2             | GGGG        |                     |                      | 12                      | 39                     |
| 2450-14433        | 00000/0000                                     | 2-20023/0310     | 04/16/76    | 30              | 6273                               | 2731N                               | 07432W       | 54.1         | 112.1             | GGGG        |                     |                      | 12                      | 40                     |
| 2450-14435        | 00000/0000                                     | 2-20023/0311     | 04/16/76    | 30              | 6273                               | 2605N                               | 07455W       | 54.3         | 110.0             | GGGG        |                     |                      | 12                      | 41                     |
| 2450-16200        | 00000/0000                                     | 2-20023/0312     | 04/16/76    | 100             | 6274                               | 5023N                               | 09227W       | 44.1         | 141.2             | GGGG        |                     |                      | 12                      | 42                     |
| 2450-18025        | 00000/0000                                     | 2-20023/0245     | 04/16/76    | 70              | 6275                               | 5148N                               | 11734W       | 43.2         | 142.7             | GGGG        |                     |                      | 30                      | 25                     |
| 2450-18032        | 00000/0000                                     | 2-20023/0246     | 04/16/76    | 90              | 6275                               | 5023N                               | 11815W       | 44.1         | 141.1             | GGGG        |                     |                      | 48                      | 26                     |
| 2450-21193        | 00000/0000                                     | 2-20023/0462     | 04/16/76    | 10              | 6277                               | 8046N                               | 10342W       | 17.8         | 217.9             | GGGG        |                     |                      | 48                      | 25                     |
| 2450-21195        | 00000/0000                                     | 2-20023/0463     | 04/16/76    | 40              | 6277                               | 8017N                               | 11207W       | 19.0         | 209.5             | GGGF        |                     |                      | 70                      | 247                    |
| 2450-21202        | 00000/0000                                     | 2-20023/0464     | 04/16/76    | 10              | 6277                               | 7937N                               | 11938W       | 20.1         | 201.9             | GGGG        |                     |                      | 70                      | 248                    |
| 2450-21204        | 00000/0000                                     | 2-20023/0465     | 04/16/76    | 0               | 6277                               | 7848N                               | 12612W       | 21.3         | 195.3             | GGFG        |                     |                      | 83                      | 2                      |
| 2450-21211        | 00000/0000                                     | 2-20023/0466     | 04/16/76    | 10              | 6277                               | 7752N                               | 13149W       | 22.4         | 189.5             | GGGG        |                     |                      | 83                      | 3                      |
| 2450-21213        | 00000/0000                                     | 2-20023/0467     | 04/16/76    | 10              | 6277                               | 7650N                               | 13637W       | 23.5         | 184.5             | GGGG        |                     |                      | 83                      | 4                      |
| 2450-21220        | 00000/0000                                     | 2-20023/0468     | 04/16/76    | 10              | 6277                               | 7544N                               | 14043W       | 24.7         | 180.2             | GGGG        |                     |                      | 84                      | 5                      |
| 2450-21222        | 00000/0000                                     | 2-20023/0469     | 04/16/76    | 10              | 6277                               | 7435N                               | 14415W       | 25.8         | 176.4             | GGGG        |                     |                      | 84                      | 6                      |
| 2450-21225        | 00000/0000                                     | 2-20023/0470     | 04/16/76    | 10              | 6277                               | 7323N                               | 14719W       | 26.9         | 173.1             | GGGG        |                     |                      | 84                      | 7                      |
| 2450-21231        | 00000/0000                                     | 2-20023/0471     | 04/16/76    | 10              | 6277                               | 7209N                               | 15000W       | 28.0         | 170.1             | GGGG        |                     |                      | 84                      | 8                      |
|                   |                                                |                  |             |                 |                                    |                                     |              |              |                   |             |                     |                      | 84                      | 9                      |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 177

LANOSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI. NO./<br>POSITION IN RELI<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-----------------------------------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2451-01080        | 00000/0000 2-20023/0298                             | 04/17/76         | 40             | 6279            | 1011N 12614E                            | 54.0         | 86.2         | GGGG                  |                     |                      |                         |                        |
| 2451-01083        | 00000/0000 2-20023/0299                             | 04/17/76         | 40             | 6279            | 0844N 12553E                            | 53.6         | 84.2         | GGGG                  |                     |                      | 120                     | 53                     |
| 2451-01085        | 00000/0000 2-20023/0300                             | 04/17/76         | 30             | 6279            | 0718N 12532E                            | 53.2         | 82.3         | GGGG                  |                     |                      | 120                     | 54                     |
| 2451-02421        | 00000/0000 2-20023/0301                             | 04/17/76         | 100            | 6280            | 4149N 10908E                            | 49.0         | 131.2        | GGGG                  |                     |                      | 120                     | 55                     |
| 2451-02423        | 00000/0000 2-20023/0313                             | 04/17/76         | 90             | 6280            | 4024N 10838E                            | 49.7         | 129.4        | GGGG                  |                     |                      | 138                     | 31                     |
| 2451-02430        | 00000/0000 2-20023/0314                             | 04/17/76         | 90             | 6280            | 3858N 10808E                            | 50.4         | 127.6        | GGGG                  |                     |                      | 138                     | 32                     |
| 2451-02432        | 00000/0000 2-20023/0315                             | 04/17/76         | 90             | 6280            | 3732N 10740E                            | 51.0         | 125.8        | FFGG                  |                     |                      | 138                     | 33                     |
| 2451-02435        | 00000/0000 2-20023/0316                             | 04/17/76         | 90             | 6280            | 3607N 10712E                            | 51.6         | 123.9        | FFGG                  |                     |                      | 138                     | 34                     |
| 2451-02441        | 00000/0000 2-20023/0317                             | 04/17/76         | 90             | 6280            | 3441N 10646E                            | 52.1         | 122.0        | GGGG                  |                     |                      | 138                     | 35                     |
| 2451-02444        | 00000/0000 2-20023/0318                             | 04/17/76         | 80             | 6280            | 3314N 10620E                            | 52.6         | 120.0        | GGGG                  |                     |                      | 138                     | 36                     |
| 2451-02450        | 00000/0000 2-20023/0319                             | 04/17/76         | 50             | 6280            | 3148N 10555E                            | 53.1         | 118.0        | FGGG                  |                     |                      | 138                     | 37                     |
| 2451-02453        | 00000/0000 2-20023/0320                             | 04/17/76         | 30             | 6280            | 3022N 10530E                            | 53.5         | 116.0        | FGGG                  |                     |                      | 138                     | 38                     |
| 2451-02455        | 00000/0000 2-20023/0321                             | 04/17/76         | 20             | 6280            | 2856N 10506E                            | 53.9         | 113.9        | GGGG                  |                     |                      | 138                     | 39                     |
| 2451-02462        | 00000/0000 2-20023/0322                             | 04/17/76         | 20             | 6280            | 2729N 10442E                            | 54.2         | 111.8        | GGGG                  |                     |                      | 138                     | 40                     |
| 2451-02464        | 00000/0000 2-20023/0323                             | 04/17/76         | 10             | 6280            | 2603N 10419E                            | 54.5         | 109.7        | GGGG                  |                     |                      | 138                     | 41                     |
| 2451-02471        | 00000/0000 2-20023/0324                             | 04/17/76         | 10             | 6280            | 2437N 10356E                            | 54.7         | 107.5        | GGGG                  |                     |                      | 138                     | 42                     |
| 2451-02473        | 00000/0000 2-20023/0325                             | 04/17/76         | 10             | 6280            | 2310N 10333E                            | 54.8         | 105.3        | GGG                   |                     |                      | 138                     | 43                     |
| 2451-04234        | 00000/0000 2-20023/0326                             | 04/17/76         | 60             | 6281            | 4731N 08532E                            | 46.0         | 137.9        | GGGF                  |                     |                      | 156                     | 44                     |
| 2451-04241        | 00000/0000 2-20023/0327                             | 04/17/76         | 90             | 6281            | 4606N 08456E                            | 46.8         | 136.2        | GGGG                  |                     |                      | 156                     | 27                     |
| 2451-04243        | 00000/0000 2-20023/0328                             | 04/17/76         | 80             | 6281            | 4440N 08422E                            | 47.6         | 134.6        | GGGG                  |                     |                      | 156                     | 28                     |
| 2451-04250        | 00000/0000 2-20023/0329                             | 04/17/76         | 40             | 6281            | 4315N 08348E                            | 48.3         | 132.9        | GGGG                  |                     |                      | 156                     | 29                     |
| 2451-04252        | 00000/0000 2-20023/0330                             | 04/17/76         | 70             | 6281            | 4149N 08317E                            | 49.0         | 131.2        | GGGG                  |                     |                      | 156                     | 30                     |
| 2451-04391        | 00000/0000 2-20023/0331                             | 04/17/76         | 30             | 6281            | 0543S 07053E                            | 47.8         | 67.5         | FGGG                  |                     |                      | 156                     | 31                     |
| 2451-04393        | 00000/0000 2-20023/0332                             | 04/17/76         | 30             | 6281            | 0710S 07033E                            | 47.0         | 66.1         | GGGG                  |                     |                      | 156                     | 64                     |
| 2451-06050        | 00000/0000 2-20023/0334                             | 04/17/76         | 20             | 6282            | 5434N 06307E                            | 41.6         | 145.7        | GGGG                  |                     |                      | 174                     | 65                     |
| 2451-06052        | 00000/0000 2-20023/0343                             | 04/17/76         | 40             | 6282            | 5311N 06221E                            | 42.5         | 144.1        | GGGG                  |                     |                      | 174                     | 22                     |
| 2451-06055        | 00000/0000 2-20023/0344                             | 04/17/76         | 80             | 6282            | 5147N 06138E                            | 43.4         | 142.6        | GGGG                  |                     |                      | 174                     | 23                     |
| 2451-06061        | 00000/0000 2-20023/0345                             | 04/17/76         | 80             | 6282            | 5021N 06057E                            | 44.3         | 141.0        | GGGG                  |                     |                      | 174                     | 24                     |
| 2451-06093        | 00000/0000 2-20023/0346                             | 04/17/76         | 90             | 6282            | 3857N 05629E                            | 50.4         | 127.6        | GGFG                  |                     |                      | 174                     | 25                     |
| 2451-07411        | 00000/0000 2-20024/0078                             | 04/17/76         | 20             | 6283            | 7651N 06842E                            | 23.7         | 184.6        | G                     |                     |                      | 191                     | 33                     |
| 2451-07472        | 00000/0000 2-20023/0475                             | 04/17/76         | 10             | 6283            | 5725N 03901E                            | 39.7         | 148.8        | G                     |                     |                      | 191                     | 5                      |
| 2451-07475        | 00000/0000 2-20023/0476                             | 04/17/76         | 0              | 6283            | 5602N 03809E                            | 40.6         | 147.3        | GGGG                  |                     |                      | 192                     | 20                     |
| 2451-07481        | 00000/0000 2-20023/0477                             | 04/17/76         | 10             | 6283            | 5437N 03721E                            | 41.6         | 145.7        | GGGG                  |                     |                      | 192                     | 21                     |
| 2451-07484        | 00000/0000 2-20023/0478                             | 04/17/76         | 10             | 6283            | 5313N 03635E                            | 42.5         | 144.2        | GGGG                  |                     |                      | 192                     | 22                     |
| 2451-07490        | 00000/0000 2-20023/0479                             | 04/17/76         | 10             | 6283            | 5149N 03553E                            | 43.4         | 142.6        | GGGG                  |                     |                      | 192                     | 23                     |
| 2451-07495        | 00000/0000 2-20023/0480                             | 04/17/76         | 50             | 6283            | 4859N 03434E                            | 45.1         | 139.5        | GGGG                  |                     |                      | 192                     | 24                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2451-07502        | 00000/0000                                     | 2-20023/0481     | 04/17/76       | 90              | 6283                               | 4774N                               | 03357E       | 46.0         | 137.9             | GGGG                |                      | 192                     | 27                     |
| 2451-07504        | 00000/0000                                     | 2-20023/0482     | 04/17/76       | 90              | 6283                               | 4679N                               | 03321E       | 46.8         | 136.3             | GGGG                |                      | 192                     | 28                     |
| 2451-09322        | 00000/0000                                     | 2-20023/0483     | 04/17/76       | 20              | 6284                               | 5148N                               | 01002E       | 43.4         | 142.6             | GGGG                |                      | 210                     | 24                     |
| 2451-09324        | 00000/0000                                     | 2-20023/0484     | 04/17/76       | 17              | 6284                               | 5023N                               | 00922E       | 44.3         | 141.1             | GGGG                |                      | 210                     | 25                     |
| 2451-09331        | 00000/0000                                     | 2-20023/0485     | 04/17/76       | 10              | 6284                               | 4858N                               | 00843E       | 45.2         | 139.5             | GGGG                |                      | 210                     | 26                     |
| 2451-09333        | 00000/0000                                     | 2-20023/0486     | 04/17/76       | 10              | 6284                               | 4733N                               | 00806E       | 46.0         | 137.9             | GGGG                |                      | 210                     | 27                     |
| 2451-09340        | 00000/0000                                     | 2-20023/0487     | 04/17/76       | 10              | 6284                               | 4608N                               | 00731E       | 46.8         | 136.3             | GGGG                |                      | 210                     | 28                     |
| 2451-09431        | 00000/0000                                     | 2-20023/0488     | 04/17/76       | 70              | 6284                               | 1434N                               | 00150W       | 54.8         | 92.2              | GGGG                |                      | 210                     | 50                     |
| 2451-09433        | 00000/0000                                     | 2-20023/0489     | 04/17/76       | 70              | 6284                               | 1377N                               | 00210W       | 54.6         | 90.1              | FFFF                |                      | 210                     | 51                     |
| 2451-14355        | 00000/0000                                     | 2-20023/0490     | 04/17/76       | 100             | 6287                               | 7209N                               | 04808W       | 28.3         | 170.1             | GGGG                |                      | 13                      | 9                      |
| 2451-14361        | 00000/0000                                     | 2-20023/0491     | 04/17/76       | 100             | 6287                               | 7053N                               | 05028W       | 29.4         | 167.5             | GGGG                |                      | 13                      | 10                     |
| 2451-14364        | 00000/0000                                     | 2-20023/0492     | 04/17/76       | 70              | 6287                               | 6946N                               | 05233W       | 30.5         | 165.0             | GGGG                |                      | 13                      | 11                     |
| 2451-14370        | 00000/0000                                     | 2-20023/0493     | 04/17/76       | 80              | 6287                               | 6817N                               | 05425W       | 31.5         | 162.8             | FGGG                |                      | 13                      | 12                     |
| 2451-14373        | 00000/0000                                     | 2-20023/0494     | 04/17/76       | 60              | 6287                               | 6658N                               | 05605W       | 32.6         | 160.8             | FGGG                |                      | 13                      | 13                     |
| 2451-14423        | 00000/0000                                     | 2-20024/0058     | 04/17/76       | 10              | 6287                               | 5023N                               | 06806W       | 44.4         | 141.0             | FFGF                |                      | 13                      | 25                     |
| 2451-14482        | 00000/0000                                     | 2-20024/0059     | 04/17/76       | 10              | 6287                               | 3023N                               | 07510W       | 53.6         | 115.8             | FFFF                |                      | 13                      | 39                     |
| 2451-14484        | 00000/0000                                     | 2-20024/0064     | 04/17/76       | 20              | 6287                               | 2857N                               | 07534W       | 54.0         | 113.7             | GG                  |                      | 13                      | 40                     |
| 2451-14491        | 00000/0000                                     | 2-20024/0060     | 04/17/76       | 20              | 6287                               | 2731N                               | 07558W       | 54.3         | 111.6             | FFGG                | H                    | 13                      | 41                     |
| 2451-14493        | 00000/0000                                     | 2-20024/0061     | 04/17/76       | 20              | 6287                               | 2604N                               | 07622W       | 54.6         | 109.4             | GFFG                | H                    | 13                      | 42                     |
| 2451-14500        | 00000/0000                                     | 2-20024/0062     | 04/17/76       | 30              | 6287                               | 2477N                               | 07645W       | 54.8         | 107.3             | GFFG                | H                    | 13                      | 43                     |
| 2451-14502        | 00000/0000                                     | 2-20024/0063     | 04/17/76       | 30              | 6287                               | 2311N                               | 07707W       | 54.9         | 105.1             | FGGG                | H                    | 13                      | 44                     |
| 2451-21285        | 00000/0000                                     | 2-20023/0525     | 04/17/76       | 0               | 6291                               | 7212N                               | 15123W       | 28.3         | 170.2             | GGGG                |                      | 85                      | 9                      |
| 2452-01120        | 00000/0000                                     | 2-20023/0356     | 04/18/76       | 10              | 6293                               | 1600N                               | 12609E       | 55.0         | 94.0              | GGG                 |                      | 121                     | 49                     |
| 2452-01123        | 00000/0000                                     | 2-20023/0357     | 04/18/76       | 10              | 6293                               | 1473N                               | 12548E       | 54.9         | 91.8              | FGGG                |                      | 121                     | 50                     |
| 2452-01125        | 00000/0000                                     | 2-20023/0358     | 04/18/76       | 20              | 6293                               | 1377N                               | 12528E       | 54.6         | 89.7              | GGGG                |                      | 121                     | 51                     |
| 2452-01132        | 00000/0000                                     | 2-20023/0359     | 04/18/76       | 30              | 6293                               | 1140N                               | 12508E       | 54.4         | 87.7              | GGGG                |                      | 121                     | 52                     |
| 2452-01134        | 00000/0000                                     | 2-20023/0360     | 04/18/76       | 40              | 6293                               | 1012N                               | 12448E       | 54.1         | 85.6              | GGGG                |                      | 121                     | 53                     |
| 2452-01141        | 00000/0000                                     | 2-20023/0361     | 04/18/76       | 20              | 6293                               | 0846N                               | 12428E       | 53.7         | 83.7              | GGGG                |                      | 121                     | 54                     |
| 2452-01143        | 00000/0000                                     | 2-20023/0362     | 04/18/76       | 30              | 6293                               | 0719N                               | 12407E       | 53.3         | 81.7              | GGGG                |                      | 121                     | 55                     |
| 2452-02475        | 00000/0000                                     | 2-20023/0363     | 04/18/76       | 30              | 6294                               | 4151N                               | 10744E       | 49.3         | 131.0             | GGGF                |                      | 139                     | 31                     |
| 2452-02482        | 00000/0000                                     | 2-20023/0364     | 04/18/76       | 17              | 6294                               | 4026N                               | 10713E       | 50.0         | 129.2             | GGGG                |                      | 139                     | 32                     |
| 2452-02484        | 00000/0000                                     | 2-20023/0365     | 04/18/76       | 10              | 6294                               | 3900N                               | 10644E       | 50.7         | 127.4             | GGGG                |                      | 139                     | 33                     |
| 2452-02491        | 00000/0000                                     | 2-20023/0366     | 04/18/76       | 10              | 6294                               | 3734N                               | 10615E       | 51.3         | 125.5             | GGGG                |                      | 139                     | 34                     |
| 2452-02493        | 00000/0000                                     | 2-20023/0367     | 04/18/76       | 10              | 6294                               | 3609N                               | 10547E       | 51.9         | 123.6             | GGGG                |                      | 139                     | 35                     |
| 2452-02500        | 00000/0000                                     | 2-20023/0368     | 04/18/76       | 10              | 6294                               | 3442N                               | 10521E       | 52.4         | 121.7             | GGGG                |                      | 139                     | 36                     |
| 2452-02502        | 00000/0000                                     | 2-20023/0369     | 04/18/76       | 10              | 6294                               | 3316N                               | 10455E       | 52.9         | 119.7             | GGGG                |                      | 139                     | 37                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2452-02505        | 00000/0000                           | 2-20023/0370     | 04/18/76         | 30             | 6294            | 3150N                                   | 10430E       | 53.3         | 117.7                              | GGGG                |                      | 139                     | 38                     |
| 2452-02511        | 00000/0000                           | 2-20023/0371     | 04/18/76         | 60             | 6254            | 3024N                                   | 10405E       | 53.7         | 115.6                              | GGFG                |                      | 139                     | 39                     |
| 2452-02514        | 00000/0000                           | 2-20023/0372     | 04/18/76         | 90             | 6294            | 2858N                                   | 10341E       | 54.1         | 113.5                              | GGGG                |                      | 139                     | 40                     |
| 2452-02520        | 00000/0000                           | 2-20023/0373     | 04/18/76         | 70             | 6294            | 2731N                                   | 10316E       | 54.4         | 111.4                              | GGFG                |                      | 139                     | 41                     |
| 2452-02523        | 00000/0000                           | 2-20023/0374     | 04/18/76         | 20             | 6294            | 2604N                                   | 10253E       | 54.7         | 109.2                              | GGGG                |                      | 139                     | 42                     |
| 2452-02525        | 00000/0000                           | 2-20023/0375     | 04/18/76         | 10             | 6254            | 2438N                                   | 10230E       | 54.9         | 107.1                              | GGFG                |                      | 139                     | 43                     |
| 2452-02532        | 00000/0000                           | 2-20023/0376     | 04/18/76         | 10             | 6294            | 2312N                                   | 10208E       | 55.0         | 104.9                              | GGFG                |                      | 139                     | 44                     |
| 2452-04261        | 00000/0000                           | 2-20024/0079     | 04/18/76         | 20             | 6295            | 5847N                                   | 09007E       | 39.0         | 150.3                              | GGGG                |                      | 157                     | 19                     |
| 2452-04263        | 00000/0000                           | 2-20024/0080     | 04/18/76         | 0              | 6295            | 5724N                                   | 08913E       | 40.0         | 148.7                              | GGGG                |                      | 157                     | 20                     |
| 2452-04270        | 00000/0000                           | 2-20024/0081     | 04/18/76         | 0              | 6295            | 5601N                                   | 08822E       | 40.9         | 147.2                              | GGGG                |                      | 157                     | 21                     |
| 2452-04272        | 00000/0000                           | 2-20024/0040     | 04/18/76         | 10             | 6295            | 5437N                                   | 08733E       | 41.9         | 145.6                              | GGGG                |                      | 157                     | 22                     |
| 2452-04275        | 00000/0000                           | 2-20024/0041     | 04/18/76         | 20             | 6295            | 5313N                                   | 08647E       | 42.8         | 144.1                              | GGGG                |                      | 157                     | 23                     |
| 2452-04281        | 00000/0000                           | 2-20024/0042     | 04/18/76         | 40             | 6295            | 5148N                                   | 08604E       | 43.7         | 142.5                              | GGGF                |                      | 157                     | 24                     |
| 2452-04284        | 00000/0000                           | 2-20024/0043     | 04/18/76         | 80             | 6295            | 5023N                                   | 08523E       | 44.6         | 140.9                              | GGGG                |                      | 157                     | 25                     |
| 2452-04290        | 00000/0000                           | 2-20024/0044     | 04/18/76         | 80             | 6295            | 4858N                                   | 08444E       | 45.4         | 139.3                              | GGGG                |                      | 157                     | 26                     |
| 2452-04295        | 00000/0000                           | 2-20024/0099     | 04/18/76         | 30             | 6295            | 4607N                                   | 08331E       | 47.1         | 136.1                              | GGGG                |                      | 157                     | 28                     |
| 2452-04302        | 00000/0000                           | 2-20024/0100     | 04/18/76         | 90             | 6295            | 4442N                                   | 08258E       | 47.9         | 134.4                              | GGGG                |                      | 157                     | 29                     |
| 2452-04304        | 00000/0000                           | 2-20023/0377     | 04/18/76         | 20             | 6295            | 4317N                                   | 08226E       | 48.6         | 132.7                              | GGGG                |                      | 157                     | 30                     |
| 2452-04311        | 00000/0000                           | 2-20023/0378     | 04/18/76         | 40             | 6295            | 4151N                                   | 08155E       | 49.3         | 131.0                              | GGGF                |                      | 157                     | 31                     |
| 2452-04313        | 00000/0000                           | 2-20023/0379     | 04/18/76         | 40             | 6295            | 4026N                                   | 08124E       | 50.0         | 129.2                              | GGGG                |                      | 157                     | 32                     |
| 2452-04320        | 00000/0000                           | 2-20023/0380     | 04/18/76         | 10             | 6295            | 3900N                                   | 08055E       | 50.7         | 127.4                              | GGGG                |                      | 157                     | 33                     |
| 2452-04322        | 00000/0000                           | 2-20023/0381     | 04/18/76         | 10             | 6295            | 3735N                                   | 08026E       | 51.3         | 125.5                              | GGGG                |                      | 157                     | 34                     |
| 2452-04345        | 00000/0000                           | 2-20023/0382     | 04/18/76         | 10             | 6295            | 2857N                                   | 07751E       | 54.1         | 113.5                              | GGGG                |                      | 157                     | 40                     |
| 2452-04352        | 00000/0000                           | 2-20023/0383     | 04/18/76         | 10             | 6295            | 2731N                                   | 07728E       | 54.4         | 111.3                              | GGGG                |                      | 157                     | 41                     |
| 2452-06092        | 00000/0000                           | 2-20023/0384     | 04/18/76         | 0              | 6296            | 5847N                                   | 06417E       | 39.0         | 150.3                              | GGGG                |                      | 175                     | 19                     |
| 2452-06095        | 00000/0000                           | 2-20023/0385     | 04/18/76         | 0              | 6296            | 5724N                                   | 06322E       | 40.0         | 148.7                              | GGGG                |                      | 175                     | 20                     |
| 2452-06101        | 00000/0000                           | 2-20023/0386     | 04/18/76         | 0              | 6296            | 5600N                                   | 06231E       | 41.0         | 147.2                              | GGGG                |                      | 175                     | 21                     |
| 2452-06104        | 00000/0000                           | 2-20023/0387     | 04/18/76         | 10             | 6296            | 5436N                                   | 06142E       | 41.9         | 145.6                              | GGGG                |                      | 175                     | 22                     |
| 2452-06110        | 00000/0000                           | 2-20023/0388     | 04/18/76         | 10             | 6296            | 5312N                                   | 06057E       | 42.8         | 144.1                              | GGGG                |                      | 175                     | 23                     |
| 2452-06113        | 00000/0000                           | 2-20023/0389     | 04/18/76         | 10             | 6296            | 5146N                                   | 06013E       | 43.7         | 142.5                              | GGGG                |                      | 175                     | 24                     |
| 2452-06115        | 00000/0000                           | 2-20023/0390     | 04/18/76         | 20             | 6296            | 5022N                                   | 05933E       | 44.6         | 140.9                              | GGGG                |                      | 175                     | 25                     |
| 2452-06122        | 00000/0000                           | 2-20023/0391     | 04/18/76         | 80             | 6296            | 4857N                                   | 05854E       | 45.5         | 139.3                              | GGGG                |                      | 175                     | 26                     |
| 2452-06151        | 00000/0000                           | 2-20023/0392     | 04/18/76         | 40             | 6296            | 3859N                                   | 05504E       | 50.7         | 127.3                              | GGGG                |                      | 175                     | 33                     |
| 2452-06181        | 00000/0000                           | 2-20023/0393     | 04/18/76         | 30             | 6296            | 2856N                                   | 05201E       | 54.1         | 113.4                              | GGGG                |                      | 175                     | 40                     |
| 2452-07521        | 00000/0000                           | 2-20024/0116     | 04/18/76         | 100            | 6297            | 6009N                                   | 03928E       | 38.0         | 151.9                              | GGGG                |                      | 193                     | 18                     |
| 2452-07524        | 00000/0000                           | 2-20024/0117     | 04/18/76         | 90             | 6297            | 5846N                                   | 03830E       | 39.0         | 150.3                              | GGGG                |                      | 193                     | 19                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN RSLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2452-07533        | 00000/0000                   | 2-20024/0118                | 04/18/76         | 70             | 6297            | 5723N                        | 03735E        | 40.0         | 148.7        | F G G G               |                     |                      | 193                     | 20                     |
| 2452-07533        | 00000/0000                   | 2-20024/0119                | 04/18/76         | 20             | 6297            | 5600N                        | 03644E        | 41.0         | 147.2        | G G G G               |                     |                      | 193                     | 21                     |
| 2452-07535        | 00000/0000                   | 2-20024/0120                | 04/18/76         | 10             | 6297            | 5476N                        | 03556E        | 41.9         | 145.6        | G G G G               |                     |                      | 193                     | 22                     |
| 2452-07542        | 00000/0000                   | 2-20024/0121                | 04/18/76         | 10             | 6297            | 5312N                        | 03510E        | 42.9         | 144.0        | G F G G               |                     |                      | 193                     | 23                     |
| 2452-07544        | 00000/0000                   | 2-20024/0122                | 04/18/76         | 0              | 6297            | 5147N                        | 03427E        | 43.8         | 142.5        | G G G G               |                     |                      | 193                     | 24                     |
| 2452-07551        | 00000/0000                   | 2-20024/0123                | 04/18/76         | 10             | 6297            | 5023N                        | 03346E        | 44.6         | 140.9        | F G G G               |                     |                      | 193                     | 25                     |
| 2452-07553        | 00000/0000                   | 2-20024/0124                | 04/18/76         | 10             | 6297            | 4857N                        | 03307E        | 45.5         | 139.3        | F G G G               |                     |                      | 193                     | 26                     |
| 2452-07560        | 00000/0000                   | 2-20024/0125                | 04/18/76         | 10             | 6297            | 4732N                        | 03231E        | 46.3         | 137.7        | G F G G               |                     |                      | 193                     | 27                     |
| 2452-07562        | 00000/0000                   | 2-20024/0126                | 04/18/76         | 20             | 6297            | 4607N                        | 03155E        | 47.1         | 136.1        | G F F F               |                     |                      | 193                     | 28                     |
| 2452-09371        | 00000/0000                   | 2-20024/0127                | 04/18/76         | 60             | 6298            | 5434N                        | 01003E        | 42.0         | 145.6        | G G G G               |                     |                      | 211                     | 22                     |
| 2452-09373        | 00000/0000                   | 2-20024/0128                | 04/18/76         | 70             | 6298            | 5310N                        | 00918E        | 42.9         | 144.0        | F G G G               |                     |                      | 211                     | 23                     |
| 2452-09380        | 00000/0000                   | 2-20024/0129                | 04/18/76         | 10             | 6298            | 5146N                        | 00835E        | 43.8         | 142.5        | G G G G               |                     |                      | 211                     | 24                     |
| 2452-09382        | 00000/0000                   | 2-20024/0130                | 04/18/76         | 20             | 6298            | 5021N                        | 00754E        | 44.7         | 140.9        | G G G G               |                     |                      | 211                     | 25                     |
| 2452-09385        | 00000/0000                   | 2-20024/0131                | 04/18/76         | 10             | 6298            | 4856N                        | 00716E        | 45.5         | 139.3        | G G G G               |                     |                      | 211                     | 26                     |
| 2452-09391        | 00000/0000                   | 2-20024/0065                | 04/18/76         | 0              | 6298            | 4730N                        | 00639E        | 46.4         | 137.7        | G F G G               |                     |                      | 211                     | 27                     |
| 2452-09394        | 00000/0000                   | 2-20024/0066                | 04/18/76         | 10             | 6298            | 4606N                        | 00604E        | 47.2         | 136.0        | G G G G               |                     |                      | 211                     | 28                     |
| 2452-09485        | 00000/0000                   | 2-20024/0067                | 04/18/76         | 40             | 6298            | 1432N                        | 00316W        | 54.9         | 91.6         | G G G G               |                     |                      | 211                     | 50                     |
| 2452-09491        | 00000/0000                   | 2-20024/0068                | 04/18/76         | 10             | 6298            | 1345N                        | 00337W        | 54.7         | 89.5         | G G G G               |                     |                      | 211                     | 51                     |
| 2452-09500        | 00000/0000                   | 2-20024/0069                | 04/18/76         | 70             | 6298            | 1011N                        | 00418W        | 54.1         | 85.4         | F G G G               |                     |                      | 211                     | 53                     |
| 2452-14390        | 00000/0000                   | 2-20024/0070                | 04/18/76         | 10             | 6301            | 7849N                        | 02541W        | 21.8         | 195.5        | G G G G               |                     |                      | 13                      | 3                      |
| 2452-14420        | 00000/0000                   | 2-20024/0071                | 04/18/76         | 20             | 6301            | 7065N                        | 05155W        | 29.7         | 167.5        | G G G G               |                     |                      | 14                      | 10                     |
| 2452-14422        | 00000/0000                   | 2-20024/0072                | 04/18/76         | 20             | 6301            | 6917N                        | 05359W        | 30.8         | 165.1        | G G G G               |                     |                      | 14                      | 11                     |
| 2452-14425        | 00000/0000                   | 2-20024/0073                | 04/18/76         | 30             | 6301            | 6819N                        | 05550W        | 31.9         | 162.9        | G G G G               |                     |                      | 14                      | 12                     |
| 2452-14431        | 00000/0000                   | 2-20024/0074                | 04/18/76         | 30             | 6301            | 6700N                        | 05729W        | 32.9         | 160.8        | G G G G               |                     |                      | 14                      | 13                     |
| 2452-14434        | 00000/0000                   | 2-20024/0075                | 04/18/76         | 30             | 6301            | 6540N                        | 05859W        | 34.0         | 158.9        | G G G G               |                     |                      | 14                      | 14                     |
| 2452-14463        | 00000/0000                   | 2-20023/0394                | 04/18/76         | 0              | 6301            | 5602N                        | 06633W        | 41.1         | 147.2        | F G G G               |                     |                      | 14                      | 21                     |
| 2452-14470        | 00000/0000                   | 2-20023/0395                | 04/18/76         | 0              | 6301            | 5437N                        | 06721W        | 42.0         | 145.6        | G G G G               |                     |                      | 14                      | 22                     |
| 2452-14472        | 00000/0000                   | 2-20023/0396                | 04/18/76         | 0              | 6301            | 5314N                        | 06806W        | 42.9         | 144.0        | G G G G               |                     |                      | 14                      | 23                     |
| 2452-14475        | 00000/0000                   | 2-20023/0397                | 04/18/76         | 30             | 6301            | 5149N                        | 06849W        | 43.8         | 142.5        | F G G G               |                     |                      | 14                      | 24                     |
| 2452-14481        | 00000/0000                   | 2-20023/0398                | 04/18/76         | 90             | 6301            | 5024N                        | 06929W        | 44.7         | 140.9        | F G G G               |                     |                      | 14                      | 25                     |
| 2452-14484        | 00000/0000                   | 2-20023/0399                | 04/18/76         | 90             | 6301            | 4859N                        | 07008W        | 45.6         | 139.3        | G G G G               |                     |                      | 14                      | 26                     |
| 2452-16310        | 00000/0000                   | 2-20023/0438                | 04/18/76         | 100            | 6302            | 5148N                        | 09440W        | 43.9         | 142.5        | G G F G               |                     |                      | 32                      | 24                     |
| 2452-16313        | 00000/0000                   | 2-20023/0439                | 04/18/76         | 100            | 6302            | 5023N                        | 09521W        | 44.7         | 140.9        | F G F G               |                     |                      | 32                      | 25                     |
| 2452-18044        | 00000/0000                   | 2-20024/0076                | 04/18/76         | 10             | 6303            | 8017N                        | 06315W        | 19.6         | 209.8        | G G G G               |                     |                      | 36                      | 248                    |
| 2452-18142        | 00000/0000                   | 2-20024/0450                | 04/18/76         | 50             | 6303            | 5148N                        | 12027W        | 43.9         | 142.5        | G G G G               |                     |                      | 50                      | 24                     |
| 2452-18144        | 00000/0000                   | 2-20023/0461                | 04/18/76         | 50             | 6303            | 5024N                        | 12108W        | 44.8         | 140.9        | G G G G               |                     |                      | 50                      | 25                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2452-19480        | 00000/0000                   | 2-20024/0077                | 04/18/76         | 1n             | 6304            | 8017N                        | 08912W        | 19.6         | 209.7        | GGGG                               |                     |                      | 54                      | 248                    |
| 2452-19500        | 00000/0000                   | 2-20024/0526                | 04/18/76         | 1n             | 6304            | 7546N                        | 11746W        | 25.3         | 180.3        | GGGG                               |                     |                      | 68                      | 6                      |
| 2452-19503        | 00000/0000                   | 2-20024/0527                | 04/18/76         | 1n             | 6304            | 7436N                        | 12119W        | 26.5         | 176.5        | GGFG                               |                     |                      | 68                      | 7                      |
| 2452-19505        | 00000/0000                   | 2-20024/0528                | 04/18/76         | 1n             | 6304            | 7324N                        | 12423W        | 27.6         | 173.2        | GGFG                               |                     |                      | 68                      | 8                      |
| 2452-19512        | 00000/0000                   | 2-20024/0529                | 04/18/76         | 1n             | 6304            | 7210N                        | 12703W        | 28.7         | 170.2        | GGFG                               |                     |                      | 68                      | 9                      |
| 2452-19514        | 00000/0000                   | 2-20024/0530                | 04/18/76         | 7n             | 6304            | 7054N                        | 12924W        | 29.8         | 167.5        | GGFF                               |                     |                      | 68                      | 10                     |
| 2452-19521        | 00000/0000                   | 2-20024/0531                | 04/18/76         | 8n             | 6304            | 6937N                        | 13129W        | 30.9         | 165.1        | GGGG                               |                     |                      | 68                      | 11                     |
| 2452-19523        | 00000/0000                   | 2-20024/0532                | 04/18/76         | 4n             | 6304            | 6818N                        | 13319W        | 32.0         | 162.9        | GGGG                               |                     |                      | 68                      | 12                     |
| 2452-19530        | 00000/0000                   | 2-20024/0533                | 04/18/76         | 1n             | 6304            | 6658N                        | 13459W        | 33.0         | 160.8        | GGGG                               |                     |                      | 68                      | 13                     |
| 2452-21341        | 00000/0000                   | 2-20024/0534                | 04/18/76         | 1n             | 6305            | 7324N                        | 15005W        | 27.6         | 173.2        | GGFG                               |                     |                      | 86                      | 8                      |
| 2452-21344        | 00000/0000                   | 2-20024/0535                | 04/18/76         | 1n             | 6305            | 7210N                        | 15245W        | 28.7         | 170.2        | GGGG                               |                     |                      | 86                      | 9                      |
| 2453-01075        | 00000/0000                   | 2-20024/0132                | 04/19/76         | 5n             | 6307            | 5026N                        | 13637E        | 44.9         | 140.9        | GGGG                               |                     |                      | 122                     | 25                     |
| 2453-01081        | 00000/0000                   | 2-20024/0133                | 04/19/76         | 4n             | 6307            | 4901N                        | 13458E        | 45.7         | 139.3        | GGGG                               |                     |                      | 122                     | 26                     |
| 2453-01084        | 00000/0000                   | 2-20024/0134                | 04/19/76         | 5n             | 6307            | 4735N                        | 13421E        | 46.5         | 137.6        | GGGG                               |                     |                      | 122                     | 27                     |
| 2453-01090        | 00000/0000                   | 2-20024/0135                | 04/19/76         | 8n             | 6307            | 4610N                        | 13344E        | 47.4         | 136.0        | GGGF                               |                     |                      | 122                     | 28                     |
| 2453-01093        | 00000/0000                   | 2-20024/0136                | 04/19/76         | 9n             | 6307            | 4444N                        | 13310E        | 48.1         | 134.3        | GGFF                               |                     |                      | 122                     | 29                     |
| 2453-01145        | 00000/0000                   | 2-20024/0137                | 04/19/76         | 3n             | 6307            | 2607N                        | 12716E        | 54.9         | 108.8        | GGFG                               |                     |                      | 122                     | 42                     |
| 2453-01175        | 00000/0000                   | 2-20024/0400                | 04/19/76         | 1n             | 6307            | 1600N                        | 12444E        | 55.1         | 93.4         | GGGG                               |                     |                      | 122                     | 49                     |
| 2453-01181        | 00000/0000                   | 2-20024/0401                | 04/19/76         | 1n             | 6307            | 1434N                        | 12423E        | 55.0         | 91.3         | GGGG                               |                     |                      | 122                     | 50                     |
| 2453-01184        | 00000/0000                   | 2-20024/0402                | 04/19/76         | 2n             | 6307            | 1307N                        | 12403E        | 54.7         | 89.2         | GGGG                               |                     |                      | 122                     | 51                     |
| 2453-01190        | 00000/0000                   | 2-20024/0403                | 04/19/76         | 2n             | 6307            | 1141N                        | 12342E        | 54.5         | 87.1         | GGGG                               |                     |                      | 122                     | 52                     |
| 2453-01193        | 00000/0000                   | 2-20024/0404                | 04/19/76         | 2n             | 6307            | 1014N                        | 12322E        | 54.1         | 85.1         | GGGG                               |                     |                      | 122                     | 53                     |
| 2453-01195        | 00000/0000                   | 2-20024/0405                | 04/19/76         | 2n             | 6307            | 0847N                        | 12302E        | 53.7         | 83.1         | GGGG                               |                     |                      | 122                     | 54                     |
| 2453-01202        | 00000/0000                   | 2-20024/0406                | 04/19/76         | 2n             | 6307            | 0720N                        | 12241E        | 53.3         | 81.2         | GGGG                               |                     |                      | 122                     | 55                     |
| 2453-02542        | 00000/0000                   | 2-20024/0407                | 04/19/76         | 2n             | 6308            | 3902N                        | 10518E        | 51.0         | 127.1        | GGGG                               |                     |                      | 140                     | 33                     |
| 2453-02545        | 00000/0000                   | 2-20024/0408                | 04/19/76         | 3n             | 6308            | 3736N                        | 10450E        | 51.6         | 125.3        | GGGG                               |                     |                      | 140                     | 34                     |
| 2453-02551        | 00000/0000                   | 2-20024/0409                | 04/19/76         | 4n             | 6308            | 3610N                        | 10423E        | 52.1         | 123.3        | GGGG                               |                     |                      | 140                     | 35                     |
| 2453-02554        | 00000/0000                   | 2-20024/0410                | 04/19/76         | 8n             | 6308            | 3444N                        | 10356E        | 52.7         | 121.4        | GGGG                               |                     |                      | 140                     | 36                     |
| 2453-02560        | 00000/0000                   | 2-20024/0411                | 04/19/76         | 8n             | 6308            | 3318N                        | 10330E        | 53.2         | 119.4        | GGGG                               |                     |                      | 140                     | 37                     |
| 2453-02563        | 00000/0000                   | 2-20024/0412                | 04/19/76         | 8n             | 6308            | 3141N                        | 10305E        | 53.6         | 117.3        | GGGG                               |                     |                      | 140                     | 38                     |
| 2453-02565        | 00000/0000                   | 2-20024/0413                | 04/19/76         | 4n             | 6308            | 3025N                        | 10239E        | 54.0         | 115.2        | GGGG                               |                     |                      | 140                     | 39                     |
| 2453-02572        | 00000/0000                   | 2-20024/0414                | 04/19/76         | 1n             | 6308            | 2858N                        | 10215E        | 54.3         | 113.1        | GGGG                               |                     |                      | 140                     | 40                     |
| 2453-02574        | 00000/0000                   | 2-20024/0415                | 04/19/76         | 3n             | 6308            | 2732N                        | 10151E        | 54.6         | 111.0        | GGGG                               |                     |                      | 140                     | 41                     |
| 2453-02581        | 00000/0000                   | 2-20024/0416                | 04/19/76         | 4n             | 6308            | 2606N                        | 10128E        | 54.9         | 108.8        | GGGG                               |                     |                      | 140                     | 42                     |
| 2453-02583        | 00000/0000                   | 2-20024/0417                | 04/19/76         | 4n             | 6308            | 2440N                        | 10105E        | 55.1         | 106.6        | GGGG                               |                     |                      | 140                     | 43                     |
| 2453-02590        | 00000/0000                   | 2-20024/0418                | 04/19/76         | 6n             | 6308            | 2314N                        | 10043E        | 55.2         | 104.4        | GGGG                               |                     |                      | 140                     | 44                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>123 | MSS<br>45678 | MSS<br>MODE | MSS<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|--------------------------------------|------------------|----------------|------------------------|------------------------------|-------------------|--------------|--------------|-------------------|------------|--------------|-------------|-------------|-------------------------|------------------------|
| 2453-04342        | 00000/0000                   | 2-20024/0101                         | 04/19/76         | 90             | 6309                   | 5024N                        | 08356E            | 44.9         | 140.8        | GGGG              |            |              |             |             | 158                     | 25                     |
| 2453-04344        | 00000/0000                   | 2-20024/0102                         | 04/19/76         | 90             | 6309                   | 4849N                        | 08317E            | 45.8         | 139.2        | GGGG              |            |              |             |             | 158                     | 26                     |
| 2453-04351        | 00000/0000                   | 2-20024/0103                         | 04/19/76         | 90             | 6309                   | 4734N                        | 08240E            | 46.6         | 137.6        | GGGG              |            |              |             |             | 158                     | 27                     |
| 2453-04353        | 00000/0000                   | 2-20024/0104                         | 04/19/76         | 60             | 6309                   | 4609N                        | 08205E            | 47.4         | 135.9        | GGGG              |            |              |             |             | 158                     | 28                     |
| 2453-04360        | 00000/0000                   | 2-20024/0105                         | 04/19/76         | 40             | 6309                   | 4444N                        | 08131E            | 48.2         | 134.2        | GGGG              |            |              |             |             | 158                     | 29                     |
| 2453-04362        | 00000/0000                   | 2-20024/0106                         | 04/19/76         | 90             | 6309                   | 4318N                        | 08059E            | 48.9         | 132.5        | GGGG              |            |              |             |             | 158                     | 30                     |
| 2453-04365        | 00000/0000                   | 2-20023/0419                         | 04/19/76         | 70             | 6309                   | 4142N                        | 08028E            | 49.6         | 130.8        | GGGF              |            |              |             |             | 158                     | 31                     |
| 2453-04371        | 00000/0000                   | 2-20023/0420                         | 04/19/76         | 40             | 6309                   | 4027N                        | 07958E            | 50.3         | 129.0        | GGGG              |            |              |             |             | 158                     | 32                     |
| 2453-04374        | 00000/0000                   | 2-20023/0421                         | 04/19/76         | 10             | 6309                   | 3902N                        | 07929E            | 51.0         | 127.1        | GGGG              |            |              |             |             | 158                     | 33                     |
| 2453-04380        | 00000/0000                   | 2-20023/0422                         | 04/19/76         | 10             | 6309                   | 3736N                        | 07901E            | 51.6         | 125.2        | GGGG              |            |              |             |             | 158                     | 34                     |
| 2453-04394        | 00000/0000                   | 2-20023/0423                         | 04/19/76         | 0              | 6309                   | 3142N                        | 07715E            | 53.6         | 117.3        | GGGG              |            |              |             |             | 158                     | 38                     |
| 2453-04401        | 00000/0000                   | 2-20023/0424                         | 04/19/76         | 0              | 6309                   | 3025N                        | 07650E            | 54.0         | 115.2        | GGGG              |            |              |             |             | 158                     | 39                     |
| 2453-04403        | 00000/0000                   | 2-20023/0425                         | 04/19/76         | 0              | 6309                   | 2849N                        | 07625E            | 54.4         | 113.1        | GGGG              |            |              |             |             | 158                     | 40                     |
| 2453-06155        | 00000/0000                   | 2-20023/0426                         | 04/19/76         | 10             | 6310                   | 5601N                        | 06107E            | 41.3         | 147.1        | GGGG              |            |              |             |             | 176                     | 21                     |
| 2453-06162        | 00000/0000                   | 2-20023/0427                         | 04/19/76         | 10             | 6310                   | 5437N                        | 06019E            | 42.2         | 145.5        | GGGG              |            |              |             |             | 176                     | 22                     |
| 2453-06164        | 00000/0000                   | 2-20023/0428                         | 04/19/76         | 10             | 6310                   | 5313N                        | 05933E            | 43.2         | 144.0        | GGGG              |            |              |             |             | 176                     | 23                     |
| 2453-06171        | 00000/0000                   | 2-20023/0429                         | 04/19/76         | 10             | 6310                   | 5148N                        | 05850E            | 44.1         | 142.4        | GFGG              |            |              |             |             | 176                     | 24                     |
| 2453-06173        | 00000/0000                   | 2-20023/0430                         | 04/19/76         | 10             | 6310                   | 5024N                        | 05809E            | 44.9         | 140.8        | GGGG              |            |              |             |             | 176                     | 25                     |
| 2453-06180        | 00000/0000                   | 2-20023/0431                         | 04/19/76         | 20             | 6310                   | 4859N                        | 05730E            | 45.8         | 139.2        | GGGG              |            |              |             |             | 176                     | 26                     |
| 2453-06182        | 00000/0000                   | 2-20023/0432                         | 04/19/76         | 10             | 6310                   | 4734N                        | 05653E            | 46.6         | 137.6        | GGGG              |            |              |             |             | 176                     | 27                     |
| 2453-06223        | 00000/0000                   | 2-20023/0433                         | 04/19/76         | 60             | 6310                   | 3318N                        | 05152E            | 53.2         | 119.3        | GFFG              |            |              |             |             | 176                     | 37                     |
| 2453-06230        | 00000/0000                   | 2-20023/0434                         | 04/19/76         | 60             | 6310                   | 3141N                        | 05126E            | 53.6         | 117.2        | GFFG              |            |              |             |             | 176                     | 38                     |
| 2453-06232        | 00000/0000                   | 2-20023/0435                         | 04/19/76         | 60             | 6310                   | 3025N                        | 05101E            | 54.0         | 115.1        | GGGG              |            |              |             |             | 176                     | 39                     |
| 2453-06235        | 00000/0000                   | 2-20023/0436                         | 04/19/76         | 30             | 6310                   | 2849N                        | 05037E            | 54.4         | 113.0        | F0FG              |            |              |             |             | 176                     | 40                     |
| 2453-07573        | 00000/0000                   | 2-20024/0107                         | 04/19/76         | 80             | 6311                   | 6134N                        | 03903E            | 37.4         | 153.5        | GGGG              |            |              |             |             | 194                     | 17                     |
| 2453-07580        | 00000/0000                   | 2-20024/0108                         | 04/19/76         | 60             | 6311                   | 6012N                        | 03800E            | 38.4         | 151.9        | GGGG              |            |              |             |             | 194                     | 18                     |
| 2453-07582        | 00000/0000                   | 2-20024/0109                         | 04/19/76         | 40             | 6311                   | 5849N                        | 03702E            | 39.4         | 150.3        | GGGG              |            |              |             |             | 194                     | 19                     |
| 2453-07585        | 00000/0000                   | 2-20024/0110                         | 04/19/76         | 30             | 6311                   | 5725N                        | 03607E            | 40.4         | 148.7        | GGGG              |            |              |             |             | 194                     | 20                     |
| 2453-07591        | 00000/0000                   | 2-20024/0111                         | 04/19/76         | 10             | 6311                   | 5602N                        | 03515E            | 41.3         | 147.1        | GGGG              |            |              |             |             | 194                     | 21                     |
| 2453-07594        | 00000/0000                   | 2-20024/0112                         | 04/19/76         | 10             | 6311                   | 5437N                        | 03427E            | 42.3         | 145.5        | GGGG              |            |              |             |             | 194                     | 22                     |
| 2453-08000        | 00000/0000                   | 2-20024/0113                         | 04/19/76         | 10             | 6311                   | 5313N                        | 03342E            | 43.2         | 144.0        | GGGG              |            |              |             |             | 194                     | 23                     |
| 2453-08003        | 00000/0000                   | 2-20024/0114                         | 04/19/76         | 50             | 6311                   | 5148N                        | 03259E            | 44.1         | 142.4        | GGGG              |            |              |             |             | 194                     | 24                     |
| 2453-08005        | 00000/0000                   | 2-20024/0115                         | 04/19/76         | 80             | 6311                   | 5024N                        | 03218E            | 45.0         | 140.8        | GGGG              |            |              |             |             | 194                     | 25                     |
| 2453-08014        | 00000/0000                   | 2-20023/0495                         | 04/19/76         | 70             | 6311                   | 4734N                        | 03104E            | 46.7         | 137.6        | GGGG              |            |              |             |             | 194                     | 27                     |
| 2453-08023        | 00000/0000                   | 2-20023/0496                         | 04/19/76         | 50             | 6311                   | 4443N                        | 02955E            | 48.2         | 134.2        | GGGG              |            |              |             |             | 194                     | 29                     |
| 2453-08030        | 00000/0000                   | 2-20023/0497                         | 04/19/76         | 60             | 6311                   | 4318N                        | 02922E            | 49.0         | 132.5        | GGGG              |            |              |             |             | 194                     | 30                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW RAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0168

| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|---------------|------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                                                |                  |                |               |                                    |              |              | 123 45678         |                     |                      |                         |                        |
| 2453-09425        | 00000/0000                                     | 2-20023/0498     | 04/19/76       | 0             | 6312                               | 5447N        | 00440E       | 42.3 145.5        | GGGG                |                      | 212                     | 22                     |
| 2453-09432        | 00000/0000                                     | 2-20023/0499     | 04/19/76       | 10            | 6312                               | 5313N        | 00755E       | 43.2 144.0        | GGGG                |                      | 212                     | 23                     |
| 2453-09434        | 00000/0000                                     | 2-20023/0500     | 04/19/76       | 10            | 6312                               | 5148N        | 00711E       | 44.1 142.4        | GGGG                |                      | 212                     | 24                     |
| 2453-09441        | 00000/0000                                     | 2-20023/0501     | 04/19/76       | 10            | 6312                               | 5023N        | 00431E       | 45.0 140.8        | GGGG                |                      | 212                     | 25                     |
| 2453-09550        | 00000/0000                                     | 2-20023/0502     | 04/19/76       | 30            | 6312                               | 1306N        | 00503W       | 54.8 88.9         | GGGG                |                      | 212                     | 51                     |
| 2453-09552        | 00000/0000                                     | 2-20023/0503     | 04/19/76       | 10            | 6312                               | 1139N        | 00523W       | 54.5 86.9         | GGGG                |                      | 212                     | 52                     |
| 2453-09555        | 00000/0000                                     | 2-20023/0504     | 04/19/76       | 10            | 6312                               | 1013N        | 00543W       | 54.1 84.8         | GGGG                |                      | 212                     | 53                     |
| 2453-14471        | 00000/0000                                     | 2-20023/0505     | 04/19/76       | 30            | 6315                               | 7212N        | 05054W       | 28.9 170.3        | FFFF                |                      | 15                      | 9                      |
| 2453-14474        | 00000/0000                                     | 2-20023/0506     | 04/19/76       | 10            | 6315                               | 7056N        | 05316W       | 30.0 167.6        | GGGG                |                      | 15                      | 10                     |
| 2453-14480        | 00000/0000                                     | 2-20023/0507     | 04/19/76       | 20            | 6315                               | 6939N        | 05521W       | 31.1 165.2        | GGGG                |                      | 15                      | 11                     |
| 2453-14483        | 00000/0000                                     | 2-20023/0508     | 04/19/76       | 20            | 6315                               | 6821N        | 05714W       | 32.2 162.9        | GGGG                |                      | 15                      | 12                     |
| 2453-14485        | 00000/0000                                     | 2-20023/0509     | 04/19/76       | 30            | 6315                               | 6701N        | 05854W       | 33.3 160.8        | GGGG                |                      | 15                      | 13                     |
| 2453-14492        | 00000/0000                                     | 2-20023/0510     | 04/19/76       | 10            | 6315                               | 6541N        | 06025W       | 34.3 158.9        | GGGG                |                      | 15                      | 14                     |
| 2453-14535        | 00000/0000                                     | 2-20023/0472     | 04/19/76       | 100           | 6315                               | 5026N        | 07054W       | 45.0 140.8        | FGGG                |                      | 15                      | 25                     |
| 2453-14542        | 00000/0000                                     | 2-20023/0473     | 04/19/76       | 90            | 6315                               | 4901N        | 07133W       | 45.9 139.2        | GGGG                |                      | 15                      | 26                     |
| 2453-15015        | 00000/0000                                     | 2-20023/0474     | 04/19/76       | 50            | 6315                               | 2315N        | 07958W       | 55.3 104.2        | GGGG                |                      | 15                      | 44                     |
| 2453-16362        | 00000/0000                                     | 2-20023/0222     | 04/19/76       | 90            | 6316                               | 5314N        | 09522W       | 43.3 144.0        | GGGG                |                      | 33                      | 23                     |
| 2453-16364        | 00000/0000                                     | 2-20023/0223     | 04/19/76       | 90            | 6316                               | 5149N        | 09605W       | 44.2 142.4        | GGGG                |                      | 33                      | 24                     |
| 2453-16371        | 00000/0000                                     | 2-20023/0224     | 04/19/76       | 70            | 6316                               | 5025N        | 09645W       | 45.1 140.8        | GGGG                |                      | 33                      | 25                     |
| 2453-16203        | 00000/0000                                     | 2-20023/0437     | 04/19/76       | 50            | 6317                               | 5026N        | 12232W       | 45.1 140.8        | GGGF                |                      | 51                      | 25                     |
| 2453-21035        | 00000/0000                                     | 2-20023/0511     | 04/19/76       | 0             | 6319                               | 7326N        | 15132W       | 27.9 173.3        | FGGG                |                      | 87                      | 8                      |
| 2453-21402        | 00000/0000                                     | 2-20023/0512     | 04/19/76       | 0             | 6319                               | 7212N        | 15413W       | 29.0 170.3        | FGGF                |                      | 87                      | 9                      |
| 2454-01135        | 00000/0000                                     | 2-20024/0022     | 04/20/76       | 50            | 6321                               | 4848N        | 13330E       | 46.1 139.1        | FGGG                |                      | 123                     | 26                     |
| 2454-01142        | 00000/0000                                     | 2-20024/0023     | 04/20/76       | 100           | 6321                               | 4733N        | 13253E       | 46.9 137.4        | GGGG                |                      | 123                     | 27                     |
| 2454-01144        | 00000/0000                                     | 2-20024/0024     | 04/20/76       | 100           | 6321                               | 4608N        | 13219E       | 47.7 135.7        | GGGG                |                      | 123                     | 28                     |
| 2454-01151        | 00000/0000                                     | 2-20024/0025     | 04/20/76       | 100           | 6321                               | 4444N        | 13145E       | 48.5 134.0        | GGPG                |                      | 123                     | 29                     |
| 2454-01153        | 00000/0000                                     | 2-20024/0026     | 04/20/76       | 100           | 6321                               | 4318N        | 13113E       | 49.2 132.3        | GGGG                |                      | 123                     | 30                     |
| 2454-01233        | 00000/0000                                     | 2-20024/0027     | 04/20/76       | 10            | 6321                               | 1559N        | 12318E       | 55.3 92.8         | GGGG                |                      | 123                     | 49                     |
| 2454-01235        | 00000/0000                                     | 2-20024/0028     | 04/20/76       | 20            | 6321                               | 1433N        | 12257E       | 55.1 90.7         | GGGG                |                      | 123                     | 50                     |
| 2454-01242        | 00000/0000                                     | 2-20024/0029     | 04/20/76       | 30            | 6321                               | 1306N        | 12236E       | 54.8 88.6         | FGGG                |                      | 123                     | 51                     |
| 2454-01244        | 00000/0000                                     | 2-20024/0030     | 04/20/76       | 40            | 6321                               | 1139N        | 12216E       | 54.5 86.5         | GGGG                |                      | 123                     | 52                     |
| 2454-01251        | 00000/0000                                     | 2-20024/0031     | 04/20/76       | 20            | 6321                               | 1013N        | 12156E       | 54.2 84.4         | GGGG                |                      | 123                     | 53                     |
| 2454-01253        | 00000/0000                                     | 2-20024/0032     | 04/20/76       | 20            | 6321                               | 0846N        | 12136E       | 53.8 82.5         | GGGG                |                      | 123                     | 54                     |
| 2454-01260        | 00000/0000                                     | 2-20024/0033     | 04/20/76       | 40            | 6321                               | 0719N        | 12115E       | 53.3 80.5         | GGGG                |                      | 123                     | 55                     |
| 2454-03003        | 00000/0000                                     | 2-20024/0034     | 04/20/76       | 20            | 6322                               | 3733N        | 10323E       | 51.9 124.9        | GGGG                |                      | 141                     | 34                     |
| 2454-03010        | 00000/0000                                     | 2-20024/0035     | 04/20/76       | 20            | 6322                               | 3608N        | 10255E       | 52.4 122.9        | GGGG                |                      | 141                     | 35                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = x CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 26, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RSLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2454-03012        | 00000/0000                   | 2-20024/0036                | 04/20/76         | 30             | 6322             | 3442N                        | 10228E        | 53.0         | 121.0        | GGGF                               |                     |                      | 141                     | 36                     |
| 2454-03015        | 00000/0000                   | 2-20024/0037                | 04/20/76         | 10             | 6322             | 3316N                        | 10202E        | 53.4         | 118.9        | GGGG                               |                     |                      | 141                     | 37                     |
| 2454-03021        | 00000/0000                   | 2-20024/0038                | 04/20/76         | 0              | 6322             | 3150N                        | 10137E        | 53.9         | 116.9        | GGGG                               |                     |                      | 141                     | 38                     |
| 2454-03101        | 00000/0000                   | 2-20024/0039                | 04/20/76         | 40             | 6322             | 0425N                        | 09443E        | 52.3         | 76.8         | GGGG                               |                     |                      | 141                     | 57                     |
| 2454-04400        | 00000/0000                   | 2-20024/0045                | 04/20/76         | 20             | 6323             | 5025N                        | 08232E        | 45.2         | 140.7        | GGGG                               |                     |                      | 159                     | 25                     |
| 2454-04403        | 00000/0000                   | 2-20024/0046                | 04/20/76         | 70             | 6323             | 4901N                        | 08153E        | 46.1         | 139.1        | GGGF                               |                     |                      | 159                     | 26                     |
| 2454-04405        | 00000/0000                   | 2-20024/0047                | 04/20/76         | 80             | 6323             | 4736N                        | 08116E        | 46.9         | 137.4        | GGGG                               |                     |                      | 159                     | 27                     |
| 2454-04412        | 00000/0000                   | 2-20024/0048                | 04/20/76         | 70             | 6323             | 4611N                        | 08041E        | 47.7         | 135.8        | GGGG                               |                     |                      | 159                     | 28                     |
| 2454-04414        | 00000/0000                   | 2-20024/0049                | 04/20/76         | 30             | 6323             | 4445N                        | 08008E        | 48.5         | 134.1        | GGGG                               |                     |                      | 159                     | 29                     |
| 2454-04421        | 00000/0000                   | 2-20024/0050                | 04/20/76         | 60             | 6323             | 4320N                        | 07935E        | 49.2         | 132.3        | GGGG                               |                     |                      | 159                     | 30                     |
| 2454-04430        | 00000/0000                   | 2-20024/0051                | 04/20/76         | 0              | 6323             | 4029N                        | 07833E        | 50.6         | 128.7        | GGGF                               |                     |                      | 159                     | 32                     |
| 2454-04432        | 00000/0000                   | 2-20024/0052                | 04/20/76         | 0              | 6323             | 3903N                        | 07804E        | 51.3         | 126.9        | GGGG                               |                     |                      | 159                     | 33                     |
| 2454-04435        | 00000/0000                   | 2-20024/0053                | 04/20/76         | 0              | 6323             | 3737N                        | 07735E        | 51.9         | 124.9        | GGGG                               |                     |                      | 159                     | 34                     |
| 2454-04450        | 00000/0000                   | 2-20024/0054                | 04/20/76         | 0              | 6323             | 3319N                        | 07615E        | 53.4         | 119.0        | GGGG                               |                     |                      | 159                     | 37                     |
| 2454-04453        | 00000/0000                   | 2-20024/0055                | 04/20/76         | 0              | 6323             | 3153N                        | 07550E        | 53.9         | 116.9        | GGGG                               |                     |                      | 159                     | 38                     |
| 2454-04455        | 00000/0000                   | 2-20024/0056                | 04/20/76         | 10             | 6323             | 3027N                        | 07525E        | 54.3         | 114.8        | GGGG                               |                     |                      | 159                     | 39                     |
| 2454-04462        | 00000/0000                   | 2-20024/0057                | 04/20/76         | 10             | 6323             | 2900N                        | 07501E        | 54.6         | 112.7        | GGGG                               |                     |                      | 159                     | 40                     |
| 2454-06205        | 00000/0000                   | 2-20024/0082                | 04/20/76         | 60             | 6324             | 5850N                        | 06125E        | 39.7         | 150.3        | GGGG                               |                     |                      | 177                     | 19                     |
| 2454-06211        | 00000/0000                   | 2-20024/0083                | 04/20/76         | 90             | 6324             | 5727N                        | 06031E        | 40.6         | 148.6        | FGGF                               |                     |                      | 177                     | 20                     |
| 2454-06214        | 00000/0000                   | 2-20024/0084                | 04/20/76         | 80             | 6324             | 5602N                        | 05940E        | 41.6         | 147.1        | GGGG                               |                     |                      | 177                     | 21                     |
| 2454-06220        | 00000/0000                   | 2-20024/0085                | 04/20/76         | 40             | 6324             | 5439N                        | 05852E        | 42.6         | 145.5        | GGGG                               |                     |                      | 177                     | 22                     |
| 2454-06223        | 00000/0000                   | 2-20024/0086                | 04/20/76         | 80             | 6324             | 5315N                        | 05806E        | 43.5         | 143.9        | GGGF                               |                     |                      | 177                     | 23                     |
| 2454-06225        | 00000/0000                   | 2-20024/0087                | 04/20/76         | 90             | 6324             | 5150N                        | 05723E        | 44.4         | 142.3        | GGGG                               |                     |                      | 177                     | 24                     |
| 2454-06232        | 00000/0000                   | 2-20024/0088                | 04/20/76         | 70             | 6324             | 5025N                        | 05642E        | 45.3         | 140.7        | GGGG                               |                     |                      | 177                     | 25                     |
| 2454-06234        | 00000/0000                   | 2-20024/0089                | 04/20/76         | 80             | 6324             | 4900N                        | 05603E        | 46.1         | 139.1        | GGFG                               |                     |                      | 177                     | 26                     |
| 2454-06241        | 00000/0000                   | 2-20024/0090                | 04/20/76         | 100            | 6324             | 4735N                        | 05526E        | 46.9         | 137.4        | FGFG                               |                     |                      | 177                     | 27                     |
| 2454-06251        | 00000/0000                   | 2-20024/0091                | 04/20/76         | 50             | 6324             | 3026N                        | 04935E        | 54.3         | 114.8        | GGGG                               |                     |                      | 177                     | 39                     |
| 2454-06293        | 00000/0000                   | 2-20024/0092                | 04/20/76         | 60             | 6324             | 2900N                        | 04911E        | 54.6         | 112.6        | GGGG                               |                     |                      | 177                     | 40                     |
| 2454-08022        | 00000/0000                   | 2-20024/0138                | 04/20/76         | 40             | 6325             | 6419N                        | 04004E        | 35.6         | 157.0        | GGG                                |                     |                      | 195                     | 15                     |
| 2454-08025        | 00000/0000                   | 2-20024/0139                | 04/20/76         | 10             | 6325             | 6258N                        | 03849E        | 36.7         | 155.2        | FGG                                |                     |                      | 195                     | 16                     |
| 2454-08031        | 00000/0000                   | 2-20024/0140                | 04/20/76         | 30             | 6325             | 6135N                        | 03740E        | 37.7         | 153.5        | GGG                                |                     |                      | 195                     | 17                     |
| 2454-08034        | 00000/0000                   | 2-20024/0141                | 04/20/76         | 40             | 6325             | 6012N                        | 03637E        | 38.7         | 151.9        | GGG                                |                     |                      | 195                     | 18                     |
| 2454-08040        | 00000/0000                   | 2-20024/0142                | 04/20/76         | 30             | 6325             | 5849N                        | 03538E        | 39.7         | 150.2        | FGGG                               |                     |                      | 195                     | 19                     |
| 2454-08043        | 00000/0000                   | 2-20024/0143                | 04/20/76         | 30             | 6325             | 5726N                        | 03443E        | 40.7         | 148.6        | GGGG                               |                     |                      | 195                     | 20                     |
| 2454-08045        | 00000/0000                   | 2-20024/0144                | 04/20/76         | 30             | 6325             | 5622N                        | 03352E        | 41.6         | 147.0        | GGGG                               |                     |                      | 195                     | 21                     |
| 2454-08052        | 00000/0000                   | 2-20024/0145                | 04/20/76         | 40             | 6325             | 5438N                        | 03303E        | 42.6         | 145.5        | GGFG                               |                     |                      | 195                     | 22                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

0244 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2454-08054        | 00000/0000                           | 2-20024/0146     | 04/20/76         | 20             | 6325                   | 5314N                        | 03918E        | 43.5         | 143.9        | GGGG                               |                     |                      | 195                     | 23                     |
| 2454-08061        | 00000/0000                           | 2-20024/0147     | 04/20/76         | 10             | 6325                   | 5140N                        | 03135E        | 44.4         | 142.3        | GGGG                               |                     |                      | 195                     | 24                     |
| 2454-08063        | 00000/0000                           | 2-20024/0148     | 04/20/76         | 10             | 6325                   | 5025N                        | 03054E        | 45.3         | 140.7        | GGGG                               |                     |                      | 195                     | 25                     |
| 2454-08070        | 00000/0000                           | 2-20024/0149     | 04/20/76         | 10             | 6325                   | 4900N                        | 03015E        | 46.1         | 139.1        | GGGG                               |                     |                      | 195                     | 26                     |
| 2454-08072        | 00000/0000                           | 2-20024/0150     | 04/20/76         | 20             | 6325                   | 4735N                        | 02938E        | 47.0         | 137.4        | GGGG                               |                     |                      | 195                     | 27                     |
| 2454-08075        | 00000/0000                           | 2-20024/0151     | 04/20/76         | 50             | 6325                   | 4610N                        | 02903E        | 47.6         | 135.7        | GGGG                               |                     |                      | 195                     | 28                     |
| 2454-08081        | 00000/0000                           | 2-20024/0152     | 04/20/76         | 10             | 6325                   | 4444N                        | 02829E        | 48.5         | 134.0        | GGGG                               |                     |                      | 195                     | 29                     |
| 2454-08084        | 00000/0000                           | 2-20024/0153     | 04/20/76         | 10             | 6325                   | 4319N                        | 02757E        | 49.3         | 132.3        | GGGG                               |                     |                      | 195                     | 30                     |
| 2454-08204        | 00000/0000                           | 2-20024/0154     | 04/20/76         | 10             | 6325                   | 0134N                        | 01639E        | 51.1         | 73.3         | GGGG                               |                     |                      | 195                     | 59                     |
| 2454-08211        | 00000/0000                           | 2-20024/0155     | 04/20/76         | 40             | 6325                   | 0007N                        | 01619E        | 50.5         | 71.7         | GGGG                               |                     |                      | 195                     | 60                     |
| 2454-08213        | 00000/0000                           | 2-20024/0156     | 04/20/76         | 80             | 6325                   | 0118S                        | 01558E        | 49.8         | 70.2         | GGGG                               |                     |                      | 195                     | 61                     |
| 2454-11235        | 00000/0000                           | 2-20023/0513     | 04/20/76         | 30             | 6327                   | 7849N                        | 02311E        | 22.5         | 195.7        | GGGG                               |                     |                      | 230                     | 3                      |
| 2454-11242        | 00000/0000                           | 2-20023/0514     | 04/20/76         | 10             | 6327                   | 7744N                        | 01732E        | 23.6         | 189.9        | GGGG                               |                     |                      | 230                     | 4                      |
| 2454-14500        | 00000/0000                           | 2-20023/0515     | 04/20/76         | 60             | 6329                   | 7937N                        | 02159W        | 21.4         | 202.3        | GGGG                               |                     |                      | 15                      | 2                      |
| 2454-14503        | 00000/0000                           | 2-20023/0516     | 04/20/76         | 90             | 6329                   | 7849N                        | 02832W        | 22.5         | 195.6        | GGGG                               |                     |                      | 15                      | 3                      |
| 2454-14505        | 00000/0000                           | 2-20023/0517     | 04/20/76         | 90             | 6329                   | 7743N                        | 03410W        | 23.7         | 189.8        | GGGG                               |                     |                      | 15                      | 4                      |
| 2454-14512        | 00000/0000                           | 2-20023/0518     | 04/20/76         | 90             | 6329                   | 7642N                        | 03900W        | 24.8         | 184.8        | GGGG                               |                     |                      | 15                      | 5                      |
| 2454-14530        | 00000/0000                           | 2-20023/0519     | 04/20/76         | 50             | 6329                   | 7211N                        | 05228W        | 29.3         | 170.3        | GGGG                               |                     |                      | 16                      | 9                      |
| 2454-14532        | 00000/0000                           | 2-20023/0520     | 04/20/76         | 10             | 6329                   | 7045N                        | 05449W        | 30.4         | 167.6        | GGGG                               |                     |                      | 16                      | 10                     |
| 2454-14535        | 00000/0000                           | 2-20023/0521     | 04/20/76         | 20             | 6329                   | 6938N                        | 05653W        | 31.5         | 165.1        | GGGG                               |                     |                      | 16                      | 11                     |
| 2454-14541        | 00000/0000                           | 2-20023/0522     | 04/20/76         | 30             | 6329                   | 6819N                        | 05845W        | 32.6         | 162.9        | GGGG                               |                     |                      | 16                      | 12                     |
| 2454-14544        | 00000/0000                           | 2-20023/0523     | 04/20/76         | 40             | 6329                   | 6649N                        | 06025W        | 33.6         | 160.8        | GGGG                               |                     |                      | 16                      | 13                     |
| 2454-15073        | 00000/0000                           | 2-20023/0524     | 04/20/76         | 30             | 6329                   | 2313N                        | 08125W        | 55.5         | 103.6        | GGGG                               |                     |                      | 16                      | 44                     |
| 2454-16423        | 00000/0000                           | 2-20023/0280     | 04/20/76         | 30             | 6330                   | 5148N                        | 09731W        | 44.5         | 142.2        | GGGG                               |                     |                      | 34                      | 24                     |
| 2454-16425        | 00000/0000                           | 2-20023/0281     | 04/20/76         | 70             | 6330                   | 5023N                        | 09811W        | 45.4         | 140.6        | GGGG                               |                     |                      | 34                      | 25                     |
| 2454-18261        | 00000/0000                           | 2-20024/0093     | 04/20/76         | 80             | 6331                   | 5023N                        | 12401W        | 45.4         | 140.6        | GGGG                               |                     |                      | 52                      | 25                     |
| 2454-18281        | 00000/0000                           | 2-20024/0094     | 04/20/76         | 40             | 6331                   | 4318N                        | 12658W        | 49.4         | 132.1        | GGGG                               |                     |                      | 52                      | 30                     |
| 2455-01194        | 00000/0000                           | 2-20024/0157     | 04/21/76         | 10             | 6335                   | 4849N                        | 13205E        | 46.4         | 138.9        | GGGG                               |                     |                      | 124                     | 26                     |
| 2455-01200        | 00000/0000                           | 2-20024/0158     | 04/21/76         | 10             | 6335                   | 4734N                        | 13127E        | 47.2         | 137.3        | GGGG                               |                     |                      | 124                     | 27                     |
| 2455-01203        | 00000/0000                           | 2-20024/0159     | 04/21/76         | 10             | 6335                   | 4609N                        | 13052E        | 48.0         | 135.6        | GGGG                               |                     |                      | 124                     | 28                     |
| 2455-01205        | 00000/0000                           | 2-20024/0206     | 04/21/76         | 20             | 6335                   | 4443N                        | 13018E        | 48.8         | 133.9        | GGGG                               |                     |                      | 124                     | 29                     |
| 2455-01212        | 00000/0000                           | 2-20024/0207     | 04/21/76         | 80             | 6335                   | 4319N                        | 12946E        | 49.5         | 132.1        | GGGG                               |                     |                      | 124                     | 30                     |
| 2455-01214        | 00000/0000                           | 2-20024/0208     | 04/21/76         | 90             | 6335                   | 4144N                        | 12915E        | 50.2         | 130.3        | GGGG                               |                     |                      | 124                     | 31                     |
| 2455-01291        | 00000/0000                           | 2-20024/0209     | 04/21/76         | 10             | 6335                   | 1600N                        | 12152E        | 55.4         | 92.3         | GGGG                               |                     |                      | 124                     | 49                     |
| 2455-01294        | 00000/0000                           | 2-20024/0210     | 04/21/76         | 10             | 6335                   | 1434N                        | 12131E        | 55.2         | 90.1         | GGGG                               |                     |                      | 124                     | 50                     |
| 2455-01300        | 00000/0000                           | 2-20024/0211     | 04/21/76         | 10             | 6335                   | 1307N                        | 12110E        | 54.9         | 88.0         | GGGG                               |                     |                      | 124                     | 51                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR N4N-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBY | ROLL NO./<br>IN RBL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY<br>MSS | 123<br>45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|------------------------|------------------------------|-------------------------------|--------------|--------------|--------------------------|--------------|---------------------|----------------------|-------------------------|------------------------|
| 2455-01303        | 00000/0000                   | 2-20024/0212               | 04/21/76         | 10             | 6335                   | 1141N                        | 12049E                        | 54.6         | 85.9         | GGGG                     |              |                     |                      | 124                     | 52                     |
| 2455-01305        | 00000/0000                   | 2-20024/0213               | 04/21/76         | 10             | 6335                   | 1014N                        | 12029E                        | 54.2         | 83.9         | GGGG                     |              |                     |                      | 124                     | 53                     |
| 2455-01312        | 00000/0000                   | 2-20024/0214               | 04/21/76         | 20             | 6335                   | 0847N                        | 12008E                        | 53.8         | 81.9         | GGGG                     |              |                     |                      | 124                     | 54                     |
| 2455-01314        | 00000/0000                   | 2-20024/0215               | 04/21/76         | 70             | 6335                   | 0720N                        | 11948E                        | 53.4         | 80.0         | GGGG                     |              |                     |                      | 124                     | 55                     |
| 2455-03011        | 00000/0000                   | 2-20024/0216               | 04/21/76         | 90             | 6336                   | 5438N                        | 10903E                        | 42.9         | 145.4        | GGGG                     |              |                     |                      | 142                     | 22                     |
| 2455-03014        | 00000/0000                   | 2-20024/0217               | 04/21/76         | 60             | 6336                   | 5314N                        | 10818E                        | 43.8         | 143.8        | GGGG                     |              |                     |                      | 142                     | 23                     |
| 2455-03020        | 00000/0000                   | 2-20024/0218               | 04/21/76         | 60             | 6336                   | 5149N                        | 10735E                        | 44.7         | 142.2        | GGGG                     |              |                     |                      | 142                     | 24                     |
| 2455-03023        | 00000/0000                   | 2-20024/0219               | 04/21/76         | 70             | 6336                   | 5024N                        | 10655E                        | 45.6         | 140.6        | GGGG                     |              |                     |                      | 142                     | 25                     |
| 2455-03055        | 00000/0000                   | 2-20024/0220               | 04/21/76         | 90             | 6336                   | 3900N                        | 10226E                        | 51.5         | 126.5        | GGGG                     |              |                     |                      | 142                     | 33                     |
| 2455-03061        | 00000/0000                   | 2-20024/0221               | 04/21/76         | 90             | 6336                   | 3735N                        | 10158E                        | 52.1         | 124.6        | GGGG                     |              |                     |                      | 142                     | 34                     |
| 2455-03064        | 00000/0000                   | 2-20024/0222               | 04/21/76         | 90             | 6336                   | 3609N                        | 10131E                        | 52.7         | 122.6        | GGGG                     |              |                     |                      | 142                     | 35                     |
| 2455-03070        | 00000/0000                   | 2-20024/0223               | 04/21/76         | 60             | 6336                   | 3443N                        | 10104E                        | 53.2         | 120.6        | GGGG                     |              |                     |                      | 142                     | 36                     |
| 2455-03073        | 00000/0000                   | 2-20024/0224               | 04/21/76         | 60             | 6336                   | 3317N                        | 10038E                        | 53.7         | 118.6        | GGGG                     |              |                     |                      | 142                     | 37                     |
| 2455-04454        | 00000/0000                   | 2-20024/0225               | 04/21/76         | 0              | 6337                   | 5024N                        | 08104E                        | 45.6         | 140.5        | GGGF                     |              |                     |                      | 160                     | 25                     |
| 2455-04461        | 00000/0000                   | 2-20024/0226               | 04/21/76         | 0              | 6337                   | 4900N                        | 08025E                        | 46.4         | 138.9        | GGGG                     |              |                     |                      | 160                     | 26                     |
| 2455-04463        | 00000/0000                   | 2-20024/0227               | 04/21/76         | 10             | 6337                   | 4735N                        | 07948E                        | 47.3         | 137.2        | GGGG                     |              |                     |                      | 160                     | 27                     |
| 2455-04470        | 00000/0000                   | 2-20024/0228               | 04/21/76         | 0              | 6337                   | 4609N                        | 07914E                        | 48.1         | 135.5        | GGGG                     |              |                     |                      | 160                     | 28                     |
| 2455-04472        | 00000/0000                   | 2-20024/0229               | 04/21/76         | 10             | 6337                   | 4443N                        | 07840E                        | 48.8         | 133.8        | GGGF                     |              |                     |                      | 160                     | 29                     |
| 2455-04475        | 00000/0000                   | 2-20024/0230               | 04/21/76         | 10             | 6337                   | 4318N                        | 07808E                        | 49.6         | 132.0        | GGGG                     |              |                     |                      | 160                     | 30                     |
| 2455-04481        | 00000/0000                   | 2-20024/0231               | 04/21/76         | 10             | 6337                   | 4153N                        | 07737E                        | 50.3         | 130.2        | GGGG                     |              |                     |                      | 160                     | 31                     |
| 2455-04484        | 00000/0000                   | 2-20024/0232               | 04/21/76         | 30             | 6337                   | 4028N                        | 07706E                        | 50.9         | 128.4        | GGFG                     |              |                     |                      | 160                     | 32                     |
| 2455-04490        | 00000/0000                   | 2-20024/0233               | 04/21/76         | 50             | 6337                   | 3901N                        | 07637E                        | 51.6         | 126.5        | GGGG                     |              |                     |                      | 160                     | 33                     |
| 2455-04493        | 00000/0000                   | 2-20024/0234               | 04/21/76         | 0              | 6337                   | 3735N                        | 07609E                        | 52.2         | 124.6        | GGGG                     |              |                     |                      | 160                     | 34                     |
| 2455-04495        | 00000/0000                   | 2-20024/0235               | 04/21/76         | 0              | 6337                   | 3609N                        | 07541E                        | 52.7         | 122.6        | GGGG                     |              |                     |                      | 160                     | 35                     |
| 2455-04502        | 00000/0000                   | 2-20024/0236               | 04/21/76         | 0              | 6337                   | 3443N                        | 07515E                        | 53.2         | 120.6        | GGGG                     |              |                     |                      | 160                     | 36                     |
| 2455-04504        | 00000/0000                   | 2-20024/0237               | 04/21/76         | 0              | 6337                   | 3316N                        | 07448E                        | 53.7         | 118.5        | GGGG                     |              |                     |                      | 160                     | 37                     |
| 2455-04511        | 00000/0000                   | 2-20024/0238               | 04/21/76         | 0              | 6337                   | 3151N                        | 07423E                        | 54.1         | 116.5        | GGGG                     |              |                     |                      | 160                     | 38                     |
| 2455-04513        | 00000/0000                   | 2-20024/0239               | 04/21/76         | 0              | 6337                   | 3024N                        | 07358E                        | 54.5         | 114.3        | FGGG                     |              |                     |                      | 160                     | 39                     |
| 2455-06272        | 00000/0000                   | 2-20024/0390               | 04/21/76         | 80             | 6338                   | 5556N                        | 05811E                        | 42.0         | 146.9        | GGGG                     |              |                     |                      | 178                     | 21                     |
| 2455-06275        | 00000/0000                   | 2-20024/0391               | 04/21/76         | 90             | 6338                   | 5433N                        | 05724E                        | 42.9         | 145.3        | GGGG                     |              |                     |                      | 178                     | 22                     |
| 2455-06281        | 00000/0000                   | 2-20024/0392               | 04/21/76         | 100            | 6338                   | 5307N                        | 05638E                        | 43.9         | 143.7        | GGGG                     |              |                     |                      | 178                     | 23                     |
| 2455-06290        | 00000/0000                   | 2-20024/0393               | 04/21/76         | 90             | 6338                   | 5020N                        | 05515E                        | 45.6         | 140.5        | GGGG                     |              |                     |                      | 178                     | 24                     |
| 2455-06293        | 00000/0000                   | 2-20024/0394               | 04/21/76         | 90             | 6338                   | 4855N                        | 05436E                        | 46.5         | 138.8        | GGGG                     |              |                     |                      | 178                     | 25                     |
| 2455-06320        | 00000/0000                   | 2-20024/0250               | 04/21/76         | 30             | 6338                   | 4023N                        | 05116E                        | 51.0         | 128.3        | G                        |              |                     |                      | 178                     | 32                     |
| 2455-06322        | 00000/0000                   | 2-20024/0251               | 04/21/76         | 30             | 6338                   | 3857N                        | 05047E                        | 51.6         | 126.4        | FGGG                     |              |                     |                      | 178                     | 33                     |
| 2455-06325        | 00000/0000                   | 2-20024/0252               | 04/21/76         | 20             | 6338                   | 3731N                        | 05019E                        | 52.2         | 124.5        | GGGG                     |              |                     |                      | 178                     | 34                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, SAND NOT AVAILABLE. G, GOOD. P, POOR. F, FAIR.  
 MSS DATA MODE ..... (BLANK) = COMPRESSED, L = LINEAR  
 MSS IMAGE GAIN ..... (BLANK) = LOW GAIN, H = HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2455-06331        | 00000/0000                                     | 2-20024/0253     | 04/21/76       | 10                     | 6338                               | 36n5N        | 04951E       | 52.8              | 122.5               | GGGG                 | 178                     | 35                     |
| 2455-06334        | 00000/0000                                     | 2-20024/0254     | 04/21/76       | 10                     | 6338                               | 3439N        | 04925E       | 53.3              | 120.5               | GGGG                 | 178                     | 36                     |
| 2455-06340        | 00000/0000                                     | 2-20024/0255     | 04/21/76       | 40                     | 6338                               | 3313N        | 04859E       | 53.7              | 118.4               | GGGG                 | 178                     | 37                     |
| 2455-06343        | 00000/0000                                     | 2-20024/0256     | 04/21/76       | 80                     | 6338                               | 3147N        | 04833E       | 54.2              | 116.3               | GGGG                 | 178                     | 38                     |
| 2455-06345        | 00000/0000                                     | 2-20024/0257     | 04/21/76       | 100                    | 6338                               | 3021N        | 04808E       | 54.5              | 114.2               | GGGG                 | 178                     | 39                     |
| 2455-08081        | 00000/0000                                     | 2-20024/0258     | 04/21/76       | 50                     | 6339                               | 6414N        | 03830E       | 36.0              | 156.9               | GGGG                 | 196                     | 18                     |
| 2455-08095        | 00000/0000                                     | 2-20024/0259     | 04/21/76       | 90                     | 6339                               | 5844N        | 03407E       | 40.1              | 150.1               | GGGG                 | 196                     | 19                     |
| 2455-08101        | 00000/0000                                     | 2-20024/0260     | 04/21/76       | 90                     | 6339                               | 5771N        | 03313E       | 41.1              | 148.5               | GGGG                 | 196                     | 20                     |
| 2455-08104        | 00000/0000                                     | 2-20024/0261     | 04/21/76       | 90                     | 6339                               | 5557N        | 03222E       | 42.0              | 146.9               | GGGG                 | 196                     | 21                     |
| 2455-08110        | 00000/0000                                     | 2-20024/0262     | 04/21/76       | 90                     | 6339                               | 5433N        | 03134E       | 43.0              | 145.3               | GGGG                 | 196                     | 22                     |
| 2455-08113        | 00000/0000                                     | 2-20024/0263     | 04/21/76       | 80                     | 6339                               | 5309N        | 03048E       | 43.9              | 143.7               | GGGG                 | 196                     | 23                     |
| 2455-08115        | 00000/0000                                     | 2-20024/0264     | 04/21/76       | 20                     | 6339                               | 5144N        | 03005E       | 44.8              | 142.1               | GGGG                 | 196                     | 24                     |
| 2455-08122        | 00000/0000                                     | 2-20024/0265     | 04/21/76       | 20                     | 6339                               | 5019N        | 02924E       | 45.7              | 140.4               | GGGG                 | 196                     | 25                     |
| 2455-08124        | 00000/0000                                     | 2-20024/0266     | 04/21/76       | 40                     | 6339                               | 4844N        | 02846E       | 46.5              | 138.8               | GGGG                 | 196                     | 26                     |
| 2455-08133        | 00000/0000                                     | 2-20024/0267     | 04/21/76       | 50                     | 6339                               | 4604N        | 02733E       | 48.1              | 135.4               | GGGG                 | 196                     | 28                     |
| 2455-09503        | 00000/0000                                     | 2-20024/0305     | 04/21/76       | 50                     | 6340                               | 6655N        | 01535E       | 34.0              | 160.7               | GGGG                 | 214                     | 13                     |
| 2455-09510        | 00000/0000                                     | 2-20024/0306     | 04/21/76       | 30                     | 6340                               | 6535N        | 01406E       | 35.0              | 158.7               | GGGG                 | 214                     | 14                     |
| 2455-11291        | 00000/0000                                     | 2-20024/0307     | 04/21/76       | 50                     | 6341                               | 7936N        | 02808E       | 21.7              | 202.3               | GGGG                 | 231                     | 2                      |
| 2455-11294        | 00000/0000                                     | 2-20024/0308     | 04/21/76       | 40                     | 6341                               | 7848N        | 02137E       | 22.8              | 195.6               | GGGG                 | 231                     | 3                      |
| 2455-11300        | 00000/0000                                     | 2-20024/0309     | 04/21/76       | 70                     | 6341                               | 7742N        | 01559E       | 24.0              | 189.8               | GGGG                 | 231                     | 4                      |
| 2455-11303        | 00000/0000                                     | 2-20024/0310     | 04/21/76       | 80                     | 6341                               | 7650N        | 01111E       | 25.1              | 184.8               | GGGG                 | 231                     | 5                      |
| 2455-13114        | 00000/0000                                     | 2-20024/0311     | 04/21/76       | 90                     | 6342                               | 8045N        | 01411E       | 19.4              | 218.3               | GGGG                 | 236                     | 247                    |
| 2455-13120        | 00000/0000                                     | 2-20024/0312     | 04/21/76       | 80                     | 6342                               | 8016N        | 00948E       | 20.6              | 209.8               | GGGG                 | 236                     | 248                    |
| 2455-13123        | 00000/0000                                     | 2-20024/0313     | 04/21/76       | 90                     | 6342                               | 7936N        | 00216E       | 21.7              | 202.2               | GGGG                 | 249                     | 2                      |
| 2455-13125        | 00000/0000                                     | 2-20024/0314     | 04/21/76       | 60                     | 6342                               | 7847N        | 00415W       | 22.9              | 195.6               | GGGG                 | 249                     | 3                      |
| 2455-13132        | 00000/0000                                     | 2-20024/0315     | 04/21/76       | 30                     | 6342                               | 7752N        | 00952W       | 24.0              | 189.8               | GGGG                 | 249                     | 4                      |
| 2455-14545        | 00000/0000                                     | 2-20024/0316     | 04/21/76       | 20                     | 6343                               | 8044N        | 00735W       | 19.4              | 218.3               | GGGG                 | 3                       | 247                    |
| 2455-15054        | 00000/0000                                     | 2-20024/0317     | 04/21/76       | 60                     | 6343                               | 8857N        | 07427W       | 46.6              | 138.8               | GGGG                 | 17                      | 26                     |
| 2455-16384        | 00000/0000                                     | 2-20024/0318     | 04/21/76       | 10                     | 6344                               | 8016N        | 04154W       | 20.6              | 209.8               | GGGG                 | 21                      | 248                    |
| 2455-16484        | 00000/0000                                     | 2-20023/0282     | 04/21/76       | 30                     | 6344                               | 5021N        | 09939W       | 45.8              | 140.4               | GGGG                 | 35                      | 25                     |
| 2455-18315        | 00000/0000                                     | 2-20024/0095     | 04/21/76       | 90                     | 6345                               | 5021N        | 12528W       | 45.8              | 140.4               | GGGG                 | 53                      | 25                     |
| 2455-18331        | 00000/0000                                     | 2-20024/0096     | 04/21/76       | 80                     | 6345                               | 4606N        | 12719W       | 48.3              | 135.4               | GGGG                 | 53                      | 28                     |
| 2455-18333        | 00000/0000                                     | 2-20024/0097     | 04/21/76       | 90                     | 6345                               | 4441N        | 12752W       | 49.0              | 133.6               | GGGG                 | 53                      | 29                     |
| 2455-21512        | 00000/0000                                     | 2-20024/0304     | 04/21/76       | 50                     | 6347                               | 7322N        | 15433W       | 28.7              | 173.2               | GGGG                 | 89                      | 8                      |
| 2455-23384        | 00000/0000                                     | 2-20024/0318     | 04/21/76       | 0                      | 6348                               | 60n7N        | 16245E       | 39.3              | 151.7               | GGGG                 | 107                     | 18                     |
| 2456-01252        | 00000/0000                                     | 2-20024/0333     | 04/22/76       | 100                    | 6349                               | 4858N        | 13039E       | 46.7              | 138.7               | GGF                  | 125                     | 26                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|--------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2456-01272        | 00000/0000                   | 2-20024/0334                         | 04/22/76         | 90             | 6349            | 4141N                        | 12748E        | 50.5         | 130.0        | GFGG                  |                     |                      | 125                     | 31                     |
| 2456-01345        | 00000/0000                   | 2-20024/0335                         | 04/22/76         | 10             | 6349            | 1549N                        | 12027E        | 55.5         | 91.7         | GGGG                  |                     |                      | 125                     | 49                     |
| 2456-01352        | 00000/0000                   | 2-20024/0336                         | 04/22/76         | 20             | 6349            | 1432N                        | 12006E        | 55.2         | 89.5         | GGGG                  |                     |                      | 125                     | 50                     |
| 2456-01354        | 00000/0000                   | 2-20024/0337                         | 04/22/76         | 20             | 6349            | 1305N                        | 11945E        | 55.0         | 87.4         | FGGG                  |                     |                      | 125                     | 51                     |
| 2456-03075        | 00000/0000                   | 2-20024/0338                         | 04/22/76         | 10             | 6350            | 5147N                        | 10608E        | 45.0         | 142.0        | FGGG                  |                     |                      | 143                     | 24                     |
| 2456-03113        | 00000/0000                   | 2-20024/0339                         | 04/22/76         | 30             | 6350            | 3848N                        | 10059E        | 51.8         | 126.2        | GGGG                  |                     |                      | 143                     | 33                     |
| 2456-03120        | 00000/0000                   | 2-20024/0340                         | 04/22/76         | 20             | 6350            | 3733N                        | 10030E        | 52.4         | 124.2        | GGGG                  |                     |                      | 143                     | 34                     |
| 2456-03122        | 00000/0000                   | 2-20024/0341                         | 04/22/76         | 10             | 6350            | 3677N                        | 10003E        | 53.0         | 122.3        | GGFG                  |                     |                      | 143                     | 35                     |
| 2456-03125        | 00000/0000                   | 2-20024/0342                         | 04/22/76         | 10             | 6350            | 3441N                        | 09936E        | 53.5         | 120.2        | GGGG                  |                     |                      | 143                     | 36                     |
| 2456-03190        | 00000/0000                   | 2-20024/0343                         | 04/22/76         | 20             | 6350            | 1305N                        | 09355E        | 55.0         | 87.3         | GGGG                  |                     |                      | 143                     | 51                     |
| 2456-03193        | 00000/0000                   | 2-20024/0344                         | 04/22/76         | 20             | 6350            | 1138N                        | 09335E        | 54.6         | 85.2         | GGGG                  |                     |                      | 143                     | 52                     |
| 2456-03195        | 00000/0000                   | 2-20024/0345                         | 04/22/76         | 10             | 6350            | 1012N                        | 09315E        | 54.3         | 83.2         | GGGG                  |                     |                      | 143                     | 53                     |
| 2456-03202        | 00000/0000                   | 2-20024/0346                         | 04/22/76         | 20             | 6350            | 0845N                        | 09254E        | 53.8         | 81.2         | GGGG                  |                     |                      | 143                     | 54                     |
| 2456-03204        | 00000/0000                   | 2-20024/0347                         | 04/22/76         | 20             | 6350            | 0718N                        | 09234E        | 53.4         | 79.3         | GGGG                  |                     |                      | 143                     | 55                     |
| 2456-03211        | 00000/0000                   | 2-20024/0348                         | 04/22/76         | 30             | 6350            | 0551N                        | 09213E        | 52.9         | 77.5         | GGGG                  |                     |                      | 143                     | 56                     |
| 2456-03213        | 00000/0000                   | 2-20024/0349                         | 04/22/76         | 30             | 6350            | 0425N                        | 09153E        | 52.3         | 75.7         | GGGG                  |                     |                      | 143                     | 57                     |
| 2456-04490        | 00000/0000                   | 2-20024/0352                         | 04/22/76         | 50             | 6351            | 5847N                        | 08423E        | 40.4         | 150.1        | GGGG                  |                     |                      | 161                     | 19                     |
| 2456-04492        | 00000/0000                   | 2-20024/0353                         | 04/22/76         | 10             | 6351            | 5724N                        | 08329E        | 41.3         | 148.4        | GGGG                  |                     |                      | 161                     | 20                     |
| 2456-04501        | 00000/0000                   | 2-20024/0354                         | 04/22/76         | 10             | 6351            | 5476N                        | 08150E        | 43.2         | 145.2        | GGGG                  |                     |                      | 161                     | 22                     |
| 2456-04504        | 00000/0000                   | 2-20024/0355                         | 04/22/76         | 10             | 6351            | 5311N                        | 08105E        | 44.2         | 143.6        | GGGG                  |                     |                      | 161                     | 23                     |
| 2456-04510        | 00000/0000                   | 2-20024/0356                         | 04/22/76         | 10             | 6351            | 5147N                        | 08022E        | 45.1         | 142.0        | GGGG                  |                     |                      | 161                     | 24                     |
| 2456-04513        | 00000/0000                   | 2-20024/0357                         | 04/22/76         | 40             | 6351            | 5023N                        | 07940E        | 45.9         | 140.3        | GGGG                  |                     |                      | 161                     | 25                     |
| 2456-04515        | 00000/0000                   | 2-20024/0358                         | 04/22/76         | 60             | 6351            | 4848N                        | 07900E        | 46.8         | 138.7        | GGGG                  |                     |                      | 161                     | 26                     |
| 2456-04522        | 00000/0000                   | 2-20024/0359                         | 04/22/76         | 40             | 6351            | 4732N                        | 07823E        | 47.6         | 137.0        | GGGG                  |                     |                      | 161                     | 27                     |
| 2456-04524        | 00000/0000                   | 2-20024/0360                         | 04/22/76         | 10             | 6351            | 4677N                        | 07747E        | 48.4         | 135.3        | GGGG                  |                     |                      | 161                     | 28                     |
| 2456-04531        | 00000/0000                   | 2-20024/0361                         | 04/22/76         | 10             | 6351            | 4441N                        | 07713E        | 49.2         | 133.5        | GGGG                  |                     |                      | 161                     | 29                     |
| 2456-04533        | 00000/0000                   | 2-20024/0362                         | 04/22/76         | 0              | 6351            | 4316N                        | 07641E        | 49.9         | 131.8        | GGGG                  |                     |                      | 161                     | 30                     |
| 2456-04540        | 00000/0000                   | 2-20024/0363                         | 04/22/76         | 0              | 6351            | 4100N                        | 07610E        | 50.6         | 129.9        | GGGG                  |                     |                      | 161                     | 31                     |
| 2456-04542        | 00000/0000                   | 2-20024/0364                         | 04/22/76         | 30             | 6351            | 4025N                        | 07540E        | 51.2         | 128.1        | GGGG                  |                     |                      | 161                     | 32                     |
| 2456-04545        | 00000/0000                   | 2-20024/0365                         | 04/22/76         | 00             | 6351            | 3859N                        | 07511E        | 51.9         | 126.2        | GFGG                  |                     |                      | 161                     | 33                     |
| 2456-04551        | 00000/0000                   | 2-20024/0366                         | 04/22/76         | 10             | 6351            | 3743N                        | 07443E        | 52.5         | 124.2        | GGGG                  |                     |                      | 161                     | 34                     |
| 2456-04554        | 00000/0000                   | 2-20024/0367                         | 04/22/76         | 10             | 6351            | 3608N                        | 07415E        | 53.0         | 122.2        | GGGG                  |                     |                      | 161                     | 35                     |
| 2456-04560        | 00000/0000                   | 2-20024/0368                         | 04/22/76         | 10             | 6351            | 3441N                        | 07348E        | 53.5         | 120.2        | GGGG                  |                     |                      | 161                     | 36                     |
| 2456-04563        | 00000/0000                   | 2-20024/0369                         | 04/22/76         | 20             | 6351            | 3315N                        | 07323E        | 54.0         | 118.1        | GGGG                  |                     |                      | 161                     | 37                     |
| 2456-06321        | 00000/0000                   | 2-20024/0460                         | 04/22/76         | 50             | 6352            | 5846N                        | 05831E        | 40.4         | 150.0        | GGGG                  |                     |                      | 179                     | 19                     |
| 2456-06333        | 00000/0000                   | 2-20024/0461                         | 04/22/76         | 70             | 6352            | 5475N                        | 05558E        | 43.3         | 145.2        | GGGF                  |                     |                      | 179                     | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | LONG   | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|--------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2456-06335        | 00000/0000                   | 2-20024/0466                | 04/22/76         | 60             | 6352            | 5310N                              | 05513E | 44.2         | 143.6        | GGGG                               |                     |                      | 179                     | 23                     |
| 2456-06342        | 00000/0000                   | 2-20024/0463                | 04/22/76         | 50             | 6352            | 5146N                              | 05630E | 45.1         | 142.0        | GGGG                               |                     |                      | 179                     | 24                     |
| 2456-06344        | 00000/0000                   | 2-20024/0427                | 04/22/76         | 50             | 6352            | 5021N                              | 05349E | 46.0         | 140.3        | GGGG                               |                     |                      | 179                     | 25                     |
| 2456-06374        | 00000/0000                   | 2-20024/0428                | 04/22/76         | 50             | 6352            | 4024N                              | 04949E | 51.3         | 128.1        | GGGG                               |                     |                      | 179                     | 32                     |
| 2456-06380        | 00000/0000                   | 2-20024/0429                | 04/22/76         | 20             | 6352            | 3858N                              | 04920E | 51.9         | 126.1        | GGGG                               |                     |                      | 179                     | 33                     |
| 2456-06383        | 00000/0000                   | 2-20024/0430                | 04/22/76         | 50             | 6352            | 3742N                              | 04851E | 52.5         | 124.2        | GGGG                               |                     |                      | 179                     | 34                     |
| 2456-06385        | 00000/0000                   | 2-20024/0431                | 04/22/76         | 20             | 6352            | 3606N                              | 04824E | 53.0         | 122.2        | GGGG                               |                     |                      | 179                     | 35                     |
| 2456-06392        | 00000/0000                   | 2-20024/0432                | 04/22/76         | 30             | 6352            | 3440N                              | 04758E | 53.5         | 120.2        | GGGG                               |                     |                      | 179                     | 36                     |
| 2456-06394        | 00000/0000                   | 2-20024/0433                | 04/22/76         | 20             | 6352            | 3314N                              | 04732E | 54.0         | 118.1        | GGGG                               |                     |                      | 179                     | 37                     |
| 2456-08135        | 00000/0000                   | 2-20024/0446                | 04/22/76         | 20             | 6353            | 6416N                              | 03709E | 36.4         | 156.9        | GGGG                               |                     |                      | 197                     | 15                     |
| 2456-08141        | 00000/0000                   | 2-20024/0447                | 04/22/76         | 40             | 6353            | 6254N                              | 03554E | 37.4         | 155.1        | GGGG                               |                     |                      | 197                     | 16                     |
| 2456-08144        | 00000/0000                   | 2-20024/0448                | 04/22/76         | 20             | 6353            | 6132N                              | 03446E | 38.4         | 153.4        | GGGG                               |                     |                      | 197                     | 17                     |
| 2456-08150        | 00000/0000                   | 2-20024/0449                | 04/22/76         | 80             | 6353            | 6009N                              | 03343E | 39.4         | 151.7        | GGGG                               |                     |                      | 197                     | 18                     |
| 2456-08155        | 00000/0000                   | 2-20024/0450                | 04/22/76         | 70             | 6353            | 5722N                              | 03149E | 41.4         | 148.4        | GGGG                               |                     |                      | 197                     | 19                     |
| 2456-08162        | 00000/0000                   | 2-20024/0451                | 04/22/76         | 70             | 6353            | 5558N                              | 03057E | 42.4         | 146.8        | GGGG                               |                     |                      | 197                     | 20                     |
| 2456-08164        | 00000/0000                   | 2-20024/0452                | 04/22/76         | 90             | 6353            | 5435N                              | 03009E | 43.3         | 145.2        | GGGG                               |                     |                      | 197                     | 21                     |
| 2456-08171        | 00000/0000                   | 2-20024/0453                | 04/22/76         | 60             | 6353            | 5310N                              | 02924E | 44.2         | 143.6        | GGGG                               |                     |                      | 197                     | 22                     |
| 2456-08180        | 00000/0000                   | 2-20024/0454                | 04/22/76         | 80             | 6353            | 5021N                              | 02800E | 46.0         | 140.3        | GGGG                               |                     |                      | 197                     | 23                     |
| 2456-08182        | 00000/0000                   | 2-20024/0455                | 04/22/76         | 40             | 6353            | 4856N                              | 02722E | 46.8         | 138.7        | GGGG                               |                     |                      | 197                     | 24                     |
| 2456-08185        | 00000/0000                   | 2-20024/0456                | 04/22/76         | 30             | 6353            | 4731N                              | 02645E | 47.6         | 137.0        | GGGG                               |                     |                      | 197                     | 25                     |
| 2456-08200        | 00000/0000                   | 2-20024/0457                | 04/22/76         | 10             | 6353            | 4315N                              | 02504E | 49.9         | 131.7        | GGGG                               |                     |                      | 197                     | 26                     |
| 2456-08282        | 00000/0000                   | 2-20024/0458                | 04/22/76         | 10             | 6353            | 1430N                              | 01448E | 55.3         | 89.3         | GGGG                               |                     |                      | 197                     | 27                     |
| 2456-08285        | 00000/0000                   | 2-20024/0459                | 04/22/76         | 20             | 6353            | 1304N                              | 01627E | 55.0         | 87.2         | GGGG                               |                     |                      | 197                     | 28                     |
| 2456-08291        | 00000/0000                   | 2-20024/0319                | 04/22/76         | 20             | 6353            | 1137N                              | 01606E | 54.7         | 85.1         | GGGG                               |                     |                      | 197                     | 29                     |
| 2456-08294        | 00000/0000                   | 2-20024/0320                | 04/22/76         | 10             | 6353            | 1010N                              | 01546E | 54.3         | 83.1         | GGGG                               |                     |                      | 197                     | 30                     |
| 2456-09561        | 00000/0000                   | 2-20024/0321                | 04/22/76         | 60             | 6354            | 6656N                              | 01410E | 34.3         | 160.7        | GGGG                               |                     |                      | 215                     | 13                     |
| 2456-09564        | 00000/0000                   | 2-20024/0322                | 04/22/76         | 80             | 6354            | 6536N                              | 01240E | 35.4         | 158.8        | GGGG                               |                     |                      | 215                     | 14                     |
| 2456-11350        | 00000/0000                   | 2-20024/0323                | 04/22/76         | 80             | 6355            | 7935N                              | 02637E | 22.1         | 202.2        | GGGG                               |                     |                      | 232                     | 2                      |
| 2456-11352        | 00000/0000                   | 2-20024/0324                | 04/22/76         | 20             | 6355            | 7846N                              | 02005E | 23.2         | 195.5        | GGGG                               |                     |                      | 232                     | 3                      |
| 2456-11355        | 00000/0000                   | 2-20024/0325                | 04/22/76         | 40             | 6355            | 7750N                              | 01428E | 24.3         | 189.7        | GGGG                               |                     |                      | 232                     | 4                      |
| 2456-11361        | 00000/0000                   | 2-20024/0326                | 04/22/76         | 90             | 6355            | 7649N                              | 00941E | 25.5         | 184.7        | GGGG                               |                     |                      | 232                     | 5                      |
| 2456-13172        | 00000/0000                   | 2-20024/0327                | 04/22/76         | 30             | 6356            | 8043N                              | 01640E | 19.8         | 218.2        | GGGG                               |                     |                      | 238                     | 247                    |
| 2456-13175        | 00000/0000                   | 2-20024/0328                | 04/22/76         | 30             | 6356            | 8014N                              | 00817E | 20.9         | 209.7        | GGGG                               |                     |                      | 250                     | 1                      |
| 2456-13181        | 00000/0000                   | 2-20024/0329                | 04/22/76         | 10             | 6356            | 7944N                              | 00049E | 22.1         | 202.1        | GGGG                               |                     |                      | 250                     | 2                      |
| 2456-13190        | 00000/0000                   | 2-20024/0330                | 04/22/76         | 10             | 6356            | 7750N                              | 01118W | 24.4         | 189.7        | GGGG                               |                     |                      | 250                     | 3                      |
| 2456-15004        | 00000/0000                   | 2-20024/0331                | 04/22/76         | 10             | 6357            | 8045N                              | 00915W | 19.8         | 218.2        | GGGG                               |                     |                      | 5                       | 247                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/32/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|-------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2456-16453        | 00000/0000                   | 2-20024/0332                | 04/22/76         | 0              | 6358            | 7751N                        | 06301W                        | 24.4         | 189.7        | GGGG                               |                     |                      | 35                      | 4                      |
| 2456-16542        | 00000/0000                   | 2-20024/0370                | 04/22/76         | 60             | 6358            | 5020N                        | 10105W                        | 46.1         | 140.2        | GG                                 |                     |                      | 36                      | 25                     |
| 2456-17010        | 00000/0000                   | 2-20024/0371                | 04/22/76         | 50             | 6358            | 2728N                        | 10858W                        | 55.4         | 109.2        | GGGG                               |                     |                      | 36                      | 41                     |
| 2457-01304        | 00000/0000                   | 2-20024/0406                | 04/23/76         | 100            | 6363            | 5020N                        | 12950E                        | 46.2         | 140.2        | GGGG                               |                     |                      | 126                     | 25                     |
| 2457-01310        | 00000/0000                   | 2-20024/0407                | 04/23/76         | 90             | 6363            | 4856N                        | 12912E                        | 47.1         | 138.5        | GGGG                               |                     |                      | 126                     | 26                     |
| 2457-01313        | 00000/0000                   | 2-20024/0408                | 04/23/76         | 80             | 6363            | 4731N                        | 12835E                        | 47.9         | 136.8        | GGGG                               |                     |                      | 126                     | 27                     |
| 2457-01315        | 00000/0000                   | 2-20024/0409                | 04/23/76         | 90             | 6363            | 4605N                        | 12800E                        | 48.7         | 135.1        | GGGG                               |                     |                      | 126                     | 28                     |
| 2457-01322        | 00000/0000                   | 2-20024/0410                | 04/23/76         | 50             | 6363            | 4440N                        | 12726E                        | 49.4         | 133.3        | GGGG                               |                     |                      | 126                     | 29                     |
| 2457-01324        | 00000/0000                   | 2-20024/0411                | 04/23/76         | 10             | 6363            | 4314N                        | 12653E                        | 50.2         | 131.5        | GGGG                               |                     |                      | 126                     | 30                     |
| 2457-01331        | 00000/0000                   | 2-20024/0412                | 04/23/76         | 10             | 6363            | 4149N                        | 12622E                        | 50.8         | 129.7        | GGGG                               |                     |                      | 126                     | 31                     |
| 2457-01333        | 00000/0000                   | 2-20024/0413                | 04/23/76         | 30             | 6363            | 4023N                        | 12552E                        | 51.5         | 127.8        | GGGG                               |                     |                      | 126                     | 32                     |
| 2457-03165        | 00000/0000                   | 2-20024/0414                | 04/23/76         | 0              | 6364            | 4022N                        | 12001E                        | 51.5         | 127.8        | GGGG                               |                     |                      | 144                     | 32                     |
| 2457-03171        | 00000/0000                   | 2-20024/0415                | 04/23/76         | 0              | 6364            | 3847N                        | 09932E                        | 52.1         | 125.8        | GGGG                               |                     |                      | 144                     | 33                     |
| 2457-03174        | 00000/0000                   | 2-20024/0416                | 04/23/76         | 0              | 6364            | 3731N                        | 09903E                        | 52.7         | 123.9        | GGGG                               |                     |                      | 144                     | 34                     |
| 2457-03180        | 00000/0000                   | 2-20024/0417                | 04/23/76         | 20             | 6364            | 3605N                        | 09836E                        | 53.3         | 121.9        | GGGG                               |                     |                      | 144                     | 35                     |
| 2457-03233        | 00000/0000                   | 2-20024/0418                | 04/23/76         | 30             | 6364            | 1722N                        | 09331E                        | 55.8         | 93.2         | GGGG                               |                     |                      | 144                     | 48                     |
| 2457-03235        | 00000/0000                   | 2-20024/0419                | 04/23/76         | 40             | 6364            | 1556N                        | 09310E                        | 55.6         | 91.0         | GGGG                               |                     |                      | 144                     | 49                     |
| 2457-03242        | 00000/0000                   | 2-20024/0420                | 04/23/76         | 40             | 6364            | 1430N                        | 09249E                        | 55.3         | 88.8         | GGGG                               |                     |                      | 144                     | 50                     |
| 2457-03244        | 00000/0000                   | 2-20024/0421                | 04/23/76         | 20             | 6364            | 1303N                        | 09229E                        | 55.0         | 86.7         | GGGG                               |                     |                      | 144                     | 51                     |
| 2457-03253        | 00000/0000                   | 2-20024/0422                | 04/23/76         | 50             | 6364            | 1011N                        | 09148E                        | 54.3         | 82.6         | FGGG                               |                     |                      | 144                     | 53                     |
| 2457-03260        | 00000/0000                   | 2-20024/0423                | 04/23/76         | 40             | 6364            | 0844N                        | 09128E                        | 53.9         | 80.6         | GGGG                               |                     |                      | 144                     | 54                     |
| 2457-03262        | 00000/0000                   | 2-20024/0424                | 04/23/76         | 30             | 6364            | 0717N                        | 09108E                        | 53.4         | 78.7         | GGGG                               |                     |                      | 144                     | 55                     |
| 2457-03265        | 00000/0000                   | 2-20024/0425                | 04/23/76         | 20             | 6364            | 0549N                        | 09047E                        | 52.8         | 76.9         | FGGG                               |                     |                      | 144                     | 56                     |
| 2457-03271        | 00000/0000                   | 2-20024/0426                | 04/23/76         | 30             | 6364            | 0423N                        | 09027E                        | 52.3         | 75.1         | FGGG                               |                     |                      | 144                     | 57                     |
| 2457-04562        | 00000/0000                   | 2-20024/0434                | 04/23/76         | 60             | 6365            | 5309N                        | 07934E                        | 44.5         | 143.4        | GGGG                               |                     |                      | 162                     | 23                     |
| 2457-04564        | 00000/0000                   | 2-20024/0435                | 04/23/76         | 70             | 6365            | 5145N                        | 07851E                        | 45.4         | 141.8        | GGGF                               |                     |                      | 162                     | 24                     |
| 2457-04571        | 00000/0000                   | 2-20024/0436                | 04/23/76         | 70             | 6365            | 5020N                        | 07811E                        | 46.3         | 140.2        | GGGF                               |                     |                      | 162                     | 25                     |
| 2457-04573        | 00000/0000                   | 2-20024/0437                | 04/23/76         | 20             | 6365            | 4845N                        | 07732E                        | 47.1         | 138.5        | GGGF                               |                     |                      | 162                     | 26                     |
| 2457-04591        | 00000/0000                   | 2-20024/0438                | 04/23/76         | 10             | 6365            | 4313N                        | 07514E                        | 50.2         | 131.5        | GGGF                               |                     |                      | 162                     | 30                     |
| 2457-04594        | 00000/0000                   | 2-20024/0439                | 04/23/76         | 0              | 6365            | 4148N                        | 07442E                        | 50.9         | 129.6        | GGGF                               |                     |                      | 162                     | 31                     |
| 2457-05000        | 00000/0000                   | 2-20024/0440                | 04/23/76         | 0              | 6365            | 4023N                        | 07412E                        | 51.6         | 127.8        | GGGF                               |                     |                      | 162                     | 32                     |
| 2457-05003        | 00000/0000                   | 2-20024/0441                | 04/23/76         | 10             | 6365            | 3857N                        | 07343E                        | 52.2         | 125.8        | GGGG                               |                     |                      | 162                     | 33                     |
| 2457-05005        | 00000/0000                   | 2-20024/0442                | 04/23/76         | 10             | 6365            | 3731N                        | 07314E                        | 52.7         | 123.8        | GGGG                               |                     |                      | 162                     | 34                     |
| 2457-05012        | 00000/0000                   | 2-20024/0443                | 04/23/76         | 10             | 6365            | 3605N                        | 07247E                        | 53.3         | 121.8        | GGGF                               |                     |                      | 162                     | 35                     |
| 2457-05014        | 00000/0000                   | 2-20024/0444                | 04/23/76         | 30             | 6365            | 3439N                        | 07221E                        | 53.8         | 119.8        | GGGG                               |                     |                      | 162                     | 36                     |
| 2457-05021        | 00000/0000                   | 2-20024/0445                | 04/23/76         | 60             | 6365            | 3313N                        | 07155E                        | 54.2         | 117.7        | GGGF                               |                     |                      | 162                     | 37                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0174

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------------|------------------------------|---------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2457-06401        | 00000/0000                   | 2-20025/0519                | 04/23/76         | 70             | 6352                | 5121N                        | 05250E        | 45.7         | 141.3        | GGGG              |             |                     |                      | 180                     | 24                     |
| 2457-06403        | 00000/0000                   | 2-20025/0520                | 04/23/76         | 20             | 6352                | 4946N                        | 05210E        | 46.5         | 139.7        | GGGG              |             |                     |                      | 180                     | 25                     |
| 2457-06430        | 00000/0000                   | 2-20025/0521                | 04/23/76         | 10             | 6352                | 4124N                        | 04445E        | 51.1         | 129.1        | GGGG              |             |                     |                      | 180                     | 31                     |
| 2457-06433        | 00000/0000                   | 2-20025/0522                | 04/23/76         | 10             | 6352                | 3948N                        | 04415E        | 51.8         | 127.2        | GGGG              |             |                     |                      | 180                     | 32                     |
| 2457-06435        | 00000/0000                   | 2-20025/0523                | 04/23/76         | 20             | 6352                | 3842N                        | 04746E        | 52.4         | 125.2        | GGGG              |             |                     |                      | 180                     | 33                     |
| 2457-06442        | 00000/0000                   | 2-20025/0524                | 04/23/76         | 30             | 6352                | 3706N                        | 04718E        | 52.9         | 123.3        | GGGG              |             |                     |                      | 180                     | 34                     |
| 2457-06444        | 00000/0000                   | 2-20025/0525                | 04/23/76         | 50             | 6352                | 3540N                        | 04650E        | 53.5         | 121.2        | GGGG              |             |                     |                      | 180                     | 35                     |
| 2457-06451        | 00000/0000                   | 2-20025/0526                | 04/23/76         | 60             | 6352                | 3414N                        | 04624E        | 53.9         | 119.2        | GGGG              |             |                     |                      | 180                     | 36                     |
| 2457-08232        | 00000/0000                   | 2-20024/0464                | 04/23/76         | 90             | 6367                | 5147N                        | 02717E        | 45.4         | 141.5        | GGGG              |             |                     |                      | 198                     | 24                     |
| 2457-08234        | 00000/0000                   | 2-20024/0465                | 04/23/76         | 50             | 6367                | 5022N                        | 02636E        | 46.3         | 140.2        | GGGG              |             |                     |                      | 198                     | 25                     |
| 2457-08241        | 00000/0000                   | 2-20024/0466                | 04/23/76         | 30             | 6367                | 4848N                        | 02557E        | 47.1         | 138.5        | GGGG              |             |                     |                      | 198                     | 26                     |
| 2457-08243        | 00000/0000                   | 2-20024/0467                | 04/23/76         | 0              | 6367                | 2018N                        | 01647E        | 56.0         | 97.6         | GGGG              |             |                     |                      | 198                     | 46                     |
| 2457-08343        | 00000/0000                   | 2-20024/0468                | 04/23/76         | 10             | 6367                | 1432N                        | 01522E        | 55.4         | 88.8         | GGGG              |             |                     |                      | 198                     | 50                     |
| 2457-08350        | 00000/0000                   | 2-20024/0469                | 04/23/76         | 30             | 6367                | 1306N                        | 01502E        | 55.1         | 86.6         | GGGG              |             |                     |                      | 198                     | 51                     |
| 2457-08352        | 00000/0000                   | 2-20024/0470                | 04/23/76         | 50             | 6367                | 1139N                        | 01441E        | 54.7         | 84.6         | GGGG              |             |                     |                      | 198                     | 52                     |
| 2457-11401        | 00000/0000                   | 2-20023/0536                | 04/23/76         | 80             | 6369                | 1012N                        | 01420E        | 54.3         | 82.5         | FFFF              |             |                     |                      | 198                     | 53                     |
| 2457-11410        | 00000/0000                   | 2-20023/0537                | 04/23/76         | 80             | 6369                | 8015N                        | 03251E        | 21.2         | 210.0        | FFGG              |             |                     |                      | 233                     | 1                      |
| 2457-11413        | 00000/0000                   | 2-20023/0538                | 04/23/76         | 70             | 6369                | 7847N                        | 01451E        | 23.5         | 195.7        | FFGG              |             |                     |                      | 233                     | 3                      |
| 2457-11415        | 00000/0000                   | 2-20023/0539                | 04/23/76         | 80             | 6369                | 7751N                        | 01313E        | 24.7         | 189.9        | GGFG              |             |                     |                      | 233                     | 4                      |
| 2457-13230        | 00000/0000                   | 2-20023/0540                | 04/23/76         | 50             | 6370                | 7650N                        | 00422E        | 25.8         | 184.9        | GGGG              |             |                     |                      | 233                     | 5                      |
| 2457-13235        | 00000/0000                   | 2-20023/0541                | 04/23/76         | 30             | 6370                | 8043N                        | 01524E        | 20.1         | 218.4        | FFGG              |             |                     |                      | 238                     | 247                    |
| 2457-13242        | 00000/0000                   | 2-20023/0542                | 04/23/76         | 20             | 6370                | 7954N                        | 00024W        | 22.4         | 202.3        | FFGG              |             |                     |                      | 251                     | 2                      |
| 2457-13244        | 00000/0000                   | 2-20023/0543                | 04/23/76         | 20             | 6370                | 7846N                        | 00700W        | 23.5         | 195.7        | GGFG              |             |                     |                      | 251                     | 3                      |
| 2457-15062        | 00000/0000                   | 2-20023/0544                | 04/23/76         | 30             | 6371                | 7751N                        | 01239W        | 24.7         | 189.9        | GGFG              |             |                     |                      | 251                     | 4                      |
| 2457-15100        | 00000/0000                   | 2-20023/0545                | 04/23/76         | 10             | 6371                | 8045N                        | 01032W        | 20.1         | 218.4        | GGFG              |             |                     |                      | 6                       | 247                    |
| 2457-15103        | 00000/0000                   | 2-20023/0546                | 04/23/76         | 0              | 6371                | 7209N                        | 05647W        | 30.3         | 170.3        | FFGF              |             |                     |                      | 19                      | 9                      |
| 2457-16503        | 00000/0000                   | 2-20023/0547                | 04/23/76         | 90             | 6372                | 7053N                        | 05907W        | 31.4         | 167.6        | FFGF              |             |                     |                      | 19                      | 10                     |
| 2457-17000        | 00000/0000                   | 2-20024/0372                | 04/23/76         | 60             | 6372                | 7936N                        | 05219W        | 22.4         | 202.3        | FFGF              |             |                     |                      | 36                      | 2                      |
| 2457-17064        | 00000/0000                   | 2-20024/0373                | 04/23/76         | 10             | 6372                | 5020N                        | 10232W        | 46.4         | 140.1        | GG                |             |                     |                      | 37                      | 25                     |
| 2458-01355        | 00000/0000                   | 2-20024/0375                | 04/24/76         | 100            | 6372                | 2728N                        | 11024W        | 55.6         | 108.7        | GGGG              |             |                     |                      | 37                      | 41                     |
| 2458-01362        | 00000/0000                   | 2-20024/0376                | 04/24/76         | 90             | 6372                | 5146N                        | 12905E        | 45.7         | 141.7        | GGGG              |             |                     |                      | 127                     | 24                     |
| 2458-01364        | 00000/0000                   | 2-20024/0377                | 04/24/76         | 90             | 6372                | 5021N                        | 12824E        | 46.5         | 140.1        | GGGG              |             |                     |                      | 127                     | 25                     |
| 2458-01371        | 00000/0000                   | 2-20024/0378                | 04/24/76         | 80             | 6372                | 4856N                        | 12745E        | 47.4         | 138.4        | GGGG              |             |                     |                      | 127                     | 26                     |
| 2458-01373        | 00000/0000                   | 2-20024/0379                | 04/24/76         | 10             | 6372                | 4731N                        | 12708E        | 48.2         | 136.7        | GGGG              |             |                     |                      | 127                     | 27                     |
| 2458-01380        | 00000/0000                   | 2-20024/0380                | 04/24/76         | 10             | 6372                | 4606N                        | 12632E        | 49.0         | 134.9        | GGGG              |             |                     |                      | 127                     | 28                     |
|                   |                              |                             |                  |                |                     | 4441N                        | 12558E        | 49.7         | 133.1        | GGGG              |             |                     |                      | 127                     | 29                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|---------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2458-01382        | 00000/0000 2-20024/0381                        | 04/24/76         | 40             | 6377          | 4315N                              | 12525E                              | 50.4         | 131.3        |                                    |                     |                      |                         |                        |
| 2458-01385        | 00000/0000 2-20024/0382                        | 04/24/76         | 30             | 6377          | 4150N                              | 12454E                              | 51.1         | 129.5        | FGGG                               |                     |                      | 127                     | 30                     |
| 2458-01414        | 00000/0000 2-20024/0383                        | 04/24/76         | 10             | 6377          | 3148N                              | 12142E                              | 54.8         | 115.2        | GGGG                               |                     |                      | 127                     | 31                     |
| 2458-01421        | 00000/0000 2-20024/0384                        | 04/24/76         | 10             | 6377          | 3022N                              | 12118E                              | 55.2         | 113.0        | FFFF                               |                     |                      | 127                     | 38                     |
| 2458-01423        | 00000/0000 2-20024/0385                        | 04/24/76         | 20             | 6377          | 2857N                              | 12053E                              | 55.5         | 110.8        | FFFF                               |                     |                      | 127                     | 39                     |
| 2458-01430        | 00000/0000 2-20024/0386                        | 04/24/76         | 40             | 6377          | 2730N                              | 12029E                              | 55.7         | 108.6        | GGGG                               |                     |                      | 127                     | 40                     |
| 2458-03191        | 00000/0000 2-20024/0387                        | 04/24/76         | 70             | 6378          | 5145N                              | 10316E                              | 45.7         | 141.7        | FGGG                               |                     |                      | 127                     | 41                     |
| 2458-03223        | 00000/0000 2-20024/0388                        | 04/24/76         | 70             | 6378          | 4024N                              | 09A37E                              | 51.8         | 127.5        | GGGG                               |                     |                      | 145                     | 24                     |
| 2458-03330        | 00000/0000 2-20024/0389                        | 04/24/76         | 30             | 6378          | 0424N                              | 08901E                              | 52.3         | 74.6         | GGGG                               |                     |                      | 145                     | 32                     |
| 2458-05002        | 00000/0000 2-20024/0393                        | 04/24/76         | 80             | 6379          | 5846N                              | 08128E                              | 41.0         | 149.9        | FGGG                               |                     |                      | 145                     | 57                     |
| 2458-05005        | 00000/0000 2-20024/0394                        | 04/24/76         | 80             | 6379          | 5723N                              | 08033E                              | 42.0         | 148.3        | GGGG                               |                     |                      | 163                     | 19                     |
| 2458-05011        | 00000/0000 2-20024/0395                        | 04/24/76         | 70             | 6379          | 5548N                              | 07941E                              | 43.0         | 146.6        | GGGG                               |                     |                      | 163                     | 20                     |
| 2458-05014        | 00000/0000 2-20024/0396                        | 04/24/76         | 50             | 6379          | 5434N                              | 07A53E                              | 43.9         | 145.0        | GGGG                               |                     |                      | 163                     | 21                     |
| 2458-05020        | 00000/0000 2-20024/0397                        | 04/24/76         | 60             | 6379          | 5310N                              | 07808E                              | 44.8         | 143.4        | GGGG                               |                     |                      | 163                     | 22                     |
| 2458-05023        | 00000/0000 2-20024/0398                        | 04/24/76         | 70             | 6379          | 5146N                              | 07725E                              | 45.7         | 141.7        | GGGG                               |                     |                      | 163                     | 23                     |
| 2458-05025        | 00000/0000 2-20024/0399                        | 04/24/76         | 90             | 6379          | 5022N                              | 07644E                              | 46.6         | 140.0        | GGGG                               |                     |                      | 163                     | 24                     |
| 2458-05032        | 00000/0000 2-20024/0400                        | 04/24/76         | 100            | 6379          | 4846N                              | 07606E                              | 47.4         | 138.3        | GGGG                               |                     |                      | 163                     | 25                     |
| 2458-05050        | 00000/0000 2-20024/0401                        | 04/24/76         | 90             | 6379          | 4315N                              | 07348E                              | 50.5         | 131.3        | GGGG                               |                     |                      | 163                     | 26                     |
| 2458-05052        | 00000/0000 2-20024/0402                        | 04/24/76         | 90             | 6379          | 4150N                              | 07317E                              | 51.2         | 129.4        | GGGG                               |                     |                      | 163                     | 30                     |
| 2458-05055        | 00000/0000 2-20024/0403                        | 04/24/76         | 90             | 6379          | 4024N                              | 07247E                              | 51.8         | 127.5        | GGGG                               |                     |                      | 163                     | 31                     |
| 2458-05073        | 00000/0000 2-20024/0404                        | 04/24/76         | 90             | 6379          | 3440N                              | 07055E                              | 54.0         | 119.4        | GGGG                               |                     |                      | 163                     | 32                     |
| 2458-05075        | 00000/0000 2-20024/0405                        | 04/24/76         | 80             | 6379          | 3314N                              | 07029E                              | 54.5         | 117.3        | GGGG                               |                     |                      | 163                     | 36                     |
| 2458-06425        | 00000/0000 2-20024/0839                        | 04/24/76         | 10             | 6380          | 6132N                              | 05743E                              | 39.1         | 153.3        | GGGG                               |                     |                      | 163                     | 37                     |
| 2458-06431        | 00000/0000 2-20024/0840                        | 04/24/76         | 10             | 6380          | 6009N                              | 05640E                              | 40.1         | 151.6        | G                                  |                     |                      | 181                     | 17                     |
| 2458-06434        | 00000/0000 2-20024/08607                       | 04/24/76         | 10             | 6380          | 5846N                              | 05542E                              | 41.1         | 149.9        | GGGG                               |                     |                      | 181                     | 18                     |
| 2458-06440        | 00000/0000 2-20024/08608                       | 04/24/76         | 10             | 6380          | 5722N                              | 05447E                              | 42.0         | 148.3        | GGGG                               |                     |                      | 181                     | 19                     |
| 2458-06443        | 00000/0000 2-20024/08609                       | 04/24/76         | 30             | 6380          | 5558N                              | 05356E                              | 43.0         | 146.6        | GGGG                               |                     |                      | 181                     | 20                     |
| 2458-06445        | 00000/0000 2-20024/08610                       | 04/24/76         | 50             | 6380          | 5434N                              | 05308E                              | 43.9         | 145.0        | GGGG                               |                     |                      | 181                     | 21                     |
| 2458-06452        | 00000/0000 2-20024/08611                       | 04/24/76         | 30             | 6380          | 5310N                              | 05222E                              | 44.8         | 143.3        | GGGG                               |                     |                      | 181                     | 22                     |
| 2458-06454        | 00000/0000 2-20024/08612                       | 04/24/76         | 10             | 6380          | 5145N                              | 05138E                              | 45.7         | 141.7        | FFFF                               |                     |                      | 181                     | 23                     |
| 2458-06461        | 00000/0000 2-20024/08613                       | 04/24/76         | 0              | 6380          | 5021N                              | 05057E                              | 46.6         | 140.0        | GGGG                               |                     |                      | 181                     | 24                     |
| 2458-06463        | 00000/0000 2-20024/08614                       | 04/24/76         | 0              | 6380          | 4846N                              | 05019E                              | 47.4         | 138.3        | GGGG                               |                     |                      | 181                     | 25                     |
| 2458-06470        | 00000/0000 2-20024/08615                       | 04/24/76         | 0              | 6380          | 4731N                              | 04942E                              | 48.3         | 136.6        | GGGG                               |                     |                      | 181                     | 26                     |
| 2458-06472        | 00000/0000 2-20024/08617                       | 04/24/76         | 10             | 6380          | 4605N                              | 04907E                              | 49.0         | 134.9        | GGGG                               |                     |                      | 181                     | 27                     |
| 2458-06475        | 00000/0000 2-20024/08618                       | 04/24/76         | 30             | 6380          | 4440N                              | 04833E                              | 49.8         | 133.1        | GGGG                               |                     |                      | 181                     | 28                     |
| 2458-06481        | 00000/0000 2-20024/08619                       | 04/24/76         | 50             | 6380          | 4315N                              | 04800E                              | 50.5         | 131.2        | FGGG                               |                     |                      | 181                     | 29                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>POINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>REV MSS | 123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|---------------------------------------|----------------------------------------|--------------|--------------|-----------------------|-----------|---------------------|----------------------|-------------------------|------------------------|
| 2458-06484        | 00000/0000                   | 2-20024/0550                | 04/24/76         | 90             | 6380                   | 4149N                                 | 04729E                                 | 51.2         | 129.4        | GGGG                  |           |                     |                      | 181                     | 31                     |
| 2458-06490        | 00000/0000                   | 2-20024/0551                | 04/24/76         | 90             | 6380                   | 4073N                                 | 04659E                                 | 51.8         | 127.5        | GGGG                  |           |                     |                      | 181                     | 32                     |
| 2458-06502        | 00000/0000                   | 2-20024/0552                | 04/24/76         | 30             | 6380                   | 3606N                                 | 04534E                                 | 53.6         | 121.5        | GGGG                  |           |                     |                      | 181                     | 35                     |
| 2458-06504        | 00000/0000                   | 2-20024/0553                | 04/24/76         | 10             | 6380                   | 3440N                                 | 04507E                                 | 54.0         | 119.4        | GGGG                  |           |                     |                      | 181                     | 36                     |
| 2458-06511        | 00000/0000                   | 2-20024/0287                | 04/24/76         | 0              | 6380                   | 3314N                                 | 04441E                                 | 54.5         | 117.3        | GGGG                  |           |                     |                      | 181                     | 37                     |
| 2458-06513        | 00000/0000                   | 2-20024/0288                | 04/24/76         | 0              | 6380                   | 3148N                                 | 04416E                                 | 54.9         | 115.1        | GGGG                  |           |                     |                      | 181                     | 38                     |
| 2458-08283        | 00000/0000                   | 2-20024/0289                | 04/24/76         | 10             | 6381                   | 5309N                                 | 02631E                                 | 44.9         | 143.3        | GGGG                  |           |                     |                      | 199                     | 23                     |
| 2458-08290        | 00000/0000                   | 2-20024/0290                | 04/24/76         | 10             | 6381                   | 5144N                                 | 02548E                                 | 45.8         | 141.7        | GGGG                  |           |                     |                      | 199                     | 24                     |
| 2458-08292        | 00000/0000                   | 2-20024/0291                | 04/24/76         | 10             | 6381                   | 5020N                                 | 02507E                                 | 46.6         | 140.0        | GGGG                  |           |                     |                      | 199                     | 25                     |
| 2458-08295        | 00000/0000                   | 2-20024/0292                | 04/24/76         | 10             | 6381                   | 4855N                                 | 02429E                                 | 47.5         | 138.3        | GGGG                  |           |                     |                      | 199                     | 26                     |
| 2458-08301        | 00000/0000                   | 2-20024/0293                | 04/24/76         | 40             | 6381                   | 4730N                                 | 02352E                                 | 48.3         | 136.6        | GGGG                  |           |                     |                      | 199                     | 27                     |
| 2458-08365        | 00000/0000                   | 2-20024/0294                | 04/24/76         | 0              | 6381                   | 2437N                                 | 01629E                                 | 56.1         | 103.9        | FGGG                  |           |                     |                      | 199                     | 43                     |
| 2458-08372        | 00000/0000                   | 2-20024/0295                | 04/24/76         | 0              | 6381                   | 2311N                                 | 01606E                                 | 56.2         | 101.6        | GGGG                  |           |                     |                      | 199                     | 44                     |
| 2458-08374        | 00000/0000                   | 2-20024/0296                | 04/24/76         | 0              | 6381                   | 2144N                                 | 01544E                                 | 56.2         | 99.3         | GGGG                  |           |                     |                      | 199                     | 45                     |
| 2458-08381        | 00000/0000                   | 2-20024/0297                | 04/24/76         | 0              | 6381                   | 2017N                                 | 01522E                                 | 56.1         | 97.0         | GGGG                  |           |                     |                      | 199                     | 46                     |
| 2458-08383        | 00000/0000                   | 2-20024/0298                | 04/24/76         | 0              | 6381                   | 1804N                                 | 01500E                                 | 56.0         | 94.7         | GGGG                  |           |                     |                      | 199                     | 47                     |
| 2458-08390        | 00000/0000                   | 2-20024/0299                | 04/24/76         | 0              | 6381                   | 1723N                                 | 01438E                                 | 55.9         | 92.5         | FGFG                  |           |                     |                      | 199                     | 48                     |
| 2458-08392        | 00000/0000                   | 2-20024/0300                | 04/24/76         | 0              | 6381                   | 1556N                                 | 01417E                                 | 55.7         | 90.3         | GGGG                  |           |                     |                      | 199                     | 49                     |
| 2458-08395        | 00000/0000                   | 2-20024/0301                | 04/24/76         | 0              | 6381                   | 1430N                                 | 01355E                                 | 55.4         | 88.1         | GGGG                  |           |                     |                      | 199                     | 50                     |
| 2458-08401        | 00000/0000                   | 2-20024/0302                | 04/24/76         | 10             | 6381                   | 1303N                                 | 01335E                                 | 55.1         | 86.0         | GGGG                  |           |                     |                      | 199                     | 51                     |
| 2458-08404        | 00000/0000                   | 2-20024/0303                | 04/24/76         | 20             | 6381                   | 1126N                                 | 01314E                                 | 54.8         | 83.9         | GGFG                  |           |                     |                      | 199                     | 52                     |
| 2458-08410        | 00000/0000                   | 2-20024/0472                | 04/24/76         | 10             | 6381                   | 1010N                                 | 01253E                                 | 54.4         | 81.9         | GGGG                  |           |                     |                      | 199                     | 53                     |
| 2458-08413        | 00000/0000                   | 2-20024/0473                | 04/24/76         | 10             | 6381                   | 0843N                                 | 01233E                                 | 53.9         | 80.0         | GGGG                  |           |                     |                      | 199                     | 54                     |
| 2458-08415        | 00000/0000                   | 2-20024/0474                | 04/24/76         | 10             | 6381                   | 0716N                                 | 01213E                                 | 53.4         | 78.1         | GGGG                  |           |                     |                      | 199                     | 55                     |
| 2458-11455        | 00000/0000                   | 2-20024/0475                | 04/24/76         | 10             | 6383                   | 8016N                                 | 03124E                                 | 21.5         | 210.2        | GGGG                  |           |                     |                      | 221                     | 248                    |
| 2458-11462        | 00000/0000                   | 2-20024/0476                | 04/24/76         | 20             | 6383                   | 7937N                                 | 02355E                                 | 22.7         | 202.6        | FGGG                  |           |                     |                      | 234                     | 2                      |
| 2458-11464        | 00000/0000                   | 2-20024/0477                | 04/24/76         | 10             | 6383                   | 7848N                                 | 01722E                                 | 23.8         | 195.8        | FGGG                  |           |                     |                      | 234                     | 3                      |
| 2458-11471        | 00000/0000                   | 2-20024/0478                | 04/24/76         | 30             | 6383                   | 7753N                                 | 01144E                                 | 25.0         | 190.0        | GGGG                  |           |                     |                      | 234                     | 4                      |
| 2458-11473        | 00000/0000                   | 2-20024/0479                | 04/24/76         | 70             | 6383                   | 7651N                                 | 00655E                                 | 26.1         | 185.0        | GGGG                  |           |                     |                      | 234                     | 5                      |
| 2458-13285        | 00000/0000                   | 2-20024/0480                | 04/24/76         | 10             | 6384                   | 8045N                                 | 01403E                                 | 20.4         | 218.6        | GGGG                  |           |                     |                      | 239                     | 247                    |
| 2458-13291        | 00000/0000                   | 2-20024/0481                | 04/24/76         | 10             | 6384                   | 8016N                                 | 00539E                                 | 21.5         | 210.1        | GGGG                  |           |                     |                      | 239                     | 248                    |
| 2458-13294        | 00000/0000                   | 2-20024/0482                | 04/24/76         | 10             | 6384                   | 7936N                                 | 00149W                                 | 22.7         | 202.5        | GGGG                  |           |                     |                      | 1                       | 2                      |
| 2458-13300        | 00000/0000                   | 2-20024/0483                | 04/24/76         | 10             | 6384                   | 7848N                                 | 00022W                                 | 23.9         | 195.8        | GGGG                  |           |                     |                      | 1                       | 3                      |
| 2458-13303        | 00000/0000                   | 2-20024/0484                | 04/24/76         | 0              | 6384                   | 7753N                                 | 01359W                                 | 25.0         | 190.0        | GGGG                  |           |                     |                      | 1                       | 4                      |
| 2458-13541        | 00000/0000                   | 2-20024/0485                | 04/24/76         | 50             | 6384                   | 0121S                                 | 06712W                                 | 49.5         | 68.0         | GGGG                  |           |                     |                      | 2                       | 61                     |
| 2458-13544        | 00000/0000                   | 2-20024/0486                | 04/24/76         | 90             | 6384                   | 0248S                                 | 06732W                                 | 48.8         | 66.5         | FGGF                  |           |                     |                      | 2                       | 62                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=IRW GAIN, H=HIGH GAIN



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LANNSAT-2  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2458-13550        | 00000/0000                   | 2-20024/0487                | 04/24/76         | 90             | 6384            | 0415S 06752W                            | 48.0         | 65.2         | GGGG                               |                     |                      | 2                       | 63                     |
| 2458-13553        | 00000/0000                   | 2-20024/0488                | 04/24/76         | 90             | 6384            | 0542S 06812W                            | 47.1         | 63.9         | GGGG                               |                     |                      | 2                       | 64                     |
| 2458-15161        | 00000/0000                   | 2-20024/0489                | 04/24/76         | 0              | 6385            | 7054N 06030W                            | 31.8         | 167.6        | GGGG                               |                     |                      | 20                      | 10                     |
| 2458-17054        | 00000/0000                   | 2-20024/0374                | 04/24/76         | 40             | 6386            | 5023N 10357W                            | 46.7         | 140.0        | GGGG                               |                     |                      | 38                      | 25                     |
| 2458-22085        | 00000/0000                   | 2-20024/0507                | 04/24/76         | 100            | 6389            | 7209N 16127W                            | 30.8         | 170.3        | GGGG                               |                     |                      | 92                      | 9                      |
| 2459-01434        | 00000/0000                   | 2-20024/0529                | 04/25/76         | 20             | 6391            | 4439N 12433E                            | 50.0         | 132.9        | GGGG                               |                     |                      | 128                     | 29                     |
| 2459-01441        | 00000/0000                   | 2-20024/0530                | 04/25/76         | 50             | 6391            | 4314N 12400E                            | 50.7         | 131.0        | GGGG                               |                     |                      | 128                     | 30                     |
| 2459-01443        | 00000/0000                   | 2-20024/0531                | 04/25/76         | 20             | 6391            | 4148N 12329E                            | 51.4         | 129.2        | GGGG                               |                     |                      | 128                     | 31                     |
| 2459-01450        | 00000/0000                   | 2-20024/0532                | 04/25/76         | 70             | 6391            | 4023N 12259E                            | 52.1         | 127.2        | GGGG                               |                     |                      | 128                     | 32                     |
| 2459-01452        | 00000/0000                   | 2-20024/0533                | 04/25/76         | 50             | 6391            | 3847N 12230E                            | 52.7         | 125.3        | GGGG                               |                     |                      | 128                     | 33                     |
| 2459-01464        | 00000/0000                   | 2-20024/0534                | 04/25/76         | 90             | 6391            | 3440N 12108E                            | 54.2         | 119.1        | GGGG                               |                     |                      | 128                     | 36                     |
| 2459-01470        | 00000/0000                   | 2-20024/0535                | 04/25/76         | 70             | 6391            | 3314N 12042E                            | 54.7         | 116.9        | GGGG                               |                     |                      | 128                     | 37                     |
| 2459-01473        | 00000/0000                   | 2-20024/0536                | 04/25/76         | 10             | 6391            | 3148N 12017E                            | 55.1         | 114.8        | GGGG                               |                     |                      | 128                     | 38                     |
| 2459-01475        | 00000/0000                   | 2-20024/0537                | 04/25/76         | 10             | 6391            | 3021N 11952E                            | 55.4         | 112.6        | GGGG                               |                     |                      | 128                     | 39                     |
| 2459-01482        | 00000/0000                   | 2-20024/0538                | 04/25/76         | 10             | 6391            | 2855N 11928E                            | 55.7         | 110.3        | GGGG                               |                     |                      | 128                     | 40                     |
| 2459-01484        | 00000/0000                   | 2-20024/0539                | 04/25/76         | 20             | 6391            | 2728N 11904E                            | 55.9         | 108.1        | GGGG                               |                     |                      | 128                     | 41                     |
| 2459-01491        | 00000/0000                   | 2-20024/0540                | 04/25/76         | 10             | 6391            | 2602N 11841E                            | 56.1         | 105.8        | GGGG                               |                     |                      | 128                     | 42                     |
| 2459-01493        | 00000/0000                   | 2-20024/0541                | 04/25/76         | 10             | 6391            | 2436N 11818E                            | 56.2         | 103.5        | GGGG                               |                     |                      | 128                     | 43                     |
| 2459-03245        | 00000/0000                   | 2-20024/0542                | 04/25/76         | 50             | 6392            | 5147N 10152E                            | 46.0         | 141.6        | GGGG                               |                     |                      | 146                     | 24                     |
| 2459-03281        | 00000/0000                   | 2-20024/0543                | 04/25/76         | 10             | 6392            | 4026N 09711E                            | 52.1         | 127.3        | GGGG                               |                     |                      | 146                     | 32                     |
| 2459-03284        | 00000/0000                   | 2-20024/0544                | 04/25/76         | 0              | 6392            | 3900N 09642E                            | 52.7         | 125.3        | GGGG                               |                     |                      | 146                     | 33                     |
| 2459-03290        | 00000/0000                   | 2-20024/0545                | 04/25/76         | 0              | 6392            | 3734N 09414E                            | 53.2         | 123.3        | GGGG                               |                     |                      | 146                     | 34                     |
| 2459-03293        | 00000/0000                   | 2-20024/0546                | 04/25/76         | 0              | 6392            | 3609N 09547E                            | 53.8         | 121.2        | GGGG                               |                     |                      | 146                     | 35                     |
| 2459-05060        | 00000/0000                   | 2-20024/0554                | 04/25/76         | 60             | 6393            | 5847N 08004E                            | 41.4         | 149.9        | GGGG                               |                     |                      | 164                     | 19                     |
| 2459-05063        | 00000/0000                   | 2-20024/0555                | 04/25/76         | 60             | 6393            | 5724N 07909E                            | 42.3         | 148.2        | GGGG                               |                     |                      | 164                     | 20                     |
| 2459-05065        | 00000/0000                   | 2-20024/0556                | 04/25/76         | 40             | 6393            | 5600N 07818E                            | 43.3         | 146.6        | GGGG                               |                     |                      | 164                     | 21                     |
| 2459-05072        | 00000/0000                   | 2-20024/0557                | 04/25/76         | 50             | 6393            | 5436N 07730E                            | 44.2         | 144.9        | GGGG                               |                     |                      | 164                     | 22                     |
| 2459-05074        | 00000/0000                   | 2-20024/0558                | 04/25/76         | 50             | 6393            | 5312N 07644E                            | 45.1         | 143.3        | GGGG                               |                     |                      | 164                     | 23                     |
| 2459-05081        | 00000/0000                   | 2-20024/0559                | 04/25/76         | 30             | 6393            | 5147N 07601E                            | 46.0         | 141.6        | GGGG                               |                     |                      | 164                     | 24                     |
| 2459-05083        | 00000/0000                   | 2-20024/0560                | 04/25/76         | 50             | 6393            | 5022N 07520E                            | 46.9         | 139.9        | GGGG                               |                     |                      | 164                     | 25                     |
| 2459-05090        | 00000/0000                   | 2-20024/0561                | 04/25/76         | 40             | 6393            | 4857N 07441E                            | 47.7         | 138.2        | GGGG                               |                     |                      | 164                     | 26                     |
| 2459-05104        | 00000/0000                   | 2-20024/0562                | 04/25/76         | 10             | 6393            | 4317N 07224E                            | 50.8         | 131.1        | GGGG                               |                     |                      | 164                     | 30                     |
| 2459-05110        | 00000/0000                   | 2-20024/0563                | 04/25/76         | 10             | 6393            | 4151N 07153E                            | 51.4         | 129.2        | GGGG                               |                     |                      | 164                     | 31                     |
| 2459-05113        | 00000/0000                   | 2-20024/0564                | 04/25/76         | 10             | 6393            | 4025N 07122E                            | 52.1         | 127.3        | GGGG                               |                     |                      | 164                     | 32                     |
| 2459-05115        | 00000/0000                   | 2-20024/0565                | 04/25/76         | 0              | 6393            | 3900N 07052E                            | 52.7         | 125.3        | GGGG                               |                     |                      | 164                     | 33                     |
| 2459-06483        | 00000/0000                   | 2-20024/0616                | 04/25/76         | 70             | 6394            | 6133N 05618E                            | 39.4         | 153.3        | GGGG                               |                     |                      | 182                     | 17                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|---------------|------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2459-06485        | 00000/0000 2-20024/0508                        | 04/25/76         | 50             | 6394          | 6010N                              | 05514E       | 40.4 151.5   | GGGG              |                     |                      | 182                     | 18                     |
| 2459-06492        | 00000/0000 2-20024/0509                        | 04/25/76         | 50             | 6394          | 5847N                              | 05415E       | 41.4 149.9   | GGGG              |                     |                      | 182                     | 19                     |
| 2459-06501        | 00000/0000 2-20024/0510                        | 04/25/76         | 50             | 6394          | 5600N                              | 05230E       | 43.3 146.6   | GGGG              |                     |                      | 182                     | 21                     |
| 2459-06503        | 00000/0000 2-20024/0511                        | 04/25/76         | 40             | 6394          | 5436N                              | 05142E       | 44.2 144.9   | GGGG              |                     |                      | 182                     | 22                     |
| 2459-06510        | 00000/0000 2-20024/0512                        | 04/25/76         | 10             | 6394          | 5312N                              | 05057E       | 45.1 143.2   | GFGG              |                     |                      | 182                     | 23                     |
| 2459-06512        | 00000/0000 2-20024/0513                        | 04/25/76         | 10             | 6394          | 5147N                              | 05014E       | 46.0 141.6   | GFGG              |                     |                      | 182                     | 24                     |
| 2459-06515        | 00000/0000 2-20024/0514                        | 04/25/76         | 10             | 6394          | 5022N                              | 04934E       | 46.9 139.9   | GGGG              |                     |                      | 182                     | 25                     |
| 2459-06521        | 00000/0000 2-20024/0515                        | 04/25/76         | 0              | 6394          | 4858N                              | 04855E       | 47.7 138.2   | GGGG              |                     |                      | 182                     | 26                     |
| 2459-06524        | 00000/0000 2-20024/0516                        | 04/25/76         | 10             | 6394          | 4733N                              | 04817E       | 48.5 136.5   | GFGG              |                     |                      | 182                     | 27                     |
| 2459-06530        | 00000/0000 2-20024/0517                        | 04/25/76         | 30             | 6394          | 4607N                              | 04741E       | 49.3 134.7   | GGGG              |                     |                      | 182                     | 28                     |
| 2459-06533        | 00000/0000 2-20024/0518                        | 04/25/76         | 90             | 6394          | 4442N                              | 04708E       | 50.1 132.9   | GGGG              |                     |                      | 182                     | 29                     |
| 2459-06535        | 00000/0000 2-20024/0519                        | 04/25/76         | 90             | 6394          | 4316N                              | 04635E       | 50.8 131.0   | GGGG              |                     |                      | 182                     | 30                     |
| 2459-06542        | 00000/0000 2-20024/0520                        | 04/25/76         | 40             | 6394          | 4151N                              | 04604E       | 51.5 129.2   | GGGG              |                     |                      | 182                     | 31                     |
| 2459-06544        | 00000/0000 2-20024/0521                        | 04/25/76         | 40             | 6394          | 4025N                              | 04534E       | 52.1 127.2   | GGGG              |                     |                      | 182                     | 32                     |
| 2459-06551        | 00000/0000 2-20024/0522                        | 04/25/76         | 40             | 6394          | 3859N                              | 04505E       | 52.7 125.3   | GGGG              |                     |                      | 182                     | 33                     |
| 2459-06565        | 00000/0000 2-20024/0523                        | 04/25/76         | 0              | 6394          | 3316N                              | 04316E       | 54.7 116.9   | GFGG              |                     |                      | 182                     | 37                     |
| 2459-08312        | 00000/0000 2-20024/0617                        | 04/25/76         | 80             | 6395          | 6255N                              | 03137E       | 38.4 155.0   | GGGG              |                     |                      | 200                     | 16                     |
| 2459-08315        | 00000/0000 2-20024/0618                        | 04/25/76         | 20             | 6395          | 6132N                              | 03028E       | 39.4 153.3   | GGGG              |                     |                      | 200                     | 17                     |
| 2459-08321        | 00000/0000 2-20024/0666                        | 04/25/76         | 60             | 6395          | 6010N                              | 02925E       | 40.4 151.5   | GGGG              |                     |                      | 200                     | 18                     |
| 2459-08324        | 00000/0000 2-20024/0667                        | 04/25/76         | 90             | 6395          | 5847N                              | 02826E       | 41.4 149.9   | GGGG              |                     |                      | 200                     | 19                     |
| 2459-08330        | 00000/0000 2-20024/0668                        | 04/25/76         | 90             | 6395          | 5723N                              | 02730E       | 42.4 148.2   | GGGG              |                     |                      | 200                     | 20                     |
| 2459-08333        | 00000/0000 2-20024/0669                        | 04/25/76         | 90             | 6395          | 5559N                              | 02639E       | 43.3 146.5   | FGGG              |                     |                      | 200                     | 21                     |
| 2459-08335        | 00000/0000 2-20024/0670                        | 04/25/76         | 90             | 6395          | 5435N                              | 02551E       | 44.3 144.9   | GFGG              |                     |                      | 200                     | 22                     |
| 2459-08342        | 00000/0000 2-20024/0671                        | 04/25/76         | 60             | 6395          | 5310N                              | 02506E       | 45.2 143.2   | GGGG              |                     |                      | 200                     | 23                     |
| 2459-08344        | 00000/0000 2-20024/0672                        | 04/25/76         | 60             | 6395          | 5146N                              | 02423E       | 46.1 141.6   | GFGG              |                     |                      | 200                     | 24                     |
| 2459-08351        | 00000/0000 2-20024/0673                        | 04/25/76         | 90             | 6395          | 5021N                              | 02342E       | 46.9 139.9   | GGGG              |                     |                      | 200                     | 25                     |
| 2459-08353        | 00000/0000 2-20024/0674                        | 04/25/76         | 90             | 6395          | 4856N                              | 02304E       | 47.8 138.2   | GGGG              |                     |                      | 200                     | 26                     |
| 2459-08424        | 00000/0000 2-20024/0675                        | 04/25/76         | 0              | 6395          | 2437N                              | 01501E       | 56.2 103.4   | GGGG              |                     |                      | 200                     | 43                     |
| 2459-08430        | 00000/0000 2-20024/0676                        | 04/25/76         | 0              | 6395          | 2311N                              | 01438E       | 56.3 101.1   | GGGG              |                     |                      | 200                     | 44                     |
| 2459-08433        | 00000/0000 2-20024/0677                        | 04/25/76         | 0              | 6395          | 2144N                              | 01416E       | 56.3 98.8    | GGGG              |                     |                      | 200                     | 45                     |
| 2459-08435        | 00000/0000 2-20024/0678                        | 04/25/76         | 0              | 6395          | 2018N                              | 01354E       | 56.3 96.5    | FGGG              |                     |                      | 200                     | 46                     |
| 2459-08442        | 00000/0000 2-20024/0679                        | 04/25/76         | 20             | 6395          | 1852N                              | 01333E       | 56.2 94.2    | GGGG              |                     |                      | 200                     | 47                     |
| 2459-08444        | 00000/0000 2-20024/0680                        | 04/25/76         | 40             | 6395          | 1725N                              | 01312E       | 56.0 92.0    | GGGG              |                     |                      | 200                     | 48                     |
| 2459-08451        | 00000/0000 2-20024/0681                        | 04/25/76         | 20             | 6395          | 1559N                              | 01252E       | 55.8 89.8    | GGGG              |                     |                      | 200                     | 49                     |
| 2459-08453        | 00000/0000 2-20024/0682                        | 04/25/76         | 10             | 6395          | 1432N                              | 01231E       | 55.5 87.6    | GGGG              |                     |                      | 200                     | 50                     |
| 2459-08460        | 00000/0000 2-20024/0683                        | 04/25/76         | 20             | 6395          | 1306N                              | 01210E       | 55.2 85.5    | GGGG              |                     |                      | 200                     | 51                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBY | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2459-08462        | 00000/0000                   | 2-20024/0269                | 04/25/76         | 40             | 6395            | 1139N                        | 01149E        | 54.8         | 83.4         | FFGG                               |                     |                      | 200                     | 52                     |
| 2459-08465        | 00000/0000                   | 2-20024/0270                | 04/25/76         | 70             | 6395            | 1011N                        | 01128E        | 54.4         | 81.4         | GFGG                               |                     |                      | 200                     | 53                     |
| 2459-08471        | 00000/0000                   | 2-20024/0271                | 04/25/76         | 70             | 6395            | 0844N                        | 01108E        | 53.9         | 79.4         | GFGG                               |                     |                      | 200                     | 54                     |
| 2459-08474        | 00000/0000                   | 2-20024/0272                | 04/25/76         | 60             | 6395            | 0718N                        | 01047E        | 53.4         | 77.5         | GGGG                               |                     |                      | 200                     | 55                     |
| 2459-10100        | 00000/0000                   | 2-20024/0273                | 04/25/76         | 40             | 6396            | 7650N                        | 03118E        | 26.4         | 185.0        | GGGG                               |                     |                      | 217                     | 5                      |
| 2459-10103        | 00000/0000                   | 2-20024/0274                | 04/25/76         | 70             | 6396            | 7544N                        | 02712E        | 27.6         | 180.6        | GGGG                               |                     |                      | 217                     | 6                      |
| 2459-11514        | 00000/0000                   | 2-20024/0275                | 04/25/76         | 10             | 6397            | 8015N                        | 02950E        | 21.9         | 210.1        | GGGG                               |                     |                      | 235                     | 1                      |
| 2459-11520        | 00000/0000                   | 2-20024/0276                | 04/25/76         | 40             | 6397            | 7915N                        | 02221E        | 23.0         | 202.5        | GGGG                               |                     |                      | 235                     | 2                      |
| 2459-11523        | 00000/0000                   | 2-20024/0277                | 04/25/76         | 30             | 6397            | 7847N                        | 01548E        | 24.2         | 195.8        | GGGG                               |                     |                      | 235                     | 3                      |
| 2459-11525        | 00000/0000                   | 2-20024/0278                | 04/25/76         | 20             | 6397            | 7741N                        | 01011E        | 25.3         | 190.0        | GGGG                               |                     |                      | 235                     | 4                      |
| 2459-11532        | 00000/0000                   | 2-20024/0279                | 04/25/76         | 90             | 6397            | 7649N                        | 00523E        | 26.5         | 184.9        | GGGG                               |                     |                      | 235                     | 5                      |
| 2459-13345        | 00000/0000                   | 2-20024/0280                | 04/25/76         | 0              | 6398            | 8015N                        | 00402E        | 21.9         | 210.1        | GGGG                               |                     |                      | 2                       | 1                      |
| 2459-13352        | 00000/0000                   | 2-20024/0281                | 04/25/76         | 0              | 6398            | 7936N                        | 00325W        | 23.0         | 202.4        | GGGG                               |                     |                      | 2                       | 2                      |
| 2459-13354        | 00000/0000                   | 2-20024/0282                | 04/25/76         | 0              | 6398            | 7847N                        | 00958W        | 24.2         | 195.8        | FFGG                               |                     |                      | 2                       | 3                      |
| 2459-13361        | 00000/0000                   | 2-20024/0283                | 04/25/76         | 0              | 6398            | 7741N                        | 01537W        | 25.3         | 189.9        | GGGG                               |                     |                      | 2                       | 4                      |
| 2459-14031        | 00000/0000                   | 2-20024/0583                | 04/25/76         | 40             | 6398            | 1257S                        | 07119W        | 42.4         | 57.9         | GGGG                               |                     |                      | 3                       | 69                     |
| 2459-15213        | 00000/0000                   | 2-20024/0584                | 04/25/76         | 0              | 6399            | 7208N                        | 05938W        | 31.0         | 170.3        | GGGG                               |                     |                      | 21                      | 9                      |
| 2459-15272        | 00000/0000                   | 2-20024/0584                | 04/25/76         | 100            | 6399            | 5309N                        | 07810W        | 45.3         | 143.2        | GGGG                               |                     |                      | 21                      | 23                     |
| 2459-15274        | 00000/0000                   | 2-20024/0585                | 04/25/76         | 90             | 6399            | 5145N                        | 07853W        | 46.2         | 141.5        | GGGG                               |                     |                      | 21                      | 24                     |
| 2459-15281        | 00000/0000                   | 2-20024/0586                | 04/25/76         | 100            | 6399            | 5020N                        | 07933W        | 47.0         | 139.8        | GGGG                               |                     |                      | 21                      | 25                     |
| 2459-17095        | 00000/0000                   | 2-20024/0524                | 04/25/76         | 10             | 6400            | 5558N                        | 10227W        | 43.5         | 146.5        | GGGG                               |                     |                      | 39                      | 21                     |
| 2459-17101        | 00000/0000                   | 2-20024/0525                | 04/25/76         | 40             | 6400            | 5434N                        | 10315W        | 44.4         | 144.8        | GGGG                               |                     |                      | 39                      | 22                     |
| 2459-17104        | 00000/0000                   | 2-20024/0526                | 04/25/76         | 40             | 6400            | 5310N                        | 10400W        | 45.3         | 143.2        | GGGG                               |                     |                      | 39                      | 23                     |
| 2459-17110        | 00000/0000                   | 2-20024/0527                | 04/25/76         | 20             | 6400            | 5145N                        | 10443W        | 46.2         | 141.5        | GGGG                               |                     |                      | 39                      | 24                     |
| 2459-17113        | 00000/0000                   | 2-20024/0528                | 04/25/76         | 10             | 6400            | 5021N                        | 10524W        | 47.0         | 139.8        | GGGF                               |                     |                      | 39                      | 25                     |
| 2459-20282        | 00000/0000                   | 2-20024/0638                | 04/25/76         | 20             | 6402            | 7937N                        | 10634W        | 23.1         | 202.7        | GGGG                               |                     |                      | 74                      | 2                      |
| 2459-20285        | 00000/0000                   | 2-20024/0639                | 04/25/76         | 10             | 6402            | 7849N                        | 11307W        | 24.3         | 196.0        | GGGF                               |                     |                      | 74                      | 3                      |
| 2459-20291        | 00000/0000                   | 2-20024/0640                | 04/25/76         | 0              | 6402            | 7753N                        | 11845W        | 25.4         | 190.1        | GGGG                               |                     |                      | 74                      | 4                      |
| 2459-20294        | 00000/0000                   | 2-20024/0641                | 04/25/76         | 10             | 6402            | 7651N                        | 12334W        | 26.5         | 185.1        | GGGG                               |                     |                      | 74                      | 5                      |
| 2459-20303        | 00000/0000                   | 2-20024/0642                | 04/25/76         | 90             | 6402            | 7437N                        | 13114W        | 28.8         | 176.8        | GGG                                |                     |                      | 75                      | 7                      |
| 2459-20305        | 00000/0000                   | 2-20024/0643                | 04/25/76         | 50             | 6402            | 7325N                        | 13420W        | 29.9         | 173.4        | GGGG                               |                     |                      | 75                      | 8                      |
| 2459-20312        | 00000/0000                   | 2-20024/0644                | 04/25/76         | 60             | 6402            | 7210N                        | 13701W        | 31.0         | 170.4        | GGGG                               |                     |                      | 75                      | 9                      |
| 2459-20314        | 00000/0000                   | 2-20024/0645                | 04/25/76         | 90             | 6402            | 7055N                        | 13922W        | 32.2         | 167.7        | GGGG                               |                     |                      | 75                      | 10                     |
| 2459-22143        | 00000/0000                   | 2-20024/0646                | 04/25/76         | 100            | 6403            | 7210N                        | 16251W        | 31.1         | 170.4        | GGFG                               |                     |                      | 93                      | 9                      |
| 2459-22150        | 00000/0000                   | 2-20024/0647                | 04/25/76         | 100            | 6403            | 7054N                        | 16512W        | 32.2         | 167.7        | GGGG                               |                     |                      | 93                      | 10                     |
| 2460-01463        | 00000/0000                   | 2-20024/0619                | 04/26/76         | 10             | 6405            | 5435N                        | 12743E        | 44.5         | 144.8        | GGGG                               |                     |                      | 129                     | 22                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SUN<br>ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|--------------------------------|------------------------|
| 2460-01465        | 00000/0000 2-20024/0620                        | 04/26/76         | 10             | 6405                   | 5311N                        | 12657E        | 45.4         | 143.1        | GGGG                  |                     |                      | 129                            | 23                     |
| 2460-01472        | 00000/0000 2-20024/0621                        | 04/26/76         | 20             | 6405                   | 5146N                        | 12614E        | 46.3         | 141.5        | GGGG                  |                     |                      | 129                            | 24                     |
| 2460-01474        | 00000/0000 2-20024/0622                        | 04/26/76         | 50             | 6405                   | 5021N                        | 12532E        | 47.1         | 139.8        | GGGF                  |                     |                      | 129                            | 25                     |
| 2460-01481        | 00000/0000 2-20024/0623                        | 04/26/76         | 60             | 6405                   | 4856N                        | 12453E        | 48.0         | 138.0        | GGGG                  |                     |                      | 129                            | 26                     |
| 2460-01483        | 00000/0000 2-20024/0624                        | 04/26/76         | 60             | 6405                   | 4731N                        | 12417E        | 48.8         | 136.3        | GGGG                  |                     |                      | 129                            | 27                     |
| 2460-01490        | 00000/0000 2-20024/0625                        | 04/26/76         | 50             | 6405                   | 4606N                        | 12342E        | 49.6         | 134.5        | GGGG                  |                     |                      | 129                            | 28                     |
| 2460-01492        | 00000/0000 2-20024/1138                        | 04/26/76         | 10             | 6405                   | 4441N                        | 12308E        | 50.3         | 132.7        | GGGG                  |                     |                      | 129                            | 29                     |
| 2460-01501        | 00000/0000 2-20024/1139                        | 04/26/76         | 30             | 6405                   | 4150N                        | 12204E        | 51.7         | 128.9        | FFFF                  |                     |                      | 129                            | 31                     |
| 2460-01504        | 00000/0000 2-20024/1140                        | 04/26/76         | 60             | 6405                   | 4024N                        | 12134E        | 52.3         | 127.0        | FFFF                  |                     |                      | 129                            | 32                     |
| 2460-01510        | 00000/0000 2-20024/1141                        | 04/26/76         | 80             | 6405                   | 3858N                        | 12106E        | 52.9         | 125.0        | GGGG                  |                     |                      | 129                            | 33                     |
| 2460-01513        | 00000/0000 2-20024/1142                        | 04/26/76         | 30             | 6405                   | 3733N                        | 12037E        | 53.5         | 123.0        | GGGF                  |                     |                      | 129                            | 34                     |
| 2460-01515        | 00000/0000 2-20024/1143                        | 04/26/76         | 40             | 6405                   | 3607N                        | 12010E        | 54.0         | 120.9        | GGGG                  |                     |                      | 129                            | 35                     |
| 2460-01522        | 00000/0000 2-20024/1144                        | 04/26/76         | 20             | 6405                   | 3440N                        | 11943E        | 54.5         | 118.8        | GGGG                  |                     |                      | 129                            | 36                     |
| 2460-01524        | 00000/0000 2-20024/1145                        | 04/26/76         | 10             | 6405                   | 3314N                        | 11917E        | 54.9         | 116.6        | GGGG                  |                     |                      | 129                            | 37                     |
| 2460-01531        | 00000/0000 2-20024/1146                        | 04/26/76         | 20             | 6405                   | 3148N                        | 11852E        | 55.3         | 114.4        | GGGG                  |                     |                      | 129                            | 38                     |
| 2460-01533        | 00000/0000 2-20024/1147                        | 04/26/76         | 30             | 6405                   | 3023N                        | 11827E        | 55.6         | 112.2        | GGGG                  |                     |                      | 129                            | 39                     |
| 2460-01540        | 00000/0000 2-20024/1148                        | 04/26/76         | 60             | 6405                   | 2857N                        | 11803E        | 55.9         | 109.9        | GGGG                  |                     |                      | 129                            | 40                     |
| 2460-01542        | 00000/0000 2-20024/1149                        | 04/26/76         | 70             | 6405                   | 2731N                        | 11739E        | 56.1         | 107.6        | GGGG                  |                     |                      | 129                            | 41                     |
| 2460-01545        | 00000/0000 2-20024/1150                        | 04/26/76         | 70             | 6405                   | 2604N                        | 11716E        | 56.4         | 105.3        | GGGG                  |                     |                      | 129                            | 42                     |
| 2460-01551        | 00000/0000 2-20024/1151                        | 04/26/76         | 50             | 6405                   | 2438N                        | 11653E        | 56.7         | 103.0        | GGGG                  |                     |                      | 129                            | 43                     |
| 2460-03340        | 00000/0000 2-20024/1152                        | 04/26/76         | 10             | 6406                   | 4024N                        | 09544E        | 52.4         | 126.9        | GGGG                  |                     |                      | 147                            | 32                     |
| 2460-03342        | 00000/0000 2-20024/1153                        | 04/26/76         | 80             | 6406                   | 3858N                        | 09515E        | 53.0         | 125.0        | GGGG                  |                     |                      | 147                            | 33                     |
| 2460-03345        | 00000/0000 2-20024/1154                        | 04/26/76         | 30             | 6406                   | 3732N                        | 09446E        | 53.5         | 122.9        | GGGG                  |                     |                      | 147                            | 34                     |
| 2460-03381        | 00000/0000 2-20024/1155                        | 04/26/76         | 50             | 6406                   | 2603N                        | 09125E        | 56.3         | 105.3        | GGGG                  |                     |                      | 147                            | 42                     |
| 2460-03383        | 00000/0000 2-20024/1156                        | 04/26/76         | 60             | 6406                   | 2436N                        | 09102E        | 56.4         | 103.0        | GGGG                  |                     |                      | 147                            | 43                     |
| 2460-03390        | 00000/0000 2-20024/1157                        | 04/26/76         | 40             | 6406                   | 2311N                        | 09039E        | 56.4         | 100.7        | GGGG                  |                     |                      | 147                            | 44                     |
| 2460-05115        | 00000/0000 2-20024/0841                        | 04/26/76         | 0              | 6407                   | 5846N                        | 07438E        | 41.7         | 149.8        | GGGG                  |                     |                      | 165                            | 19                     |
| 2460-05121        | 00000/0000 2-20024/0842                        | 04/26/76         | 0              | 6407                   | 5723N                        | 07743E        | 42.7         | 148.1        | GGGF                  |                     |                      | 165                            | 20                     |
| 2460-05124        | 00000/0000 2-20024/0843                        | 04/26/76         | 10             | 6407                   | 5559N                        | 07652E        | 43.6         | 146.4        | GGGG                  |                     |                      | 165                            | 21                     |
| 2460-05133        | 00000/0000 2-20024/0844                        | 04/26/76         | 10             | 6407                   | 5310N                        | 07518E        | 45.5         | 143.1        | GGGG                  |                     |                      | 165                            | 23                     |
| 2460-05135        | 00000/0000 2-20024/0845                        | 04/26/76         | 10             | 6407                   | 5145N                        | 07435E        | 46.3         | 141.4        | GGGG                  |                     |                      | 165                            | 24                     |
| 2460-05142        | 00000/0000 2-20024/0846                        | 04/26/76         | 10             | 6407                   | 5021N                        | 07354E        | 47.2         | 139.7        | GGGG                  |                     |                      | 165                            | 25                     |
| 2460-05144        | 00000/0000 2-20024/0847                        | 04/26/76         | 10             | 6407                   | 4856N                        | 07315E        | 48.0         | 138.0        | GGGG                  |                     |                      | 165                            | 26                     |
| 2460-05162        | 00000/0000 2-20024/0848                        | 04/26/76         | 10             | 6407                   | 4315N                        | 07057E        | 51.1         | 130.8        | GGGG                  |                     |                      | 165                            | 30                     |
| 2460-05165        | 00000/0000 2-20024/0849                        | 04/26/76         | 10             | 6407                   | 4149N                        | 07026E        | 51.7         | 128.9        | GGGG                  |                     |                      | 165                            | 31                     |
| 2460-05171        | 00000/0000 2-20024/0850                        | 04/26/76         | 10             | 6407                   | 4024N                        | 06956E        | 52.4         | 126.9        | GGGG                  |                     |                      | 165                            | 32                     |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 29, 77

LANHSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBLI<br>MSS | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | SUN ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRA-E<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|-----------------------|---------------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                              |                             |                  |                       |                     |                                    |                                     |              |              | 123 45678             |                     |                      |                         |                        |
| 2460-05174        | 00000/0000                   | 2-20024/0851                | 04/26/76         | 10                    | 6407                | 3858N                              | 06927E                              | 53.0         | 124.9        | GGGG                  |                     |                      | 165                     | 33                     |
| 2460-05180        | 00000/0000                   | 2-20024/0852                | 04/26/76         | 30                    | 6407                | 3732N                              | 06858E                              | 53.5         | 122.9        | GGGG                  |                     |                      | 165                     | 34                     |
| 2460-06541        | 00000/0000                   | 2-20024/1158                | 04/26/76         | 90                    | 6408                | 6131N                              | 05449E                              | 39.7         | 153.2        | GGGG                  |                     |                      | 183                     | 17                     |
| 2460-06544        | 00000/0000                   | 2-20024/1159                | 04/26/76         | 30                    | 6408                | 6009N                              | 05346E                              | 40.7         | 151.5        | GGGG                  |                     |                      | 183                     | 18                     |
| 2460-06550        | 00000/0000                   | 2-20024/1160                | 04/26/76         | 10                    | 6408                | 5845N                              | 05248E                              | 41.7         | 149.8        | GGGG                  |                     |                      | 183                     | 19                     |
| 2460-06553        | 00000/0000                   | 2-20024/1161                | 04/26/76         | 20                    | 6408                | 5722N                              | 05153E                              | 42.7         | 148.1        | GGGG                  |                     |                      | 183                     | 20                     |
| 2460-06555        | 00000/0000                   | 2-20024/1162                | 04/26/76         | 20                    | 6408                | 5559N                              | 05103E                              | 43.6         | 146.4        | GGGG                  |                     |                      | 183                     | 21                     |
| 2460-06562        | 00000/0000                   | 2-20024/1163                | 04/26/76         | 10                    | 6408                | 5434N                              | 05015E                              | 44.6         | 144.8        | GGGG                  |                     |                      | 183                     | 22                     |
| 2460-06564        | 00000/0000                   | 2-20024/1164                | 04/26/76         | 10                    | 6408                | 5310N                              | 04930E                              | 45.5         | 143.1        | GGGG                  |                     |                      | 183                     | 23                     |
| 2460-06571        | 00000/0000                   | 2-20024/1165                | 04/26/76         | 10                    | 6408                | 5145N                              | 04846E                              | 46.4         | 141.4        | GGGG                  |                     |                      | 183                     | 24                     |
| 2460-06573        | 00000/0000                   | 2-20024/1166                | 04/26/76         | 10                    | 6408                | 5020N                              | 04805E                              | 47.2         | 139.7        | GGGG                  |                     |                      | 183                     | 25                     |
| 2460-06580        | 00000/0000                   | 2-20024/1167                | 04/26/76         | 30                    | 6408                | 4856N                              | 04727E                              | 48.1         | 138.0        | GGGG                  |                     |                      | 183                     | 26                     |
| 2460-06582        | 00000/0000                   | 2-20024/1168                | 04/26/76         | 90                    | 6408                | 4731N                              | 04650E                              | 48.9         | 136.2        | GGGG                  |                     |                      | 183                     | 27                     |
| 2460-06585        | 00000/0000                   | 2-20024/1169                | 04/26/76         | 70                    | 6408                | 4606N                              | 04615E                              | 49.6         | 134.4        | GGGG                  |                     |                      | 183                     | 28                     |
| 2460-06591        | 00000/0000                   | 2-20024/1170                | 04/26/76         | 30                    | 6408                | 4441N                              | 04541E                              | 50.4         | 132.6        | GGGG                  |                     |                      | 183                     | 29                     |
| 2460-06594        | 00000/0000                   | 2-20024/1171                | 04/26/76         | 60                    | 6408                | 4315N                              | 04508E                              | 51.1         | 130.8        | GGGG                  |                     |                      | 183                     | 30                     |
| 2460-07000        | 00000/0000                   | 2-20024/1172                | 04/26/76         | 10                    | 6408                | 4149N                              | 04437E                              | 51.8         | 128.8        | GGGG                  |                     |                      | 183                     | 31                     |
| 2460-07003        | 00000/0000                   | 2-20024/1173                | 04/26/76         | 10                    | 6408                | 4023N                              | 04406E                              | 52.4         | 126.9        | GGGG                  |                     |                      | 183                     | 32                     |
| 2460-08352        | 00000/0000                   | 2-20024/0853                | 04/26/76         | 90                    | 6409                | 6816N                              | 03557E                              | 34.5         | 162.8        | GGGG                  |                     |                      | 201                     | 12                     |
| 2460-08355        | 00000/0000                   | 2-20024/0854                | 04/26/76         | 40                    | 6409                | 6656N                              | 03417E                              | 35.6         | 160.7        | GGGG                  |                     |                      | 201                     | 13                     |
| 2460-08361        | 00000/0000                   | 2-20024/0855                | 04/26/76         | 40                    | 6409                | 6536N                              | 03247E                              | 36.7         | 158.7        | GGGG                  |                     |                      | 201                     | 14                     |
| 2460-08364        | 00000/0000                   | 2-20024/0856                | 04/26/76         | 40                    | 6409                | 6414N                              | 03125E                              | 37.7         | 156.8        | GGGG                  |                     |                      | 201                     | 15                     |
| 2460-08370        | 00000/0000                   | 2-20024/0857                | 04/26/76         | 40                    | 6409                | 6253N                              | 03010E                              | 38.7         | 154.9        | GGGG                  |                     |                      | 201                     | 16                     |
| 2460-08373        | 00000/0000                   | 2-20024/0178                | 04/26/76         | 10                    | 6409                | 6130N                              | 02902E                              | 39.8         | 153.2        | GGGG                  |                     |                      | 201                     | 17                     |
| 2460-08375        | 00000/0000                   | 2-20024/0179                | 04/26/76         | 10                    | 6409                | 6008N                              | 02759E                              | 40.8         | 151.4        | GGGG                  |                     |                      | 201                     | 18                     |
| 2460-08382        | 00000/0000                   | 2-20024/0180                | 04/26/76         | 10                    | 6409                | 5845N                              | 02700E                              | 41.7         | 149.7        | GGGG                  |                     |                      | 201                     | 19                     |
| 2460-08384        | 00000/0000                   | 2-20024/0181                | 04/26/76         | 60                    | 6409                | 5722N                              | 02605E                              | 42.7         | 148.1        | GGGG                  |                     |                      | 201                     | 20                     |
| 2460-08391        | 00000/0000                   | 2-20024/0585                | 04/26/76         | 20                    | 6409                | 5557N                              | 02513E                              | 43.7         | 146.4        | GGGG                  |                     |                      | 201                     | 21                     |
| 2460-08393        | 00000/0000                   | 2-20024/0586                | 04/26/76         | 20                    | 6409                | 5432N                              | 02425E                              | 44.6         | 144.7        | GGGG                  |                     |                      | 201                     | 22                     |
| 2460-08400        | 00000/0000                   | 2-20024/0587                | 04/26/76         | 40                    | 6409                | 5308N                              | 02340E                              | 45.5         | 143.1        | GGGG                  |                     |                      | 201                     | 23                     |
| 2460-08402        | 00000/0000                   | 2-20024/0588                | 04/26/76         | 90                    | 6409                | 5144N                              | 02257E                              | 46.4         | 141.4        | GGGG                  |                     |                      | 201                     | 24                     |
| 2460-08405        | 00000/0000                   | 2-20024/0589                | 04/26/76         | 90                    | 6409                | 5020N                              | 02217E                              | 47.2         | 139.7        | GGGG                  |                     |                      | 201                     | 25                     |
| 2460-08411        | 00000/0000                   | 2-20024/0590                | 04/26/76         | 60                    | 6409                | 4855N                              | 02138E                              | 48.1         | 138.0        | GGGG                  |                     |                      | 201                     | 26                     |
| 2460-08520        | 00000/0000                   | 2-20024/0591                | 04/26/76         | 20                    | 6409                | 1137N                              | 01023E                              | 54.3         | 82.8         | GGGG                  |                     |                      | 201                     | 52                     |
| 2460-08523        | 00000/0000                   | 2-20024/0592                | 04/26/76         | 10                    | 6409                | 1010N                              | 01003E                              | 54.4         | 80.8         | GGGG                  |                     |                      | 201                     | 53                     |
| 2460-10152        | 00000/0000                   | 2-20024/0593                | 04/26/76         | 20                    | 6410                | 7752N                              | 03445E                              | 25.6         | 190.2        | GGGG                  |                     |                      | 218                     | 4                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
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FROM 01/22/77 TO 01/22/77

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| OBSERVATION<br>ID | 1CROFILM RELI NR./<br>POSITION IN RELI<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|---------------------------------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2460-10154        | 00000/0000 2-20024/0594                           | 04/26/76         | 40             | 6410            | 7651N 02954E                            | 26.7         | 185.1        | FGGG                               |                     |                      | 218                     | 5                      |
| 2460-10161        | 00000/0000 2-20024/0595                           | 04/26/76         | 50             | 6410            | 7546N 02546E                            | 27.9         | 180.7        | GGGG                               |                     |                      | 219                     | 6                      |
| 2460-13595        | 00000/0000 2-20024/0596                           | 04/26/76         | 30             | 6412            | 1853N 06517W                            | 56.3         | 93.6         | GGGG                               |                     | H                    | 4                       | 47                     |
| 2460-15335        | 00000/0000 2-20024/0626                           | 04/26/76         | 90             | 6413            | 5021N 08100W                            | 47.3         | 139.7        | GGFG                               |                     |                      | 22                      | 25                     |
| 2460-17071        | 00000/0000 2-20024/0597                           | 04/26/76         | 100            | 6414            | 8016N 04450W                            | 22.2         | 210.3        | FFGG                               |                     |                      | 26                      | 248                    |
| 2460-17153        | 00000/0000 2-20024/0603                           | 04/26/76         | 30             | 6414            | 5600N 10350W                            | 43.8         | 146.4        | GGGG                               |                     |                      | 40                      | 21                     |
| 2460-17162        | 00000/0000 2-20024/0604                           | 04/26/76         | 30             | 6414            | 5312N 10523N                            | 45.6         | 143.1        | GGFG                               |                     |                      | 40                      | 23                     |
| 2460-17164        | 00000/0000 2-20024/0605                           | 04/26/76         | 40             | 6414            | 5147N 10606W                            | 46.5         | 141.4        | GGGG                               |                     |                      | 40                      | 24                     |
| 2460-17171        | 00000/0000 2-20024/0606                           | 04/26/76         | 10             | 6414            | 5022N 10547W                            | 47.3         | 139.7        | GGGG                               |                     |                      | 40                      | 25                     |
| 2460-20340        | 00000/0000 2-20024/0627                           | 04/26/76         | 0              | 6416            | 7936N 10412W                            | 23.4         | 202.6        | GG                                 |                     |                      | 75                      | 2                      |
| 2460-20343        | 00000/0000 2-20024/0628                           | 04/26/76         | 10             | 6416            | 7847N 11444W                            | 24.6         | 195.9        | GGGG                               |                     |                      | 75                      | 3                      |
| 2460-20345        | 00000/0000 2-20024/0629                           | 04/26/76         | 60             | 6416            | 7752N 12019W                            | 25.8         | 190.1        | GGGG                               |                     |                      | 75                      | 4                      |
| 2460-20352        | 00000/0000 2-20024/0630                           | 04/26/76         | 50             | 6416            | 7650N 12509W                            | 26.9         | 185.0        | GGGG                               |                     |                      | 75                      | 5                      |
| 2460-20354        | 00000/0000 2-20024/0631                           | 04/26/76         | 10             | 6416            | 7544N 12916W                            | 28.0         | 180.6        | GGGG                               |                     |                      | 76                      | 6                      |
| 2460-20361        | 00000/0000 2-20024/0632                           | 04/26/76         | 70             | 6416            | 7435N 13249W                            | 29.2         | 176.8        | GGGG                               |                     |                      | 76                      | 7                      |
| 2460-20363        | 00000/0000 2-20024/0633                           | 04/26/76         | 40             | 6416            | 7323N 13553W                            | 30.3         | 173.4        | GGGG                               |                     |                      | 76                      | 8                      |
| 2460-22202        | 00000/0000 2-20024/0634                           | 04/26/76         | 100            | 6417            | 7208N 16418W                            | 31.4         | 170.4        | GGGG                               |                     |                      | 94                      | 9                      |
| 2460-22204        | 00000/0000 2-20024/0635                           | 04/26/76         | 100            | 6417            | 7052N 16440W                            | 32.5         | 167.6        | FGFG                               |                     |                      | 94                      | 10                     |
| 2460-22211        | 00000/0000 2-20024/0636                           | 04/26/76         | 100            | 6417            | 6935N 16445W                            | 33.6         | 165.1        | GGGG                               |                     |                      | 94                      | 11                     |
| 2460-22213        | 00000/0000 2-20024/0637                           | 04/26/76         | 100            | 6417            | 6816N 17036W                            | 34.7         | 162.8        | GGGG                               |                     |                      | 94                      | 12                     |
| 2461-00230        | 00000/0000 2-20024/0598                           | 04/27/76         | 20             | 6418            | 1419S 13200E                            | 41.3         | 56.5         | GGGG                               |                     |                      | 112                     | 70                     |
| 2461-01512        | 00000/0000 2-20024/0599                           | 04/27/76         | 70             | 6419            | 5724N 12753E                            | 42.9         | 148.1        | FGFG                               |                     |                      | 130                     | 20                     |
| 2461-01515        | 00000/0000 2-20024/0600                           | 04/27/76         | 20             | 6419            | 5600N 12703E                            | 43.9         | 146.4        | FGGG                               |                     |                      | 130                     | 21                     |
| 2461-01521        | 00000/0000 2-20024/0601                           | 04/27/76         | 40             | 6419            | 5437N 12616E                            | 44.8         | 144.7        | GGGG                               |                     |                      | 130                     | 22                     |
| 2461-01524        | 00000/0000 2-20024/0602                           | 04/27/76         | 50             | 6419            | 5313N 12531E                            | 45.7         | 143.0        | GGGG                               |                     |                      | 130                     | 23                     |
| 2461-01530        | 00000/0000 2-20024/0603                           | 04/27/76         | 40             | 6419            | 5148N 12448E                            | 46.6         | 141.3        | FFGF                               |                     |                      | 130                     | 24                     |
| 2461-01533        | 00000/0000 2-20024/0604                           | 04/27/76         | 30             | 6419            | 5023N 12407E                            | 47.4         | 139.6        | GGGG                               |                     |                      | 130                     | 25                     |
| 2461-01535        | 00000/0000 2-20024/0605                           | 04/27/76         | 20             | 6419            | 4858N 12328E                            | 48.3         | 137.9        | GGGG                               |                     |                      | 130                     | 26                     |
| 2461-01542        | 00000/0000 2-20024/0606                           | 04/27/76         | 10             | 6419            | 4733N 12251E                            | 49.1         | 136.1        | GGGG                               |                     |                      | 130                     | 27                     |
| 2461-01544        | 00000/0000 2-20024/0607                           | 04/27/76         | 0              | 6419            | 4608N 12216E                            | 49.8         | 134.3        | GGGG                               |                     |                      | 130                     | 28                     |
| 2461-01551        | 00000/0000 2-20024/0608                           | 04/27/76         | 0              | 6419            | 4443N 12142E                            | 50.6         | 132.5        | GGGG                               |                     |                      | 130                     | 29                     |
| 2461-01560        | 00000/0000 2-20024/0609                           | 04/27/76         | 10             | 6419            | 4152N 12038E                            | 52.0         | 128.7        | GGGG                               |                     |                      | 130                     | 30                     |
| 2461-01562        | 00000/0000 2-20024/0610                           | 04/27/76         | 0              | 6419            | 4026N 12008E                            | 52.6         | 126.7        | GGFG                               |                     |                      | 130                     | 31                     |
| 2461-01565        | 00000/0000 2-20024/0611                           | 04/27/76         | 10             | 6419            | 3900N 11939E                            | 53.2         | 124.7        | FGGG                               |                     |                      | 130                     | 32                     |
| 2461-01571        | 00000/0000 2-20024/0612                           | 04/27/76         | 70             | 6419            | 3734N 11910E                            | 53.7         | 122.7        | GGGG                               |                     |                      | 130                     | 33                     |
| 2461-01574        | 00000/0000 2-20024/0613                           | 04/27/76         | 90             | 6419            | 3608N 11843E                            | 54.3         | 120.6        | FFGG                               |                     |                      | 130                     | 34                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2461-01580        | 00000/0000                   | 2-20024/0171                | 04/27/76         | 90             | 6419            | 3442N                        | 11R16E        | 54.7         | 118.4        | FGFG                               |                     |                      | 130                     | 36                     |
| 2461-01583        | 00000/0000                   | 2-20024/0172                | 04/27/76         | 50             | 6419            | 3317N                        | 11750E        | 55.1         | 116.2        | GGGG                               |                     |                      | 130                     | 37                     |
| 2461-01585        | 00000/0000                   | 2-20024/0173                | 04/27/76         | 70             | 6419            | 3151N                        | 11725E        | 55.5         | 114.0        | GFGG                               |                     |                      | 130                     | 38                     |
| 2461-01592        | 00000/0000                   | 2-20024/0174                | 04/27/76         | 50             | 6419            | 3024N                        | 11701E        | 55.8         | 111.8        | GGGG                               |                     |                      | 130                     | 39                     |
| 2461-01594        | 00000/0000                   | 2-20024/0175                | 04/27/76         | 10             | 6419            | 2858N                        | 11636E        | 56.1         | 109.5        | GGGG                               |                     |                      | 130                     | 40                     |
| 2461-02001        | 00000/0000                   | 2-20024/0176                | 04/27/76         | 30             | 6419            | 2722N                        | 11613E        | 56.3         | 107.2        | GGGG                               |                     |                      | 130                     | 41                     |
| 2461-02003        | 00000/0000                   | 2-20024/0177                | 04/27/76         | 10             | 6419            | 2675N                        | 11550E        | 56.4         | 104.9        | GFGG                               |                     |                      | 130                     | 42                     |
| 2461-03394        | 00000/0000                   | 2-20024/0182                | 04/27/76         | 10             | 6420            | 4025N                        | 09419E        | 52.6         | 126.7        | GFGG                               |                     |                      | 148                     | 38                     |
| 2461-03455        | 00000/0000                   | 2-20024/0183                | 04/27/76         | 30             | 6420            | 1852N                        | 08A09E        | 56.4         | 93.3         | GGGG                               |                     |                      | 148                     | 47                     |
| 2461-03473        | 00000/0000                   | 2-20024/0184                | 04/27/76         | 10             | 6420            | 1346N                        | 08644E        | 55.3         | 84.5         | GGGG                               |                     |                      | 148                     | 51                     |
| 2461-03480        | 00000/0000                   | 2-20024/0185                | 04/27/76         | 20             | 6420            | 1139N                        | 08424E        | 54.9         | 82.4         | FGGF                               |                     |                      | 148                     | 52                     |
| 2461-03482        | 00000/0000                   | 2-20024/0186                | 04/27/76         | 30             | 6420            | 1013N                        | 08603E        | 54.4         | 80.4         | GGGG                               |                     |                      | 148                     | 53                     |
| 2461-05182        | 00000/0000                   | 2-20024/01813               | 04/27/76         | 10             | 6421            | 5600N                        | 07524E        | 43.9         | 146.4        | GGGG                               |                     |                      | 166                     | 21                     |
| 2461-05184        | 00000/0000                   | 2-20024/01814               | 04/27/76         | 20             | 6421            | 5436N                        | 07436E        | 44.8         | 144.7        | GGGG                               |                     |                      | 166                     | 22                     |
| 2461-05191        | 00000/0000                   | 2-20024/01722               | 04/27/76         | 30             | 6421            | 5312N                        | 07350E        | 45.7         | 143.0        | GGGG                               |                     |                      | 166                     | 23                     |
| 2461-05193        | 00000/0000                   | 2-20024/01723               | 04/27/76         | 20             | 6421            | 5147N                        | 07308E        | 46.6         | 141.3        | GGGG                               |                     |                      | 166                     | 24                     |
| 2461-05200        | 00000/0000                   | 2-20024/01724               | 04/27/76         | 30             | 6421            | 5023N                        | 07227E        | 47.5         | 139.6        | GGGG                               |                     |                      | 166                     | 25                     |
| 2461-05202        | 00000/0000                   | 2-20024/01725               | 04/27/76         | 30             | 6421            | 4857N                        | 07148E        | 48.3         | 137.9        | GGGG                               |                     |                      | 166                     | 26                     |
| 2461-05211        | 00000/0000                   | 2-20024/01726               | 04/27/76         | 60             | 6421            | 4607N                        | 07037E        | 49.9         | 134.3        | GGGG                               |                     |                      | 166                     | 28                     |
| 2461-05214        | 00000/0000                   | 2-20024/01727               | 04/27/76         | 90             | 6421            | 4442N                        | 07003E        | 50.6         | 132.4        | GGFG                               |                     |                      | 166                     | 29                     |
| 2461-05220        | 00000/0000                   | 2-20024/01728               | 04/27/76         | 100            | 6421            | 4317N                        | 06930E        | 51.3         | 130.6        | GGGG                               |                     |                      | 166                     | 30                     |
| 2461-05223        | 00000/0000                   | 2-20024/01823               | 04/27/76         | 90             | 6421            | 4151N                        | 06859E        | 52.0         | 128.6        | GGGG                               |                     |                      | 166                     | 31                     |
| 2461-05225        | 00000/0000                   | 2-20024/01824               | 04/27/76         | 40             | 6421            | 4025N                        | 06829E        | 52.6         | 126.7        | GGGG                               |                     |                      | 166                     | 32                     |
| 2461-05232        | 00000/0000                   | 2-20024/01825               | 04/27/76         | 70             | 6421            | 3970N                        | 06800E        | 53.2         | 124.7        | GGGG                               |                     |                      | 166                     | 33                     |
| 2461-05234        | 00000/0000                   | 2-20024/01826               | 04/27/76         | 30             | 6421            | 3734N                        | 06732E        | 53.8         | 122.6        | GGGG                               |                     |                      | 166                     | 34                     |
| 2461-05270        | 00000/0000                   | 2-20024/01648               | 04/27/76         | 0              | 6421            | 2605N                        | 06410E        | 56.5         | 104.8        | GGGG                               |                     |                      | 166                     | 42                     |
| 2461-06595        | 00000/0000                   | 2-20024/01649               | 04/27/76         | 20             | 6422            | 6133N                        | 05327E        | 40.0         | 153.2        | GGGG                               |                     |                      | 184                     | 17                     |
| 2461-07002        | 00000/0000                   | 2-20024/01650               | 04/27/76         | 60             | 6422            | 6010N                        | 05223E        | 41.0         | 151.4        | GGGG                               |                     |                      | 184                     | 18                     |
| 2461-07004        | 00000/0000                   | 2-20024/01651               | 04/27/76         | 80             | 6422            | 5847N                        | 05123E        | 42.0         | 149.7        | GGGG                               |                     |                      | 184                     | 19                     |
| 2461-07011        | 00000/0000                   | 2-20024/01652               | 04/27/76         | 70             | 6422            | 5724N                        | 05028E        | 43.0         | 148.0        | GGGG                               |                     |                      | 184                     | 20                     |
| 2461-07013        | 00000/0000                   | 2-20024/01653               | 04/27/76         | 90             | 6422            | 5559N                        | 04936E        | 43.9         | 146.4        | GGGG                               |                     |                      | 184                     | 21                     |
| 2461-07020        | 00000/0000                   | 2-20024/01654               | 04/27/76         | 90             | 6422            | 5436N                        | 04848E        | 44.9         | 144.7        | GGGG                               |                     |                      | 184                     | 22                     |
| 2461-07022        | 00000/0000                   | 2-20024/01655               | 04/27/76         | 70             | 6422            | 5311N                        | 04803E        | 45.8         | 143.0        | GGGG                               |                     |                      | 184                     | 23                     |
| 2461-07025        | 00000/0000                   | 2-20024/01656               | 04/27/76         | 30             | 6422            | 5147N                        | 04720E        | 46.6         | 141.3        | GGGG                               |                     |                      | 184                     | 24                     |
| 2461-07031        | 00000/0000                   | 2-20024/01657               | 04/27/76         | 10             | 6422            | 5022N                        | 04640E        | 47.5         | 139.6        | GGGG                               |                     |                      | 184                     | 25                     |
| 2461-07034        | 00000/0000                   | 2-20024/01658               | 04/27/76         | 10             | 6422            | 4858N                        | 04601E        | 48.3         | 137.8        | GGGG                               |                     |                      | 184                     | 26                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 25, 177

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OBSERVATION ID LISTING  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2461-07040        | 00000/0000                   | 2-20024/0659                | 04/27/76         | 10             | 6422            | 4733N                        | 04525E        | 49.1         | 136.1        | GGGG                               |                     |                      | 184                     | 27                     |
| 2461-07043        | 00000/0000                   | 2-20024/0660                | 04/27/76         | 10             | 6422            | 4607N                        | 04449E        | 49.9         | 134.3        | GGGG                               |                     |                      | 184                     | 28                     |
| 2461-07045        | 00000/0000                   | 2-20024/0661                | 04/27/76         | 30             | 6422            | 4442N                        | 04415E        | 50.7         | 132.4        | GGGG                               |                     |                      | 184                     | 29                     |
| 2461-07052        | 00000/0000                   | 2-20024/0662                | 04/27/76         | 30             | 6422            | 4317N                        | 04343E        | 51.4         | 130.5        | GGGG                               |                     |                      | 184                     | 30                     |
| 2461-07054        | 00000/0000                   | 2-20024/0663                | 04/27/76         | 30             | 6422            | 4151N                        | 04311E        | 52.0         | 128.6        | GGGG                               |                     |                      | 184                     | 31                     |
| 2461-08420        | 00000/0000                   | 2-20024/0827                | 04/27/76         | 50             | 6423            | 6528N                        | 03120E        | 37.0         | 158.7        | GGGG                               |                     |                      | 202                     | 14                     |
| 2461-08440        | 00000/0000                   | 2-20024/0828                | 04/27/76         | 40             | 6423            | 5847N                        | 02532E        | 42.0         | 149.7        | GGFG                               |                     |                      | 202                     | 19                     |
| 2461-08443        | 00000/0000                   | 2-20024/0829                | 04/27/76         | 30             | 6423            | 5723N                        | 02438E        | 43.0         | 148.0        | GGFG                               |                     |                      | 202                     | 20                     |
| 2461-08445        | 00000/0000                   | 2-20024/0830                | 04/27/76         | 10             | 6423            | 5569N                        | 02347E        | 44.0         | 146.3        | GGGG                               |                     |                      | 202                     | 21                     |
| 2461-08452        | 00000/0000                   | 2-20024/0880                | 04/27/76         | 10             | 6423            | 5435N                        | 02259E        | 44.9         | 144.7        | GG G                               |                     |                      | 202                     | 22                     |
| 2461-08540        | 00000/0000                   | 2-20024/0681                | 04/27/76         | 0              | 6423            | 2437N                        | 01210E        | 56.6         | 102.4        | FGGG                               |                     |                      | 202                     | 43                     |
| 2461-08543        | 00000/0000                   | 2-20024/0682                | 04/27/76         | 0              | 6423            | 2311N                        | 01148E        | 56.6         | 100.0        | GGGG                               |                     |                      | 202                     | 44                     |
| 2461-08545        | 00000/0000                   | 2-20024/0683                | 04/27/76         | 50             | 6423            | 2146N                        | 01125E        | 56.6         | 97.7         | FGGG                               |                     |                      | 202                     | 45                     |
| 2461-08552        | 00000/0000                   | 2-20024/0684                | 04/27/76         | 90             | 6423            | 2019N                        | 01104E        | 56.5         | 95.4         | GGGG                               |                     |                      | 202                     | 46                     |
| 2461-08554        | 00000/0000                   | 2-20024/0685                | 04/27/76         | 80             | 6423            | 1852N                        | 01042E        | 56.4         | 93.1         | GGGG                               |                     |                      | 202                     | 47                     |
| 2461-08561        | 00000/0000                   | 2-20024/0686                | 04/27/76         | 90             | 6423            | 1725N                        | 01020E        | 56.2         | 90.9         | FGGG                               |                     |                      | 202                     | 48                     |
| 2461-08563        | 00000/0000                   | 2-20024/0687                | 04/27/76         | 90             | 6423            | 1558N                        | 00959E        | 55.9         | 88.7         | GGGG                               |                     |                      | 202                     | 49                     |
| 2461-08570        | 00000/0000                   | 2-20024/0688                | 04/27/76         | 50             | 6423            | 1431N                        | 00938E        | 55.6         | 86.5         | GGGG                               |                     |                      | 202                     | 50                     |
| 2461-08572        | 00000/0000                   | 2-20024/0665                | 04/27/76         | 60             | 6423            | 1305N                        | 00917E        | 55.3         | 84.4         | GGGG                               |                     |                      | 202                     | 51                     |
| 2461-08575        | 00000/0000                   | 2-20024/0666                | 04/27/76         | 80             | 6423            | 1139N                        | 00856E        | 54.9         | 82.3         | GGGG                               |                     |                      | 202                     | 52                     |
| 2461-08581        | 00000/0000                   | 2-20024/0667                | 04/27/76         | 80             | 6423            | 1012N                        | 00836E        | 54.4         | 80.3         | GGGG                               |                     |                      | 202                     | 53                     |
| 2461-10210        | 00000/0000                   | 2-20024/0668                | 04/27/76         | 40             | 6424            | 7751N                        | 03316E        | 25.9         | 190.1        | GGGG                               |                     |                      | 219                     | 4                      |
| 2461-10213        | 00000/0000                   | 2-20024/0669                | 04/27/76         | 50             | 6424            | 7650N                        | 02826E        | 27.1         | 185.1        | GGGG                               |                     |                      | 219                     | 5                      |
| 2461-10215        | 00000/0000                   | 2-20024/0670                | 04/27/76         | 50             | 6424            | 7545N                        | 02419E        | 28.2         | 180.7        | GGGG                               |                     |                      | 220                     | 6                      |
| 2461-12030        | 00000/0000                   | 2-20024/0671                | 04/27/76         | 50             | 6425            | 8015N                        | 02702E        | 22.5         | 210.2        | GGGG                               |                     |                      | 237                     | 1                      |
| 2461-12033        | 00000/0000                   | 2-20024/0672                | 04/27/76         | 70             | 6425            | 7935N                        | 01933E        | 23.7         | 202.6        | PPPP                               |                     |                      | 237                     | 2                      |
| 2461-12035        | 00000/0000                   | 2-20024/0673                | 04/27/76         | 40             | 6425            | 7846N                        | 01859E        | 24.8         | 195.9        | GGGG                               |                     |                      | 237                     | 3                      |
| 2461-12042        | 00000/0000                   | 2-20024/0674                | 04/27/76         | 80             | 6425            | 7751N                        | 00723E        | 26.0         | 190.1        | GGGG                               |                     |                      | 237                     | 4                      |
| 2461-12044        | 00000/0000                   | 2-20024/0675                | 04/27/76         | 60             | 6425            | 7650N                        | 00235E        | 27.1         | 185.0        | GGGG                               |                     |                      | 237                     | 5                      |
| 2461-13462        | 00000/0000                   | 2-20024/0676                | 04/27/76         | 10             | 6426            | 8015N                        | 00113E        | 22.5         | 210.2        | GGGG                               |                     |                      | 4                       | 1                      |
| 2461-13464        | 00000/0000                   | 2-20024/0677                | 04/27/76         | 0              | 6426            | 7935N                        | 00616W        | 23.7         | 202.6        | GGGG                               |                     |                      | 4                       | 2                      |
| 2461-13473        | 00000/0000                   | 2-20024/0678                | 04/27/76         | 10             | 6426            | 7751N                        | 01825W        | 26.0         | 190.1        | GGGG                               |                     |                      | 4                       | 3                      |
| 2461-13544        | 00000/0000                   | 2-20024/0664                | 04/27/76         | 90             | 6426            | 5558N                        | 05339W        | 44.0         | 146.3        | G                                  |                     |                      | 5                       | 21                     |
| 2461-14135        | 00000/0000                   | 2-20024/0689                | 04/27/76         | 20             | 6426            | 1003S                        | 07332W        | 44.1         | 59.1         | GGGG                               |                     |                      | 5                       | 67                     |
| 2461-15300        | 00000/0000                   | 2-20024/0690                | 04/27/76         | 100            | 6427            | 7936N                        | 03211W        | 23.7         | 202.6        | GGGG                               |                     |                      | 22                      | 2                      |
| 2461-15302        | 00000/0000                   | 2-20024/0691                | 04/27/76         | 100            | 6427            | 7847N                        | 03841W        | 24.9         | 195.9        | GGGG                               |                     |                      | 22                      | 3                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0187

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2461-15305        | 00000/0000                   | 2-20024/0692                | 04/27/76         | 100            | 6427            | 7751N                        | 04417W        | 26.0         | 190.1        | GGGG                               |                     |                      | 22                      | 4                      |
| 2461-15311        | 00000/0000                   | 2-20024/0693                | 04/27/76         | 100            | 6427            | 7650N                        | 04906W        | 27.2         | 185.0        | GGGG                               |                     |                      | 22                      | 5                      |
| 2461-15314        | 00000/0000                   | 2-20024/0694                | 04/27/76         | 100            | 6427            | 7544N                        | 05315W        | 28.3         | 180.6        | GGGG                               |                     |                      | 23                      | 6                      |
| 2461-15320        | 00000/0000                   | 2-20024/0695                | 04/27/76         | 90             | 6427            | 7435N                        | 05648W        | 29.4         | 176.8        | GGGG                               |                     |                      | 23                      | 7                      |
| 2461-15393        | 00000/0000                   | 2-20024/0679                | 04/27/76         | 50             | 6427            | 5021N                        | 08226W        | 47.6         | 139.5        | GGGG                               |                     |                      | 23                      | 25                     |
| 2461-17170        | 00000/0000                   | 2-20024/0490                | 04/27/76         | 90             | 6428            | 6935N                        | 09244W        | 33.9         | 165.1        | FGGG                               |                     |                      | 41                      | 11                     |
| 2461-17173        | 00000/0000                   | 2-20024/0491                | 04/27/76         | 90             | 6428            | 6816N                        | 09435W        | 35.0         | 162.8        | GGGG                               |                     |                      | 41                      | 12                     |
| 2461-17175        | 00000/0000                   | 2-20024/0492                | 04/27/76         | 90             | 6428            | 6657N                        | 09614W        | 36.0         | 160.7        | GGGG                               |                     |                      | 41                      | 13                     |
| 2461-17182        | 00000/0000                   | 2-20024/0493                | 04/27/76         | 90             | 6428            | 6537N                        | 09744W        | 37.1         | 158.7        | GGFG                               |                     |                      | 41                      | 14                     |
| 2461-17184        | 00000/0000                   | 2-20024/0494                | 04/27/76         | 100            | 6428            | 6416N                        | 09907W        | 38.1         | 156.7        | GGGG                               |                     |                      | 41                      | 15                     |
| 2461-17191        | 00000/0000                   | 2-20024/0495                | 04/27/76         | 100            | 6428            | 6254N                        | 10022W        | 39.2         | 154.9        | GGGG                               |                     |                      | 41                      | 16                     |
| 2461-17193        | 00000/0000                   | 2-20024/0496                | 04/27/76         | 60             | 6428            | 6132N                        | 10130W        | 40.2         | 153.1        | GGGG                               |                     |                      | 41                      | 17                     |
| 2461-17200        | 00000/0000                   | 2-20024/0497                | 04/27/76         | 10             | 6428            | 6009N                        | 10233W        | 41.2         | 151.4        | GGGG                               |                     |                      | 41                      | 18                     |
| 2461-17202        | 00000/0000                   | 2-20024/0498                | 04/27/76         | 10             | 6428            | 5845N                        | 10331W        | 42.2         | 149.6        | GGGG                               |                     |                      | 41                      | 19                     |
| 2461-17205        | 00000/0000                   | 2-20024/0240                | 04/27/76         | 30             | 6428            | 5722N                        | 10425W        | 43.1         | 148.0        | GGGG                               |                     |                      | 41                      | 20                     |
| 2461-17211        | 00000/0000                   | 2-20024/0241                | 04/27/76         | 40             | 6428            | 5558N                        | 10516W        | 44.1         | 146.3        | GGGG                               |                     |                      | 41                      | 21                     |
| 2461-17214        | 00000/0000                   | 2-20024/0242                | 04/27/76         | 50             | 6428            | 5434N                        | 10604W        | 45.0         | 144.6        | FFGG                               |                     |                      | 41                      | 22                     |
| 2461-17220        | 00000/0000                   | 2-20024/0243                | 04/27/76         | 60             | 6428            | 5309N                        | 10689W        | 45.9         | 142.9        | GGGG                               |                     |                      | 41                      | 23                     |
| 2461-17223        | 00000/0000                   | 2-20024/0244                | 04/27/76         | 10             | 6428            | 5145N                        | 10732W        | 46.8         | 141.2        | GGGG                               |                     |                      | 41                      | 24                     |
| 2461-17225        | 00000/0000                   | 2-20024/0245                | 04/27/76         | 10             | 6428            | 5021N                        | 10813W        | 47.7         | 139.5        | GGGG                               |                     |                      | 41                      | 25                     |
| 2461-17284        | 00000/0000                   | 2-20024/0246                | 04/27/76         | 30             | 6428            | 3022N                        | 11520W        | 55.9         | 111.4        | GGGG                               |                     |                      | 41                      | 39                     |
| 2461-20395        | 00000/0000                   | 2-20024/0499                | 04/27/76         | 30             | 6430            | 7938N                        | 10925W        | 23.7         | 202.8        | GGGG                               |                     |                      | 76                      | 2                      |
| 2461-20401        | 00000/0000                   | 2-20024/0500                | 04/27/76         | 40             | 6430            | 7849N                        | 11559W        | 24.9         | 196.1        | GGGG                               |                     |                      | 76                      | 3                      |
| 2461-20404        | 00000/0000                   | 2-20024/0501                | 04/27/76         | 20             | 6430            | 7753N                        | 12138W        | 26.0         | 190.2        | GGFG                               |                     |                      | 76                      | 4                      |
| 2461-20410        | 00000/0000                   | 2-20024/0502                | 04/27/76         | 0              | 6430            | 7652N                        | 12627W        | 27.2         | 185.2        | GGGG                               |                     |                      | 76                      | 5                      |
| 2461-20413        | 00000/0000                   | 2-20024/0503                | 04/27/76         | 10             | 6430            | 7546N                        | 13035W        | 28.3         | 180.8        | GGGG                               |                     |                      | 77                      | 6                      |
| 2461-20415        | 00000/0000                   | 2-20024/0504                | 04/27/76         | 10             | 6430            | 7427N                        | 13407W        | 29.5         | 176.9        | GGFG                               |                     |                      | 77                      | 7                      |
| 2461-20422        | 00000/0000                   | 2-20024/0505                | 04/27/76         | 60             | 6430            | 7325N                        | 13711W        | 30.6         | 173.5        | GGGG                               |                     |                      | 77                      | 8                      |
| 2461-20424        | 00000/0000                   | 2-20024/0506                | 04/27/76         | 10             | 6430            | 7211N                        | 13952W        | 31.7         | 170.5        | GGGG                               |                     |                      | 77                      | 9                      |
| 2462-00341        | 00000/0000                   | 2-20024/0696                | 04/28/76         | 20             | 6432            | 1254S                        | 13054E        | 42.1         | 57.0         | GGGG                               |                     |                      | 113                     | 69                     |
| 2462-00344        | 00000/0000                   | 2-20024/0697                | 04/28/76         | 10             | 6432            | 1421S                        | 13033E        | 41.1         | 56.1         | GGGG                               |                     |                      | 113                     | 70                     |
| 2462-01525        | 00000/0000                   | 2-20024/0831                | 04/28/76         | 10             | 6433            | 7053N                        | 14013E        | 32.9         | 167.7        | GGFG                               |                     |                      | 131                     | 10                     |
| 2462-01573        | 00000/0000                   | 2-20024/0832                | 04/28/76         | 20             | 6433            | 5559N                        | 12536E        | 44.2         | 146.3        | GGGG                               |                     |                      | 131                     | 21                     |
| 2462-01591        | 00000/0000                   | 2-20024/0833                | 04/28/76         | 40             | 6433            | 5022N                        | 12241E        | 47.7         | 139.4        | GGGG                               |                     |                      | 131                     | 25                     |
| 2462-01593        | 00000/0000                   | 2-20024/0834                | 04/28/76         | 40             | 6433            | 4857N                        | 12202E        | 48.6         | 137.7        | GGGG                               |                     |                      | 131                     | 26                     |
| 2462-02000        | 00000/0000                   | 2-20024/0835                | 04/28/76         | 50             | 6433            | 4732N                        | 12125E        | 49.4         | 135.9        | GGGG                               |                     |                      | 131                     | 27                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/32/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>123 | MSS<br>45678 | MSS<br>MODE | MSS<br>DATA<br>IMAGE | MSS<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|------------|--------------|-------------|----------------------|-------------|-------------------------|------------------------|
| 2462-02002        | 00000/0000                                     | 2-20024/0736     | 04/28/76       | 10                     | 6433                               | 4607N                               | 12050E       | 50.1         | 134.1             | GGGG       |              |             |                      |             | 131                     | 28                     |
| 2462-02005        | 00000/0000                                     | 2-20024/0837     | 04/28/76       | 10                     | 6433                               | 4442N                               | 12016E       | 50.9         | 132.2             | GGGG       |              |             |                      |             | 131                     | 29                     |
| 2462-02011        | 00000/0000                                     | 2-20024/0838     | 04/28/76       | 20                     | 6433                               | 4316N                               | 11943E       | 51.6         | 130.3             | GGGG       |              |             |                      |             | 131                     | 30                     |
| 2462-02014        | 00000/0000                                     | 2-20024/0700     | 04/28/76       | 70                     | 6433                               | 4150N                               | 11912E       | 52.2         | 128.4             | GGGG       |              |             |                      |             | 131                     | 31                     |
| 2462-02020        | 00000/0000                                     | 2-20024/0701     | 04/28/76       | 70                     | 6433                               | 4024N                               | 11841E       | 52.9         | 126.4             | GGGG       |              |             |                      |             | 131                     | 32                     |
| 2462-02023        | 00000/0000                                     | 2-20024/0702     | 04/28/76       | 100                    | 6433                               | 3859N                               | 11812E       | 53.5         | 124.4             | GGGG       |              |             |                      |             | 131                     | 33                     |
| 2462-02025        | 00000/0000                                     | 2-20024/0703     | 04/28/76       | 100                    | 6433                               | 3733N                               | 11743E       | 54.0         | 122.3             | GGGG       |              |             |                      |             | 131                     | 34                     |
| 2462-02032        | 00000/0000                                     | 2-20024/0704     | 04/28/76       | 100                    | 6433                               | 3607N                               | 11716E       | 54.5         | 120.2             | GGGG       |              |             |                      |             | 131                     | 35                     |
| 2462-02034        | 00000/0000                                     | 2-20024/0705     | 04/28/76       | 100                    | 6433                               | 3441N                               | 11650E       | 55.0         | 118.0             | GGGG       |              |             |                      |             | 131                     | 36                     |
| 2462-02041        | 00000/0000                                     | 2-20024/0706     | 04/28/76       | 100                    | 6433                               | 3315N                               | 11624E       | 55.4         | 115.8             | GGGG       |              |             |                      |             | 131                     | 37                     |
| 2462-02043        | 00000/0000                                     | 2-20024/0707     | 04/28/76       | 90                     | 6433                               | 3149N                               | 11559E       | 55.7         | 113.6             | GGGG       |              |             |                      |             | 131                     | 38                     |
| 2462-02050        | 00000/0000                                     | 2-20024/0708     | 04/28/76       | 70                     | 6433                               | 3023N                               | 11534E       | 56.0         | 111.3             | GGGG       |              |             |                      |             | 131                     | 39                     |
| 2462-02052        | 00000/0000                                     | 2-20024/0709     | 04/28/76       | 40                     | 6433                               | 2857N                               | 11510E       | 56.3         | 109.0             | GGGG       |              |             |                      |             | 131                     | 40                     |
| 2462-02055        | 00000/0000                                     | 2-20024/0710     | 04/28/76       | 60                     | 6433                               | 2731N                               | 11446E       | 56.5         | 106.7             | GGGG       |              |             |                      |             | 131                     | 41                     |
| 2462-02061        | 00000/0000                                     | 2-20024/0711     | 04/28/76       | 90                     | 6433                               | 2605N                               | 11423E       | 56.6         | 104.3             | GGGG       |              |             |                      |             | 131                     | 42                     |
| 2462-03411        | 00000/0000                                     | 2-20024/0712     | 04/28/76       | 0                      | 6434                               | 5435N                               | 09858E       | 55.1         | 144.6             | GGGG       |              |             |                      |             | 149                     | 22                     |
| 2462-03443        | 00000/0000                                     | 2-20024/0713     | 04/28/76       | 0                      | 6434                               | 4315N                               | 09352E       | 51.6         | 130.3             | GGGG       |              |             |                      |             | 149                     | 30                     |
| 2462-03500        | 00000/0000                                     | 2-20024/0714     | 04/28/76       | 70                     | 6434                               | 2436N                               | 08810E       | 56.7         | 102.0             | GGGG       |              |             |                      |             | 149                     | 43                     |
| 2462-03502        | 00000/0000                                     | 2-20024/0715     | 04/28/76       | 20                     | 6434                               | 2310N                               | 08748E       | 56.7         | 99.6              | GGGG       |              |             |                      |             | 149                     | 44                     |
| 2462-03505        | 00000/0000                                     | 2-20024/0716     | 04/28/76       | 20                     | 6434                               | 2143N                               | 08726E       | 56.7         | 97.3              | GGGG       |              |             |                      |             | 149                     | 45                     |
| 2462-03511        | 00000/0000                                     | 2-20024/0717     | 04/28/76       | 20                     | 6434                               | 2016N                               | 08704E       | 56.6         | 95.0              | GGGG       |              |             |                      |             | 149                     | 46                     |
| 2462-03514        | 00000/0000                                     | 2-20024/0718     | 04/28/76       | 30                     | 6434                               | 1850N                               | 08642E       | 56.4         | 92.7              | GGGG       |              |             |                      |             | 149                     | 47                     |
| 2462-03520        | 00000/0000                                     | 2-20024/0719     | 04/28/76       | 30                     | 6434                               | 1724N                               | 08620E       | 56.2         | 90.4              | GGGG       |              |             |                      |             | 149                     | 48                     |
| 2462-03523        | 00000/0000                                     | 2-20024/0720     | 04/28/76       | 30                     | 6434                               | 1557N                               | 08559E       | 56.0         | 88.2              | GGGG       |              |             |                      |             | 149                     | 49                     |
| 2462-03525        | 00000/0000                                     | 2-20024/0721     | 04/28/76       | 10                     | 6434                               | 1431N                               | 08538E       | 55.7         | 86.0              | GGGG       |              |             |                      |             | 149                     | 50                     |
| 2462-05231        | 00000/0000                                     | 2-20024/0729     | 04/28/76       | 90                     | 6435                               | 5846N                               | 07543E       | 42.3         | 149.6             | GGGG       |              |             |                      |             | 167                     | 19                     |
| 2462-05234        | 00000/0000                                     | 2-20024/0730     | 04/28/76       | 80                     | 6435                               | 5723N                               | 07449E       | 43.3         | 147.9             | GGGG       |              |             |                      |             | 167                     | 20                     |
| 2462-05240        | 00000/0000                                     | 2-20024/0731     | 04/28/76       | 30                     | 6435                               | 5559N                               | 07358E       | 44.2         | 146.2             | GGGG       |              |             |                      |             | 167                     | 21                     |
| 2462-05243        | 00000/0000                                     | 2-20024/0732     | 04/28/76       | 10                     | 6435                               | 5434N                               | 07310E       | 45.2         | 144.5             | GGGG       |              |             |                      |             | 167                     | 22                     |
| 2462-05245        | 00000/0000                                     | 2-20024/0733     | 04/28/76       | 10                     | 6435                               | 5310N                               | 07225E       | 46.1         | 142.8             | GGGG       |              |             |                      |             | 167                     | 23                     |
| 2462-05252        | 00000/0000                                     | 2-20024/0734     | 04/28/76       | 20                     | 6435                               | 5146N                               | 07142E       | 46.9         | 141.1             | GGGG       |              |             |                      |             | 167                     | 24                     |
| 2462-05254        | 00000/0000                                     | 2-20024/0735     | 04/28/76       | 20                     | 6435                               | 5020N                               | 07101E       | 47.8         | 139.4             | GGGG       |              |             |                      |             | 167                     | 25                     |
| 2462-05261        | 00000/0000                                     | 2-20024/0736     | 04/28/76       | 60                     | 6435                               | 4856N                               | 07023E       | 48.6         | 137.7             | GGGG       |              |             |                      |             | 167                     | 26                     |
| 2462-05275        | 00000/0000                                     | 2-20024/0737     | 04/28/76       | 60                     | 6435                               | 4316N                               | 06455E       | 51.6         | 130.3             | GGGG       |              |             |                      |             | 167                     | 30                     |
| 2462-05281        | 00000/0000                                     | 2-20024/0738     | 04/28/76       | 50                     | 6435                               | 4149N                               | 06733E       | 52.3         | 128.3             | GGGG       |              |             |                      |             | 167                     | 31                     |
| 2462-05284        | 00000/0000                                     | 2-20024/0739     | 04/28/76       | 50                     | 6435                               | 4024N                               | 06704E       | 52.9         | 126.3             | GGGG       |              |             |                      |             | 167                     | 32                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANHSAT-2  
OBSERVATION ID LISTING  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>48V | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RRV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|-------------|-----------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2462-05290        | 00000/0000                   | 2-20024/0740                | 04/28/76         | 70          | 6435            | 3858N                                   | 06435E       | 53.5         | 124.3                 | GGGG                |                      | 167                     | 33                     |
| 2462-05293        | 00000/0000                   | 2-20024/0741                | 04/28/76         | 30          | 6435            | 3732N                                   | 06406E       | 54.0         | 122.2                 | GGGG                |                      | 167                     | 34                     |
| 2462-07054        | 00000/0000                   | 2-20024/0784                | 04/28/76         | 10          | 6436            | 6131N                                   | 05159E       | 40.4         | 153.1                 | G                   |                      | 185                     | 17                     |
| 2462-07060        | 00000/0000                   | 2-20024/0785                | 04/28/76         | 10          | 6436            | 6009N                                   | 05056E       | 41.4         | 151.3                 | GGGG                |                      | 185                     | 18                     |
| 2462-07063        | 00000/0000                   | 2-20024/0786                | 04/28/76         | 70          | 6436            | 5846N                                   | 04956E       | 42.3         | 149.6                 | GGFG                |                      | 185                     | 19                     |
| 2462-07065        | 00000/0000                   | 2-20024/0787                | 04/28/76         | 90          | 6436            | 5722N                                   | 04901E       | 43.3         | 147.9                 | GGGG                |                      | 185                     | 20                     |
| 2462-07072        | 00000/0000                   | 2-20024/0788                | 04/28/76         | 90          | 6436            | 5558N                                   | 04810E       | 44.3         | 146.2                 | GGGG                |                      | 185                     | 21                     |
| 2462-07074        | 00000/0000                   | 2-20024/0789                | 04/28/76         | 50          | 6436            | 5435N                                   | 04722E       | 45.2         | 144.5                 | GGGG                |                      | 185                     | 22                     |
| 2462-07081        | 00000/0000                   | 2-20024/0790                | 04/28/76         | 10          | 6436            | 5310N                                   | 04637E       | 46.1         | 142.8                 | FGGG                |                      | 185                     | 23                     |
| 2462-07083        | 00000/0000                   | 2-20024/0791                | 04/28/76         | 40          | 6436            | 5146N                                   | 04554E       | 47.0         | 141.1                 | FGGG                |                      | 185                     | 24                     |
| 2462-07090        | 00000/0000                   | 2-20024/0792                | 04/28/76         | 70          | 6436            | 5021N                                   | 04513E       | 47.8         | 139.4                 | FGGG                |                      | 185                     | 25                     |
| 2462-07092        | 00000/0000                   | 2-20024/0793                | 04/28/76         | 70          | 6436            | 4856N                                   | 04435E       | 48.6         | 137.6                 | GGGG                |                      | 185                     | 26                     |
| 2462-07095        | 00000/0000                   | 2-20024/0794                | 04/28/76         | 40          | 6436            | 4731N                                   | 04358E       | 49.4         | 135.8                 | GGGG                |                      | 185                     | 27                     |
| 2462-07101        | 00000/0000                   | 2-20024/0795                | 04/28/76         | 30          | 6436            | 4617N                                   | 04324E       | 50.2         | 134.0                 | GGGG                |                      | 185                     | 28                     |
| 2462-07104        | 00000/0000                   | 2-20024/0796                | 04/28/76         | 60          | 6436            | 4442N                                   | 04250E       | 50.9         | 132.2                 | GGGG                |                      | 185                     | 29                     |
| 2462-07110        | 00000/0000                   | 2-20024/0797                | 04/28/76         | 20          | 6436            | 4316N                                   | 04217E       | 51.6         | 130.3                 | GGGG                |                      | 185                     | 30                     |
| 2462-07113        | 00000/0000                   | 2-20024/0798                | 04/28/76         | 20          | 6436            | 4150N                                   | 04145E       | 52.3         | 128.3                 | GGGG                |                      | 185                     | 31                     |
| 2462-08465        | 00000/0000                   | 2-20024/0799                | 04/28/76         | 100         | 6437            | 6818N                                   | 03303E       | 35.2         | 162.8                 | G                   |                      | 203                     | 12                     |
| 2462-08471        | 00000/0000                   | 2-20024/0800                | 04/28/76         | 100         | 6437            | 6658N                                   | 03124E       | 36.2         | 160.7                 | G GG                |                      | 203                     | 13                     |
| 2462-08474        | 00000/0000                   | 2-20024/0801                | 04/28/76         | 40          | 6437            | 6537N                                   | 02954E       | 37.3         | 158.6                 | GGGG                |                      | 203                     | 14                     |
| 2462-08480        | 00000/0000                   | 2-20024/0802                | 04/28/76         | 50          | 6437            | 6415N                                   | 02831E       | 38.3         | 156.7                 | GGGG                |                      | 203                     | 15                     |
| 2462-08483        | 00000/0000                   | 2-20024/0803                | 04/28/76         | 20          | 6437            | 6254N                                   | 02716E       | 39.4         | 154.9                 | GGGG                |                      | 203                     | 16                     |
| 2462-08485        | 00000/0000                   | 2-20024/0804                | 04/28/76         | 20          | 6437            | 6131N                                   | 02608E       | 40.4         | 153.1                 | GGGG                |                      | 203                     | 17                     |
| 2462-08492        | 00000/0000                   | 2-20024/0805                | 04/28/76         | 20          | 6437            | 6008N                                   | 02506E       | 41.4         | 151.3                 | GGGG                |                      | 203                     | 18                     |
| 2462-08494        | 00000/0000                   | 2-20024/0806                | 04/28/76         | 10          | 6437            | 5845N                                   | 02407E       | 42.4         | 149.6                 | GGGG                |                      | 203                     | 19                     |
| 2462-08501        | 00000/0000                   | 2-20024/0807                | 04/28/76         | 30          | 6437            | 5722N                                   | 02312E       | 43.3         | 147.9                 | GGGG                |                      | 203                     | 20                     |
| 2462-08503        | 00000/0000                   | 2-20024/0808                | 04/28/76         | 80          | 6437            | 5558N                                   | 02221E       | 44.3         | 146.2                 | GGGG                |                      | 203                     | 21                     |
| 2462-08510        | 00000/0000                   | 2-20024/0809                | 04/28/76         | 90          | 6437            | 5434N                                   | 02133E       | 45.2         | 144.5                 | GGGG                |                      | 203                     | 22                     |
| 2462-08594        | 00000/0000                   | 2-20024/0922                | 04/28/76         | 60          | 6437            | 2437N                                   | 01044E       | 56.7         | 101.8                 | GGGG                |                      | 203                     | 43                     |
| 2462-09001        | 00000/0000                   | 2-20024/1251                | 04/28/76         | 100         | 6437            | 2310N                                   | 01021E       | 56.7         | 99.5                  | GGGG                |                      | 203                     | 44                     |
| 2462-09003        | 00000/0000                   | 2-20024/1252                | 04/28/76         | 70          | 6437            | 2143N                                   | 00959E       | 56.7         | 97.2                  | GGFG                |                      | 203                     | 45                     |
| 2462-09010        | 00000/0000                   | 2-20024/1253                | 04/28/76         | 10          | 6437            | 2018N                                   | 00937E       | 56.6         | 94.8                  | GGGG                |                      | 203                     | 46                     |
| 2462-09012        | 00000/0000                   | 2-20024/1254                | 04/28/76         | 0           | 6437            | 1851N                                   | 00916E       | 56.5         | 92.6                  | GGGG                |                      | 203                     | 47                     |
| 2462-09015        | 00000/0000                   | 2-20024/1255                | 04/28/76         | 0           | 6437            | 1725N                                   | 00855E       | 56.3         | 90.3                  | GGGG                |                      | 203                     | 48                     |
| 2462-09021        | 00000/0000                   | 2-20024/1256                | 04/28/76         | 0           | 6437            | 1557N                                   | 00833E       | 56.0         | 88.1                  | GGGG                |                      | 203                     | 49                     |
| 2462-09024        | 00000/0000                   | 2-20024/1257                | 04/28/76         | 0           | 6437            | 1430N                                   | 00812E       | 55.7         | 85.9                  | GGGG                |                      | 203                     | 50                     |

KEYS: CLOUD COVER ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM REEL NO./ POSITION IN REEL | DATE ACQUIRED | CLOUD COVER | SUN ELEV. | SUN AZIM. | IMAGE-QUAL | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME ROW NUMBER |
|----------------|--------------------------------------|---------------|-------------|-----------|-----------|------------|---------------|----------------|-------------------|------------------|
| 2462-103030    | 00000/0000 2-20024/1258              | 04/28/76      | 0           | 6437      | 1304N     | 00751E     | 55.3          | 83.8           | GGGG              |                  |
| 2462-10264     | 00000/0000 2-20024/1259              | 04/28/76      | 20          | 6438      | 7750N     | 03144E     | 26.3          | 190.1          | GGGG              | 203              |
| 2462-10271     | 00000/0000 2-20024/1260              | 04/28/76      | 10          | 6438      | 7649N     | 02645E     | 27.4          | 185.0          | GGGG              | 220              |
| 2462-10273     | 00000/0000 2-20024/1261              | 04/28/76      | 10          | 6438      | 7543N     | 02247E     | 28.5          | 180.6          | GGGG              | 220              |
| 2462-10441     | 00000/0000 2-20024/1262              | 04/28/76      | 10          | 6438      | 2016N     | 01612W     | 56.6          | 94.8           | GGGG              | 221              |
| 2462-10444     | 00000/0000 2-20024/1263              | 04/28/76      | 10          | 6438      | 1850N     | 01633W     | 56.5          | 92.5           | GGGG              | 221              |
| 2462-12035     | 00000/0000 2-20024/1264              | 04/28/76      | 10          | 6439      | 8014N     | 02531E     | 22.8          | 210.2          | GGG               | 221              |
| 2462-12091     | 00000/0000 2-20024/1265              | 04/28/76      | 20          | 6439      | 7934N     | 01802E     | 24.0          | 202.5          | FGGG              | 238              |
| 2462-12094     | 00000/0000 2-20024/1266              | 04/28/76      | 20          | 6439      | 7846N     | 01131E     | 25.1          | 195.8          | GGGG              | 238              |
| 2462-12100     | 00000/0000 2-20024/1267              | 04/28/76      | 50          | 6439      | 7750N     | 00554E     | 26.3          | 190.0          | GGGG              | 238              |
| 2462-12103     | 00000/0000 2-20024/1268              | 04/28/76      | 90          | 6439      | 7648N     | 00106E     | 27.4          | 185.0          | GGGG              | 238              |
| 2462-13520     | 00000/0000 2-20024/1269              | 04/28/76      | 10          | 6440      | 8014N     | 00010W     | 22.8          | 210.1          | GGGG              | 5                |
| 2462-13523     | 00000/0000 2-20024/1270              | 04/28/76      | 0           | 6440      | 7934N     | 00748W     | 24.0          | 202.5          | GGGG              | 5                |
| 2462-13525     | 00000/0000 2-20024/1271              | 04/28/76      | 10          | 6440      | 7846N     | 01419W     | 25.2          | 195.8          | GGGG              | 5                |
| 2462-13532     | 00000/0000 2-20024/1272              | 04/28/76      | 10          | 6440      | 7750N     | 01956W     | 26.3          | 190.0          | GGGG              | 5                |
| 2462-13550     | 00000/0000 2-20024/1273              | 04/28/76      | 100         | 6440      | 7321N     | 03526W     | 30.9          | 173.4          | PPPP              | 6                |
| 2462-14005     | 00000/0000 2-20024/1274              | 04/28/76      | 90          | 6440      | 5472N     | 05553W     | 45.3          | 144.5          | G 3               | 6                |
| 2462-14191     | 00000/0000 2-20024/1275              | 04/28/76      | 30          | 6440      | 0838S     | 07437W     | 44.9          | 59.7           | GGGG              | 6                |
| 2462-14193     | 00000/0000 2-20024/1276              | 04/28/76      | 50          | 6440      | 1074S     | 07458W     | 43.9          | 58.7           | GGGG              | 6                |
| 2462-14200     | 00000/0000 2-20024/1277              | 04/28/76      | 50          | 6440      | 1131S     | 07518W     | 43.0          | 57.7           | GGGG              | 6                |
| 2462-15543     | 00000/0000 2-20024/1278              | 04/28/76      | 20          | 6441      | 1849N     | 09400W     | 56.5          | 92.4           | GGGG              | 24               |
| 2462-15545     | 00000/0000 2-20024/1279              | 04/28/76      | 40          | 6441      | 1722N     | 09421W     | 55.3          | 90.1           | GGGG              | 24               |
| 2462-17281     | 00000/0000 2-20024/1280              | 04/28/76      | 0           | 6442      | 5144N     | 10902W     | 47.1          | 141.0          | FGGG              | 42               |
| 2462-17283     | 00000/0000 2-20024/1281              | 04/28/76      | 30          | 6442      | 5019N     | 10942W     | 48.0          | 139.3          | GGGG              | 42               |
| 2462-20453     | 00000/0000 2-20024/1282              | 04/28/76      | 10          | 6444      | 7937N     | 11047W     | 24.1          | 202.8          | FGG               | 77               |
| 2462-20455     | 00000/0000 2-20024/1283              | 04/28/76      | 10          | 6444      | 7848N     | 11722W     | 25.2          | 196.0          | GGGG              | 77               |
| 2462-20462     | 00000/0000 2-20024/1284              | 04/28/76      | 20          | 6444      | 7752N     | 12302W     | 26.4          | 190.2          | GGGG              | 77               |
| 2462-20464     | 00000/0000 2-20024/1285              | 04/28/76      | 70          | 6444      | 7650N     | 12753W     | 27.5          | 185.1          | FGGG              | 77               |
| 2462-20471     | 00000/0000 2-20024/1286              | 04/28/76      | 50          | 6444      | 7545N     | 13159W     | 28.7          | 180.7          | GGGG              | 77               |
| 2462-20473     | 00000/0000 2-20024/1287              | 04/28/76      | 30          | 6444      | 7436N     | 13533W     | 29.8          | 176.9          | FGGG              | 78               |
| 2462-20480     | 00000/0000 2-20024/1288              | 04/28/76      | 70          | 6444      | 7324N     | 13839W     | 30.9          | 173.5          | GGGG              | 78               |
| 2462-20482     | 00000/0000 2-20024/1289              | 04/28/76      | 60          | 6444      | 7210N     | 14120W     | 32.0          | 170.4          | GGGG              | 78               |
| 2463-02025     | 00000/0000 2-20024/1290              | 04/29/76      | 20          | 6447      | 5722N     | 12578E     | 43.6          | 147.8          | GGGG              | 132              |
| 2463-02045     | 00000/0000 2-20024/1291              | 04/29/76      | 0           | 6447      | 5021N     | 12119E     | 48.1          | 139.3          | GGGG              | 132              |
| 2463-02052     | 00000/0000 2-20024/1292              | 04/29/76      | 10          | 6447      | 4856N     | 12040E     | 48.9          | 137.5          | GGGG              | 132              |
| 2463-02054     | 00000/0000 2-20024/1293              | 04/29/76      | 10          | 6447      | 4731N     | 12003E     | 49.7          | 135.7          | GGGG              | 132              |

KEYS: CLOUD COVER 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANNSAT-2  
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FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2463-02061        | 00000/0000                                     | 2-20024/1268     | 04/29/76              | 30                                 | 6447                                | 4606N        | 11928E       | 50.4              | 133.8       | GGGG                |                      | 132                     | 28                     |
| 2463-02063        | 00000/0000                                     | 2-20024/1269     | 04/29/76              | 90                                 | 6447                                | 4441N        | 11854E       | 51.2              | 132.0       | GGGG                |                      | 132                     | 29                     |
| 2463-02070        | 00000/0000                                     | 2-20024/1270     | 04/29/76              | 100                                | 6447                                | 4315N        | 11821E       | 51.9              | 130.0       | GGFG                |                      | 132                     | 30                     |
| 2463-02072        | 00000/0000                                     | 2-20024/1271     | 04/29/76              | 90                                 | 6447                                | 4150N        | 11750E       | 52.5              | 128.1       | GGFG                |                      | 132                     | 31                     |
| 2463-02075        | 00000/0000                                     | 2-20024/1272     | 04/29/76              | 60                                 | 6447                                | 4024N        | 11720E       | 53.1              | 126.1       | GGGG                |                      | 132                     | 32                     |
| 2463-02081        | 00000/0000                                     | 2-20024/1273     | 04/29/76              | 90                                 | 6447                                | 3858N        | 11650E       | 53.7              | 124.0       | GGGG                |                      | 132                     | 33                     |
| 2463-02084        | 00000/0000                                     | 2-20024/1274     | 04/29/76              | 90                                 | 6447                                | 3732N        | 11622E       | 54.3              | 121.9       | GGGG                |                      | 132                     | 34                     |
| 2463-02090        | 00000/0000                                     | 2-20024/1275     | 04/29/76              | 90                                 | 6447                                | 3606N        | 11554E       | 54.7              | 119.8       | GGGG                |                      | 132                     | 35                     |
| 2463-02093        | 00000/0000                                     | 2-20024/1276     | 04/29/76              | 90                                 | 6447                                | 3440N        | 11527E       | 55.2              | 117.6       | GGGG                |                      | 132                     | 36                     |
| 2463-02095        | 00000/0000                                     | 2-20024/1277     | 04/29/76              | 90                                 | 6447                                | 3314N        | 11501E       | 55.6              | 115.4       | G                   |                      | 132                     | 37                     |
| 2463-02102        | 00000/0000                                     | 2-20024/1278     | 04/29/76              | 100                                | 6447                                | 3148N        | 11436E       | 55.9              | 113.1       | GGGG                |                      | 132                     | 38                     |
| 2463-02104        | 00000/0000                                     | 2-20024/1279     | 04/29/76              | 100                                | 6447                                | 3022N        | 11411E       | 56.2              | 110.8       | GGGG                |                      | 132                     | 39                     |
| 2463-02111        | 00000/0000                                     | 2-20024/1280     | 04/29/76              | 100                                | 6447                                | 2856N        | 11346E       | 56.5              | 108.5       | GGGG                |                      | 132                     | 40                     |
| 2463-02113        | 00000/0000                                     | 2-20024/1281     | 04/29/76              | 100                                | 6447                                | 2729N        | 11233E       | 56.6              | 106.2       | GGGG                |                      | 132                     | 41                     |
| 2463-02120        | 00000/0000                                     | 2-20024/1282     | 04/29/76              | 90                                 | 6447                                | 2603N        | 11259E       | 56.8              | 103.8       | GGGG                |                      | 132                     | 42                     |
| 2463-03460        | 00000/0000                                     | 2-20024/1283     | 04/29/76              | 90                                 | 6448                                | 5722N        | 09911E       | 43.6              | 147.8       | GFGG                |                      | 150                     | 20                     |
| 2463-03463        | 00000/0000                                     | 2-20024/1284     | 04/29/76              | 90                                 | 6448                                | 5558N        | 09820E       | 44.5              | 146.1       | GFGG                |                      | 150                     | 21                     |
| 2463-03465        | 00000/0000                                     | 2-20024/1285     | 04/29/76              | 60                                 | 6448                                | 5424N        | 09731E       | 45.5              | 144.4       | GGGG                |                      | 150                     | 22                     |
| 2463-03472        | 00000/0000                                     | 2-20024/1286     | 04/29/76              | 70                                 | 6448                                | 5310N        | 09646E       | 46.4              | 142.7       | GGGG                |                      | 150                     | 23                     |
| 2463-03474        | 00000/0000                                     | 2-20024/1287     | 04/29/76              | 60                                 | 6448                                | 5145N        | 09603E       | 47.2              | 141.0       | GGGG                |                      | 150                     | 24                     |
| 2463-03501        | 00000/0000                                     | 2-20024/1288     | 04/29/76              | 0                                  | 6448                                | 4313N        | 09226E       | 51.9              | 130.0       | GGGG                |                      | 150                     | 30                     |
| 2463-03590        | 00000/0000                                     | 2-20024/1289     | 04/29/76              | 30                                 | 6448                                | 1303N        | 08352E       | 55.4              | 83.3        | GGGG                |                      | 150                     | 51                     |
| 2463-03592        | 00000/0000                                     | 2-20024/1290     | 04/29/76              | 50                                 | 6448                                | 1136N        | 08331E       | 54.9              | 81.3        | GGFG                |                      | 150                     | 52                     |
| 2463-03595        | 00000/0000                                     | 2-20024/1291     | 04/29/76              | 60                                 | 6448                                | 1010N        | 08311E       | 54.5              | 79.3        | GGGG                |                      | 150                     | 53                     |
| 2463-05285        | 00000/0000                                     | 2-20024/1292     | 04/29/76              | 50                                 | 6449                                | 5844N        | 07418E       | 42.6              | 149.5       | GGGG                |                      | 168                     | 19                     |
| 2463-05292        | 00000/0000                                     | 2-20024/1293     | 04/29/76              | 70                                 | 6449                                | 5721N        | 07323E       | 43.6              | 147.8       | GGFF                |                      | 168                     | 20                     |
| 2463-05294        | 00000/0000                                     | 2-20024/1294     | 04/29/76              | 80                                 | 6449                                | 5557N        | 07231E       | 44.6              | 146.1       | GGGG                |                      | 168                     | 21                     |
| 2463-05301        | 00000/0000                                     | 2-20024/1295     | 04/29/76              | 70                                 | 6449                                | 5423N        | 07143E       | 45.5              | 144.4       | GGGG                |                      | 168                     | 22                     |
| 2463-05303        | 00000/0000                                     | 2-20024/1296     | 04/29/76              | 10                                 | 6447                                | 5309N        | 07057E       | 46.4              | 142.7       | GGGG                |                      | 168                     | 23                     |
| 2463-05310        | 00000/0000                                     | 2-20024/1297     | 04/29/76              | 0                                  | 6449                                | 5144N        | 07015E       | 47.3              | 141.0       | GGGG                |                      | 168                     | 24                     |
| 2463-05312        | 00000/0000                                     | 2-20024/1298     | 04/29/76              | 10                                 | 6449                                | 5019N        | 06934E       | 48.1              | 139.2       | GGGG                |                      | 168                     | 25                     |
| 2463-05315        | 00000/0000                                     | 2-20024/1299     | 04/29/76              | 50                                 | 6449                                | 4855N        | 06856E       | 48.9              | 137.4       | GGGG                |                      | 168                     | 26                     |
| 2463-05321        | 00000/0000                                     | 2-20024/1300     | 04/29/76              | 70                                 | 6449                                | 4730N        | 06820E       | 49.7              | 135.6       | GGGG                |                      | 168                     | 27                     |
| 2463-05324        | 00000/0000                                     | 2-20024/1301     | 04/29/76              | 60                                 | 6449                                | 4605N        | 06744E       | 50.5              | 133.8       | GGGG                |                      | 168                     | 28                     |
| 2463-05330        | 00000/0000                                     | 2-20024/1302     | 04/29/76              | 50                                 | 6449                                | 4499N        | 06710E       | 51.2              | 131.9       | GGGG                |                      | 168                     | 29                     |
| 2463-05333        | 00000/0000                                     | 2-20024/1303     | 04/29/76              | 50                                 | 6449                                | 4314N        | 06638E       | 51.9              | 130.0       | GGGG                |                      | 168                     | 30                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0192

| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2463-05335        | 00000/0000                                     | 2-20024/0978     | 04/29/76       | 10              | 6449                               | 4148N                               | 06607E       | 52.6         | 128.0                 | GGGG                |                      |                         |                        |
| 2463-05342        | 00000/0000                                     | 2-20024/0979     | 04/29/76       | 10              | 6449                               | 4022N                               | 06537E       | 53.2         | 126.0                 | GGGG                |                      | 168                     | 31                     |
| 2463-05344        | 00000/0000                                     | 2-20024/0980     | 04/29/76       | 10              | 6449                               | 3847N                               | 06507E       | 53.8         | 124.0                 | GGGG                |                      | 168                     | 32                     |
| 2463-05351        | 00000/0000                                     | 2-20024/0981     | 04/29/76       | 10              | 6449                               | 3721N                               | 06439E       | 54.3         | 121.9                 | GGGG                |                      | 168                     | 33                     |
| 2463-05374        | 00000/0000                                     | 2-20024/0982     | 04/29/76       | 0               | 6449                               | 2844N                               | 06204E       | 56.5         | 108.4                 | GGGG                |                      | 168                     | 34                     |
| 2463-05380        | 00000/0000                                     | 2-20024/0983     | 04/29/76       | 0               | 6449                               | 2728N                               | 06140E       | 56.7         | 106.1                 | GGGG                |                      | 168                     | 40                     |
| 2463-07115        | 00000/0000                                     | 2-20024/0923     | 04/29/76       | 60              | 6450                               | 6008N                               | 04926E       | 41.7         | 151.2                 | GGGG                |                      | 168                     | 41                     |
| 2463-07121        | 00000/0000                                     | 2-20024/0924     | 04/29/76       | 30              | 6450                               | 5845N                               | 04827E       | 42.7         | 149.5                 | GGGG                |                      | 186                     | 18                     |
| 2463-07124        | 00000/0000                                     | 2-20024/0925     | 04/29/76       | 20              | 6450                               | 5721N                               | 04733E       | 43.6         | 147.8                 | GGGG                |                      | 186                     | 19                     |
| 2463-07130        | 00000/0000                                     | 2-20024/0926     | 04/29/76       | 10              | 6450                               | 5547N                               | 04641E       | 44.6         | 146.1                 | GGGG                |                      | 186                     | 20                     |
| 2463-07133        | 00000/0000                                     | 2-20024/0927     | 04/29/76       | 60              | 6450                               | 5433N                               | 04553E       | 45.5         | 144.4                 | GGGG                |                      | 186                     | 21                     |
| 2463-07135        | 00000/0000                                     | 2-20024/0928     | 04/29/76       | 70              | 6450                               | 5308N                               | 04508E       | 46.4         | 142.7                 | GGGG                |                      | 186                     | 22                     |
| 2463-07142        | 00000/0000                                     | 2-20024/0929     | 04/29/76       | 90              | 6450                               | 5144N                               | 04425E       | 47.3         | 140.9                 | GGGG                |                      | 186                     | 23                     |
| 2463-07144        | 00000/0000                                     | 2-20024/0930     | 04/29/76       | 90              | 6450                               | 5020N                               | 04345E       | 48.1         | 139.2                 | GGGG                |                      | 186                     | 24                     |
| 2463-07151        | 00000/0000                                     | 2-20024/0931     | 04/29/76       | 80              | 6450                               | 4855N                               | 04307E       | 49.0         | 137.4                 | GGGG                |                      | 186                     | 25                     |
| 2463-07153        | 00000/0000                                     | 2-20024/0932     | 04/29/76       | 70              | 6450                               | 4730N                               | 04230E       | 49.7         | 135.6                 | GGGG                |                      | 186                     | 26                     |
| 2463-07160        | 00000/0000                                     | 2-20024/0933     | 04/29/76       | 60              | 6450                               | 4605N                               | 04156E       | 50.5         | 133.8                 | GGGG                |                      | 186                     | 27                     |
| 2463-07162        | 00000/0000                                     | 2-20024/0934     | 04/29/76       | 40              | 6450                               | 4439N                               | 04122E       | 51.2         | 131.9                 | GGGG                |                      | 186                     | 28                     |
| 2463-08532        | 00000/0000                                     | 2-20024/1014     | 04/29/76       | 40              | 6451                               | 6535N                               | 02826E       | 37.6         | 158.6                 | GGGG                |                      | 186                     | 29                     |
| 2463-08535        | 00000/0000                                     | 2-20024/1015     | 04/29/76       | 30              | 6451                               | 6414N                               | 02704E       | 38.7         | 156.6                 | GGGG                |                      | 204                     | 14                     |
| 2463-08541        | 00000/0000                                     | 2-20024/1016     | 04/29/76       | 30              | 6451                               | 6252N                               | 02550E       | 39.7         | 154.8                 | GGGG                |                      | 204                     | 15                     |
| 2463-08544        | 00000/0000                                     | 2-20024/1017     | 04/29/76       | 30              | 6451                               | 6130N                               | 02441E       | 40.7         | 153.0                 | GGGG                |                      | 204                     | 16                     |
| 2463-08550        | 00000/0000                                     | 2-20024/1018     | 04/29/76       | 20              | 6451                               | 6007N                               | 02336E       | 41.7         | 151.2                 | GGGG                |                      | 204                     | 17                     |
| 2463-08553        | 00000/0000                                     | 2-20024/1019     | 04/29/76       | 30              | 6451                               | 5843N                               | 02239E       | 42.7         | 149.5                 | GGGG                |                      | 204                     | 18                     |
| 2463-08555        | 00000/0000                                     | 2-20024/1020     | 04/29/76       | 40              | 6451                               | 5720N                               | 02145E       | 43.7         | 147.8                 | GGGG                |                      | 204                     | 19                     |
| 2463-08562        | 00000/0000                                     | 2-20024/1021     | 04/29/76       | 40              | 6451                               | 5546N                               | 02054E       | 44.6         | 146.1                 | GGGG                |                      | 204                     | 20                     |
| 2463-08564        | 00000/0000                                     | 2-20024/1022     | 04/29/76       | 50              | 6451                               | 5433N                               | 02006E       | 45.5         | 144.4                 | GGGG                |                      | 204                     | 21                     |
| 2463-09055        | 00000/0000                                     | 2-20024/1023     | 04/29/76       | 40              | 6451                               | 2309N                               | 00854E       | 56.9         | 98.9                  | GGGG                |                      | 204                     | 22                     |
| 2463-09062        | 00000/0000                                     | 2-20024/1024     | 04/29/76       | 20              | 6451                               | 2142N                               | 00832E       | 56.8         | 96.6                  | GGGG                |                      | 204                     | 44                     |
| 2463-09064        | 00000/0000                                     | 2-20024/1025     | 04/29/76       | 10              | 6451                               | 2016N                               | 00810E       | 56.7         | 94.3                  | GGGG                |                      | 204                     | 45                     |
| 2463-09071        | 00000/0000                                     | 2-20024/1026     | 04/29/76       | 10              | 6451                               | 1849N                               | 00748E       | 56.6         | 92.0                  | GGGG                |                      | 204                     | 46                     |
| 2463-09073        | 00000/0000                                     | 2-20024/1027     | 04/29/76       | 0               | 6451                               | 1722N                               | 00727E       | 56.3         | 89.7                  | GGGG                |                      | 204                     | 47                     |
| 2463-09080        | 00000/0000                                     | 2-20024/1028     | 04/29/76       | 10              | 6451                               | 1555N                               | 00706E       | 56.1         | 87.5                  | GGGG                |                      | 204                     | 48                     |
| 2463-09082        | 00000/0000                                     | 2-20024/1029     | 04/29/76       | 10              | 6451                               | 1428N                               | 00645E       | 55.7         | 85.3                  | GGGG                |                      | 204                     | 49                     |
| 2463-09085        | 00000/0000                                     | 2-20024/0985     | 04/29/76       | 20              | 6451                               | 1301N                               | 00624E       | 55.4         | 83.2                  | GGGG                |                      | 204                     | 50                     |
| 2463-09091        | 00000/0000                                     | 2-20024/0986     | 04/29/76       | 10              | 6451                               | 1134N                               | 00603E       | 54.9         | 81.1                  | GGGG                |                      | 204                     | 51                     |
|                   |                                                |                  |                |                 |                                    |                                     |              |              |                       |                     |                      | 204                     | 52                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 29, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

PAGE 0193

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>PRINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>PRINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|---------------------------------------|----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                              |                             |                  |                |                 |                                       |                                        |              |              | 123 45678             |                     |                      |                         |                        |
| 2463-03094        | 00000/0000                   | 2-20024/0987                | 04/29/76         | 0              | 4451            | 1009N                                 | 00543E                                 | 54.5         | 79.1         | GGGG                  |                     |                      | 204                     | 53                     |
| 2463-10323        | 00000/0000                   | 2-20024/0988                | 04/29/76         | 50             | 4452            | 7749N                                 | 03016E                                 | 26.6         | 190.0        | GGGG                  |                     |                      | 221                     | 4                      |
| 2463-10325        | 00000/0000                   | 2-20024/0989                | 04/29/76         | 50             | 4452            | 7648N                                 | 02528E                                 | 27.7         | 185.0        | GGGG                  |                     |                      | 221                     | 5                      |
| 2463-10332        | 00000/0000                   | 2-20024/0990                | 04/29/76         | 60             | 4452            | 7542N                                 | 02122E                                 | 28.9         | 180.6        | GGGG                  |                     |                      | 222                     | 6                      |
| 2463-10391        | 00000/0000                   | 2-20024/0991                | 04/29/76         | 30             | 4452            | 2377N                                 | 01654W                                 | 56.9         | 98.9         | GGGG                  |                     |                      | 222                     | 44                     |
| 2463-10493        | 00000/0000                   | 2-20024/0992                | 04/29/76         | 60             | 4452            | 2141N                                 | 01716W                                 | 56.8         | 96.5         | GGGG                  |                     | H                    | 222                     | 45                     |
| 2463-12143        | 00000/0000                   | 2-20024/0993                | 04/29/76         | 10             | 4453            | 8016N                                 | 02410E                                 | 23.1         | 210.4        | FGGG                  |                     |                      | 226                     | 248                    |
| 2463-12145        | 00000/0000                   | 2-20024/0994                | 04/29/76         | 20             | 4453            | 7976N                                 | 01638E                                 | 24.3         | 202.8        | FGGG                  |                     |                      | 239                     | 2                      |
| 2463-12152        | 00000/0000                   | 2-20024/0995                | 04/29/76         | 30             | 4453            | 7848N                                 | 01006E                                 | 25.4         | 196.1        | GGGG                  |                     |                      | 239                     | 3                      |
| 2463-12154        | 00000/0000                   | 2-20024/0996                | 04/29/76         | 60             | 4453            | 7752N                                 | 00429E                                 | 26.6         | 190.2        | GGGG                  |                     |                      | 239                     | 4                      |
| 2463-12161        | 00000/0000                   | 2-20024/0997                | 04/29/76         | 50             | 4453            | 7651N                                 | 00018W                                 | 27.7         | 185.1        | GGGG                  |                     |                      | 239                     | 5                      |
| 2463-14015        | 00000/0000                   | 2-20024/0998                | 04/29/76         | 100            | 4454            | 6936N                                 | 04356W                                 | 34.4         | 165.1        | GGFG                  |                     |                      | 7                       | 11                     |
| 2463-14022        | 00000/0000                   | 2-20024/0999                | 04/29/76         | 100            | 4454            | 6818N                                 | 04548W                                 | 35.5         | 162.8        | GFFG                  |                     |                      | 7                       | 12                     |
| 2463-14024        | 00000/0000                   | 2-20024/1000                | 04/29/76         | 100            | 4454            | 6658N                                 | 04728W                                 | 36.6         | 160.7        | GFFG                  |                     |                      | 7                       | 13                     |
| 2463-14054        | 00000/0000                   | 2-20024/0935                | 04/29/76         | 90             | 4454            | 5723N                                 | 05541W                                 | 43.7         | 147.8        | GGGG                  |                     |                      | 7                       | 20                     |
| 2463-14060        | 00000/0000                   | 2-20024/0936                | 04/29/76         | 100            | 4454            | 5559N                                 | 05633W                                 | 44.6         | 146.1        | GGGG                  |                     |                      | 7                       | 21                     |
| 2463-14063        | 00000/0000                   | 2-20024/0937                | 04/29/76         | 100            | 4454            | 5425N                                 | 05721W                                 | 45.6         | 144.4        | FGGG                  |                     |                      | 7                       | 22                     |
| 2463-15510        | 00000/0000                   | 2-20024/0938                | 04/29/76         | 30             | 4455            | 5021N                                 | 08517W                                 | 48.2         | 139.2        | FGFG                  |                     |                      | 25                      | 25                     |
| 2463-17333        | 00000/0000                   | 2-20024/0247                | 04/29/76         | 0              | 4456            | 5310N                                 | 10942W                                 | 46.5         | 142.6        | GGGG                  |                     |                      | 43                      | 23                     |
| 2463-17335        | 00000/0000                   | 2-20024/0248                | 04/29/76         | 10             | 4456            | 5146N                                 | 11025W                                 | 47.4         | 140.9        | GGGG                  |                     |                      | 43                      | 24                     |
| 2463-17342        | 00000/0000                   | 2-20024/0249                | 04/29/76         | 50             | 4456            | 5021N                                 | 11106W                                 | 48.2         | 139.2        | FGFG                  |                     |                      | 43                      | 25                     |
| 2464-02053        | 00000/0000                   | 2-20024/1030                | 04/30/76         | 40             | 4461            | 5721N                                 | 12334E                                 | 43.9         | 147.7        | GGGG                  |                     |                      | 133                     | 20                     |
| 2464-02104        | 00000/0000                   | 2-20024/1031                | 04/30/76         | 60             | 4461            | 5018N                                 | 11946E                                 | 48.4         | 139.1        | GGGG                  |                     |                      | 133                     | 25                     |
| 2464-02110        | 00000/0000                   | 2-20024/1032                | 04/30/76         | 50             | 4461            | 4854N                                 | 11908E                                 | 49.2         | 137.3        | GGGG                  |                     |                      | 133                     | 26                     |
| 2464-02124        | 00000/0000                   | 2-20024/1033                | 04/30/76         | 20             | 4461            | 4313N                                 | 11649E                                 | 52.1         | 129.8        | FGGG                  |                     |                      | 133                     | 30                     |
| 2464-02131        | 00000/0000                   | 2-20024/0742                | 04/30/76         | 20             | 4461            | 4147N                                 | 11618E                                 | 52.8         | 127.8        | G                     |                     |                      | 133                     | 31                     |
| 2464-02133        | 00000/0000                   | 2-20024/0743                | 04/30/76         | 10             | 4461            | 4022N                                 | 11548E                                 | 53.4         | 125.7        | GGG                   |                     |                      | 133                     | 32                     |
| 2464-02140        | 00000/0000                   | 2-20024/0744                | 04/30/76         | 10             | 4461            | 3856N                                 | 11519E                                 | 54.0         | 123.7        | GGG                   |                     |                      | 133                     | 33                     |
| 2464-02142        | 00000/0000                   | 2-20024/0745                | 04/30/76         | 10             | 4461            | 3730N                                 | 11451E                                 | 54.5         | 121.5        | GGGG                  |                     |                      | 133                     | 34                     |
| 2464-02145        | 00000/0000                   | 2-20024/0746                | 04/30/76         | 20             | 4461            | 3604N                                 | 11424E                                 | 55.0         | 119.4        | GGGG                  |                     |                      | 133                     | 35                     |
| 2464-02151        | 00000/0000                   | 2-20024/0747                | 04/30/76         | 50             | 4461            | 3439N                                 | 11357E                                 | 55.4         | 117.2        | GGGG                  |                     |                      | 133                     | 36                     |
| 2464-02154        | 00000/0000                   | 2-20024/0748                | 04/30/76         | 20             | 4461            | 3313N                                 | 11332E                                 | 55.8         | 114.9        | GGGG                  |                     |                      | 133                     | 37                     |
| 2464-02160        | 00000/0000                   | 2-20024/0749                | 04/30/76         | 20             | 4461            | 3147N                                 | 11307E                                 | 56.1         | 112.7        | GGGG                  |                     |                      | 133                     | 38                     |
| 2464-02163        | 00000/0000                   | 2-20024/0750                | 04/30/76         | 10             | 4461            | 3021N                                 | 11243E                                 | 56.4         | 110.3        | GGGG                  |                     |                      | 133                     | 39                     |
| 2464-02165        | 00000/0000                   | 2-20024/0751                | 04/30/76         | 10             | 4461            | 2855N                                 | 11218E                                 | 56.6         | 108.0        | FGGG                  |                     |                      | 133                     | 40                     |
| 2464-02172        | 00000/0000                   | 2-20024/0752                | 04/30/76         | 20             | 4461            | 2728N                                 | 11154E                                 | 56.8         | 105.7        | GGGG                  |                     |                      | 133                     | 41                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANOSAT-2  
OBSERVATION TO LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0194

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO.<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|-----------------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2464-02174        | 00000/0000                   | 2-20024/0753               | 04/30/76         | 40                    | 6461                               | 2601N                               | 11131E       | 56.9         | 103.3                              | GGGG                |                      | 133                     | 42                     |
| 2464-02191        | 00000/0000                   | 2-20024/0754               | 04/30/76         | 80                    | 6461                               | 2435N                               | 11108E       | 57.0         | 100.9                              | GGGG                |                      | 133                     | 43                     |
| 2464-03512        | 00000/0000                   | 2-20024/0755               | 04/30/76         | 80                    | 6462                               | 5844N                               | 09841E       | 42.9         | 149.4                              | GGGG                |                      | 151                     | 19                     |
| 2464-03515        | 00000/0000                   | 2-20024/0756               | 04/30/76         | 70                    | 6462                               | 5720N                               | 09746E       | 43.9         | 147.7                              | GGGG                |                      | 151                     | 20                     |
| 2464-03521        | 00000/0000                   | 2-20024/0757               | 04/30/76         | 80                    | 6462                               | 5556N                               | 09655E       | 44.8         | 146.0                              | GGGG                |                      | 151                     | 21                     |
| 2464-03524        | 00000/0000                   | 2-20024/0758               | 04/30/76         | 80                    | 6462                               | 5472N                               | 09607E       | 45.8         | 144.3                              | GGGG                |                      | 151                     | 22                     |
| 2464-03530        | 00000/0000                   | 2-20024/0759               | 04/30/76         | 50                    | 6462                               | 5308N                               | 09522E       | 46.7         | 142.5                              | GGGG                |                      | 151                     | 23                     |
| 2464-03533        | 00000/0000                   | 2-20024/0760               | 04/30/76         | 10                    | 6462                               | 5143N                               | 09439E       | 47.5         | 140.8                              | GGGG                |                      | 151                     | 24                     |
| 2464-03560        | 00000/0000                   | 2-20024/0761               | 04/30/76         | 60                    | 6462                               | 4313N                               | 09101E       | 52.2         | 129.7                              | GGGG                |                      | 151                     | 30                     |
| 2464-03534        | 00000/0000                   | 2-20024/0761               | 04/30/76         | 10                    | 6463                               | 5846N                               | 07252E       | 42.9         | 149.5                              | GGGG                |                      | 169                     | 19                     |
| 2464-03535        | 00000/0000                   | 2-20024/0761               | 04/30/76         | 10                    | 6463                               | 5723N                               | 07158E       | 43.9         | 147.8                              | GGGG                |                      | 169                     | 20                     |
| 2464-03535        | 00000/0000                   | 2-20024/0762               | 04/30/76         | 10                    | 6463                               | 5600N                               | 07107E       | 44.8         | 146.0                              | GGGG                |                      | 169                     | 21                     |
| 2464-03535        | 00000/0000                   | 2-20024/0763               | 04/30/76         | 0                     | 6463                               | 5495N                               | 07019E       | 45.8         | 144.3                              | GGGG                |                      | 169                     | 22                     |
| 2464-03562        | 00000/0000                   | 2-20024/0764               | 04/30/76         | 0                     | 6463                               | 5311N                               | 06933E       | 46.7         | 142.6                              | GGGG                |                      | 169                     | 23                     |
| 2464-03564        | 00000/0000                   | 2-20024/0765               | 04/30/76         | 10                    | 6463                               | 5146N                               | 06850E       | 47.5         | 140.9                              | GGGG                |                      | 169                     | 24                     |
| 2464-03571        | 00000/0000                   | 2-20024/0766               | 04/30/76         | 30                    | 6463                               | 5021N                               | 06809E       | 48.4         | 139.1                              | GGGG                |                      | 169                     | 25                     |
| 2464-03573        | 00000/0000                   | 2-20024/0767               | 04/30/76         | 60                    | 6463                               | 4856N                               | 06730E       | 49.2         | 137.3                              | GGGG                |                      | 169                     | 26                     |
| 2464-03580        | 00000/0000                   | 2-20024/0768               | 04/30/76         | 70                    | 6463                               | 4731N                               | 06653E       | 50.0         | 135.5                              | GGGG                |                      | 169                     | 27                     |
| 2464-03582        | 00000/0000                   | 2-20024/0769               | 04/30/76         | 80                    | 6463                               | 4606N                               | 06618E       | 50.7         | 133.6                              | GGGG                |                      | 169                     | 28                     |
| 2464-03585        | 00000/0000                   | 2-20024/0770               | 04/30/76         | 50                    | 6463                               | 4441N                               | 06544E       | 51.5         | 131.7                              | GGGG                |                      | 169                     | 29                     |
| 2464-03591        | 00000/0000                   | 2-20024/0771               | 04/30/76         | 20                    | 6463                               | 4316N                               | 06512E       | 52.2         | 129.8                              | GGGG                |                      | 169                     | 30                     |
| 2464-03594        | 00000/0000                   | 2-20024/0772               | 04/30/76         | 40                    | 6463                               | 4150N                               | 06441E       | 52.8         | 127.8                              | GGGG                |                      | 169                     | 31                     |
| 2464-03540        | 00000/0000                   | 2-20024/0773               | 04/30/76         | 10                    | 6463                               | 4025N                               | 06410E       | 53.4         | 125.8                              | GGGG                |                      | 169                     | 32                     |
| 2464-03540        | 00000/0000                   | 2-20024/0774               | 04/30/76         | 10                    | 6463                               | 3859N                               | 06341E       | 54.0         | 123.7                              | GGGG                |                      | 169                     | 33                     |
| 2464-03545        | 00000/0000                   | 2-20024/0775               | 04/30/76         | 10                    | 6463                               | 3733N                               | 06313E       | 54.5         | 121.6                              | GGGG                |                      | 169                     | 34                     |
| 2464-03542        | 00000/0000                   | 2-20024/0776               | 04/30/76         | 10                    | 6463                               | 3607N                               | 06246E       | 55.0         | 119.4                              | GGGG                |                      | 169                     | 35                     |
| 2464-03541        | 00000/0000                   | 2-20024/0777               | 04/30/76         | 0                     | 6463                               | 3441N                               | 06219E       | 55.4         | 117.2                              | GGGG                |                      | 169                     | 36                     |
| 2464-03521        | 00000/0000                   | 2-20024/0778               | 04/30/76         | 0                     | 6463                               | 3315N                               | 06153E       | 55.8         | 115.0                              | GGGG                |                      | 169                     | 37                     |
| 2464-03523        | 00000/0000                   | 2-20024/0779               | 04/30/76         | 0                     | 6463                               | 3149N                               | 06128E       | 56.2         | 112.7                              | GGGG                |                      | 169                     | 38                     |
| 2464-03530        | 00000/0000                   | 2-20024/0780               | 04/30/76         | 0                     | 6463                               | 3023N                               | 06103E       | 56.4         | 110.4                              | GGGG                |                      | 169                     | 39                     |
| 2464-03532        | 00000/0000                   | 2-20024/0781               | 04/30/76         | 0                     | 6463                               | 2857N                               | 06038E       | 56.7         | 108.0                              | GGGG                |                      | 169                     | 40                     |
| 2464-03535        | 00000/0000                   | 2-20024/0782               | 04/30/76         | 0                     | 6463                               | 2720N                               | 06014E       | 56.8         | 105.7                              | GGGG                |                      | 169                     | 41                     |
| 2464-03541        | 00000/0000                   | 2-20024/0783               | 04/30/76         | 0                     | 6463                               | 2644N                               | 05951E       | 56.9         | 103.3                              | GGGG                |                      | 169                     | 42                     |
| 2464-07170        | 00000/0000                   | 2-20024/1001               | 04/30/76         | 90                    | 6464                               | 6132N                               | 04907E       | 41.0         | 153.0                              | GGGG                |                      | 187                     | 17                     |
| 2464-07173        | 00000/0000                   | 2-20024/1002               | 04/30/76         | 90                    | 6464                               | 6010N                               | 04804E       | 42.0         | 151.2                              | GGGG                |                      | 187                     | 18                     |
| 2464-07175        | 00000/0000                   | 2-20024/1003               | 04/30/76         | 90                    | 6464                               | 5846N                               | 04706E       | 43.0         | 149.5                              | GGGG                |                      | 187                     | 19                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=RAWD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIL.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO.<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA<br>MODE | MSS<br>MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RAW<br>NUMBER |
|-------------------|-----------------------------------------------|------------------|----------------|------------------|------------------------------|-------------------------------|--------------|--------------|-------------------|----------------------------|-----------------------------|-------------------------|------------------------|
| 2464-07182        | 00000/0000                                    | 2-20024/1004     | 04/30/76       | 90               | 6464                         | 5723N                         | 04611E       | 43.9         | 147.7             | GGGG                       |                             | 187                     | 20                     |
| 2464-07184        | 00000/0000                                    | 2-20024/1005     | 04/30/76       | 90               | 6464                         | 5600N                         | 04519E       | 44.9         | 146.0             | GGGG                       |                             | 187                     | 21                     |
| 2464-07191        | 00000/0000                                    | 2-20024/1006     | 04/30/76       | 70               | 6464                         | 5495N                         | 04431E       | 45.8         | 144.3             | GGGG                       |                             | 187                     | 22                     |
| 2464-07193        | 00000/0000                                    | 2-20024/1007     | 04/30/76       | 30               | 6464                         | 5310N                         | 04346E       | 46.7         | 142.6             | GGGG                       |                             | 187                     | 23                     |
| 2464-07200        | 00000/0000                                    | 2-20024/1008     | 04/30/76       | 20               | 6464                         | 5147N                         | 04303E       | 47.6         | 140.8             | GGGG                       |                             | 187                     | 24                     |
| 2464-07202        | 00000/0000                                    | 2-20024/1009     | 04/30/76       | 50               | 6464                         | 5022N                         | 04222E       | 48.4         | 139.1             | FGGG                       |                             | 187                     | 25                     |
| 2464-07205        | 00000/0000                                    | 2-20024/1010     | 04/30/76       | 30               | 6464                         | 4857N                         | 04143E       | 49.2         | 137.3             | GGGG                       |                             | 187                     | 26                     |
| 2464-07211        | 00000/0000                                    | 2-20024/1011     | 04/30/76       | 10               | 6464                         | 4732N                         | 04106E       | 50.0         | 135.5             | GGGG                       |                             | 187                     | 27                     |
| 2464-07214        | 00000/0000                                    | 2-20024/1012     | 04/30/76       | 30               | 6464                         | 4607N                         | 04031E       | 50.8         | 133.6             | GGGG                       |                             | 187                     | 28                     |
| 2464-07220        | 00000/0000                                    | 2-20024/1013     | 04/30/76       | 20               | 6464                         | 4442N                         | 03958E       | 51.5         | 131.7             | GGGG                       |                             | 187                     | 29                     |
| 2464-09120        | 00000/0000                                    | 2-20024/1012     | 04/30/76       | 0                | 6465                         | 2145N                         | 00706E       | 57.0         | 96.1              | GGGG                       |                             | 205                     | 45                     |
| 2464-09122        | 00000/0000                                    | 2-20024/1034     | 04/30/76       | 30               | 6465                         | 2018N                         | 00644E       | 56.8         | 93.8              | GGGG                       |                             | 205                     | 46                     |
| 2464-09125        | 00000/0000                                    | 2-20024/1035     | 04/30/76       | 60               | 6465                         | 1851N                         | 00622E       | 56.7         | 91.5              | GGGG                       |                             | 205                     | 47                     |
| 2464-09131        | 00000/0000                                    | 2-20024/1036     | 04/30/76       | 40               | 6465                         | 1724N                         | 00601E       | 56.4         | 89.2              | FGGG                       |                             | 205                     | 48                     |
| 2464-09134        | 00000/0000                                    | 2-20024/1037     | 04/30/76       | 10               | 6465                         | 1557N                         | 00539E       | 56.1         | 87.0              | GGGG                       |                             | 205                     | 49                     |
| 2464-09140        | 00000/0000                                    | 2-20024/1038     | 04/30/76       | 60               | 6465                         | 1431N                         | 00518E       | 55.8         | 84.8              | GGGG                       |                             | 205                     | 50                     |
| 2464-09143        | 00000/0000                                    | 2-20024/1209     | 04/30/76       | 70               | 6465                         | 1305N                         | 00457E       | 55.4         | 82.7              | GGGF                       |                             | 205                     | 51                     |
| 2464-10374        | 00000/0000                                    | 2-20024/1210     | 04/30/76       | 40               | 6466                         | 7846N                         | 03438E       | 25.7         | 196.0             | GGGG                       |                             | 222                     | 3                      |
| 2464-10381        | 00000/0000                                    | 2-20024/1211     | 04/30/76       | 60               | 6466                         | 7751N                         | 02901E       | 26.9         | 190.2             | GGGG                       |                             | 222                     | 4                      |
| 2464-10390        | 00000/0000                                    | 2-20024/1212     | 04/30/76       | 70               | 6466                         | 7544N                         | 02002E       | 29.2         | 180.7             | GGGG                       |                             | 222                     | 6                      |
| 2464-10545        | 00000/0000                                    | 2-20024/1213     | 04/30/76       | 10               | 6466                         | 2310N                         | 01821W       | 57.0         | 98.4              | FGGG                       |                             | 223                     | 44                     |
| 2464-10551        | 00000/0000                                    | 2-20024/1214     | 04/30/76       | 10               | 6466                         | 2144N                         | 01842W       | 57.0         | 96.1              | FGGG                       | H                           | 223                     | 45                     |
| 2464-10554        | 00000/0000                                    | 2-20024/1190     | 04/30/76       | 30               | 6466                         | 2018N                         | 01904W       | 56.8         | 93.7              | GGGG                       | H                           | 223                     | 46                     |
| 2464-10560        | 00000/0000                                    | 2-20024/1191     | 04/30/76       | 20               | 6466                         | 1851N                         | 01925W       | 56.7         | 91.4              | FFGG                       | H                           | 223                     | 47                     |
| 2464-12204        | 00000/0000                                    | 2-20024/1192     | 04/30/76       | 20               | 6467                         | 7926N                         | 01507E       | 24.6         | 202.7             | GGGG                       |                             | 240                     | 2                      |
| 2464-12210        | 00000/0000                                    | 2-20024/1193     | 04/30/76       | 40               | 6467                         | 7847N                         | 00836E       | 25.7         | 196.0             | GGGG                       |                             | 240                     | 3                      |
| 2464-12213        | 00000/0000                                    | 2-20024/1194     | 04/30/76       | 50               | 6467                         | 7751N                         | 00259E       | 26.9         | 190.2             | GGGG                       |                             | 240                     | 4                      |
| 2464-12215        | 00000/0000                                    | 2-20024/1195     | 04/30/76       | 60               | 6467                         | 7650N                         | 00148W       | 28.0         | 185.1             | GGGG                       |                             | 240                     | 5                      |
| 2464-14033        | 00000/0000                                    | 2-20024/1196     | 04/30/76       | 20               | 6468                         | 8015N                         | 00309W       | 23.4         | 210.3             | GGGG                       |                             | 7                       | 1                      |
| 2464-14035        | 00000/0000                                    | 2-20024/1197     | 04/30/76       | 10               | 6468                         | 7935N                         | 01038W       | 24.6         | 202.7             | GGGG                       |                             | 7                       | 2                      |
| 2464-14042        | 00000/0000                                    | 2-20024/1198     | 04/30/76       | 10               | 6468                         | 7846N                         | 01709W       | 25.8         | 196.0             | FGGF                       |                             | 7                       | 3                      |
| 2464-14044        | 00000/0000                                    | 2-20024/1199     | 04/30/76       | 0                | 6468                         | 7751N                         | 02246W       | 26.9         | 190.1             | GGGG                       |                             | 7                       | 4                      |
| 2464-14051        | 00000/0000                                    | 2-20024/1200     | 04/30/76       | 10               | 6468                         | 7649N                         | 02736W       | 28.1         | 185.1             | GGGG                       |                             | 7                       | 5                      |
| 2464-14053        | 00000/0000                                    | 2-20024/1201     | 04/30/76       | 10               | 6468                         | 7543N                         | 03143W       | 29.2         | 180.7             | GGFG                       |                             | 8                       | 6                      |
| 2464-14060        | 00000/0000                                    | 2-20024/1202     | 04/30/76       | 0                | 6468                         | 7434N                         | 03515W       | 30.3         | 176.8             | GFFF                       |                             | 8                       | 7                      |
| 2464-14074        | 00000/0000                                    | 2-20024/1203     | 04/30/76       | 0                | 6468                         | 6934N                         | 04524W       | 34.8         | 165.1             | GGGG                       |                             | 8                       | 11                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANKS=BAD) NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FR34 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>ABV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2464-14112        | 00000/0000                   | 2-20024/0187                | 04/30/76         | 90             | 6468             | 5721N                        | 05708W        | 44.0         | 147.7        | GFGG                               |                     |                      | 8                       | 20                     |
| 2464-14113        | 00000/0000                   | 2-20024/0188                | 04/30/76         | 90             | 6468             | 5557N                        | 05800W        | 45.0         | 146.0        | FGGF                               |                     |                      | 8                       | 21                     |
| 2464-14121        | 00000/0000                   | 2-20024/0189                | 04/30/76         | 90             | 6468             | 5423N                        | 05848W        | 45.9         | 144.2        | GFGG                               |                     |                      | 8                       | 22                     |
| 2464-14234        | 00000/0000                   | 2-20024/1215                | 04/30/76         | 90             | 6468             | 0544S                        | 07649W        | 46.5         | 61.2         | GGGF                               |                     |                      | 8                       | 64                     |
| 2464-14301        | 00000/0000                   | 2-20024/1216                | 04/30/76         | 80             | 6468             | 0710S                        | 07709W        | 45.6         | 60.0         | GGGF                               |                     |                      | 8                       | 65                     |
| 2464-14303        | 00000/0000                   | 2-20024/1217                | 04/30/76         | 50             | 6468             | 0837S                        | 07729W        | 44.6         | 58.9         | GFGG                               |                     |                      | 8                       | 66                     |
| 2464-14310        | 00000/0000                   | 2-20024/1218                | 04/30/76         | 50             | 6468             | 1004S                        | 07749W        | 43.7         | 57.9         | GFGG                               |                     |                      | 8                       | 67                     |
| 2464-15482        | 00000/0000                   | 2-20024/1219                | 04/30/76         | 0              | 6469             | 7649N                        | 05322W        | 28.1         | 185.1        | FGGF                               |                     |                      | 25                      | 5                      |
| 2464-15562        | 00000/0000                   | 2-20024/1204                | 04/30/76         | 50             | 6469             | 5144N                        | 08604W        | 47.7         | 140.8        | FGGG                               |                     |                      | 26                      | 24                     |
| 2464-15564        | 00000/0000                   | 2-20024/1205                | 04/30/76         | 40             | 6469             | 5020N                        | 08644W        | 48.5         | 139.0        | GGFG                               |                     |                      | 26                      | 25                     |
| 2464-16044        | 00000/0000                   | 2-20024/1549                | 04/30/76         | 60             | 6469             | 2310N                        | 09546W        | 57.0         | 98.3         | GGGG                               |                     |                      | 26                      | 44                     |
| 2464-16050        | 00000/0000                   | 2-20024/1550                | 04/30/76         | 40             | 6469             | 2143N                        | 09608W        | 57.0         | 95.9         | GGGG                               |                     |                      | 26                      | 45                     |
| 2464-16053        | 00000/0000                   | 2-20024/1551                | 04/30/76         | 30             | 6469             | 2017N                        | 09630W        | 56.9         | 93.6         | GGGG                               |                     |                      | 26                      | 46                     |
| 2464-16055        | 00000/0000                   | 2-20024/1220                | 04/30/76         | 60             | 6469             | 1851N                        | 09651W        | 56.7         | 91.3         | FGGG                               |                     |                      | 26                      | 47                     |
| 2464-17393        | 00000/0000                   | 2-20024/0698                | 04/30/76         | 0              | 6470             | 5144N                        | 11152W        | 47.7         | 140.7        | G G                                |                     |                      | 44                      | 24                     |
| 2464-17400        | 00000/0000                   | 2-20024/0699                | 04/30/76         | 0              | 6470             | 5020N                        | 11233W        | 48.5         | 139.0        | GGGG                               |                     |                      | 44                      | 25                     |
| 2464-20570        | 00000/0000                   | 2-20024/1201                | 04/30/76         | 10             | 6472             | 7915N                        | 11357W        | 24.7         | 202.6        | GFGG                               |                     |                      | 79                      | 2                      |
| 2464-20572        | 00000/0000                   | 2-20024/1202                | 04/30/76         | 10             | 6472             | 7847N                        | 12027W        | 25.9         | 195.9        | GFGG                               |                     |                      | 79                      | 3                      |
| 2464-20575        | 00000/0000                   | 2-20024/1203                | 04/30/76         | 20             | 6472             | 7741N                        | 12605W        | 27.0         | 190.1        | FFFG                               |                     |                      | 79                      | 4                      |
| 2464-20581        | 00000/0000                   | 2-20024/1204                | 04/30/76         | 30             | 6472             | 7649N                        | 13053W        | 28.2         | 185.1        | GGGG                               |                     |                      | 79                      | 5                      |
| 2464-20584        | 00000/0000                   | 2-20024/1205                | 04/30/76         | 30             | 6472             | 7543N                        | 13500W        | 29.3         | 180.7        | GGGG                               |                     |                      | 80                      | 6                      |
| 2464-20590        | 00000/0000                   | 2-20024/1206                | 04/30/76         | 10             | 6472             | 7444N                        | 13832W        | 30.4         | 176.8        | GGGG                               |                     |                      | 80                      | 7                      |
| 2464-20593        | 00000/0000                   | 2-20024/1207                | 04/30/76         | 10             | 6472             | 7321N                        | 14136W        | 31.6         | 173.4        | GGGG                               |                     |                      | 80                      | 8                      |
| 2464-20595        | 00000/0000                   | 2-20024/1208                | 04/30/76         | 10             | 6472             | 7248N                        | 14416W        | 32.7         | 170.4        | GGGG                               |                     |                      | 80                      | 9                      |
| 2465-02162        | 00000/0000                   | 2-20024/1039                | 05/01/76         | 90             | 6475             | 5021N                        | 11821E        | 48.6         | 138.9        | GGGG                               |                     |                      | 134                     | 25                     |
| 2465-02164        | 00000/0000                   | 2-20024/1040                | 05/01/76         | 90             | 6475             | 4856N                        | 11743E        | 49.4         | 137.1        | GGGG                               |                     |                      | 134                     | 26                     |
| 2465-02182        | 00000/0000                   | 2-20024/1041                | 05/01/76         | 10             | 6475             | 4315N                        | 11524E        | 52.4         | 129.5        | GGGG                               |                     |                      | 134                     | 30                     |
| 2465-02185        | 00000/0000                   | 2-20024/1042                | 05/01/76         | 10             | 6475             | 4150N                        | 11453E        | 53.0         | 127.5        | GGGG                               |                     |                      | 134                     | 31                     |
| 2465-02191        | 00000/0000                   | 2-20024/1043                | 05/01/76         | 70             | 6475             | 4024N                        | 11423E        | 53.6         | 125.5        | GGGG                               |                     |                      | 134                     | 32                     |
| 2465-02194        | 00000/0000                   | 2-20024/1044                | 05/01/76         | 70             | 6475             | 3858N                        | 11353E        | 54.2         | 123.4        | GGGG                               |                     |                      | 134                     | 33                     |
| 2465-02200        | 00000/0000                   | 2-20024/1045                | 05/01/76         | 70             | 6475             | 3733N                        | 11326E        | 54.7         | 121.3        | GGGG                               |                     |                      | 134                     | 34                     |
| 2465-02203        | 00000/0000                   | 2-20024/1046                | 05/01/76         | 70             | 6475             | 3607N                        | 11259E        | 55.2         | 119.1        | GGGG                               |                     |                      | 134                     | 35                     |
| 2465-02205        | 00000/0000                   | 2-20024/1047                | 05/01/76         | 90             | 6475             | 3441N                        | 11233E        | 55.6         | 116.9        | GGGG                               |                     |                      | 134                     | 36                     |
| 2465-02212        | 00000/0000                   | 2-20024/1048                | 05/01/76         | 100            | 6475             | 3315N                        | 11207E        | 56.0         | 114.6        | GGGG                               |                     |                      | 134                     | 37                     |
| 2465-02214        | 00000/0000                   | 2-20024/1049                | 05/01/76         | 100            | 6475             | 3149N                        | 11141E        | 56.3         | 112.3        | GGGF                               |                     |                      | 134                     | 38                     |
| 2465-02221        | 00000/0000                   | 2-20024/1050                | 05/01/76         | 100            | 6475             | 3023N                        | 11117E        | 56.6         | 110.0        | GGGF                               |                     |                      | 134                     | 39                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0197

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2465-02223        | 00000/0000                   | 2-20024/1051                | 05/01/76         | 100            | 6475            | 2857N                        | 11052E        | 56.8         | 107.6        | GGGG                               |                     |                      | 134                     | 40                     |
| 2465-02230        | 00000/0000                   | 2-20024/1052                | 05/01/76         | 100            | 6475            | 2730N                        | 11028E        | 57.0         | 105.2        | GGGG                               |                     |                      | 134                     | 41                     |
| 2465-03570        | 00000/0000                   | 2-20024/0815                | 05/01/76         | 0              | 6476            | 5846N                        | 09716E        | 43.2         | 149.4        | GGGG                               |                     |                      | 152                     | 19                     |
| 2465-03573        | 00000/0000                   | 2-20024/0816                | 05/01/76         | 10             | 6476            | 5723N                        | 09621E        | 44.2         | 147.6        | GGGG                               |                     |                      | 152                     | 20                     |
| 2465-03575        | 00000/0000                   | 2-20024/0817                | 05/01/76         | 10             | 6476            | 5559N                        | 09530E        | 45.1         | 145.9        | GGGG                               |                     |                      | 152                     | 21                     |
| 2465-03582        | 00000/0000                   | 2-20024/0818                | 05/01/76         | 40             | 6476            | 5434N                        | 09442E        | 46.0         | 144.2        | GGGG                               |                     |                      | 152                     | 22                     |
| 2465-03584        | 00000/0000                   | 2-20024/0819                | 05/01/76         | 40             | 6476            | 5310N                        | 09356E        | 46.9         | 142.4        | GGGG                               |                     |                      | 152                     | 23                     |
| 2465-03591        | 00000/0000                   | 2-20024/0820                | 05/01/76         | 80             | 6476            | 5145N                        | 09314E        | 47.8         | 140.7        | GGGG                               |                     |                      | 152                     | 24                     |
| 2465-04011        | 00000/0000                   | 2-20024/0821                | 05/01/76         | 0              | 6476            | 4440N                        | 09007E        | 51.7         | 131.5        | GGGG                               |                     |                      | 152                     | 29                     |
| 2465-04014        | 00000/0000                   | 2-20024/0822                | 05/01/76         | 0              | 6476            | 4315N                        | 08934E        | 52.4         | 129.5        | GGGG                               |                     |                      | 152                     | 30                     |
| 2465-05402        | 00000/0000                   | 2-20024/1053                | 05/01/76         | 30             | 6477            | 5846N                        | 07124E        | 43.2         | 149.4        | GGGG                               |                     |                      | 170                     | 19                     |
| 2465-05404        | 00000/0000                   | 2-20024/1054                | 05/01/76         | 60             | 6477            | 5722N                        | 07030E        | 44.2         | 147.6        | GGGG                               |                     |                      | 170                     | 20                     |
| 2465-05411        | 00000/0000                   | 2-20024/1055                | 05/01/76         | 70             | 6477            | 5557N                        | 06939E        | 45.1         | 145.9        | GGGG                               |                     |                      | 170                     | 21                     |
| 2465-05413        | 00000/0000                   | 2-20024/1056                | 05/01/76         | 70             | 6477            | 5433N                        | 06851E        | 46.1         | 144.2        | GGGG                               |                     |                      | 170                     | 22                     |
| 2465-05420        | 00000/0000                   | 2-20024/1057                | 05/01/76         | 70             | 6477            | 5309N                        | 06806E        | 47.0         | 142.4        | GGGG                               |                     |                      | 170                     | 23                     |
| 2465-05422        | 00000/0000                   | 2-20024/1058                | 05/01/76         | 80             | 6477            | 5145N                        | 06723E        | 47.8         | 140.7        | GGGG                               |                     |                      | 170                     | 24                     |
| 2465-05425        | 00000/0000                   | 2-20024/1059                | 05/01/76         | 70             | 6477            | 5020N                        | 06643E        | 48.7         | 138.9        | GGGG                               |                     |                      | 170                     | 25                     |
| 2465-05431        | 00000/0000                   | 2-20024/1060                | 05/01/76         | 90             | 6477            | 4855N                        | 06604E        | 49.5         | 137.1        | GGGG                               |                     |                      | 170                     | 26                     |
| 2465-05434        | 00000/0000                   | 2-20024/1061                | 05/01/76         | 70             | 6477            | 4730N                        | 06527E        | 50.3         | 135.3        | GGGG                               |                     |                      | 170                     | 27                     |
| 2465-05440        | 00000/0000                   | 2-20024/1062                | 05/01/76         | 40             | 6477            | 4605N                        | 06452E        | 51.0         | 133.4        | GGGG                               |                     |                      | 170                     | 28                     |
| 2465-05443        | 00000/0000                   | 2-20024/1063                | 05/01/76         | 30             | 6477            | 4440N                        | 06418E        | 51.7         | 131.5        | GGGG                               |                     |                      | 170                     | 29                     |
| 2465-05461        | 00000/0000                   | 2-20024/1064                | 05/01/76         | 10             | 6477            | 3857N                        | 06215E        | 54.2         | 123.3        | GGGG                               |                     |                      | 170                     | 33                     |
| 2465-05463        | 00000/0000                   | 2-20024/1065                | 05/01/76         | 0              | 6477            | 3731N                        | 06147E        | 54.8         | 121.2        | GGGG                               |                     |                      | 170                     | 34                     |
| 2465-05470        | 00000/0000                   | 2-20024/1066                | 05/01/76         | 0              | 6477            | 3606N                        | 06120E        | 55.2         | 119.0        | GGGG                               |                     |                      | 170                     | 35                     |
| 2465-05490        | 00000/0000                   | 2-20024/1067                | 05/01/76         | 10             | 6477            | 2855N                        | 05912E        | 56.8         | 107.6        | GGGG                               |                     |                      | 170                     | 40                     |
| 2465-05493        | 00000/0000                   | 2-20024/1068                | 05/01/76         | 0              | 6477            | 2729N                        | 05849E        | 57.0         | 105.2        | GGGG                               |                     |                      | 170                     | 41                     |
| 2465-05495        | 00000/0000                   | 2-20024/1069                | 05/01/76         | 10             | 6477            | 2603N                        | 05825E        | 57.1         | 102.8        | GGGG                               |                     |                      | 170                     | 42                     |
| 2465-06022        | 00000/0000                   | 2-20024/1070                | 05/01/76         | 40             | 6477            | 1715S                        | 04804E        | 38.6         | 53.3         | GGGG                               |                     |                      | 170                     | 72                     |
| 2465-06025        | 00000/0000                   | 2-20024/1071                | 05/01/76         | 40             | 6477            | 1841S                        | 04743E        | 37.5         | 52.6         | GGGG                               |                     |                      | 170                     | 73                     |
| 2465-07225        | 00000/0000                   | 2-20024/1117                | 05/01/76         | 60             | 6478            | 6131N                        | 04740E        | 41.3         | 152.9        | GGGG                               |                     |                      | 188                     | 17                     |
| 2465-07231        | 00000/0000                   | 2-20024/1118                | 05/01/76         | 60             | 6478            | 6009N                        | 04637E        | 42.3         | 151.1        | GGGG                               |                     |                      | 188                     | 18                     |
| 2465-07234        | 00000/0000                   | 2-20024/1119                | 05/01/76         | 80             | 6478            | 5845N                        | 04539E        | 43.3         | 149.4        | GGGG                               |                     |                      | 188                     | 19                     |
| 2465-07240        | 00000/0000                   | 2-20024/1120                | 05/01/76         | 90             | 6478            | 5722N                        | 04444E        | 44.2         | 147.6        | GGGG                               |                     |                      | 188                     | 20                     |
| 2465-07243        | 00000/0000                   | 2-20024/1121                | 05/01/76         | 100            | 6478            | 5558N                        | 04352E        | 45.2         | 145.9        | GGGG                               |                     |                      | 188                     | 21                     |
| 2465-07245        | 00000/0000                   | 2-20024/1122                | 05/01/76         | 100            | 6478            | 5434N                        | 04303E        | 46.1         | 144.2        | GGGG                               |                     |                      | 188                     | 22                     |
| 2465-07252        | 00000/0000                   | 2-20024/1123                | 05/01/76         | 100            | 6478            | 5309N                        | 04218E        | 47.0         | 142.4        | GGGG                               |                     |                      | 188                     | 23                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 26, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0198

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2465-07254        | 00000/0000                   | 2-20024/1124                | 05/01/76         | 90             | 6478                | 5145N                        | 04135E        | 47.9         | 140.7        | GGFG                               |                     |                      | 188                     | 24                     |
| 2465-07261        | 00000/0000                   | 2-20024/1101                | 05/01/76         | 90             | 6478                | 5020N                        | 04055E        | 48.7         | 138.9        | GGGG                               |                     |                      | 188                     | 25                     |
| 2465-07263        | 00000/0000                   | 2-20024/1102                | 05/01/76         | 90             | 6478                | 4845N                        | 04016E        | 49.5         | 137.1        | GGGG                               |                     |                      | 188                     | 26                     |
| 2465-07270        | 00000/0000                   | 2-20024/1103                | 05/01/76         | 40             | 6478                | 4730N                        | 03939E        | 50.3         | 135.2        | GGGG                               |                     |                      | 188                     | 27                     |
| 2465-07272        | 00000/0000                   | 2-20024/1104                | 05/01/76         | 90             | 6478                | 4605N                        | 03903E        | 51.1         | 133.4        | GGFG                               |                     |                      | 188                     | 28                     |
| 2465-07275        | 00000/0000                   | 2-20024/1105                | 05/01/76         | 90             | 6478                | 4440N                        | 03825E        | 51.8         | 131.4        | GGGG                               |                     |                      | 188                     | 29                     |
| 2465-09101        | 00000/0000                   | 2-20024/1106                | 05/01/76         | 0              | 6479                | 4730N                        | 01349E        | 50.3         | 135.2        | GGGG                               |                     |                      | 206                     | 27                     |
| 2465-10433        | 00000/0000                   | 2-20024/1107                | 05/01/76         | 50             | 6480                | 7845N                        | 03305E        | 26.0         | 196.0        | GGGG                               |                     |                      | 223                     | 3                      |
| 2465-10435        | 00000/0000                   | 2-20024/1108                | 05/01/76         | 50             | 6480                | 7749N                        | 02727E        | 27.2         | 190.2        | GGGG                               |                     |                      | 223                     | 4                      |
| 2465-10442        | 00000/0000                   | 2-20024/1109                | 05/01/76         | 30             | 6480                | 7648N                        | 02237E        | 28.3         | 185.1        | GGGG                               |                     |                      | 223                     | 5                      |
| 2465-12255        | 00000/0000                   | 2-20024/1110                | 05/01/76         | 40             | 6481                | 8016N                        | 02107E        | 23.7         | 210.3        | GGG                                |                     |                      | 241                     | 1                      |
| 2465-12262        | 00000/0000                   | 2-20024/1111                | 05/01/76         | 20             | 6481                | 7936N                        | 01338E        | 24.9         | 202.7        | GGGG                               |                     |                      | 241                     | 2                      |
| 2465-12264        | 00000/0000                   | 2-20024/1112                | 05/01/76         | 40             | 6481                | 7847N                        | 00707E        | 26.1         | 196.0        | GGFG                               |                     |                      | 241                     | 3                      |
| 2465-12271        | 00000/0000                   | 2-20024/1113                | 05/01/76         | 50             | 6481                | 7751N                        | 00129E        | 27.2         | 190.1        | GGGG                               |                     |                      | 241                     | 4                      |
| 2465-12273        | 00000/0000                   | 2-20024/1114                | 05/01/76         | 50             | 6481                | 7649N                        | 00318W        | 28.4         | 185.1        | GGGG                               |                     |                      | 242                     | 5                      |
| 2465-14091        | 00000/0000                   | 2-20024/1115                | 05/01/76         | 20             | 6482                | 8016N                        | 00423W        | 23.7         | 210.6        | GGGG                               |                     |                      | 246                     | 248                    |
| 2465-14093        | 00000/0000                   | 2-20024/1116                | 05/01/76         | 10             | 6482                | 7936N                        | 01155W        | 24.9         | 202.9        | GGGG                               |                     |                      | 8                       | 2                      |
| 2465-14100        | 00000/0000                   | 2-20024/1072                | 05/01/76         | 10             | 6482                | 7848N                        | 01228W        | 26.0         | 196.2        | GGGG                               |                     |                      | 8                       | 3                      |
| 2465-14125        | 00000/0000                   | 2-20024/1073                | 05/01/76         | 40             | 6482                | 7054N                        | 04442W        | 34.0         | 167.7        | GFGG                               |                     |                      | 9                       | 10                     |
| 2465-14132        | 00000/0000                   | 2-20024/1074                | 05/01/76         | 30             | 6482                | 6937N                        | 04647W        | 35.1         | 165.2        | GFGG                               |                     |                      | 9                       | 11                     |
| 2465-14134        | 00000/0000                   | 2-20024/1075                | 05/01/76         | 30             | 6482                | 6818N                        | 04839W        | 36.1         | 162.8        | GFGG                               |                     |                      | 9                       | 12                     |
| 2465-14141        | 00000/0000                   | 2-20024/1076                | 05/01/76         | 40             | 6482                | 6659N                        | 05020W        | 37.2         | 160.6        | GGGG                               |                     |                      | 9                       | 13                     |
| 2465-14143        | 00000/0000                   | 2-20024/1077                | 05/01/76         | 10             | 6482                | 6539N                        | 05150W        | 38.3         | 158.6        | GGGG                               |                     |                      | 9                       | 14                     |
| 2465-14164        | 00000/0000                   | 2-20024/0939                | 05/01/76         | 90             | 6482                | 5847N                        | 05737W        | 43.3         | 149.4        | GGGG                               |                     |                      | 9                       | 19                     |
| 2465-14170        | 00000/0000                   | 2-20024/0940                | 05/01/76         | 90             | 6482                | 5724N                        | 05831W        | 44.3         | 147.6        | FGGG                               |                     |                      | 9                       | 20                     |
| 2465-14173        | 00000/0000                   | 2-20024/0941                | 05/01/76         | 30             | 6482                | 5600N                        | 05923W        | 45.2         | 145.9        | GGGG                               |                     |                      | 9                       | 21                     |
| 2465-14175        | 00000/0000                   | 2-20024/0942                | 05/01/76         | 60             | 6482                | 5436N                        | 06011W        | 46.1         | 144.2        | GGGG                               |                     |                      | 9                       | 22                     |
| 2465-14182        | 00000/0000                   | 2-20024/0943                | 05/01/76         | 10             | 6482                | 5312N                        | 06057W        | 47.0         | 142.4        | GGGG                               |                     |                      | 9                       | 23                     |
| 2465-14184        | 00000/0000                   | 2-20024/0944                | 05/01/76         | 30             | 6482                | 5147N                        | 06140W        | 47.9         | 140.7        | GGGG                               |                     |                      | 9                       | 24                     |
| 2465-14191        | 00000/0000                   | 2-20024/0945                | 05/01/76         | 10             | 6482                | 5022N                        | 06220W        | 48.8         | 138.9        | GGGG                               |                     |                      | 9                       | 25                     |
| 2465-14193        | 00000/0000                   | 2-20024/0946                | 05/01/76         | 10             | 6482                | 4857N                        | 06259W        | 49.6         | 137.1        | FGGG                               |                     |                      | 9                       | 26                     |
| 2465-14202        | 00000/0000                   | 2-20024/0947                | 05/01/76         | 20             | 6482                | 4607N                        | 06410W        | 51.1         | 133.3        | GFGG                               |                     |                      | 9                       | 28                     |
| 2465-14205        | 00000/0000                   | 2-20024/0948                | 05/01/76         | 20             | 6482                | 4442N                        | 06443W        | 51.8         | 131.4        | GFGG                               |                     |                      | 9                       | 29                     |
| 2465-14211        | 00000/0000                   | 2-20024/0949                | 05/01/76         | 10             | 6482                | 4317N                        | 06516W        | 52.5         | 129.4        | GGGF                               |                     |                      | 9                       | 30                     |
| 2465-14214        | 00000/0000                   | 2-20024/0950                | 05/01/76         | 10             | 6482                | 4151N                        | 06547W        | 53.2         | 127.4        | GGGF                               |                     |                      | 9                       | 31                     |
| 2465-15534        | 00000/0000                   | 2-20024/1078                | 05/01/76         | 20             | 6483                | 7742N                        | 04952W        | 27.2         | 190.3        | GGGG                               |                     |                      | 26                      | 4                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2465-16022        | 00000/0000                   | 2-20024/0984                | 05/01/76         | 70             | 6483            | 5022N                              | 08A09W                              | 48.8         | 138.9        | GGGG                               |                     |                      | 27                      | 25                     |
| 2465-17445        | 00000/0000                   | 2-20024/1134                | 05/01/76         | 10             | 6484            | 5311N                              | 11235W                              | 47.1         | 142.4        | GGGG                               |                     |                      | 45                      | 29                     |
| 2465-17452        | 00000/0000                   | 2-20024/1135                | 05/01/76         | 0              | 6484            | 5147N                              | 11318W                              | 48.0         | 140.6        | FGGG                               |                     |                      | 45                      | 24                     |
| 2465-17454        | 00000/0000                   | 2-20024/1136                | 05/01/76         | 10             | 6484            | 5022N                              | 11358W                              | 48.8         | 138.8        | FGGG                               |                     |                      | 45                      | 25                     |
| 2465-21021        | 00000/0000                   | 2-20024/1311                | 05/01/76         | 10             | 6486            | 8017N                              | 10746W                              | 23.8         | 210.5        | FGGF                               |                     |                      | 67                      | 248                    |
| 2465-21024        | 00000/0000                   | 2-20024/1312                | 05/01/76         | 10             | 6486            | 7937N                              | 11519W                              | 25.0         | 202.9        | GGGG                               |                     |                      | 80                      | 2                      |
| 2465-21030        | 00000/0000                   | 2-20024/1313                | 05/01/76         | 50             | 6486            | 7849N                              | 12152W                              | 26.1         | 196.1        | GGGG                               |                     |                      | 80                      | 3                      |
| 2465-21033        | 00000/0000                   | 2-20024/1314                | 05/01/76         | 50             | 6486            | 7753N                              | 12729W                              | 27.3         | 190.3        | GGGG                               |                     |                      | 80                      | 4                      |
| 2465-21035        | 00000/0000                   | 2-20024/1315                | 05/01/76         | 20             | 6486            | 7650N                              | 13219W                              | 28.4         | 185.2        | GGGG                               |                     |                      | 80                      | 5                      |
| 2465-21042        | 00000/0000                   | 2-20024/1316                | 05/01/76         | 10             | 6486            | 7545N                              | 13624W                              | 29.6         | 180.8        | GGGG                               |                     |                      | 81                      | 6                      |
| 2465-21044        | 00000/0000                   | 2-20024/1317                | 05/01/76         | 10             | 6486            | 7436N                              | 13957W                              | 30.7         | 176.9        | GGGG                               |                     |                      | 81                      | 7                      |
| 2465-21051        | 00000/0000                   | 2-20024/1318                | 05/01/76         | 10             | 6486            | 7323N                              | 14302W                              | 31.8         | 173.5        | GGGG                               |                     |                      | 81                      | 8                      |
| 2465-21053        | 00000/0000                   | 2-20024/1319                | 05/01/76         | 10             | 6486            | 7209N                              | 14543W                              | 33.0         | 170.4        | GGGG                               |                     |                      | 81                      | 9                      |
| 2466-02220        | 00000/0000                   | 2-20024/1079                | 05/02/76         | 90             | 6489            | 5020N                              | 11655E                              | 48.9         | 138.7        | GGGG                               |                     |                      | 135                     | 25                     |
| 2466-02223        | 00000/0000                   | 2-20024/1080                | 05/02/76         | 80             | 6489            | 4855N                              | 11617E                              | 49.7         | 136.9        | GGGG                               |                     |                      | 135                     | 26                     |
| 2466-02243        | 00000/0000                   | 2-20024/1081                | 05/02/76         | 80             | 6489            | 4149N                              | 11328E                              | 53.3         | 127.2        | GGGG                               |                     |                      | 135                     | 31                     |
| 2466-02250        | 00000/0000                   | 2-20024/1082                | 05/02/76         | 20             | 6489            | 4024N                              | 11258E                              | 53.9         | 125.2        | FFFF                               |                     |                      | 135                     | 32                     |
| 2466-02252        | 00000/0000                   | 2-20024/1083                | 05/02/76         | 10             | 6489            | 3858N                              | 11229E                              | 54.5         | 123.0        | FGGG                               |                     |                      | 135                     | 33                     |
| 2466-02255        | 00000/0000                   | 2-20024/1084                | 05/02/76         | 0              | 6489            | 3732N                              | 11200E                              | 55.0         | 120.9        | GGGG                               |                     |                      | 135                     | 34                     |
| 2466-02261        | 00000/0000                   | 2-20024/1085                | 05/02/76         | 30             | 6489            | 3606N                              | 11133E                              | 55.4         | 118.7        | GGGG                               |                     |                      | 135                     | 35                     |
| 2466-02264        | 00000/0000                   | 2-20024/1086                | 05/02/76         | 60             | 6489            | 3440N                              | 11107E                              | 55.8         | 116.4        | GGGG                               |                     |                      | 135                     | 36                     |
| 2466-02270        | 00000/0000                   | 2-20024/1087                | 05/02/76         | 90             | 6489            | 3314N                              | 11041E                              | 56.2         | 114.2        | FGGG                               |                     |                      | 135                     | 37                     |
| 2466-02291        | 00000/0000                   | 2-20024/1088                | 05/02/76         | 100            | 6489            | 2603N                              | 10839E                              | 57.2         | 102.3        | GGGG                               |                     |                      | 135                     | 42                     |
| 2466-02293        | 00000/0000                   | 2-20024/1089                | 05/02/76         | 100            | 6489            | 2437N                              | 10815E                              | 57.2         | 99.9         | GGGG                               |                     |                      | 135                     | 49                     |
| 2466-04025        | 00000/0000                   | 2-20024/1125                | 05/02/76         | 10             | 6490            | 5844N                              | 09546E                              | 43.5         | 149.3        | GGGG                               |                     |                      | 153                     | 19                     |
| 2466-04031        | 00000/0000                   | 2-20024/1126                | 05/02/76         | 0              | 6490            | 5721N                              | 09452E                              | 44.5         | 147.5        | GGGG                               |                     |                      | 153                     | 20                     |
| 2466-04034        | 00000/0000                   | 2-20024/1127                | 05/02/76         | 0              | 6490            | 5557N                              | 09400E                              | 45.4         | 145.8        | GGGG                               |                     |                      | 153                     | 21                     |
| 2466-04040        | 00000/0000                   | 2-20024/1128                | 05/02/76         | 0              | 6490            | 5473N                              | 09312E                              | 46.3         | 144.0        | GGGG                               |                     |                      | 153                     | 22                     |
| 2466-04043        | 00000/0000                   | 2-20024/1129                | 05/02/76         | 0              | 6490            | 5308N                              | 09227E                              | 47.2         | 142.3        | GGGG                               |                     |                      | 153                     | 23                     |
| 2466-04045        | 00000/0000                   | 2-20024/1130                | 05/02/76         | 0              | 6490            | 5143N                              | 09145E                              | 48.1         | 140.5        | GGGG                               |                     |                      | 153                     | 24                     |
| 2466-04070        | 00000/0000                   | 2-20024/1131                | 05/02/76         | 0              | 6490            | 4438N                              | 08839E                              | 52.0         | 131.2        | GGGG                               |                     |                      | 153                     | 29                     |
| 2466-04072        | 00000/0000                   | 2-20024/1132                | 05/02/76         | 0              | 6490            | 4313N                              | 08807E                              | 52.7         | 129.2        | GGGG                               |                     |                      | 153                     | 30                     |
| 2466-04075        | 00000/0000                   | 2-20024/1133                | 05/02/76         | 0              | 6490            | 4147N                              | 08737E                              | 53.3         | 127.2        | GGGG                               |                     |                      | 153                     | 31                     |
| 2466-05460        | 00000/0000                   | 2-20024/1562                | 05/02/76         | 80             | 6491            | 5844N                              | 07000E                              | 43.6         | 149.3        | GGGG                               |                     |                      | 171                     | 19                     |
| 2466-05463        | 00000/0000                   | 2-20024/1563                | 05/02/76         | 70             | 6491            | 5721N                              | 06906E                              | 44.5         | 147.5        | GGGG                               |                     |                      | 171                     | 20                     |
| 2466-05465        | 00000/0000                   | 2-20024/1564                | 05/02/76         | 40             | 6491            | 5557N                              | 06815E                              | 45.4         | 145.8        | GGGG                               |                     |                      | 171                     | 21                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, I=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0200

| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2466-05472        | 00000/0000                                     | 2-20024/1565     | 05/02/76       | 40              | 6491                               | 5433N                               | 06727E       | 46.4         | 144.0             | GGGG                |                      | 171                     | 22                     |
| 2466-05474        | 00000/0000                                     | 2-20024/1566     | 05/02/76       | 40              | 6491                               | 5308N                               | 06641E       | 47.3         | 142.3             | GGGG                |                      | 171                     | 23                     |
| 2466-05481        | 00000/0000                                     | 2-20024/1567     | 05/02/76       | 10              | 6491                               | 5144N                               | 06558E       | 48.1         | 140.5             | GGGG                |                      | 171                     | 24                     |
| 2466-05483        | 00000/0000                                     | 2-20024/1568     | 05/02/76       | 10              | 6491                               | 5019N                               | 06517E       | 49.0         | 138.7             | GGGG                |                      | 171                     | 25                     |
| 2466-05510        | 00000/0000                                     | 2-20024/1569     | 05/02/76       | 0               | 6491                               | 4148N                               | 06149E       | 53.3         | 127.2             | GGGG                |                      | 171                     | 31                     |
| 2466-05513        | 00000/0000                                     | 2-20024/1570     | 05/02/76       | 10              | 6491                               | 4022N                               | 06119E       | 53.9         | 125.1             | GGGG                |                      | 171                     | 32                     |
| 2466-05515        | 00000/0000                                     | 2-20024/1571     | 05/02/76       | 0               | 6491                               | 3846N                               | 06050E       | 54.5         | 123.0             | GGGG                |                      | 171                     | 33                     |
| 2466-05522        | 00000/0000                                     | 2-20024/1572     | 05/02/76       | 10              | 6491                               | 3731N                               | 06021E       | 55.0         | 120.8             | GGGG                |                      | 171                     | 34                     |
| 2466-05524        | 00000/0000                                     | 2-20024/1573     | 05/02/76       | 0               | 6491                               | 3605N                               | 05954E       | 55.5         | 118.6             | GGGG                |                      | 171                     | 35                     |
| 2466-05531        | 00000/0000                                     | 2-20024/1574     | 05/02/76       | 0               | 6491                               | 3439N                               | 05927E       | 55.9         | 116.4             | GGGG                |                      | 171                     | 36                     |
| 2466-05533        | 00000/0000                                     | 2-20024/1575     | 05/02/76       | 10              | 6491                               | 3313N                               | 05901E       | 56.2         | 114.1             | GGGG                |                      | 171                     | 37                     |
| 2466-05540        | 00000/0000                                     | 2-20024/1576     | 05/02/76       | 10              | 6491                               | 3147N                               | 05836E       | 56.6         | 111.8             | GGGG                |                      | 171                     | 38                     |
| 2466-05542        | 00000/0000                                     | 2-20024/1577     | 05/02/76       | 10              | 6491                               | 3021N                               | 05811E       | 56.8         | 109.4             | GGGG                |                      | 171                     | 39                     |
| 2466-05545        | 00000/0000                                     | 2-20024/1578     | 05/02/76       | 10              | 6491                               | 2854N                               | 05746E       | 57.0         | 107.0             | GGGG                |                      | 171                     | 40                     |
| 2466-05551        | 00000/0000                                     | 2-20024/1579     | 05/02/76       | 0               | 6491                               | 2728N                               | 05723E       | 57.2         | 104.7             | GGGG                |                      | 171                     | 41                     |
| 2466-05554        | 00000/0000                                     | 2-20024/1177     | 05/02/76       | 50              | 6491                               | 2602N                               | 05659E       | 57.2         | 102.3             | GFFF                |                      | 171                     | 42                     |
| 2466-07280        | 00000/0000                                     | 2-20024/1175     | 05/02/76       | 100             | 6492                               | 6252N                               | 04719E       | 40.6         | 154.6             | P                   |                      | 189                     | 16                     |
| 2466-07283        | 00000/0000                                     | 2-20024/1176     | 05/02/76       | 100             | 6492                               | 6130N                               | 04611E       | 41.6         | 152.8             | F                   |                      | 189                     | 17                     |
| 2466-07285        | 00000/0000                                     | 2-20024/1090     | 05/02/76       | 100             | 6492                               | 6008N                               | 04509E       | 42.6         | 151.0             | GGGG                |                      | 189                     | 18                     |
| 2466-07292        | 00000/0000                                     | 2-20024/1091     | 05/02/76       | 100             | 6492                               | 5844N                               | 04410E       | 43.6         | 149.2             | GGGG                |                      | 189                     | 19                     |
| 2466-07294        | 00000/0000                                     | 2-20024/1092     | 05/02/76       | 90              | 6492                               | 5721N                               | 04316E       | 44.5         | 147.5             | GGGG                |                      | 189                     | 20                     |
| 2466-07301        | 00000/0000                                     | 2-20024/1093     | 05/02/76       | 60              | 6492                               | 5557N                               | 04224E       | 45.5         | 145.8             | GGGG                |                      | 189                     | 21                     |
| 2466-07310        | 00000/0000                                     | 2-20024/1094     | 05/02/76       | 90              | 6492                               | 5307N                               | 04049E       | 47.3         | 142.3             | GGFG                |                      | 189                     | 23                     |
| 2466-07312        | 00000/0000                                     | 2-20024/1095     | 05/02/76       | 80              | 6492                               | 5143N                               | 04007E       | 48.1         | 140.5             | GGGG                |                      | 189                     | 24                     |
| 2466-07315        | 00000/0000                                     | 2-20024/1096     | 05/02/76       | 70              | 6492                               | 5019N                               | 03926E       | 49.0         | 138.7             | GGGG                |                      | 189                     | 25                     |
| 2466-07321        | 00000/0000                                     | 2-20024/1097     | 05/02/76       | 90              | 6492                               | 4854N                               | 03847E       | 49.8         | 136.9             | GGGG                |                      | 189                     | 26                     |
| 2466-07324        | 00000/0000                                     | 2-20024/1098     | 05/02/76       | 40              | 6492                               | 4728N                               | 03811E       | 50.6         | 135.0             | GGGG                |                      | 189                     | 27                     |
| 2466-07330        | 00000/0000                                     | 2-20024/1099     | 05/02/76       | 10              | 6492                               | 4603N                               | 03736E       | 51.3         | 133.1             | GGGG                |                      | 189                     | 28                     |
| 2466-07333        | 00000/0000                                     | 2-20024/1100     | 05/02/76       | 20              | 6492                               | 4438N                               | 03702E       | 52.0         | 131.2             | GGGG                |                      | 189                     | 29                     |
| 2466-09153        | 00000/0000                                     | 2-20024/1178     | 05/02/76       | 10              | 6493                               | 4857N                               | 01302E       | 49.8         | 136.9             | GGGG                |                      | 207                     | 26                     |
| 2466-09155        | 00000/0000                                     | 2-20024/1179     | 05/02/76       | 10              | 6493                               | 4732N                               | 01225E       | 50.6         | 135.1             | GGGG                |                      | 207                     | 27                     |
| 2466-09250        | 00000/0000                                     | 2-20024/1180     | 05/02/76       | 30              | 6493                               | 1600N                               | 00249E       | 56.3         | 86.0              | FGFG                |                      | 207                     | 49                     |
| 2466-09253        | 00000/0000                                     | 2-20024/1181     | 05/02/76       | 10              | 6493                               | 1433N                               | 00228E       | 55.9         | 83.8              | GGGG                |                      | 207                     | 50                     |
| 2466-10491        | 00000/0000                                     | 2-20024/1182     | 05/02/76       | 10              | 6494                               | 7848N                               | 03140E       | 26.3         | 196.2             | GGGG                |                      | 224                     | 3                      |
| 2466-10493        | 00000/0000                                     | 2-20024/1183     | 05/02/76       | 20              | 6494                               | 7752N                               | 02602E       | 27.5         | 190.3             | GGFG                |                      | 224                     | 4                      |
| 2466-10500        | 00000/0000                                     | 2-20024/1184     | 05/02/76       | 70              | 6494                               | 7651N                               | 02114E       | 28.6         | 185.2             | GGGG                |                      | 224                     | 5                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 177

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0201

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RSLT<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2466-12502        | 00000/0000                   | 2-20024/1185                | 05/02/76         | 40             | 6494            | 7544N                        | 01706E        | 29.7         | 180.8        | GGGG                               |                     |                      | 225                     | 6                      |
| 2466-12320        | 00000/0000                   | 2-20024/1186                | 05/02/76         | 10             | 6495            | 7936N                        | 01721E        | 25.2         | 202.9        | GGFG                               |                     |                      | 242                     | 2                      |
| 2466-12323        | 00000/0000                   | 2-20024/1187                | 05/02/76         | 60             | 6495            | 7847N                        | 00550E        | 26.3         | 196.2        | GGGG                               |                     |                      | 242                     | 3                      |
| 2466-12325        | 00000/0000                   | 2-20024/1188                | 05/02/76         | 80             | 6495            | 7752N                        | 00012E        | 27.5         | 190.3        | GGGG                               |                     |                      | 242                     | 4                      |
| 2466-12332        | 00000/0000                   | 2-20024/1189                | 05/02/76         | 20             | 6495            | 7650N                        | 00436W        | 28.6         | 185.2        | GG G                               |                     |                      | 242                     | 5                      |
| 2466-14145        | 00000/0000                   | 2-20024/1190                | 05/02/76         | 20             | 6496            | 8015N                        | 00552W        | 24.0         | 210.5        | GGGG                               |                     |                      | 9                       | 1                      |
| 2466-14152        | 00000/0000                   | 2-20024/1191                | 05/02/76         | 30             | 6496            | 7936N                        | 01322W        | 25.2         | 202.9        | FGGG                               |                     |                      | 9                       | 2                      |
| 2466-14154        | 00000/0000                   | 2-20024/1222                | 05/02/76         | 20             | 6496            | 7847N                        | 01956W        | 26.4         | 196.1        | GG                                 |                     |                      | 9                       | 3                      |
| 2466-14181        | 00000/0000                   | 2-20024/1223                | 05/02/76         | 20             | 6496            | 7209N                        | 04348W        | 33.2         | 170.4        | GGGG                               |                     |                      | 10                      | 9                      |
| 2466-14184        | 00000/0000                   | 2-20024/1224                | 05/02/76         | 10             | 6496            | 7053N                        | 04609W        | 34.3         | 167.6        | GGGG                               |                     |                      | 10                      | 10                     |
| 2466-14190        | 00000/0000                   | 2-20024/1225                | 05/02/76         | 10             | 6496            | 6935N                        | 04815W        | 35.4         | 165.1        | GGGG                               |                     |                      | 10                      | 11                     |
| 2466-14193        | 00000/0000                   | 2-20024/1226                | 05/02/76         | 0              | 6496            | 6817N                        | 05006W        | 36.4         | 162.8        | GGGG                               |                     |                      | 10                      | 12                     |
| 2466-14195        | 00000/0000                   | 2-20024/1227                | 05/02/76         | 0              | 6496            | 6657N                        | 05145W        | 37.5         | 160.6        | GGGG                               |                     |                      | 10                      | 13                     |
| 2466-14252        | 00000/0000                   | 2-20024/1281                | 05/02/76         | 100            | 6496            | 4856N                        | 06425W        | 49.9         | 136.8        | GGGG                               |                     |                      | 10                      | 26                     |
| 2466-14272        | 00000/0000                   | 2-20024/1282                | 05/02/76         | 100            | 6496            | 4150N                        | 06714W        | 53.4         | 127.1        | GGGG                               |                     |                      | 10                      | 31                     |
| 2466-14275        | 00000/0000                   | 2-20024/1283                | 05/02/76         | 100            | 6496            | 4024N                        | 06744W        | 54.0         | 125.0        | GGGG                               |                     |                      | 10                      | 32                     |
| 2466-14281        | 00000/0000                   | 2-20024/1284                | 05/02/76         | 90             | 6496            | 3858N                        | 06813W        | 54.6         | 122.9        | GGGG                               |                     |                      | 10                      | 33                     |
| 2466-16081        | 00000/0000                   | 2-20024/1280                | 05/02/76         | 90             | 6497            | 5021N                        | 08937W        | 49.1         | 138.7        | GG G                               |                     |                      | 28                      | 25                     |
| 2466-17503        | 00000/0000                   | 2-20024/1277                | 05/02/76         | 0              | 6498            | 5310N                        | 11401W        | 47.4         | 142.2        | GGGG                               |                     |                      | 46                      | 23                     |
| 2466-17510        | 00000/0000                   | 2-20024/1278                | 05/02/76         | 10             | 6498            | 5146N                        | 11443W        | 48.2         | 140.4        | GGGG                               |                     |                      | 46                      | 24                     |
| 2466-17512        | 00000/0000                   | 2-20024/1279                | 05/02/76         | 10             | 6498            | 5021N                        | 11524W        | 49.1         | 138.6        | GGGG                               |                     |                      | 46                      | 25                     |
| 2466-21080        | 00000/0000                   | 2-20024/1192                | 05/02/76         | 10             | 6500            | 8016N                        | 10920W        | 24.1         | 210.5        | GPPG                               |                     |                      | 68                      | 248                    |
| 2466-21082        | 00000/0000                   | 2-20024/1193                | 05/02/76         | 10             | 6500            | 7936N                        | 11652W        | 25.3         | 202.8        | GFFG                               |                     |                      | 81                      | 2                      |
| 2466-21085        | 00000/0000                   | 2-20024/1194                | 05/02/76         | 50             | 6500            | 7847N                        | 12324W        | 26.5         | 196.1        | FGGG                               |                     |                      | 81                      | 3                      |
| 2466-21091        | 00000/0000                   | 2-20024/1195                | 05/02/76         | 40             | 6500            | 7751N                        | 12901W        | 27.6         | 190.2        | FGGG                               |                     |                      | 81                      | 4                      |
| 2466-21094        | 00000/0000                   | 2-20024/1196                | 05/02/76         | 50             | 6500            | 7650N                        | 13349W        | 28.8         | 185.2        | GPFF                               |                     |                      | 82                      | 5                      |
| 2466-21100        | 00000/0000                   | 2-20024/1197                | 05/02/76         | 10             | 6500            | 7544N                        | 13756W        | 29.9         | 180.8        | GGGG                               |                     |                      | 82                      | 6                      |
| 2466-21103        | 00000/0000                   | 2-20024/1198                | 05/02/76         | 0              | 6500            | 7435N                        | 14128W        | 31.0         | 176.9        | GGGG                               |                     |                      | 82                      | 7                      |
| 2466-21105        | 00000/0000                   | 2-20024/1199                | 05/02/76         | 10             | 6500            | 7323N                        | 14431W        | 32.2         | 173.5        | GPGG                               |                     |                      | 82                      | 8                      |
| 2466-21112        | 00000/0000                   | 2-20024/1200                | 05/02/76         | 10             | 6500            | 7209N                        | 14711W        | 33.3         | 170.4        | GGGG                               |                     |                      | 82                      | 9                      |
| 2467-02274        | 00000/0000                   | 2-20024/1228                | 05/03/76         | 10             | 6503            | 5022N                        | 11528E        | 49.2         | 138.6        | GGGG                               |                     |                      | 136                     | 25                     |
| 2467-02301        | 00000/0000                   | 2-20024/1229                | 05/03/76         | 10             | 6503            | 4149N                        | 11201E        | 53.5         | 127.0        | GGGG                               |                     |                      | 136                     | 31                     |
| 2467-02304        | 00000/0000                   | 2-20024/1230                | 05/03/76         | 10             | 6503            | 4024N                        | 11132E        | 54.1         | 124.9        | GGGG                               |                     |                      | 136                     | 32                     |
| 2467-02310        | 00000/0000                   | 2-20024/1231                | 05/03/76         | 0              | 6503            | 3858N                        | 11103E        | 54.7         | 122.8        | GGGG                               |                     |                      | 136                     | 33                     |
| 2467-02313        | 00000/0000                   | 2-20024/1232                | 05/03/76         | 0              | 6503            | 3733N                        | 11035E        | 55.2         | 120.6        | GGGG                               |                     |                      | 136                     | 34                     |
| 2467-02315        | 00000/0000                   | 2-20024/1233                | 05/03/76         | 20             | 6503            | 3607N                        | 11008E        | 55.6         | 118.4        | GGGG                               |                     |                      | 136                     | 35                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2467-02322        | 00000/0000                                     | 2-20024/1234     | 05/03/76       | 30              | 6503                               | 3441N                               | 10941E       | 56.0         | 116.1             | GGGG        |                     |                      |                         |                        |
| 2467-02324        | 00000/0000                                     | 2-20024/1235     | 05/03/76       | 30              | 6503                               | 3316N                               | 10915E       | 56.4         | 113.8             | GGGG        |                     |                      | 136                     | 36                     |
| 2467-02331        | 00000/0000                                     | 2-20024/1236     | 05/03/76       | 80              | 6503                               | 3149N                               | 10850E       | 56.7         | 111.5             | GGGG        |                     |                      | 136                     | 37                     |
| 2467-02333        | 00000/0000                                     | 2-20024/1237     | 05/03/76       | 100             | 6503                               | 3023N                               | 10825E       | 56.9         | 109.1             | GGGG        |                     |                      | 136                     | 38                     |
| 2467-02340        | 00000/0000                                     | 2-20024/1238     | 05/03/76       | 90              | 6503                               | 2847N                               | 10800E       | 57.1         | 106.7             | GGGG        |                     |                      | 136                     | 39                     |
| 2467-02342        | 00000/0000                                     | 2-20024/1239     | 05/03/76       | 100             | 6503                               | 2711N                               | 10736E       | 57.3         | 104.3             | GGGG        |                     |                      | 136                     | 40                     |
| 2467-02345        | 00000/0000                                     | 2-20024/1240     | 05/03/76       | 100             | 6503                               | 2605N                               | 10713E       | 57.4         | 101.9             | GGGG        |                     |                      | 136                     | 41                     |
| 2467-04085        | 00000/0000                                     | 2-20024/1580     | 05/03/76       | 50              | 6504                               | 5724N                               | 09328E       | 44.7         | 147.5             | GGGG        |                     |                      | 136                     | 42                     |
| 2467-04092        | 00000/0000                                     | 2-20024/1581     | 05/03/76       | 60              | 6504                               | 5600N                               | 09237E       | 45.7         | 145.7             | GGGG        |                     |                      | 154                     | 20                     |
| 2467-04094        | 00000/0000                                     | 2-20024/1221     | 05/03/76       | 80              | 6504                               | 5435N                               | 09149E       | 46.6         | 144.0             | GGGG        |                     |                      | 154                     | 21                     |
| 2467-04101        | 00000/0000                                     | 2-20024/1241     | 05/03/76       | 90              | 6504                               | 5311N                               | 09104E       | 47.5         | 142.2             | GGGG        |                     |                      | 154                     | 22                     |
| 2467-04103        | 00000/0000                                     | 2-20024/1242     | 05/03/76       | 60              | 6504                               | 5147N                               | 09022E       | 48.4         | 140.4             | GGGG        |                     |                      | 154                     | 23                     |
| 2467-04110        | 00000/0000                                     | 2-20024/1243     | 05/03/76       | 70              | 6504                               | 5022N                               | 08941E       | 49.2         | 138.6             | GGGG        |                     |                      | 154                     | 24                     |
| 2467-04124        | 00000/0000                                     | 2-20024/1244     | 05/03/76       | 70              | 6504                               | 4441N                               | 08715E       | 52.2         | 131.0             | GGGG        |                     |                      | 154                     | 25                     |
| 2467-04130        | 00000/0000                                     | 2-20024/1245     | 05/03/76       | 30              | 6504                               | 4316N                               | 08643E       | 52.9         | 129.0             | GGGG        |                     |                      | 154                     | 29                     |
| 2467-04133        | 00000/0000                                     | 2-20024/1246     | 05/03/76       | 30              | 6504                               | 4151N                               | 08612E       | 53.5         | 127.0             | GGGG        |                     |                      | 154                     | 30                     |
| 2467-05523        | 00000/0000                                     | 2-20024/0883     | 05/03/76       | 20              | 6505                               | 5559N                               | 06647E       | 45.7         | 145.7             | GGGG        |                     |                      | 172                     | 31                     |
| 2467-05530        | 00000/0000                                     | 2-20024/0884     | 05/03/76       | 10              | 6505                               | 5435N                               | 06559E       | 46.6         | 143.9             | GGGG        |                     |                      | 172                     | 21                     |
| 2467-05532        | 00000/0000                                     | 2-20024/0885     | 05/03/76       | 10              | 6505                               | 5310N                               | 06514E       | 47.5         | 142.2             | GGGG        |                     |                      | 172                     | 22                     |
| 2467-05535        | 00000/0000                                     | 2-20024/0886     | 05/03/76       | 20              | 6505                               | 5146N                               | 06431E       | 48.4         | 140.4             | GGGG        |                     |                      | 172                     | 23                     |
| 2467-05541        | 00000/0000                                     | 2-20024/0887     | 05/03/76       | 30              | 6505                               | 5021N                               | 06350E       | 49.2         | 138.6             | GGGG        |                     |                      | 172                     | 24                     |
| 2467-05562        | 00000/0000                                     | 2-20024/0888     | 05/03/76       | 20              | 6505                               | 4315N                               | 06052E       | 52.9         | 129.0             | GGGG        |                     |                      | 172                     | 25                     |
| 2467-05564        | 00000/0000                                     | 2-20024/0889     | 05/03/76       | 20              | 6505                               | 4140N                               | 06021E       | 53.6         | 127.0             | GGGG        |                     |                      | 172                     | 30                     |
| 2467-05571        | 00000/0000                                     | 2-20024/0890     | 05/03/76       | 10              | 6505                               | 4024N                               | 05951E       | 54.2         | 124.9             | GGGG        |                     |                      | 172                     | 31                     |
| 2467-05573        | 00000/0000                                     | 2-20024/0891     | 05/03/76       | 10              | 6505                               | 3858N                               | 05922E       | 54.7         | 122.7             | GGGG        |                     |                      | 172                     | 32                     |
| 2467-05580        | 00000/0000                                     | 2-20024/0892     | 05/03/76       | 0               | 6505                               | 3733N                               | 05854E       | 55.2         | 120.5             | GGGG        |                     |                      | 172                     | 33                     |
| 2467-05582        | 00000/0000                                     | 2-20024/0893     | 05/03/76       | 0               | 6505                               | 3607N                               | 05826E       | 55.7         | 118.3             | GGGG        |                     |                      | 172                     | 34                     |
| 2467-05585        | 00000/0000                                     | 2-20024/0894     | 05/03/76       | 0               | 6505                               | 3441N                               | 05800E       | 56.1         | 116.0             | GGGG        |                     |                      | 172                     | 35                     |
| 2467-05591        | 00000/0000                                     | 2-20024/0895     | 05/03/76       | 0               | 6505                               | 3315N                               | 05734E       | 56.4         | 113.7             | GGGG        |                     |                      | 172                     | 36                     |
| 2467-05594        | 00000/0000                                     | 2-20024/0896     | 05/03/76       | 10              | 6505                               | 3149N                               | 05709E       | 56.7         | 111.4             | GGGG        |                     |                      | 172                     | 37                     |
| 2467-06000        | 00000/0000                                     | 2-20024/0897     | 05/03/76       | 10              | 6505                               | 3023N                               | 05644E       | 57.0         | 109.0             | GGGG        |                     |                      | 172                     | 38                     |
| 2467-06003        | 00000/0000                                     | 2-20024/0898     | 05/03/76       | 20              | 6505                               | 2846N                               | 05620E       | 57.2         | 106.6             | GGGG        |                     |                      | 172                     | 39                     |
| 2467-06005        | 00000/0000                                     | 2-20024/0899     | 05/03/76       | 0               | 6505                               | 2730N                               | 05556E       | 57.3         | 104.2             | GGGG        |                     |                      | 172                     | 40                     |
| 2467-06012        | 00000/0000                                     | 2-20024/0900     | 05/03/76       | 0               | 6505                               | 2604N                               | 05533E       | 57.4         | 101.8             | GGGG        |                     |                      | 172                     | 41                     |
| 2467-07335        | 00000/0000                                     | 2-20024/0901     | 05/03/76       | 90              | 6506                               | 6254N                               | 04557E       | 40.9         | 154.6             | GGGG        |                     |                      | 190                     | 42                     |
| 2467-07341        | 00000/0000                                     | 2-20024/0902     | 05/03/76       | 90              | 6506                               | 6132N                               | 04449E       | 41.9         | 152.8             | GGGG        |                     |                      | 190                     | 17                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FOR NPN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2467-07344        | 00000/0000                   | 2-20024/1285                | 05/03/76         | 70             | 6506             | 6009N                              | 04346E                              | 42.9         | 151.0        | FGGG                               |                     |                      | 190                     | 18                     |
| 2467-07350        | 00000/0000                   | 2-20024/1286                | 05/03/76         | 20             | 6506             | 5846N                              | 04247E                              | 43.8         | 149.2        | GGGG                               |                     |                      | 190                     | 19                     |
| 2467-07353        | 00000/0000                   | 2-20024/1539                | 05/03/76         | 10             | 6506             | 5722N                              | 04152E                              | 44.8         | 147.4        | GGGG                               |                     |                      | 190                     | 20                     |
| 2467-07355        | 00000/0000                   | 2-20024/1540                | 05/03/76         | 40             | 6506             | 5558N                              | 04100E                              | 45.7         | 145.7        | GGGG                               |                     |                      | 190                     | 21                     |
| 2467-07362        | 00000/0000                   | 2-20024/1541                | 05/03/76         | 30             | 6506             | 5434N                              | 04012E                              | 46.6         | 143.9        | GGGG                               |                     |                      | 190                     | 22                     |
| 2467-07364        | 00000/0000                   | 2-20024/1542                | 05/03/76         | 30             | 6506             | 5311N                              | 03927E                              | 47.5         | 142.2        | GGGG                               |                     |                      | 190                     | 23                     |
| 2467-07371        | 00000/0000                   | 2-20024/1543                | 05/03/76         | 10             | 6506             | 5147N                              | 03845E                              | 48.4         | 140.4        | GGGG                               |                     |                      | 190                     | 24                     |
| 2467-07373        | 00000/0000                   | 2-20024/1544                | 05/03/76         | 10             | 6506             | 5022N                              | 03805E                              | 49.2         | 138.6        | GGGG                               |                     |                      | 190                     | 25                     |
| 2467-07380        | 00000/0000                   | 2-20024/1545                | 05/03/76         | 20             | 6506             | 4858N                              | 03726E                              | 50.0         | 136.7        | GGGG                               |                     |                      | 190                     | 26                     |
| 2467-07382        | 00000/0000                   | 2-20024/1546                | 05/03/76         | 10             | 6506             | 4733N                              | 03649E                              | 50.8         | 134.8        | GGGG                               |                     |                      | 190                     | 27                     |
| 2467-07385        | 00000/0000                   | 2-20024/1547                | 05/03/76         | 0              | 6506             | 4608N                              | 03614E                              | 51.6         | 132.9        | GGGG                               |                     |                      | 190                     | 28                     |
| 2467-07391        | 00000/0000                   | 2-20024/1548                | 05/03/76         | 0              | 6506             | 4442N                              | 03540E                              | 52.3         | 131.0        | GGGG                               |                     |                      | 190                     | 29                     |
| 2467-09205        | 00000/0000                   | 2-20024/1287                | 05/03/76         | 90             | 6507             | 5021N                              | 01212E                              | 49.3         | 138.5        | FGFG                               |                     |                      | 208                     | 25                     |
| 2467-09211        | 00000/0000                   | 2-20024/1288                | 05/03/76         | 80             | 6507             | 4856N                              | 01134E                              | 50.1         | 136.7        | FGFG                               |                     |                      | 208                     | 26                     |
| 2467-09214        | 00000/0000                   | 2-20024/1289                | 05/03/76         | 40             | 6507             | 4731N                              | 01057E                              | 50.8         | 134.8        | GGFG                               |                     |                      | 208                     | 27                     |
| 2467-09220        | 00000/0000                   | 2-20024/1290                | 05/03/76         | 10             | 6507             | 4606N                              | 01022E                              | 51.6         | 132.9        | GGFG                               |                     |                      | 208                     | 28                     |
| 2467-09314        | 00000/0000                   | 2-20024/1291                | 05/03/76         | 10             | 6507             | 1304N                              | 00039E                              | 55.5         | 81.1         | GGGF                               |                     |                      | 208                     | 51                     |
| 2467-09320        | 00000/0000                   | 2-20024/1292                | 05/03/76         | 20             | 6507             | 1138N                              | 00019E                              | 55.0         | 79.1         | GGFG                               |                     |                      | 208                     | 52                     |
| 2467-09323        | 00000/0000                   | 2-20024/1293                | 05/03/76         | 30             | 6507             | 1011N                              | 00001W                              | 54.5         | 77.1         | GGGG                               |                     |                      | 208                     | 53                     |
| 2467-09325        | 00000/0000                   | 2-20024/1294                | 05/03/76         | 20             | 6507             | 0844N                              | 00021W                              | 53.9         | 75.2         | GGGG                               |                     |                      | 208                     | 54                     |
| 2467-10545        | 00000/0000                   | 2-20024/1295                | 05/03/76         | 20             | 6508             | 7847N                              | 03013E                              | 26.6         | 196.2        | GGGF                               |                     |                      | 225                     | 3                      |
| 2467-10552        | 00000/0000                   | 2-20024/1296                | 05/03/76         | 60             | 6508             | 7751N                              | 02434E                              | 27.8         | 190.3        | FGFG                               |                     |                      | 225                     | 4                      |
| 2467-10554        | 00000/0000                   | 2-20024/1297                | 05/03/76         | 50             | 6508             | 7650N                              | 01945E                              | 28.9         | 185.2        | GGGG                               |                     |                      | 225                     | 5                      |
| 2467-10561        | 00000/0000                   | 2-20024/1298                | 05/03/76         | 20             | 6508             | 7544N                              | 01537E                              | 30.1         | 180.8        | GGGG                               |                     |                      | 226                     | 6                      |
| 2467-12372        | 00000/0000                   | 2-20024/1299                | 05/03/76         | 10             | 6509             | 8016N                              | 01818E                              | 24.3         | 210.5        | GGGG                               |                     |                      | 243                     | 1                      |
| 2467-12374        | 00000/0000                   | 2-20024/1300                | 05/03/76         | 10             | 6509             | 7936N                              | 01049E                              | 25.5         | 202.8        | GGGF                               |                     |                      | 243                     | 2                      |
| 2467-14235        | 00000/0000                   | 2-20024/1301                | 05/03/76         | 30             | 6510             | 7208N                              | 04520W                              | 33.5         | 170.4        | GGFG                               |                     |                      | 11                      | 9                      |
| 2467-14242        | 00000/0000                   | 2-20024/1321                | 05/03/76         | 0              | 6510             | 7052N                              | 04740W                              | 34.6         | 167.6        | FFFF                               |                     |                      | 11                      | 10                     |
| 2467-14244        | 00000/0000                   | 2-20024/1322                | 05/03/76         | 0              | 6510             | 6934N                              | 04944W                              | 35.7         | 165.1        | FGGG                               |                     |                      | 11                      | 11                     |
| 2467-14251        | 00000/0000                   | 2-20024/1323                | 05/03/76         | 0              | 6510             | 6815N                              | 05135W                              | 36.8         | 162.7        | GGG                                |                     |                      | 11                      | 12                     |
| 2467-14253        | 00000/0000                   | 2-20024/1324                | 05/03/76         | 10             | 6510             | 6656N                              | 05314W                              | 37.8         | 160.5        | GG                                 |                     |                      | 11                      | 13                     |
| 2467-14301        | 00000/0000                   | 2-20024/1361                | 05/03/76         | 10             | 6510             | 5144N                              | 06433W                              | 48.5         | 140.3        | GG                                 |                     |                      | 11                      | 24                     |
| 2467-14303        | 00000/0000                   | 2-20024/1362                | 05/03/76         | 50             | 6510             | 5020N                              | 06513W                              | 49.3         | 138.5        | GGGG                               |                     |                      | 11                      | 25                     |
| 2467-14310        | 00000/0000                   | 2-20024/1363                | 05/03/76         | 50             | 6510             | 4855N                              | 06552W                              | 50.1         | 136.6        | GGGG                               |                     |                      | 11                      | 26                     |
| 2467-14335        | 00000/0000                   | 2-20024/1364                | 05/03/76         | 90             | 6510             | 3857N                              | 06941W                              | 54.8         | 122.6        | GGGG                               |                     |                      | 11                      | 33                     |
| 2467-14342        | 00000/0000                   | 2-20024/1365                | 05/03/76         | 90             | 6510             | 3731N                              | 07009W                              | 55.3         | 120.4        | GGGG                               |                     |                      | 11                      | 34                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RLL<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|---------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2467-14344        | 00000/0000                   | 2-20024/1366               | 05/03/76         | 90             | 6510          | 3605N                        | 07036W        | 55.8         | 118.1        | GGGG                               |                     |                      | 11                      | 35                     |
| 2467-14351        | 00000/0000                   | 2-20024/1367               | 05/03/76         | 100            | 6510          | 3439N                        | 07103W        | 56.2         | 118.9        | GGGG                               |                     |                      | 11                      | 36                     |
| 2467-14353        | 00000/0000                   | 2-20024/1368               | 05/03/76         | 100            | 6510          | 3313N                        | 07130W        | 56.5         | 113.5        | GGGG                               |                     |                      | 11                      | 37                     |
| 2467-14360        | 00000/0000                   | 2-20024/1369               | 05/03/76         | 100            | 6510          | 3147N                        | 07155W        | 56.8         | 111.2        | GGGG                               |                     |                      | 11                      | 38                     |
| 2467-14362        | 00000/0000                   | 2-20024/1370               | 05/03/76         | 100            | 6510          | 3021N                        | 07220W        | 57.0         | 108.8        | GGGG                               |                     |                      | 11                      | 39                     |
| 2467-14365        | 00000/0000                   | 2-20024/1371               | 05/03/76         | 90             | 6510          | 2855N                        | 07243W        | 57.2         | 106.4        | GGGG                               |                     |                      | 11                      | 40                     |
| 2467-14371        | 00000/0000                   | 2-20024/1372               | 05/03/76         | 90             | 6510          | 2729N                        | 07307W        | 57.4         | 104.0        | GGGG                               |                     |                      | 11                      | 41                     |
| 2467-14374        | 00000/0000                   | 2-20024/1376               | 05/03/76         | 70             | 6510          | 2602N                        | 07331W        | 57.4         | 101.6        | GG                                 |                     |                      | 11                      | 42                     |
| 2467-14380        | 00000/0000                   | 2-20024/1373               | 05/03/76         | 50             | 6510          | 2436N                        | 07354W        | 57.4         | 99.2         | GGGG                               | H                   |                      | 11                      | 43                     |
| 2467-14383        | 00000/0000                   | 2-20024/1374               | 05/03/76         | 50             | 6510          | 2309N                        | 07416W        | 57.4         | 96.8         | GGGG                               | H                   |                      | 11                      | 44                     |
| 2467-14385        | 00000/0000                   | 2-20024/1375               | 05/03/76         | 40             | 6510          | 2142N                        | 07438W        | 57.3         | 94.4         | GGGG                               | H                   |                      | 11                      | 45                     |
| 2467-16135        | 00000/0000                   | 2-20024/1137               | 05/03/76         | 0              | 6511          | 5020N                        | 09103W        | 49.3         | 138.5        | GGGG                               |                     |                      | 29                      | 25                     |
| 2467-16212        | 00000/0000                   | 2-20024/1377               | 05/03/76         | 30             | 6511          | 2436N                        | 09441W        | 57.4         | 99.2         | GGFG                               |                     |                      | 29                      | 43                     |
| 2467-17555        | 00000/0000                   | 2-20024/1247               | 05/03/76         | 10             | 6512          | 5434N                        | 11442W        | 46.8         | 143.8        | GGGG                               |                     |                      | 47                      | 22                     |
| 2467-17562        | 00000/0000                   | 2-20024/1248               | 05/03/76         | 10             | 6512          | 5309N                        | 11528W        | 47.7         | 142.1        | GGGG                               |                     |                      | 47                      | 23                     |
| 2467-17564        | 00000/0000                   | 2-20024/1249               | 05/03/76         | 10             | 6512          | 5145N                        | 11611W        | 48.5         | 140.3        | GGGG                               |                     |                      | 47                      | 24                     |
| 2467-17571        | 00000/0000                   | 2-20024/1250               | 05/03/76         | 80             | 6512          | 5020N                        | 11651W        | 49.4         | 138.4        | GGGG                               |                     |                      | 47                      | 25                     |
| 2467-21134        | 00000/0000                   | 2-20024/0874               | 05/03/76         | 60             | 6514          | 8017N                        | 11030W        | 25.4         | 210.7        | GGGG                               |                     |                      | 69                      | 248                    |
| 2467-21140        | 00000/0000                   | 2-20024/0875               | 05/03/76         | 80             | 6514          | 7948N                        | 11002W        | 25.6         | 203.1        | GGGG                               |                     |                      | 82                      | 2                      |
| 2467-21143        | 00000/0000                   | 2-20024/0876               | 05/03/76         | 90             | 6514          | 7849N                        | 12435W        | 26.7         | 196.3        | GGGG                               |                     |                      | 82                      | 3                      |
| 2467-21145        | 00000/0000                   | 2-20024/0877               | 05/03/76         | 90             | 6514          | 7753N                        | 13014W        | 27.9         | 190.4        | GGGG                               |                     |                      | 82                      | 4                      |
| 2467-21152        | 00000/0000                   | 2-20024/0878               | 05/03/76         | 60             | 6514          | 7651N                        | 13504W        | 29.0         | 185.3        | GGGG                               |                     |                      | 82                      | 5                      |
| 2467-21154        | 00000/0000                   | 2-20024/0879               | 05/03/76         | 10             | 6514          | 7545N                        | 13912W        | 30.2         | 180.9        | GGGG                               |                     |                      | 83                      | 6                      |
| 2467-21161        | 00000/0000                   | 2-20024/0880               | 05/03/76         | 0              | 6514          | 7436N                        | 14246W        | 31.3         | 177.0        | GGGG                               |                     |                      | 83                      | 7                      |
| 2467-21163        | 00000/0000                   | 2-20024/0881               | 05/03/76         | 0              | 6514          | 7324N                        | 14551W        | 32.4         | 173.6        | GGGG                               |                     |                      | 83                      | 8                      |
| 2467-21170        | 00000/0000                   | 2-20024/0882               | 05/03/76         | 0              | 6514          | 7210N                        | 14832W        | 33.5         | 170.5        | GGGG                               |                     |                      | 83                      | 9                      |
| 2468-02394        | 00000/0000                   | 2-20024/1325               | 05/04/76         | 30             | 6516          | 5146N                        | 14034E        | 48.6         | 140.3        | GGG                                |                     |                      | 119                     | 24                     |
| 2468-02330        | 00000/0000                   | 2-20024/1326               | 05/04/76         | 10             | 6517          | 5146N                        | 11444E        | 48.6         | 140.2        | FGGG                               |                     |                      | 137                     | 24                     |
| 2468-02333        | 00000/0000                   | 2-20024/1327               | 05/04/76         | 10             | 6517          | 5021N                        | 11403E        | 49.5         | 138.4        | GGGG                               |                     |                      | 137                     | 25                     |
| 2468-02360        | 00000/0000                   | 2-20024/1320               | 05/04/76         | 60             | 6517          | 4150N                        | 11035E        | 53.8         | 126.7        | G GG                               |                     |                      | 137                     | 31                     |
| 2468-02362        | 00000/0000                   | 2-20024/1328               | 05/04/76         | 40             | 6517          | 4024N                        | 11005E        | 54.4         | 124.6        | GGGG                               |                     |                      | 137                     | 32                     |
| 2468-02365        | 00000/0000                   | 2-20024/1329               | 05/04/76         | 30             | 6517          | 3858N                        | 10935E        | 54.9         | 122.4        | GGGG                               |                     |                      | 137                     | 33                     |
| 2468-02371        | 00000/0000                   | 2-20024/1330               | 05/04/76         | 30             | 6517          | 3732N                        | 10907E        | 55.4         | 120.2        | GGFG                               |                     |                      | 137                     | 34                     |
| 2468-02374        | 00000/0000                   | 2-20024/1331               | 05/04/76         | 10             | 6517          | 3606N                        | 10839E        | 55.8         | 118.0        | FGGG                               |                     |                      | 137                     | 35                     |
| 2468-02380        | 00000/0000                   | 2-20024/1332               | 05/04/76         | 30             | 6517          | 3440N                        | 10813E        | 56.2         | 115.7        | FGGG                               |                     |                      | 137                     | 36                     |
| 2468-02383        | 00000/0000                   | 2-20024/1333               | 05/04/76         | 60             | 6517          | 3315N                        | 10748E        | 56.6         | 113.4        | FFFG                               |                     |                      | 137                     | 37                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2468-02385        | 00000/0000                   | 2-20024/1334                | 05/04/76         | 70             | 6517            | 3149N                        | 10723E        | 56.9         | 111.0        | GGFG                  |                     |                      | 137                     | 38                     |
| 2468-02392        | 00000/0000                   | 2-20024/1335                | 05/04/76         | 90             | 6517            | 3023N                        | 10458E        | 57.1         | 108.6        | GGFF                  |                     |                      | 137                     | 39                     |
| 2468-02394        | 00000/0000                   | 2-20024/1336                | 05/04/76         | 90             | 6517            | 2857N                        | 10633E        | 57.3         | 106.2        | FFGF                  |                     |                      | 137                     | 40                     |
| 2468-02401        | 00000/0000                   | 2-20024/1337                | 05/04/76         | 100            | 6517            | 2730N                        | 10610E        | 57.4         | 103.8        | FFFG                  |                     |                      | 137                     | 41                     |
| 2468-02403        | 00000/0000                   | 2-20024/1338                | 05/04/76         | 90             | 6517            | 2604N                        | 10547E        | 57.5         | 101.4        | FFFG                  |                     |                      | 137                     | 42                     |
| 2468-04141        | 00000/0000                   | 2-20024/1339                | 05/04/76         | 10             | 6518            | 5845N                        | 09257E        | 44.1         | 149.1        | GFGG                  |                     |                      | 155                     | 19                     |
| 2468-04144        | 00000/0000                   | 2-20024/1340                | 05/04/76         | 10             | 6518            | 5722N                        | 09202E        | 45.0         | 147.3        | GGGG                  |                     |                      | 155                     | 20                     |
| 2468-04150        | 00000/0000                   | 2-20024/1341                | 05/04/76         | 10             | 6518            | 5558N                        | 09110E        | 46.0         | 145.6        | GGGG                  |                     |                      | 155                     | 21                     |
| 2468-04153        | 00000/0000                   | 2-20024/1342                | 05/04/76         | 20             | 6518            | 5434N                        | 09022E        | 46.9         | 143.8        | GGGG                  |                     |                      | 155                     | 22                     |
| 2468-04155        | 00000/0000                   | 2-20024/1343                | 05/04/76         | 10             | 6518            | 5309N                        | 08937E        | 47.8         | 142.0        | GGGG                  |                     |                      | 155                     | 23                     |
| 2468-04162        | 00000/0000                   | 2-20024/1344                | 05/04/76         | 10             | 6518            | 5145N                        | 08854E        | 48.6         | 140.2        | GGGG                  |                     |                      | 155                     | 24                     |
| 2468-04164        | 00000/0000                   | 2-20024/1345                | 05/04/76         | 10             | 6518            | 5020N                        | 08814E        | 49.5         | 138.4        | GGGG                  |                     |                      | 155                     | 25                     |
| 2468-04171        | 00000/0000                   | 2-20024/1346                | 05/04/76         | 30             | 6518            | 4855N                        | 08736E        | 50.3         | 136.5        | GGGG                  |                     |                      | 155                     | 26                     |
| 2468-04173        | 00000/0000                   | 2-20024/1347                | 05/04/76         | 10             | 6518            | 4730N                        | 08659E        | 51.1         | 134.6        | FFFG                  |                     |                      | 155                     | 27                     |
| 2468-04180        | 00000/0000                   | 2-20024/1348                | 05/04/76         | 40             | 6518            | 4605N                        | 08623E        | 51.8         | 132.7        | GGGG                  |                     |                      | 155                     | 28                     |
| 2468-04182        | 00000/0000                   | 2-20024/1349                | 05/04/76         | 30             | 6518            | 4440N                        | 08550E        | 52.5         | 130.7        | GGGG                  |                     |                      | 155                     | 29                     |
| 2468-04185        | 00000/0000                   | 2-20024/1350                | 05/04/76         | 10             | 6518            | 4315N                        | 08517E        | 53.2         | 128.7        | GGGG                  |                     |                      | 155                     | 30                     |
| 2468-05570        | 00000/0000                   | 2-20024/1387                | 05/04/76         | 20             | 6519            | 6009N                        | 06806E        | 43.1         | 150.9        | G                     |                     |                      | 173                     | 18                     |
| 2468-05573        | 00000/0000                   | 2-20024/1388                | 05/04/76         | 30             | 6519            | 5846N                        | 06708E        | 44.1         | 149.1        | G F                   |                     |                      | 173                     | 19                     |
| 2468-05575        | 00000/0000                   | 2-20024/1389                | 05/04/76         | 40             | 6519            | 5722N                        | 06613E        | 45.1         | 147.3        | GGGG                  |                     |                      | 173                     | 20                     |
| 2468-05582        | 00000/0000                   | 2-20024/1390                | 05/04/76         | 70             | 6519            | 5558N                        | 06522E        | 46.0         | 145.6        | GGGG                  |                     |                      | 173                     | 21                     |
| 2468-05584        | 00000/0000                   | 2-20024/1391                | 05/04/76         | 70             | 6519            | 5434N                        | 06434E        | 46.9         | 143.8        | GGGG                  |                     |                      | 173                     | 22                     |
| 2468-05591        | 00000/0000                   | 2-20024/1392                | 05/04/76         | 20             | 6519            | 5310N                        | 06349E        | 47.8         | 142.0        | FGGG                  |                     |                      | 173                     | 23                     |
| 2468-05593        | 00000/0000                   | 2-20024/1393                | 05/04/76         | 0              | 6519            | 5145N                        | 06306E        | 48.7         | 140.2        | GFGG                  |                     |                      | 173                     | 24                     |
| 2468-06000        | 00000/0000                   | 2-20024/1378                | 05/04/76         | 0              | 6519            | 5020N                        | 06225E        | 49.5         | 138.4        | G                     |                     |                      | 173                     | 25                     |
| 2468-06002        | 00000/0000                   | 2-20024/1379                | 05/04/76         | 0              | 6519            | 4855N                        | 06147E        | 50.3         | 136.5        | FGGG                  |                     |                      | 173                     | 26                     |
| 2468-06020        | 00000/0000                   | 2-20024/1380                | 05/04/76         | 20             | 6519            | 4314N                        | 05929E        | 53.2         | 128.7        | FGGG                  |                     |                      | 173                     | 30                     |
| 2468-06023        | 00000/0000                   | 2-20024/1381                | 05/04/76         | 10             | 6519            | 4149N                        | 05858E        | 53.8         | 126.6        | GGGG                  |                     |                      | 173                     | 31                     |
| 2468-06025        | 00000/0000                   | 2-20024/1382                | 05/04/76         | 20             | 6519            | 4024N                        | 05828E        | 54.4         | 124.5        | GGGG                  |                     |                      | 173                     | 32                     |
| 2468-06032        | 00000/0000                   | 2-20024/1383                | 05/04/76         | 20             | 6519            | 3858N                        | 05759E        | 54.9         | 122.4        | GGFG                  |                     |                      | 173                     | 33                     |
| 2468-06034        | 00000/0000                   | 2-20024/1384                | 05/04/76         | 10             | 6519            | 3732N                        | 05731E        | 55.4         | 120.2        | GGGG                  |                     |                      | 173                     | 34                     |
| 2468-06041        | 00000/0000                   | 2-20024/1385                | 05/04/76         | 20             | 6519            | 3606N                        | 05703E        | 55.9         | 117.9        | GGGG                  |                     |                      | 173                     | 35                     |
| 2468-06043        | 00000/0000                   | 2-20024/1386                | 05/04/76         | 80             | 6519            | 3440N                        | 05636E        | 56.3         | 115.6        | GGGG                  |                     |                      | 173                     | 36                     |
| 2468-06050        | 00000/0000                   | 2-20024/1394                | 05/04/76         | 10             | 6519            | 3314N                        | 05610E        | 56.6         | 113.3        | GGGG                  |                     |                      | 173                     | 37                     |
| 2468-06052        | 00000/0000                   | 2-20024/1395                | 05/04/76         | 10             | 6519            | 3148N                        | 05544E        | 56.9         | 110.9        | GGGG                  |                     |                      | 173                     | 38                     |
| 2468-06055        | 00000/0000                   | 2-20024/1396                | 05/04/76         | 30             | 6519            | 3022N                        | 05519E        | 57.1         | 108.6        | GGG                   |                     |                      | 173                     | 39                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = X CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>MSS | MSS<br>DATA | MSS<br>IMAGE | ORBIT<br>PATH | FRAME<br>ROW |
|-------------------|------------------------------------------------|--------------|------------------|-----------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|------------|-------------|--------------|---------------|--------------|
|                   |                                                |              |                  |                       |                                    |                                     |              |              | 123               | 45678      | MODE        | GAIN         | NUMBER        | NUMBER       |
| 2468-06051        | 00000/0000                                     | 2-20024/1397 | 05/04/76         | 20                    | 6519                               | 2855N                               | 05455E       | 57.3         | 106.2             | GGGG       |             |              | 173           | 40           |
| 2468-06064        | 00000/0000                                     | 2-20024/1398 | 05/04/76         | 10                    | 6519                               | 2729N                               | 05431E       | 57.4         | 103.7             | GGGG       |             |              | 173           | 41           |
| 2468-07393        | 00000/0000                                     | 2-20024/1452 | 05/04/76         | 10                    | 6520                               | 6253N                               | 04427E       | 41.2         | 154.5             | GGGG       |             |              | 191           | 16           |
| 2468-07395        | 00000/0000                                     | 2-20024/1453 | 05/04/76         | 10                    | 6520                               | 6131N                               | 04319E       | 42.2         | 152.7             | GGGG       |             |              | 191           | 17           |
| 2468-07402        | 00000/0000                                     | 2-20024/1454 | 05/04/76         | 40                    | 6520                               | 6007N                               | 04216E       | 43.2         | 150.9             | GGGG       |             |              | 191           | 18           |
| 2468-07404        | 00000/0000                                     | 2-20024/1455 | 05/04/76         | 40                    | 6520                               | 5844N                               | 04117E       | 44.1         | 149.1             | GGGG       |             |              | 191           | 19           |
| 2468-07411        | 00000/0000                                     | 2-20024/1456 | 05/04/76         | 90                    | 6520                               | 5721N                               | 04023E       | 45.1         | 147.3             | GGGG       |             |              | 191           | 20           |
| 2468-07413        | 00000/0000                                     | 2-20024/1352 | 05/04/76         | 80                    | 6520                               | 5557N                               | 03932E       | 46.0         | 145.5             | GGGG       |             |              | 191           | 21           |
| 2468-07420        | 00000/0000                                     | 2-20024/1353 | 05/04/76         | 80                    | 6520                               | 5434N                               | 03844E       | 46.9         | 143.8             | GGGG       |             |              | 191           | 22           |
| 2468-07422        | 00000/0000                                     | 2-20024/1354 | 05/04/76         | 90                    | 6520                               | 5349N                               | 03759E       | 47.8         | 142.0             | GGGG       |             |              | 191           | 23           |
| 2468-07425        | 00000/0000                                     | 2-20024/1355 | 05/04/76         | 70                    | 6520                               | 5145N                               | 03717E       | 48.7         | 140.2             | GGGG       |             |              | 191           | 24           |
| 2468-07431        | 00000/0000                                     | 2-20024/1356 | 05/04/76         | 40                    | 6520                               | 5021N                               | 03637E       | 49.5         | 138.4             | GGGG       |             |              | 191           | 25           |
| 2468-07434        | 00000/0000                                     | 2-20024/1357 | 05/04/76         | 60                    | 6520                               | 4846N                               | 03558E       | 50.3         | 136.5             | GGGG       |             |              | 191           | 26           |
| 2468-07440        | 00000/0000                                     | 2-20024/1358 | 05/04/76         | 30                    | 6520                               | 4732N                               | 03521E       | 51.1         | 134.6             | GGGG       |             |              | 191           | 27           |
| 2468-07443        | 00000/0000                                     | 2-20024/1359 | 05/04/76         | 70                    | 6520                               | 4606N                               | 03446E       | 51.8         | 132.7             | GGGG       |             |              | 191           | 28           |
| 2468-07445        | 00000/0000                                     | 2-20024/1360 | 05/04/76         | 90                    | 6520                               | 4441N                               | 03412E       | 52.5         | 130.7             | GGGG       |             |              | 191           | 29           |
| 2468-11001        | 00000/0000                                     | 2-20024/1457 | 05/04/76         | 80                    | 6522                               | 7937N                               | 03527E       | 25.7         | 203.1             | GGGG       |             |              | 226           | 2            |
| 2468-11003        | 00000/0000                                     | 2-20024/1458 | 05/04/76         | 40                    | 6522                               | 7849N                               | 02854E       | 26.9         | 196.3             | GGGG       |             |              | 226           | 3            |
| 2468-11010        | 00000/0000                                     | 2-20024/1459 | 05/04/76         | 50                    | 6522                               | 7742N                               | 02315E       | 28.0         | 190.5             | GGGG       |             |              | 226           | 4            |
| 2468-11012        | 00000/0000                                     | 2-20024/1460 | 05/04/76         | 30                    | 6522                               | 7651N                               | 01827E       | 29.2         | 185.4             | GGGG       |             |              | 226           | 5            |
| 2468-11015        | 00000/0000                                     | 2-20024/1461 | 05/04/76         | 40                    | 6522                               | 7546N                               | 01419E       | 30.3         | 180.9             | GGGG       |             |              | 226           | 6            |
| 2468-14262        | 00000/0000                                     | 2-20024/1462 | 05/04/76         | 40                    | 6524                               | 5017N                               | 00843W       | 24.6         | 210.7             | GGGG       |             |              | 249           | 248          |
| 2468-14264        | 00000/0000                                     | 2-20024/1463 | 05/04/76         | 50                    | 6524                               | 4937N                               | 01614W       | 25.8         | 203.0             | GGGG       |             |              | 11            | 2            |
| 2468-14294        | 00000/0000                                     | 2-20024/1464 | 05/04/76         | 0                     | 6524                               | 4721N                               | 04644W       | 33.7         | 170.5             | GGGG       |             |              | 12            | 9            |
| 2468-14300        | 00000/0000                                     | 2-20024/1465 | 05/04/76         | 0                     | 6524                               | 4605N                               | 04905W       | 34.8         | 167.7             | GGGG       |             |              | 12            | 10           |
| 2468-14303        | 00000/0000                                     | 2-20024/1466 | 05/04/76         | 0                     | 6524                               | 4493N                               | 05110W       | 35.9         | 165.1             | GGGG       |             |              | 12            | 11           |
| 2468-14305        | 00000/0000                                     | 2-20024/1467 | 05/04/76         | 0                     | 6524                               | 4319N                               | 05301W       | 37.0         | 162.8             | GGGG       |             |              | 12            | 12           |
| 2468-14312        | 00000/0000                                     | 2-20024/1468 | 05/04/76         | 10                    | 6524                               | 4159N                               | 05441W       | 38.1         | 160.6             | GGGG       |             |              | 12            | 13           |
| 2468-14355        | 00000/0000                                     | 2-20024/1489 | 05/04/76         | 100                   | 6524                               | 5146N                               | 06559W       | 48.7         | 140.2             | GGGG       |             |              | 12            | 24           |
| 2468-14362        | 00000/0000                                     | 2-20024/1490 | 05/04/76         | 80                    | 6524                               | 5021N                               | 06640W       | 49.6         | 138.3             | GGGG       |             |              | 12            | 25           |
| 2468-14364        | 00000/0000                                     | 2-20024/1491 | 05/04/76         | 60                    | 6524                               | 4846N                               | 06718W       | 50.4         | 136.5             | GGGG       |             |              | 12            | 26           |
| 2468-14405        | 00000/0000                                     | 2-20024/1492 | 05/04/76         | 50                    | 6524                               | 3441N                               | 07229W       | 56.3         | 115.5             | GGGG       |             |              | 12            | 36           |
| 2468-14412        | 00000/0000                                     | 2-20024/1493 | 05/04/76         | 30                    | 6524                               | 3315N                               | 07255W       | 56.7         | 113.2             | GGGG       |             |              | 12            | 37           |
| 2468-14414        | 00000/0000                                     | 2-20024/1494 | 05/04/76         | 30                    | 6524                               | 3149N                               | 07321W       | 57.0         | 110.8             | GGGG       |             |              | 12            | 38           |
| 2468-14421        | 00000/0000                                     | 2-20024/1495 | 05/04/76         | 40                    | 6524                               | 3022N                               | 07346W       | 57.2         | 108.4             | GGGG       |             |              | 12            | 39           |
| 2468-14423        | 00000/0000                                     | 2-20024/1496 | 05/04/76         | 60                    | 6524                               | 2856N                               | 07410W       | 57.4         | 106.0             | GGGG       |             |              | 12            | 40           |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>POSITION IN<br>RSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|---------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2468-14430        | 00000/0000                   | 2-20024/1497                    | 05/04/76         | 90             | 6524            | 2730N                        | 07434W        | 57.5         | 103.6        | GGGG                               |                     |                      | 12                      | 41                     |
| 2468-14432        | 00000/0000                   | 2-20024/1498                    | 05/04/76         | 80             | 6524            | 2603N                        | 07457W        | 57.6         | 101.2        | GGGG                               |                     |                      | 12                      | 42                     |
| 2468-14435        | 00000/0000                   | 2-20024/1499                    | 05/04/76         | 80             | 6524            | 2437N                        | 07520W        | 57.6         | 98.8         | GGGG                               |                     |                      | 12                      | 43                     |
| 2468-14441        | 00000/0000                   | 2-20024/1500                    | 05/04/76         | 70             | 6524            | 2311N                        | 07542W        | 57.5         | 96.4         | GGGG                               |                     |                      | 12                      | 44                     |
| 2468-14444        | 00000/0000                   | 2-20024/1501                    | 05/04/76         | 70             | 6524            | 2144N                        | 07605W        | 57.4         | 94.0         | GGGG                               |                     |                      | 12                      | 45                     |
| 2468-14450        | 00000/0000                   | 2-20024/1502                    | 05/04/76         | 30             | 6524            | 2018N                        | 07626W        | 57.2         | 91.6         | GGGG                               |                     |                      | 12                      | 46                     |
| 2468-16093        | 00000/0000                   | 2-20024/1469                    | 05/04/76         | 90             | 6525            | 8017N                        | 03432W        | 24.6         | 210.7        | GGFG                               |                     |                      | 16                      | 248                    |
| 2468-18025        | 00000/0000                   | 2-20024/1351                    | 05/04/76         | 10             | 6526            | 5022N                        | 11817W        | 49.6         | 138.3        | GGGG                               |                     |                      | 48                      | 25                     |
| 2468-21192        | 00000/0000                   | 2-20024/0903                    | 05/04/76         | 0              | 6528            | 8016N                        | 11159W        | 24.7         | 210.7        | GGGG                               |                     |                      | 70                      | 248                    |
| 2468-21195        | 00000/0000                   | 2-20024/0904                    | 05/04/76         | 0              | 6528            | 7937N                        | 11927W        | 25.9         | 203.0        | GGGG                               |                     |                      | 83                      | 2                      |
| 2468-21201        | 00000/0000                   | 2-20024/0905                    | 05/04/76         | 10             | 6528            | 7848N                        | 12601W        | 27.0         | 196.2        | GGGG                               |                     |                      | 83                      | 3                      |
| 2468-21204        | 00000/0000                   | 2-20024/0906                    | 05/04/76         | 40             | 6528            | 7752N                        | 13143W        | 28.2         | 190.4        | GGGG                               |                     |                      | 83                      | 4                      |
| 2468-21210        | 00000/0000                   | 2-20024/0907                    | 05/04/76         | 30             | 6528            | 7650N                        | 13634W        | 29.3         | 185.3        | GGGG                               |                     |                      | 83                      | 5                      |
| 2468-21213        | 00000/0000                   | 2-20024/0911                    | 05/04/76         | 20             | 6528            | 7544N                        | 14041W        | 30.5         | 180.8        | G                                  |                     |                      | 84                      | 6                      |
| 2468-21215        | 00000/0000                   | 2-20024/0908                    | 05/04/76         | 0              | 6528            | 7445N                        | 14414W        | 31.6         | 177.0        | GGGG                               |                     |                      | 84                      | 7                      |
| 2468-21222        | 00000/0000                   | 2-20024/0909                    | 05/04/76         | 10             | 6528            | 7323N                        | 14718W        | 32.7         | 173.5        | GGGG                               |                     |                      | 84                      | 8                      |
| 2468-21224        | 00000/0000                   | 2-20024/0910                    | 05/04/76         | 10             | 6528            | 7249N                        | 14958W        | 33.8         | 170.4        | GGGG                               |                     |                      | 84                      | 9                      |
| 2469-00553        | 00000/0000                   | 2-20024/1503                    | 05/05/76         | 10             | 6530            | 5145N                        | 13907E        | 48.9         | 140.1        | FFFF                               |                     |                      | 120                     | 24                     |
| 2469-01073        | 00000/0000                   | 2-20024/1504                    | 05/05/76         | 30             | 6530            | 1011N                        | 12612E        | 54.5         | 76.3         | GGGG                               |                     |                      | 120                     | 53                     |
| 2469-01080        | 00000/0000                   | 2-20024/1505                    | 05/05/76         | 30             | 6530            | 0844N                        | 12553E        | 53.9         | 74.4         | GGGG                               |                     |                      | 120                     | 54                     |
| 2469-01082        | 00000/0000                   | 2-20024/1506                    | 05/05/76         | 50             | 6530            | 0717N                        | 12532E        | 53.2         | 72.6         | GGGG                               |                     |                      | 120                     | 55                     |
| 2469-02382        | 00000/0000                   | 2-20024/1507                    | 05/05/76         | 0              | 6531            | 5309N                        | 11400E        | 48.0         | 141.9        | GGGG                               |                     |                      | 138                     | 23                     |
| 2469-02384        | 00000/0000                   | 2-20024/1508                    | 05/05/76         | 0              | 6531            | 5144N                        | 11317E        | 48.9         | 140.1        | GGGG                               |                     |                      | 138                     | 24                     |
| 2469-02391        | 00000/0000                   | 2-20024/1509                    | 05/05/76         | 0              | 6531            | 5020N                        | 11237E        | 49.7         | 138.2        | GGFG                               |                     |                      | 138                     | 25                     |
| 2469-02393        | 00000/0000                   | 2-20024/1510                    | 05/05/76         | 0              | 6531            | 4855N                        | 11159E        | 50.5         | 136.3        | GGGG                               |                     |                      | 138                     | 26                     |
| 2469-02414        | 00000/0000                   | 2-20024/1511                    | 05/05/76         | 10             | 6531            | 4148N                        | 10909E        | 54.0         | 126.4        | GGGG                               |                     |                      | 138                     | 31                     |
| 2469-02420        | 00000/0000                   | 2-20024/1512                    | 05/05/76         | 10             | 6531            | 4023N                        | 10838E        | 54.6         | 124.3        | FGGG                               |                     |                      | 138                     | 32                     |
| 2469-02423        | 00000/0000                   | 2-20024/1513                    | 05/05/76         | 10             | 6531            | 3857N                        | 10809E        | 55.1         | 122.1        | GGGG                               |                     |                      | 138                     | 33                     |
| 2469-02425        | 00000/0000                   | 2-20024/1514                    | 05/05/76         | 0              | 6531            | 3731N                        | 10740E        | 55.6         | 119.9        | FGGG                               |                     |                      | 138                     | 34                     |
| 2469-02441        | 00000/0000                   | 2-20024/1515                    | 05/05/76         | 20             | 6531            | 3313N                        | 10621E        | 56.8         | 112.9        | FGGG                               |                     |                      | 138                     | 37                     |
| 2469-02443        | 00000/0000                   | 2-20024/1516                    | 05/05/76         | 10             | 6531            | 3147N                        | 10556E        | 57.1         | 110.6        | FGGG                               |                     |                      | 138                     | 38                     |
| 2469-02450        | 00000/0000                   | 2-20024/1517                    | 05/05/76         | 20             | 6531            | 3021N                        | 10531E        | 57.3         | 108.2        | GGGG                               |                     |                      | 138                     | 39                     |
| 2469-02452        | 00000/0000                   | 2-20024/1518                    | 05/05/76         | 20             | 6531            | 2855N                        | 10507E        | 57.5         | 105.7        | GGGG                               |                     |                      | 138                     | 40                     |
| 2469-02455        | 00000/0000                   | 2-20024/1519                    | 05/05/76         | 60             | 6531            | 2729N                        | 10444E        | 57.6         | 103.3        | GGGG                               |                     |                      | 138                     | 41                     |
| 2469-02461        | 00000/0000                   | 2-20024/1520                    | 05/05/76         | 80             | 6531            | 2603N                        | 10421E        | 57.6         | 100.9        | GGGG                               |                     |                      | 138                     | 42                     |
| 2469-04195        | 00000/0000                   | 2-20024/1521                    | 05/05/76         | 20             | 6532            | 5847N                        | 09133E        | 44.3         | 149.1        | GGGG                               |                     |                      | 156                     | 19                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NANAUS  
FROM 01/22/76 TO 01/22/77

PAGE 020R

| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2469-04202        | 00000/0000 2-20024/1522                        | 05/05/76         | 10             | 6532                   | 5724N                              | 09038E       | 45.3         | 147.3             | GGGG                |                      | 156                     | 20                     |
| 2469-04204        | 00000/0000 2-20024/1523                        | 05/05/76         | 10             | 6532                   | 5601N                              | 08946E       | 46.2         | 145.5             | GGGG                |                      | 156                     | 21                     |
| 2469-04211        | 00000/0000 2-20024/1524                        | 05/05/76         | 10             | 6532                   | 5437N                              | 08858E       | 47.1         | 143.7             | GGGG                |                      | 156                     | 22                     |
| 2469-04213        | 00000/0000 2-20024/1525                        | 05/05/76         | 70             | 6532                   | 5312N                              | 08812E       | 48.0         | 141.9             | GGGG                |                      | 156                     | 23                     |
| 2469-04231        | 00000/0000 2-20024/1526                        | 05/05/76         | 20             | 6532                   | 4732N                              | 08534E       | 51.3         | 134.5             | GGGG                |                      | 156                     | 27                     |
| 2469-04234        | 00000/0000 2-20024/1527                        | 05/05/76         | 10             | 6532                   | 4608N                              | 08459E       | 52.0         | 132.5             | GGGG                |                      | 156                     | 28                     |
| 2469-04240        | 00000/0000 2-20024/1528                        | 05/05/76         | 10             | 6532                   | 4443N                              | 08425E       | 52.7         | 130.6             | GGGG                |                      | 156                     | 29                     |
| 2469-04243        | 00000/0000 2-20024/1529                        | 05/05/76         | 50             | 6532                   | 4317N                              | 08353E       | 53.4         | 128.5             | GGGG                |                      | 156                     | 30                     |
| 2469-04245        | 00000/0000 2-20024/1530                        | 05/05/76         | 20             | 6532                   | 4152N                              | 08322E       | 54.0         | 126.4             | GGGG                |                      | 156                     | 31                     |
| 2469-04322        | 00000/0000 2-20024/1531                        | 05/05/76         | 0              | 6532                   | 1600N                              | 07557E       | 56.4         | 84.5              | GGGG                |                      | 156                     | 49                     |
| 2469-04325        | 00000/0000 2-20024/1532                        | 05/05/76         | 0              | 6532                   | 1435N                              | 07536E       | 56.0         | 82.4              | GGGG                |                      | 156                     | 50                     |
| 2469-07454        | 00000/0000 2-20024/1470                        | 05/05/76         | 100            | 6534                   | 6133N                              | 04156E       | 42.4         | 152.7             | GGGG                |                      | 192                     | 17                     |
| 2469-07460        | 00000/0000 2-20024/1471                        | 05/05/76         | 90             | 6534                   | 6010N                              | 04053E       | 43.4         | 150.8             | GGGG                |                      | 192                     | 18                     |
| 2469-07463        | 00000/0000 2-20024/1472                        | 05/05/76         | 90             | 6534                   | 5847N                              | 03954E       | 44.4         | 149.0             | GGGG                |                      | 192                     | 19                     |
| 2469-07465        | 00000/0000 2-20024/1473                        | 05/05/76         | 90             | 6534                   | 5723N                              | 03900E       | 45.3         | 147.3             | GGGG                |                      | 192                     | 20                     |
| 2469-07472        | 00000/0000 2-20024/1474                        | 05/05/76         | 90             | 6534                   | 5549N                              | 03809E       | 46.3         | 145.5             | GGGG                |                      | 192                     | 21                     |
| 2469-07474        | 00000/0000 2-20024/1475                        | 05/05/76         | 90             | 6534                   | 5435N                              | 03722E       | 47.2         | 143.7             | GGGG                |                      | 192                     | 22                     |
| 2469-07481        | 00000/0000 2-20024/1476                        | 05/05/76         | 90             | 6534                   | 5311N                              | 03637E       | 48.1         | 141.9             | GGGG                |                      | 192                     | 23                     |
| 2469-07483        | 00000/0000 2-20024/1477                        | 05/05/76         | 100            | 6534                   | 5146N                              | 03554E       | 48.9         | 140.1             | FFGG                |                      | 192                     | 24                     |
| 2469-07490        | 00000/0000 2-20024/1478                        | 05/05/76         | 100            | 6534                   | 5022N                              | 03513E       | 49.8         | 138.2             | FFFG                |                      | 192                     | 25                     |
| 2469-07492        | 00000/0000 2-20024/1479                        | 05/05/76         | 90             | 6534                   | 4847N                              | 03433E       | 50.6         | 136.4             | FFFF                |                      | 192                     | 26                     |
| 2469-07495        | 00000/0000 2-20024/1480                        | 05/05/76         | 90             | 6534                   | 4733N                              | 03356E       | 51.3         | 134.4             | GGGG                |                      | 192                     | 27                     |
| 2469-07501        | 00000/0000 2-20024/1481                        | 05/05/76         | 100            | 6534                   | 4608N                              | 03321E       | 52.1         | 132.5             | GGGG                |                      | 192                     | 28                     |
| 2469-11055        | 00000/0000 2-20024/1482                        | 05/05/76         | 30             | 6536                   | 7935N                              | 03401E       | 26.0         | 203.0             | GGGG                |                      | 227                     | 2                      |
| 2469-11062        | 00000/0000 2-20024/1483                        | 05/05/76         | 0              | 6536                   | 7846N                              | 02728E       | 27.2         | 196.3             | GGGG                |                      | 227                     | 3                      |
| 2469-11064        | 00000/0000 2-20024/1484                        | 05/05/76         | 20             | 6536                   | 7751N                              | 02150E       | 28.3         | 190.4             | GGGG                |                      | 227                     | 4                      |
| 2469-11071        | 00000/0000 2-20024/1485                        | 05/05/76         | 30             | 6536                   | 7650N                              | 01700E       | 29.5         | 185.3             | GGGG                |                      | 227                     | 5                      |
| 2469-11073        | 00000/0000 2-20024/1486                        | 05/05/76         | 80             | 6536                   | 7545N                              | 01251E       | 30.6         | 180.9             | GGGG                |                      | 227                     | 6                      |
| 2469-12484        | 00000/0000 2-20024/1432                        | 05/05/76         | 10             | 6537                   | 8016N                              | 01535E       | 24.9         | 210.7             | GGGG                |                      | 245                     | 1                      |
| 2469-12491        | 00000/0000 2-20024/1433                        | 05/05/76         | 10             | 6537                   | 7936N                              | 00805E       | 26.0         | 203.0             | FGGF                |                      | 245                     | 2                      |
| 2469-12493        | 00000/0000 2-20024/1434                        | 05/05/76         | 10             | 6537                   | 7847N                              | 00131E       | 27.2         | 196.3             | GGGF                |                      | 245                     | 3                      |
| 2469-12500        | 00000/0000 2-20024/1435                        | 05/05/76         | 10             | 6537                   | 7751N                              | 00407W       | 28.4         | 190.4             | GGFF                |                      | 245                     | 4                      |
| 2469-14320        | 00000/0000 2-20024/1436                        | 05/05/76         | 10             | 6538                   | 8016N                              | 01013W       | 24.9         | 210.7             | FFFF                |                      | 250                     | 248                    |
| 2469-14322        | 00000/0000 2-20024/1437                        | 05/05/76         | 20             | 6538                   | 7936N                              | 01743W       | 26.1         | 203.0             | GGGF                |                      | 12                      | 2                      |
| 2469-14325        | 00000/0000 2-20024/1438                        | 05/05/76         | 70             | 6538                   | 7847N                              | 02417W       | 27.2         | 196.2             | GGGG                |                      | 12                      | 3                      |
| 2469-14331        | 00000/0000 2-20024/1439                        | 05/05/76         | 100            | 6538                   | 7751N                              | 02953W       | 28.4         | 190.4             | FFFF                |                      | 12                      | 4                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM REEL NO./ POSITION IN REEL | DATE ACQUIRED | CLOUD COVER | ORBIT NUMBER | PRINCIPAL POINT OF IMAGE | SUN FLEV. | SUN AZIM. | IMAGE-QUAL        | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME ROW NUMBER |
|----------------|--------------------------------------|---------------|-------------|--------------|--------------------------|-----------|-----------|-------------------|---------------|----------------|-------------------|------------------|
|                | RSV                                  |               |             |              | LAT LONG                 |           |           | RSV MSS 123 45678 |               |                |                   |                  |
| 2469-14334     | 00000/0000                           | 2-20024/1440  | 05/05/76    | 100          | 6538                     | 7650N     | 03441W    | 29.5              | 185.3         |                |                   |                  |
| 2469-14352     | 00000/0000                           | 2-20024/1441  | 05/05/76    | 90           | 6538                     | 7209N     | 04809W    | 34.0              | 170.4         | FGG            | 12                | 5                |
| 2469-14354     | 00000/0000                           | 2-20024/1442  | 05/05/76    | 50           | 6538                     | 7053N     | 05031W    | 35.1              | 167.6         | GGGF           | 13                | 9                |
| 2469-14361     | 00000/0000                           | 2-20024/1443  | 05/05/76    | 10           | 6538                     | 6926N     | 05235W    | 36.2              | 165.1         | GGGF           | 13                | 10               |
| 2469-14363     | 00000/0000                           | 2-20024/1444  | 05/05/76    | 0            | 6538                     | 6817N     | 05426W    | 37.3              | 162.7         | GGGF           | 13                | 11               |
| 2469-14370     | 00000/0000                           | 2-20024/1445  | 05/05/76    | 0            | 6538                     | 6657N     | 05606W    | 38.4              | 160.5         | GGGF           | 13                | 12               |
| 2469-14422     | 00000/0000                           | 2-20024/1552  | 05/05/76    | 90           | 6538                     | 4856N     | 06844W    | 50.7              | 136.3         | GGGF           | 13                | 13               |
| 2469-14475     | 00000/0000                           | 2-20024/1553  | 05/05/76    | 20           | 6538                     | 3022N     | 07511W    | 57.4              | 108.0         | GGGF           | 13                | 26               |
| 2469-14481     | 00000/0000                           | 2-20024/1554  | 05/05/76    | 20           | 6538                     | 2856N     | 07534W    | 57.5              | 105.6         | GGGF           | 13                | 39               |
| 2469-14484     | 00000/0000                           | 2-20024/1560  | 05/05/76    | 100          | 6538                     | 2730N     | 07558W    | 57.6              | 103.1         | GG             | 13                | 40               |
| 2469-14490     | 00000/0000                           | 2-20024/1555  | 05/05/76    | 40           | 6538                     | 2603N     | 07621W    | 57.7              | 100.7         | GGGF           | 13                | 41               |
| 2469-14493     | 00000/0000                           | 2-20024/1556  | 05/05/76    | 30           | 6538                     | 2477N     | 07645W    | 57.7              | 98.2          | GGGF           | 13                | 42               |
| 2469-14495     | 00000/0000                           | 2-20024/1557  | 05/05/76    | 30           | 6538                     | 2310N     | 07708W    | 57.6              | 95.8          | GGGF           | 13                | 43               |
| 2469-14502     | 00000/0000                           | 2-20024/1558  | 05/05/76    | 40           | 6538                     | 2144N     | 07730W    | 57.5              | 93.4          | GGGF           | 13                | 44               |
| 2469-14504     | 00000/0000                           | 2-20024/1561  | 05/05/76    | 100          | 6538                     | 2018N     | 07752W    | 57.3              | 91.1          | GG             | 13                | 45               |
| 2469-14511     | 00000/0000                           | 2-20024/1559  | 05/05/76    | 10           | 6538                     | 1851N     | 07814W    | 57.0              | 88.8          | GGGF           | 13                | 46               |
| 2469-15322     | 00000/0000                           | 2-20024/1582  | 05/05/76    | 10           | 6539                     | 2604N     | 10211W    | 57.7              | 100.6         | GGGF           | 31                | 47               |
| 2469-16325     | 00000/0000                           | 2-20024/1583  | 05/05/76    | 0            | 6539                     | 2437N     | 10234W    | 57.7              | 98.2          | GGGF           | 31                | 42               |
| 2469-16331     | 00000/0000                           | 2-20024/1584  | 05/05/76    | 20           | 6539                     | 2311N     | 10257W    | 57.6              | 95.8          | GGGF           | 31                | 43               |
| 2469-16334     | 00000/0000                           | 2-20024/1585  | 05/05/76    | 20           | 6539                     | 2143N     | 10319W    | 57.5              | 93.4          | GGGF           | 31                | 44               |
| 2469-16340     | 00000/0000                           | 2-20024/1586  | 05/05/76    | 10           | 6539                     | 2017N     | 10340W    | 57.3              | 91.0          | GGGF           | 31                | 45               |
| 2469-16343     | 00000/0000                           | 2-20024/1587  | 05/05/76    | 20           | 6539                     | 1851N     | 10402W    | 57.0              | 88.7          | GGGF           | 31                | 46               |
| 2469-16345     | 00000/0000                           | 2-20024/1588  | 05/05/76    | 20           | 6539                     | 1724N     | 10423W    | 56.7              | 86.5          | GGGF           | 31                | 47               |
| 2469-16352     | 00000/0000                           | 2-20024/1589  | 05/05/76    | 10           | 6539                     | 1558N     | 10444W    | 56.4              | 84.2          | GGGF           | 31                | 48               |
| 2469-16354     | 00000/0000                           | 2-20024/1590  | 05/05/76    | 30           | 6539                     | 1431N     | 10505W    | 56.0              | 82.1          | GGGF           | 31                | 49               |
| 2470-01013     | 00000/0000                           | 2-20024/1446  | 05/06/76    | 30           | 6544                     | 5022N     | 13702E    | 50.0              | 138.1         | GGG            | 121               | 50               |
| 2470-01020     | 00000/0000                           | 2-20024/1447  | 05/06/76    | 70           | 6544                     | 4857N     | 13623E    | 50.7              | 136.2         | GGGF           | 121               | 25               |
| 2470-01022     | 00000/0000                           | 2-20024/1448  | 05/06/76    | 80           | 6544                     | 4722N     | 13546E    | 51.5              | 134.3         | GGGF           | 121               | 26               |
| 2470-01025     | 00000/0000                           | 2-20024/1449  | 05/06/76    | 80           | 6544                     | 4607N     | 13511E    | 52.2              | 132.3         | GGGF           | 121               | 27               |
| 2470-01113     | 00000/0000                           | 2-20024/1450  | 05/06/76    | 40           | 6544                     | 1600N     | 12611E    | 56.4              | 84.1          | GGGF           | 121               | 28               |
| 2470-01120     | 00000/0000                           | 2-20024/1451  | 05/06/76    | 30           | 6544                     | 1434N     | 12550E    | 56.0              | 81.9          | GGGF           | 121               | 49               |
| 2470-01122     | 00000/0000                           | 2-20024/1399  | 05/06/76    | 30           | 6544                     | 1308N     | 12529E    | 55.5              | 79.8          | GGG            | 121               | 50               |
| 2470-01125     | 00000/0000                           | 2-20024/1400  | 05/06/76    | 20           | 6544                     | 1141N     | 12508E    | 55.0              | 77.8          | G              | 121               | 51               |
| 2470-01131     | 00000/0000                           | 2-20024/1401  | 05/06/76    | 20           | 6544                     | 1014N     | 12447E    | 54.5              | 75.8          | GGGF           | 121               | 52               |
| 2470-01134     | 00000/0000                           | 2-20024/1402  | 05/06/76    | 30           | 6544                     | 0847N     | 12427E    | 53.9              | 73.9          | GGGF           | 121               | 53               |
| 2470-01140     | 00000/0000                           | 2-20024/1403  | 05/06/76    | 30           | 6544                     | 0720N     | 12407E    | 53.2              | 72.1          | GGGF           | 121               | 54               |

## KEYS:

CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANK)=RND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM POSITION IN ROLL RBV | ROLL NO. MSS | DATE ACQUIRED | CLOUD COVER | SUN ELEV. | SUN AZIM. | PRINCIPAL POINT OF IMAGE LAT LONG | IMAGE-QUAL RBV MSS 123 45678 | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME RBW NUMBER |
|----------------|--------------------------------|--------------|---------------|-------------|-----------|-----------|-----------------------------------|------------------------------|---------------|----------------|-------------------|------------------|
| 2470-02434     | 00000/0000                     | 2-20024/1404 | 05/06/76      | 10          | 6545      | 5435N     | 11320E                            | 47.4 143.6                   | GGGG          |                | 139               | 22               |
| 2470-02440     | 00000/0000                     | 2-20024/1405 | 05/06/76      | 10          | 6545      | 5311N     | 11235E                            | 48.3 141.8                   | GGGG          |                | 139               | 23               |
| 2470-02443     | 00000/0000                     | 2-20024/1406 | 05/06/76      | 0           | 6545      | 5146N     | 11153E                            | 49.1 139.9                   | GGGG          |                | 139               | 24               |
| 2470-02445     | 00000/0000                     | 2-20024/1407 | 05/06/76      | 10          | 6545      | 5022N     | 11112E                            | 50.0 138.1                   | GGGG          |                | 139               | 25               |
| 2470-02472     | 00000/0000                     | 2-20024/1408 | 05/06/76      | 10          | 6545      | 4151N     | 10743E                            | 54.2 126.1                   | GGGG          |                | 139               | 31               |
| 2470-02475     | 00000/0000                     | 2-20024/1409 | 05/06/76      | 10          | 6545      | 4025N     | 10713E                            | 54.8 124.0                   | GGGG          |                | 139               | 32               |
| 2470-02481     | 00000/0000                     | 2-20024/1410 | 05/06/76      | 10          | 6545      | 3900N     | 10644E                            | 55.3 121.8                   | GGGG          |                | 139               | 33               |
| 2470-02490     | 00000/0000                     | 2-20024/1411 | 05/06/76      | 0           | 6545      | 3608N     | 10548E                            | 56.2 117.3                   | GGGG          |                | 139               | 35               |
| 2470-02493     | 00000/0000                     | 2-20024/1412 | 05/06/76      | 20          | 6545      | 3441N     | 10521E                            | 56.6 115.0                   | GGGG          |                | 139               | 36               |
| 2470-02495     | 00000/0000                     | 2-20024/1413 | 05/06/76      | 20          | 6545      | 3315N     | 10455E                            | 57.0 112.6                   | GGGG          |                | 139               | 37               |
| 2470-02502     | 00000/0000                     | 2-20024/1414 | 05/06/76      | 30          | 6545      | 3148N     | 10430E                            | 57.2 110.2                   | GGGG          |                | 139               | 38               |
| 2470-02504     | 00000/0000                     | 2-20024/1415 | 05/06/76      | 90          | 6545      | 3023N     | 10406E                            | 57.4 107.8                   | FGGG          |                | 139               | 39               |
| 2470-02511     | 00000/0000                     | 2-20024/1416 | 05/06/76      | 100         | 6545      | 2856N     | 10341E                            | 57.6 105.4                   | FGGG          |                | 139               | 40               |
| 2470-02513     | 00000/0000                     | 2-20024/1417 | 05/06/76      | 90          | 6545      | 2731N     | 10317E                            | 57.7 102.9                   | GGFG          |                | 139               | 41               |
| 2470-04254     | 00000/0000                     | 2-20024/1487 | 05/06/76      | 80          | 6546      | 5847N     | 09006E                            | 44.6 148.9                   | GGGG          |                | 157               | 19               |
| 2470-04260     | 00000/0000                     | 2-20024/1488 | 05/06/76      | 90          | 6546      | 5723N     | 08911E                            | 45.6 147.1                   | GGGG          |                | 157               | 20               |
| 2470-04263     | 00000/0000                     | 2-20024/1418 | 05/06/76      | 80          | 6546      | 5559N     | 08819E                            | 46.5 145.4                   | GGGG          |                | 157               | 21               |
| 2470-04265     | 00000/0000                     | 2-20024/1419 | 05/06/76      | 80          | 6546      | 5435N     | 08731E                            | 47.4 143.6                   | GGGG          |                | 157               | 22               |
| 2470-04272     | 00000/0000                     | 2-20024/1420 | 05/06/76      | 80          | 6546      | 5311N     | 08646E                            | 48.3 141.7                   | GGGG          |                | 157               | 23               |
| 2470-04274     | 00000/0000                     | 2-20024/1421 | 05/06/76      | 90          | 6546      | 5146N     | 08603E                            | 49.2 139.9                   | GGGG          |                | 157               | 24               |
| 2470-04281     | 00000/0000                     | 2-20024/1422 | 05/06/76      | 40          | 6546      | 5021N     | 08522E                            | 50.0 138.1                   | GGGG          |                | 157               | 25               |
| 2470-04283     | 00000/0000                     | 2-20024/1423 | 05/06/76      | 20          | 6546      | 4856N     | 08444E                            | 50.8 136.2                   | GGGG          |                | 157               | 26               |
| 2470-04290     | 00000/0000                     | 2-20024/1424 | 05/06/76      | 30          | 6546      | 4731N     | 08407E                            | 51.6 134.2                   | GGGG          |                | 157               | 27               |
| 2470-04292     | 00000/0000                     | 2-20024/1425 | 05/06/76      | 30          | 6546      | 4606N     | 08332E                            | 52.3 132.3                   | FGGG          |                | 157               | 28               |
| 2470-04295     | 00000/0000                     | 2-20024/1426 | 05/06/76      | 40          | 6546      | 4441N     | 08258E                            | 53.0 130.3                   | FGGG          |                | 157               | 29               |
| 2470-04301     | 00000/0000                     | 2-20024/1427 | 05/06/76      | 80          | 6546      | 4316N     | 08226E                            | 53.6 128.2                   | GGFG          |                | 157               | 30               |
| 2470-04304     | 00000/0000                     | 2-20024/1428 | 05/06/76      | 80          | 6546      | 4150N     | 08155E                            | 54.3 126.1                   | FGGG          |                | 157               | 31               |
| 2470-04310     | 00000/0000                     | 2-20024/1429 | 05/06/76      | 60          | 6546      | 4024N     | 08125E                            | 54.8 124.0                   | GGG           |                | 157               | 32               |
| 2470-04313     | 00000/0000                     | 2-20024/1430 | 05/06/76      | 20          | 6546      | 3858N     | 08056E                            | 55.4 121.8                   | FGGG          |                | 157               | 33               |
| 2470-04315     | 00000/0000                     | 2-20024/1431 | 05/06/76      | 10          | 6546      | 3733N     | 08028E                            | 55.8 119.5                   | GGFG          |                | 157               | 34               |
| 2470-06085     | 00000/0000                     | 2-20024/1602 | 05/06/76      | 100         | 6547      | 5843N     | 06413E                            | 44.7 148.9                   | GGGG          |                | 175               | 19               |
| 2470-06092     | 00000/0000                     | 2-20024/1618 | 05/06/76      | 60          | 6547      | 5720N     | 06319E                            | 45.7 147.1                   | FGGG          |                | 175               | 20               |
| 2470-06094     | 00000/0000                     | 2-20024/1619 | 05/06/76      | 20          | 6547      | 5556N     | 06227E                            | 46.6 145.3                   | GGGG          |                | 175               | 21               |
| 2470-06101     | 00000/0000                     | 2-20024/1661 | 05/06/76      | 10          | 6547      | 5431N     | 06139E                            | 47.5 143.5                   | FGGG          |                | 175               | 22               |
| 2470-06103     | 00000/0000                     | 2-20024/1662 | 05/06/76      | 10          | 6547      | 5307N     | 06054E                            | 48.4 141.7                   | GGGG          |                | 175               | 23               |
| 2470-06110     | 00000/0000                     | 2-20024/1663 | 05/06/76      | 10          | 6547      | 5142N     | 06012E                            | 49.2 139.8                   | GGGG          |                | 175               | 24               |

KEYS: CLOUD COVER \* ..... 0 TO 100 \* % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0211

| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>REV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>REV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2470-06112        | 00000/0000                                     | 2-20024/1679     | 05/06/76       | 0                      | 6547                               | 5018N                               | 05931E       | 50.0         | 138.0                              | GGGG                |                      | 175                     | 25                     |
| 2470-06115        | 00000/0000                                     | 2-20024/1680     | 05/06/76       | 10                     | 6547                               | 4853N                               | 05853E       | 50.8         | 136.1                              | GGGG                |                      | 175                     | 26                     |
| 2470-06144        | 00000/0000                                     | 2-20024/1681     | 05/06/76       | 100                    | 6547                               | 3855N                               | 05504E       | 55.4         | 121.7                              | GGGG                |                      | 175                     | 33                     |
| 2470-06151        | 00000/0000                                     | 2-20024/1682     | 05/06/76       | 90                     | 6547                               | 3729N                               | 05436E       | 55.9         | 119.4                              | GGGG                |                      | 175                     | 34                     |
| 2470-06153        | 00000/0000                                     | 2-20024/1715     | 05/06/76       | 60                     | 6547                               | 3603N                               | 05409E       | 56.3         | 117.1                              | GGGG                |                      | 175                     | 35                     |
| 2470-06160        | 00000/0000                                     | 2-20024/1716     | 05/06/76       | 40                     | 6547                               | 3437N                               | 05342E       | 56.7         | 114.8                              | GGGG                |                      | 175                     | 36                     |
| 2470-06162        | 00000/0000                                     | 2-20024/1735     | 05/06/76       | 30                     | 6547                               | 3311N                               | 05316E       | 57.0         | 112.4                              | GGGG                |                      | 175                     | 37                     |
| 2470-06165        | 00000/0000                                     | 2-20024/1736     | 05/06/76       | 10                     | 6547                               | 3145N                               | 05251E       | 57.3         | 110.0                              | GGGG                |                      | 175                     | 38                     |
| 2470-06171        | 00000/0000                                     | 2-20024/1737     | 05/06/76       | 10                     | 6547                               | 3020N                               | 05226E       | 57.5         | 107.6                              | GGGG                |                      | 175                     | 39                     |
| 2470-07512        | 00000/0000                                     | 2-20024/1738     | 05/06/76       | 80                     | 6548                               | 6127N                               | 04023E       | 42.8         | 152.5                              | GGGG                |                      | 193                     | 17                     |
| 2470-07514        | 00000/0000                                     | 2-20024/1739     | 05/06/76       | 90                     | 6548                               | 6005N                               | 03921E       | 43.8         | 150.7                              | GGGG                |                      | 193                     | 18                     |
| 2470-07521        | 00000/0000                                     | 2-20024/1740     | 05/06/76       | 60                     | 6548                               | 5842N                               | 03823E       | 44.7         | 148.8                              | GGGG                |                      | 193                     | 19                     |
| 2470-07523        | 00000/0000                                     | 2-20024/1741     | 05/06/76       | 60                     | 6548                               | 5719N                               | 03729E       | 45.7         | 147.1                              | GGGG                |                      | 193                     | 20                     |
| 2470-07530        | 00000/0000                                     | 2-20024/1742     | 05/06/76       | 60                     | 6548                               | 5555N                               | 03638E       | 46.6         | 145.3                              | GGGG                |                      | 193                     | 21                     |
| 2470-07532        | 00000/0000                                     | 2-20024/1743     | 05/06/76       | 70                     | 6548                               | 5431N                               | 03550E       | 47.5         | 143.5                              | GGGG                |                      | 193                     | 22                     |
| 2470-07535        | 00000/0000                                     | 2-20024/1744     | 05/06/76       | 70                     | 6548                               | 5307N                               | 03505E       | 48.4         | 141.6                              | GGGG                |                      | 193                     | 23                     |
| 2470-07541        | 00000/0000                                     | 2-20024/1745     | 05/06/76       | 70                     | 6548                               | 5142N                               | 03422E       | 49.2         | 139.8                              | GGGG                |                      | 193                     | 24                     |
| 2470-07544        | 00000/0000                                     | 2-20024/1746     | 05/06/76       | 60                     | 6548                               | 5017N                               | 03341E       | 50.1         | 138.0                              | GGGG                |                      | 193                     | 25                     |
| 2470-07550        | 00000/0000                                     | 2-20024/1747     | 05/06/76       | 50                     | 6548                               | 4852N                               | 03302E       | 50.9         | 136.1                              | GGGG                |                      | 193                     | 26                     |
| 2470-07553        | 00000/0000                                     | 2-20024/1748     | 05/06/76       | 40                     | 6548                               | 4727N                               | 03225E       | 51.6         | 134.1                              | GGGG                |                      | 193                     | 27                     |
| 2470-07555        | 00000/0000                                     | 2-20024/1749     | 05/06/76       | 50                     | 6548                               | 4602N                               | 03150E       | 52.4         | 132.2                              | GGGG                |                      | 193                     | 28                     |
| 2470-09385        | 00000/0000                                     | 2-20024/1750     | 05/06/76       | 10                     | 6549                               | 4727N                               | 00638E       | 51.6         | 134.1                              | GGGG                |                      | 211                     | 27                     |
| 2470-09391        | 00000/0000                                     | 2-20024/1751     | 05/06/76       | 10                     | 6549                               | 4602N                               | 00603E       | 52.4         | 132.1                              | GGGG                |                      | 211                     | 28                     |
| 2470-11114        | 00000/0000                                     | 2-20024/1752     | 05/06/76       | 40                     | 6550                               | 7933N                               | 03211E       | 26.4         | 202.7                              | GGGG                |                      | 228                     | 2                      |
| 2470-11120        | 00000/0000                                     | 2-20024/1753     | 05/06/76       | 30                     | 6550                               | 7844N                               | 02541E       | 27.5         | 196.0                              | GGGG                |                      | 228                     | 3                      |
| 2470-11123        | 00000/0000                                     | 2-20024/1754     | 05/06/76       | 70                     | 6550                               | 7748N                               | 02006E       | 28.7         | 190.1                              | FFFF                |                      | 228                     | 4                      |
| 2470-11125        | 00000/0000                                     | 2-20024/1755     | 05/06/76       | 50                     | 6550                               | 7646N                               | 01519E       | 29.8         | 185.1                              | GGGG                |                      | 229                     | 5                      |
| 2470-12543        | 00000/0000                                     | 2-20024/1697     | 05/06/76       | 10                     | 6551                               | 8013N                               | 01344E       | 25.2         | 210.3                              | GGGG                |                      | 246                     | 1                      |
| 2470-12545        | 00000/0000                                     | 2-20024/1698     | 05/06/76       | 10                     | 6551                               | 7923N                               | 00616E       | 26.4         | 202.6                              | FFFF                |                      | 246                     | 2                      |
| 2470-12552        | 00000/0000                                     | 2-20024/1699     | 05/06/76       | 10                     | 6551                               | 7844N                               | 00014W       | 27.5         | 195.9                              | GGGG                |                      | 246                     | 3                      |
| 2470-12554        | 00000/0000                                     | 2-20024/1700     | 05/06/76       | 10                     | 6551                               | 7748N                               | 00550W       | 28.7         | 190.1                              | FFFF                |                      | 246                     | 4                      |
| 2470-14410        | 00000/0000                                     | 2-20024/1701     | 05/06/76       | 90                     | 6552                               | 7205N                               | 04942W       | 34.4         | 170.2                              | FFFF                |                      | 14                      | 9                      |
| 2470-14413        | 00000/0000                                     | 2-20025/0192     | 05/06/76       | 30                     | 6552                               | 7048N                               | 05203W       | 35.5         | 167.5                              | GGGG                |                      | 14                      | 10                     |
| 2470-14415        | 00000/0000                                     | 2-20025/0193     | 05/06/76       | 20                     | 6552                               | 6930N                               | 05407W       | 36.6         | 164.9                              | GGGG                |                      | 14                      | 11                     |
| 2470-14422        | 00000/0000                                     | 2-20025/0194     | 05/06/76       | 10                     | 6552                               | 6812N                               | 05557W       | 37.7         | 162.5                              | GGGG                |                      | 14                      | 12                     |
| 2470-14424        | 00000/0000                                     | 2-20025/0195     | 05/06/76       | 10                     | 6552                               | 6652N                               | 05736W       | 38.7         | 160.3                              | GGGG                |                      | 14                      | 13                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2470-14474        | 00000/0000                                     | 2-20024/1302     | 05/06/76       | 40              | 6552 5017N                              | 06932W       | 50.2         | 137.9                 | GGGG                |                      | 14                      | 25                     |
| 2470-14481        | 00000/0000                                     | 2-20024/1303     | 05/06/76       | 40              | 6552 4851N                              | 07011W       | 50.9         | 136.0                 | GGGG                |                      | 14                      | 26                     |
| 2470-14542        | 00000/0000                                     | 2-20024/1304     | 05/06/76       | 50              | 6552 2726N                              | 07724W       | 57.8         | 102.5                 | GGGG                | H                    | 14                      | 41                     |
| 2470-14545        | 00000/0000                                     | 2-20024/1305     | 05/06/76       | 40              | 6552 2549N                              | 07748W       | 57.8         | 100.1                 | GGGG                | H                    | 14                      | 42                     |
| 2470-14551        | 00000/0000                                     | 2-20024/1306     | 05/06/76       | 40              | 6552 2433N                              | 07711W       | 57.8         | 97.6                  | GGGG                | H                    | 14                      | 43                     |
| 2470-14554        | 00000/0000                                     | 2-20024/1307     | 05/06/76       | 50              | 6552 2306N                              | 07834W       | 57.7         | 95.2                  | GGGG                | H                    | 14                      | 44                     |
| 2470-14560        | 00000/0000                                     | 2-20024/1308     | 05/06/76       | 50              | 6552 2139N                              | 07856W       | 57.5         | 92.8                  | GGGG                | H                    | 14                      | 45                     |
| 2470-14563        | 00000/0000                                     | 2-20024/1310     | 05/06/76       | 30              | 6552 2012N                              | 07918W       | 57.3         | 90.4                  | GG                  | H                    | 14                      | 46                     |
| 2470-14565        | 00000/0000                                     | 2-20024/1309     | 05/06/76       | 20              | 6552 1845N                              | 07940W       | 57.1         | 88.1                  | GGGG                |                      | 14                      | 47                     |
| 2470-16303        | 00000/0000                                     | 2-20024/1591     | 05/06/76       | 90              | 6553 5141N                              | 09442W       | 49.4         | 139.7                 | GGGG                |                      | 32                      | 24                     |
| 2470-16310        | 00000/0000                                     | 2-20024/1592     | 05/06/76       | 90              | 6553 5017N                              | 09523W       | 50.2         | 137.9                 | GGGG                |                      | 32                      | 25                     |
| 2470-16380        | 00000/0000                                     | 2-20024/1593     | 05/06/76       | 0               | 6553 2559N                              | 10340W       | 57.8         | 100.0                 | GGGG                |                      | 32                      | 42                     |
| 2470-16383        | 00000/0000                                     | 2-20024/1594     | 05/06/76       | 0               | 6553 2432N                              | 10403W       | 57.8         | 97.6                  | GGGG                |                      | 32                      | 43                     |
| 2470-16385        | 00000/0000                                     | 2-20024/1595     | 05/06/76       | 0               | 6553 2305N                              | 10425W       | 57.7         | 95.2                  | GGGG                |                      | 32                      | 44                     |
| 2470-16392        | 00000/0000                                     | 2-20024/1596     | 05/06/76       | 10              | 6553 2139N                              | 10447W       | 57.5         | 92.8                  | GGGG                |                      | 32                      | 45                     |
| 2470-16394        | 00000/0000                                     | 2-20024/1597     | 05/06/76       | 10              | 6553 2013N                              | 10528W       | 57.3         | 90.4                  | GGGG                |                      | 32                      | 46                     |
| 2470-16401        | 00000/0000                                     | 2-20024/1598     | 05/06/76       | 10              | 6553 1846N                              | 10530W       | 57.1         | 88.1                  | GGGG                |                      | 32                      | 47                     |
| 2470-16403        | 00000/0000                                     | 2-20024/1599     | 05/06/76       | 40              | 6553 1720N                              | 10551W       | 56.8         | 85.8                  | GGGG                |                      | 32                      | 48                     |
| 2470-16410        | 00000/0000                                     | 2-20024/1600     | 05/06/76       | 60              | 6553 1553N                              | 10612W       | 56.4         | 83.6                  | GGGG                |                      | 32                      | 49                     |
| 2470-16412        | 00000/0000                                     | 2-20024/1601     | 05/06/76       | 70              | 6553 1427N                              | 10633W       | 56.0         | 81.5                  | GGGG                |                      | 32                      | 50                     |
| 2470-18041        | 00000/0000                                     | 2-20025/0196     | 05/06/76       | 20              | 6554 8015N                              | 06329W       | 25.2         | 210.6                 | GGGG                |                      | 49                      | 1                      |
| 2470-21341        | 00000/0000                                     | 2-20024/1756     | 05/06/76       | 80              | 6556 7207N                              | 15256W       | 34.4         | 170.3                 | GGGG                |                      | 56                      | 9                      |
| 2471-01074        | 00000/0000                                     | 2-20025/0197     | 05/07/76       | 20              | 6558 4833N                              | 13454E       | 51.0         | 135.9                 | GGGG                |                      | 122                     | 26                     |
| 2471-01081        | 00000/0000                                     | 2-20025/0198     | 05/07/76       | 30              | 6558 4727N                              | 13418E       | 51.8         | 134.0                 | GGGG                |                      | 122                     | 27                     |
| 2471-01083        | 00000/0000                                     | 2-20025/0199     | 05/07/76       | 10              | 6558 4622N                              | 13342E       | 52.5         | 132.0                 | GGGG                |                      | 122                     | 28                     |
| 2471-01090        | 00000/0000                                     | 2-20025/0200     | 05/07/76       | 10              | 6558 4437N                              | 13309E       | 53.2         | 130.0                 | GGGG                |                      | 122                     | 29                     |
| 2471-01092        | 00000/0000                                     | 2-20025/0201     | 05/07/76       | 20              | 6558 4311N                              | 13236E       | 53.9         | 127.9                 | GGGG                |                      | 122                     | 30                     |
| 2471-01172        | 00000/0000                                     | 2-20025/0202     | 05/07/76       | 40              | 6558 1548N                              | 12441E       | 56.4         | 83.3                  | GGGG                |                      | 122                     | 49                     |
| 2471-01175        | 00000/0000                                     | 2-20025/0203     | 05/07/76       | 20              | 6558 1420N                              | 12420E       | 55.9         | 81.1                  | GGGG                |                      | 122                     | 50                     |
| 2471-01181        | 00000/0000                                     | 2-20025/0204     | 05/07/76       | 10              | 6558 1253N                              | 12359E       | 55.5         | 79.0                  | GGGG                |                      | 122                     | 51                     |
| 2471-01184        | 00000/0000                                     | 2-20025/0205     | 05/07/76       | 10              | 6558 1127N                              | 12339E       | 54.9         | 77.0                  | GGGG                |                      | 122                     | 52                     |
| 2471-01190        | 00000/0000                                     | 2-20025/0206     | 05/07/76       | 10              | 6558 1000N                              | 12318E       | 54.4         | 75.1                  | GGGG                |                      | 122                     | 53                     |
| 2471-01193        | 00000/0000                                     | 2-20025/0207     | 05/07/76       | 30              | 6558 0833N                              | 12258E       | 53.7         | 73.2                  | GGGG                |                      | 122                     | 54                     |
| 2471-01195        | 00000/0000                                     | 2-20025/0208     | 05/07/76       | 40              | 6558 0706N                              | 12237E       | 53.1         | 71.4                  | GGGG                |                      | 122                     | 55                     |
| 2471-02485        | 00000/0000                                     | 2-20024/1702     | 05/07/76       | 90              | 6559 5544N                              | 11238E       | 46.8         | 145.1                 | FFGG                |                      | 140                     | 21                     |
| 2471-02492        | 00000/0000                                     | 2-20024/1703     | 05/07/76       | 90              | 6559 5430N                              | 11150E       | 47.7         | 143.3                 | FFFG                |                      | 140                     | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                              |                             |                  |                |                        |                              |               |              |              | 123 45678             |                     |                      |                         |                        |
| 2471-02494        | 00000/0000                   | 2-20024/1704                | 05/07/76         | 90             | 6559                   | 5306N                        | 11105E        | 48.6         | 141.5        | FFFF                  |                     |                      | 140                     | 23                     |
| 2471-02501        | 00000/0000                   | 2-20024/1705                | 05/07/76         | 80             | 6559                   | 5141N                        | 11022E        | 49.6         | 139.7        | GFFF                  |                     |                      | 140                     | 24                     |
| 2471-02503        | 00000/0000                   | 2-20024/1706                | 05/07/76         | 40             | 6559                   | 5017N                        | 10942E        | 50.3         | 137.8        | GGGG                  |                     |                      | 140                     | 25                     |
| 2471-02533        | 00000/0000                   | 2-20024/1707                | 05/07/76         | 10             | 6559                   | 4020N                        | 10544E        | 55.1         | 123.6        | GFFG                  |                     |                      | 140                     | 32                     |
| 2471-02535        | 00000/0000                   | 2-20024/1708                | 05/07/76         | 10             | 6559                   | 3855N                        | 10515E        | 55.6         | 121.4        | GFGG                  |                     |                      | 140                     | 33                     |
| 2471-02542        | 00000/0000                   | 2-20024/1709                | 05/07/76         | 10             | 6559                   | 3729N                        | 10447E        | 56.0         | 119.1        | GFGG                  |                     |                      | 140                     | 34                     |
| 2471-02544        | 00000/0000                   | 2-20024/1710                | 05/07/76         | 40             | 6559                   | 3602N                        | 10419E        | 56.5         | 116.8        | GFGG                  |                     |                      | 140                     | 35                     |
| 2471-02551        | 00000/0000                   | 2-20024/1711                | 05/07/76         | 80             | 6559                   | 3437N                        | 10353E        | 56.8         | 114.4        | FFFG                  |                     |                      | 140                     | 36                     |
| 2471-02553        | 00000/0000                   | 2-20024/1712                | 05/07/76         | 80             | 6559                   | 3311N                        | 10327E        | 57.1         | 112.1        | FFFG                  |                     |                      | 140                     | 37                     |
| 2471-02560        | 00000/0000                   | 2-20024/1713                | 05/07/76         | 40             | 6559                   | 3144N                        | 10302E        | 57.4         | 109.6        | GFGG                  |                     |                      | 140                     | 38                     |
| 2471-02562        | 00000/0000                   | 2-20024/1714                | 05/07/76         | 40             | 6559                   | 3019N                        | 10237E        | 57.6         | 107.2        | GFGG                  |                     |                      | 140                     | 39                     |
| 2471-04312        | 00000/0000                   | 2-20024/1717                | 05/07/76         | 90             | 6560                   | 5842N                        | 08836E        | 45.0         | 148.7        | GFGG                  |                     |                      | 158                     | 19                     |
| 2471-04315        | 00000/0000                   | 2-20024/1718                | 05/07/76         | 90             | 6560                   | 5719N                        | 08742E        | 45.9         | 146.9        | GGGG                  |                     |                      | 158                     | 20                     |
| 2471-04321        | 00000/0000                   | 2-20024/1719                | 05/07/76         | 90             | 6560                   | 5555N                        | 08651E        | 46.8         | 145.1        | GFGG                  |                     |                      | 158                     | 21                     |
| 2471-04324        | 00000/0000                   | 2-20024/1720                | 05/07/76         | 70             | 6560                   | 5431N                        | 08603E        | 47.7         | 143.3        | GFGG                  |                     |                      | 158                     | 22                     |
| 2471-04330        | 00000/0000                   | 2-20024/1721                | 05/07/76         | 90             | 6560                   | 5306N                        | 08518E        | 48.6         | 141.5        | FFFF                  |                     |                      | 158                     | 23                     |
| 2471-04333        | 00000/0000                   | 2-20024/1696                | 05/07/76         | 0              | 6560                   | 5141N                        | 08434E        | 49.5         | 139.6        | G GG                  |                     |                      | 158                     | 24                     |
| 2471-04335        | 00000/0000                   | 2-20024/1722                | 05/07/76         | 10             | 6560                   | 5016N                        | 08353E        | 50.3         | 137.8        | FFGG                  |                     |                      | 158                     | 25                     |
| 2471-04342        | 00000/0000                   | 2-20024/1723                | 05/07/76         | 0              | 6560                   | 4852N                        | 08315E        | 51.1         | 135.9        | GFGG                  |                     |                      | 158                     | 26                     |
| 2471-04344        | 00000/0000                   | 2-20024/1724                | 05/07/76         | 0              | 6560                   | 4727N                        | 08238E        | 51.8         | 133.9        | GGGG                  |                     |                      | 158                     | 27                     |
| 2471-04351        | 00000/0000                   | 2-20024/1725                | 05/07/76         | 10             | 6560                   | 4602N                        | 08203E        | 52.6         | 131.9        | GFGG                  |                     |                      | 158                     | 28                     |
| 2471-04353        | 00000/0000                   | 2-20024/1726                | 05/07/76         | 40             | 6560                   | 4436N                        | 08129E        | 53.3         | 129.9        | GGGG                  |                     |                      | 158                     | 29                     |
| 2471-04360        | 00000/0000                   | 2-20024/1727                | 05/07/76         | 30             | 6560                   | 4311N                        | 08057E        | 53.9         | 127.8        | GGGG                  |                     |                      | 158                     | 30                     |
| 2471-04362        | 00000/0000                   | 2-20024/1728                | 05/07/76         | 20             | 6560                   | 4145N                        | 08026E        | 54.5         | 125.7        | GFGG                  |                     |                      | 158                     | 31                     |
| 2471-04365        | 00000/0000                   | 2-20024/1729                | 05/07/76         | 70             | 6560                   | 4019N                        | 07956E        | 55.1         | 123.5        | FFFG                  |                     |                      | 158                     | 32                     |
| 2471-04371        | 00000/0000                   | 2-20024/1730                | 05/07/76         | 100            | 6560                   | 3853N                        | 07927E        | 55.6         | 121.3        | GFGG                  |                     |                      | 158                     | 33                     |
| 2471-04374        | 00000/0000                   | 2-20024/1731                | 05/07/76         | 80             | 6560                   | 3728N                        | 07858E        | 56.1         | 119.1        | GFGG                  |                     |                      | 158                     | 34                     |
| 2471-04380        | 00000/0000                   | 2-20024/1732                | 05/07/76         | 60             | 6560                   | 3602N                        | 07831E        | 56.5         | 116.8        | GFGG                  |                     |                      | 158                     | 35                     |
| 2471-04383        | 00000/0000                   | 2-20024/1733                | 05/07/76         | 60             | 6560                   | 3436N                        | 07804E        | 56.8         | 114.4        | GFGG                  |                     |                      | 158                     | 36                     |
| 2471-04385        | 00000/0000                   | 2-20024/1734                | 05/07/76         | 70             | 6560                   | 3310N                        | 07738E        | 57.2         | 112.0        | GFGG                  |                     |                      | 158                     | 37                     |
| 2471-06141        | 00000/0000                   | 2-20024/1683                | 05/07/76         | 90             | 6561                   | 6004N                        | 06343E        | 44.0         | 150.6        | GFFG                  |                     |                      | 176                     | 18                     |
| 2471-06144        | 00000/0000                   | 2-20024/1684                | 05/07/76         | 80             | 6561                   | 5842N                        | 06245E        | 45.0         | 148.7        | FFGG                  |                     |                      | 176                     | 19                     |
| 2471-06150        | 00000/0000                   | 2-20024/1685                | 05/07/76         | 40             | 6561                   | 5718N                        | 06151E        | 45.9         | 146.9        | GFGG                  |                     |                      | 176                     | 20                     |
| 2471-06153        | 00000/0000                   | 2-20024/1686                | 05/07/76         | 30             | 6561                   | 5554N                        | 06100E        | 46.9         | 145.1        | GGGG                  |                     |                      | 176                     | 21                     |
| 2471-06155        | 00000/0000                   | 2-20024/1687                | 05/07/76         | 0              | 6561                   | 5430N                        | 06013E        | 47.8         | 143.3        | GGGG                  |                     |                      | 176                     | 22                     |
| 2471-06162        | 00000/0000                   | 2-20024/1688                | 05/07/76         | 10             | 6561                   | 5305N                        | 05928E        | 48.6         | 141.5        | GGGG                  |                     |                      | 176                     | 23                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>IO | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2471-06164        | 00000/0000                   | 2-20024/1689                | 05/07/76         | 10             | 6561            | 5141N                              | 05445E                              | 49.3         | 139.6        | GGGG                  |                     |                      | 176                     | 24                     |
| 2471-06171        | 00000/0000                   | 2-20024/1690                | 05/07/76         | 10             | 6561            | 5016N                              | 05804E                              | 50.3         | 137.8        | GGGG                  |                     |                      | 176                     | 25                     |
| 2471-06173        | 00000/0000                   | 2-20024/1691                | 05/07/76         | 0              | 6561            | 4851N                              | 05726E                              | 51.1         | 135.9        | GGGG                  |                     |                      | 176                     | 26                     |
| 2471-06180        | 00000/0000                   | 2-20024/1692                | 05/07/76         | 10             | 6561            | 4727N                              | 05649E                              | 51.9         | 133.9        | GGGG                  |                     |                      | 176                     | 27                     |
| 2471-06223        | 00000/0000                   | 2-20024/1693                | 05/07/76         | 0              | 6561            | 3144N                              | 05124E                              | 57.4         | 109.6        | GGGG                  |                     |                      | 176                     | 38                     |
| 2471-06230        | 00000/0000                   | 2-20024/1694                | 05/07/76         | 0              | 6561            | 3018N                              | 05059E                              | 57.6         | 107.1        | GGFG                  |                     |                      | 176                     | 39                     |
| 2471-06232        | 00000/0000                   | 2-20024/1695                | 05/07/76         | 10             | 6561            | 2852N                              | 05035E                              | 57.8         | 104.7        | FFFG                  |                     |                      | 176                     | 40                     |
| 2471-07534        | 00000/0000                   | 2-20024/1664                | 05/07/76         | 20             | 6562            | 7204N                              | 06209E                              | 34.6         | 170.2        | GGGG                  |                     |                      | 194                     | 9                      |
| 2471-07541        | 00000/0000                   | 2-20024/1665                | 05/07/76         | 30             | 6562            | 7049N                              | 04948E                              | 35.7         | 167.5        | GGGG                  |                     |                      | 194                     | 10                     |
| 2471-07543        | 00000/0000                   | 2-20024/1666                | 05/07/76         | 20             | 6562            | 6931N                              | 04743E                              | 36.8         | 164.9        | FGGG                  |                     |                      | 194                     | 11                     |
| 2471-07550        | 00000/0000                   | 2-20024/1667                | 05/07/76         | 10             | 6562            | 6812N                              | 04552E                              | 37.9         | 162.5        | GGGG                  |                     |                      | 194                     | 12                     |
| 2471-07570        | 00000/0000                   | 2-20024/1668                | 05/07/76         | 30             | 6562            | 6127N                              | 03900E                              | 43.1         | 152.4        | GGGG                  |                     |                      | 194                     | 17                     |
| 2471-07573        | 00000/0000                   | 2-20024/1669                | 05/07/76         | 40             | 6562            | 6004N                              | 03757E                              | 44.0         | 150.5        | GGGG                  |                     |                      | 194                     | 18                     |
| 2471-07575        | 00000/0000                   | 2-20024/1670                | 05/07/76         | 80             | 6562            | 5841N                              | 03659E                              | 45.0         | 148.7        | GGGG                  |                     |                      | 194                     | 19                     |
| 2471-07582        | 00000/0000                   | 2-20024/1671                | 05/07/76         | 90             | 6562            | 5717N                              | 03604E                              | 46.0         | 146.9        | GGGG                  |                     |                      | 194                     | 20                     |
| 2471-07584        | 00000/0000                   | 2-20024/1672                | 05/07/76         | 90             | 6562            | 5554N                              | 03513E                              | 46.9         | 145.1        | FGGG                  |                     |                      | 194                     | 21                     |
| 2471-07591        | 00000/0000                   | 2-20024/1673                | 05/07/76         | 90             | 6562            | 5430N                              | 03425E                              | 47.8         | 143.3        | GGGG                  |                     |                      | 194                     | 22                     |
| 2471-07593        | 00000/0000                   | 2-20024/1674                | 05/07/76         | 80             | 6562            | 5305N                              | 03340E                              | 48.7         | 141.5        | FGGG                  |                     |                      | 194                     | 23                     |
| 2471-08000        | 00000/0000                   | 2-20024/1675                | 05/07/76         | 90             | 6562            | 5140N                              | 03257E                              | 49.5         | 139.6        | GGGG                  |                     |                      | 194                     | 24                     |
| 2471-08002        | 00000/0000                   | 2-20024/1676                | 05/07/76         | 70             | 6562            | 5015N                              | 03217E                              | 50.3         | 137.7        | GGGG                  |                     |                      | 194                     | 25                     |
| 2471-08005        | 00000/0000                   | 2-20024/1677                | 05/07/76         | 50             | 6562            | 4850N                              | 03139E                              | 51.1         | 135.8        | GGGG                  |                     |                      | 194                     | 26                     |
| 2471-08011        | 00000/0000                   | 2-20024/1678                | 05/07/76         | 30             | 6562            | 4726N                              | 03102E                              | 51.9         | 133.9        | GGGG                  |                     |                      | 194                     | 27                     |
| 2471-08014        | 00000/0000                   | 2-20024/1679                | 05/07/76         | 20             | 6562            | 4602N                              | 03026E                              | 52.6         | 131.9        | GGGG                  |                     |                      | 194                     | 28                     |
| 2471-08020        | 00000/0000                   | 2-20024/1680                | 05/07/76         | 40             | 6562            | 4436N                              | 02952E                              | 53.3         | 129.9        | FGGG                  |                     |                      | 194                     | 29                     |
| 2471-08023        | 00000/0000                   | 2-20024/1681                | 05/07/76         | 10             | 6562            | 4310N                              | 02920E                              | 53.9         | 127.8        | GGGG                  |                     |                      | 194                     | 30                     |
| 2471-09390        | 00000/0000                   | 2-20024/1762                | 05/07/76         | 80             | 6563            | 6535N                              | 01456E                              | 40.0         | 158.3        | GGGG                  |                     |                      | 212                     | 14                     |
| 2471-11172        | 00000/0000                   | 2-20024/1763                | 05/07/76         | 10             | 6564            | 7935N                              | 03043E                              | 26.6         | 202.9        | GGGG                  |                     |                      | 229                     | 2                      |
| 2471-11174        | 00000/0000                   | 2-20024/1764                | 05/07/76         | 20             | 6564            | 7846N                              | 02412E                              | 27.8         | 196.1        | GGGG                  |                     |                      | 229                     | 3                      |
| 2471-11181        | 00000/0000                   | 2-20024/1765                | 05/07/76         | 20             | 6564            | 7750N                              | 01838E                              | 28.9         | 190.3        | GGGG                  |                     |                      | 229                     | 4                      |
| 2471-11183        | 00000/0000                   | 2-20024/1766                | 05/07/76         | 30             | 6564            | 7649N                              | 01352E                              | 30.1         | 185.2        | GGGG                  |                     |                      | 230                     | 5                      |
| 2471-11190        | 00000/0000                   | 2-20024/1767                | 05/07/76         | 50             | 6564            | 7543N                              | 00946E                              | 31.2         | 180.8        | GGGG                  |                     |                      | 230                     | 6                      |
| 2471-13001        | 00000/0000                   | 2-20024/1768                | 05/07/76         | 10             | 6565            | 8014N                              | 01226E                              | 25.5         | 210.5        | GGGG                  |                     |                      | 247                     | 1                      |
| 2471-13003        | 00000/0000                   | 2-20024/1769                | 05/07/76         | 20             | 6565            | 7924N                              | 00459E                              | 26.6         | 202.8        | GGGG                  |                     |                      | 247                     | 2                      |
| 2471-13010        | 00000/0000                   | 2-20024/1770                | 05/07/76         | 20             | 6565            | 7845N                              | 00133W                              | 27.8         | 196.1        | GGGG                  |                     |                      | 247                     | 3                      |
| 2471-13012        | 00000/0000                   | 2-20024/1771                | 05/07/76         | 30             | 6565            | 7749N                              | 00710W                              | 29.0         | 190.2        | GGGG                  |                     |                      | 247                     | 4                      |
| 2471-14535        | 00000/0000                   | 2-20024/0873                | 05/07/76         | 60             | 6566            | 4854N                              | 07136W                              | 51.2         | 135.8        | GGGG                  |                     |                      | 15                      | 26                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2471-16364        | 00000/0000 2-20024/1789                            | 05/07/76         | 0              | 6567            | 5017N 09648W                            | 50.4         | 137.7        | GGGG                               |                     |                      | 33                      | 25                     |
| 2471-16435        | 00000/0000 2-20024/1790                            | 05/07/76         | 0              | 6567            | 2601N 10504W                            | 57.9         | 99.6         | GGGG                               |                     |                      | 33                      | 42                     |
| 2471-16441        | 00000/0000 2-20024/1791                            | 05/07/76         | 0              | 6567            | 2434N 10527W                            | 57.9         | 97.2         | GGGG                               |                     |                      | 33                      | 43                     |
| 2471-16444        | 00000/0000 2-20024/1792                            | 05/07/76         | 10             | 6567            | 2308N 10550W                            | 57.8         | 94.7         | GGGG                               |                     |                      | 33                      | 44                     |
| 2471-16450        | 00000/0000 2-20024/1793                            | 05/07/76         | 20             | 6567            | 2141N 10613W                            | 57.6         | 92.3         | FGGG                               |                     |                      | 33                      | 45                     |
| 2471-16453        | 00000/0000 2-20024/1794                            | 05/07/76         | 50             | 6567            | 2014N 10635W                            | 57.4         | 90.0         | FGGG                               |                     |                      | 33                      | 46                     |
| 2471-16455        | 00000/0000 2-20024/1795                            | 05/07/76         | 70             | 6567            | 1848N 10657W                            | 57.1         | 87.7         | GGGG                               |                     |                      | 33                      | 47                     |
| 2471-16462        | 00000/0000 2-20024/1796                            | 05/07/76         | 90             | 6567            | 1721N 10718W                            | 56.8         | 85.4         | GGGG                               |                     |                      | 33                      | 48                     |
| 2471-16464        | 00000/0000 2-20024/1797                            | 05/07/76         | 60             | 6567            | 1555N 10739W                            | 56.4         | 83.2         | GGGG                               |                     |                      | 33                      | 49                     |
| 2472-01133        | 00000/0000 2-20024/1677                            | 05/08/76         | 10             | 6572            | 4855N 13328E                            | 51.3         | 135.8        | GGGG                               |                     |                      | 123                     | 26                     |
| 2472-01135        | 00000/0000 2-20024/1678                            | 05/08/76         | 10             | 6572            | 4729N 13252E                            | 52.0         | 133.8        | GGGG                               |                     |                      | 123                     | 27                     |
| 2472-01142        | 00000/0000 2-20024/1798                            | 05/08/76         | 10             | 6572            | 4604N 13216E                            | 52.8         | 131.8        | GGGG                               |                     |                      | 123                     | 28                     |
| 2472-01144        | 00000/0000 2-20024/1799                            | 05/08/76         | 10             | 6572            | 4439N 13142E                            | 53.4         | 129.8        | GGGG                               |                     |                      | 123                     | 29                     |
| 2472-01151        | 00000/0000 2-20024/1800                            | 05/08/76         | 10             | 6572            | 4313N 13109E                            | 54.1         | 127.7        | GGGG                               |                     |                      | 123                     | 30                     |
| 2472-01230        | 00000/0000 2-20024/1801                            | 05/08/76         | 30             | 6572            | 1557N 12317E                            | 56.4         | 83.0         | GGGG                               |                     |                      | 123                     | 49                     |
| 2472-01233        | 00000/0000 2-20024/1802                            | 05/08/76         | 30             | 6572            | 1430N 12256E                            | 56.0         | 80.9         | FGGG                               |                     |                      | 123                     | 50                     |
| 2472-01235        | 00000/0000 2-20024/1803                            | 05/08/76         | 20             | 6572            | 1303N 12235E                            | 55.5         | 78.8         | FGGG                               |                     |                      | 123                     | 51                     |
| 2472-01242        | 00000/0000 2-20024/1804                            | 05/08/76         | 30             | 6572            | 1136N 12214E                            | 55.0         | 76.8         | FGGG                               |                     |                      | 123                     | 52                     |
| 2472-01244        | 00000/0000 2-20024/1805                            | 05/08/76         | 20             | 6572            | 1010N 12154E                            | 54.4         | 74.8         | FGGG                               |                     |                      | 123                     | 53                     |
| 2472-01251        | 00000/0000 2-20024/1806                            | 05/08/76         | 20             | 6572            | 0844N 12134E                            | 53.8         | 73.0         | FFGG                               |                     |                      | 123                     | 54                     |
| 2472-01253        | 00000/0000 2-20024/1807                            | 05/08/76         | 40             | 6572            | 0717N 12114E                            | 53.1         | 71.2         | FGGG                               |                     |                      | 123                     | 55                     |
| 2472-02544        | 00000/0000 2-20024/1808                            | 05/08/76         | 80             | 6573            | 5557N 11115E                            | 47.1         | 145.1        | GGGG                               |                     |                      | 141                     | 21                     |
| 2472-02550        | 00000/0000 2-20024/1809                            | 05/08/76         | 20             | 6573            | 5433N 11027E                            | 48.0         | 143.2        | GGGG                               |                     |                      | 141                     | 22                     |
| 2472-02553        | 00000/0000 2-20024/1810                            | 05/08/76         | 30             | 6573            | 5308N 10942E                            | 48.8         | 141.4        | GGGG                               |                     |                      | 141                     | 23                     |
| 2472-02555        | 00000/0000 2-20024/1811                            | 05/08/76         | 50             | 6573            | 5144N 10900E                            | 49.7         | 139.5        | GGGG                               |                     |                      | 141                     | 24                     |
| 2472-02562        | 00000/0000 2-20024/1812                            | 05/08/76         | 60             | 6573            | 5019N 10820E                            | 50.5         | 137.7        | GGGG                               |                     |                      | 141                     | 25                     |
| 2472-03000        | 00000/0000 2-20024/1813                            | 05/08/76         | 10             | 6573            | 3731N 10322E                            | 56.2         | 118.8        | FGGG                               |                     |                      | 141                     | 34                     |
| 2472-03003        | 00000/0000 2-20024/1814                            | 05/08/76         | 10             | 6573            | 3605N 10255E                            | 56.6         | 116.5        | FGGG                               |                     |                      | 141                     | 35                     |
| 2472-03005        | 00000/0000 2-20024/1815                            | 05/08/76         | 10             | 6573            | 3439N 10228E                            | 57.0         | 114.1        | GGFG                               |                     |                      | 141                     | 36                     |
| 2472-03012        | 00000/0000 2-20024/1816                            | 05/08/76         | 10             | 6573            | 3313N 10203E                            | 57.3         | 111.7        | GGGG                               |                     |                      | 141                     | 37                     |
| 2472-03014        | 00000/0000 2-20024/1817                            | 05/08/76         | 10             | 6573            | 3146N 10138E                            | 57.6         | 109.3        | GGGG                               |                     |                      | 141                     | 38                     |
| 2472-04370        | 00000/0000 2-20024/1820                            | 05/08/76         | 40             | 6574            | 5844N 08712E                            | 45.2         | 148.7        | GGGG                               |                     |                      | 159                     | 19                     |
| 2472-04373        | 00000/0000 2-20024/1821                            | 05/08/76         | 10             | 6574            | 5721N 08617E                            | 46.2         | 146.9        | FGGG                               |                     |                      | 159                     | 20                     |
| 2472-04375        | 00000/0000 2-20024/1822                            | 05/08/76         | 60             | 6574            | 5558N 08525E                            | 47.1         | 145.0        | FGGG                               |                     |                      | 159                     | 21                     |
| 2472-04382        | 00000/0000 2-20024/1823                            | 05/08/76         | 70             | 6574            | 5433N 08437E                            | 48.0         | 143.2        | GGGG                               |                     |                      | 159                     | 22                     |
| 2472-04384        | 00000/0000 2-20024/1824                            | 05/08/76         | 60             | 6574            | 5307N 08352E                            | 48.9         | 141.4        | GGGG                               |                     |                      | 159                     | 23                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | BRBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|--------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2472-04391        | 00000/0000                   | 2-20024/1825                         | 05/08/76         | 8n             | 6574            | 5143N                              | 08309E                              | 49.7         | 139.5        | GGGG                  |             |                     |                      | 159                     | 24                     |
| 2472-04393        | 00000/0000                   | 2-20024/1826                         | 05/08/76         | 50             | 6574            | 5019N                              | 08229E                              | 50.5         | 137.6        | GGGG                  |             |                     |                      | 159                     | 25                     |
| 2472-04400        | 00000/0000                   | 2-20024/1827                         | 05/08/76         | 1n             | 6574            | 4854N                              | 08151E                              | 51.3         | 135.7        | GGGG                  |             |                     |                      | 159                     | 26                     |
| 2472-04402        | 00000/0000                   | 2-20024/1828                         | 05/08/76         | n              | 6574            | 4728N                              | 08114E                              | 52.1         | 133.3        | GGGG                  |             |                     |                      | 159                     | 27                     |
| 2472-04405        | 00000/0000                   | 2-20024/1829                         | 05/08/76         | 0              | 6574            | 4604N                              | 08038E                              | 52.8         | 131.8        | FGGG                  |             |                     |                      | 159                     | 28                     |
| 2472-04411        | 00000/0000                   | 2-20024/1830                         | 05/08/76         | 1n             | 6574            | 4439N                              | 08005E                              | 53.5         | 129.7        | GGGG                  |             |                     |                      | 159                     | 29                     |
| 2472-04414        | 00000/0000                   | 2-20024/1831                         | 05/08/76         | 4n             | 6574            | 4313N                              | 07932E                              | 54.1         | 127.6        | GGGG                  |             |                     |                      | 159                     | 30                     |
| 2472-04420        | 00000/0000                   | 2-20024/1832                         | 05/08/76         | 5n             | 6574            | 4147N                              | 07901E                              | 54.7         | 125.5        | GGGG                  |             |                     |                      | 159                     | 31                     |
| 2472-04423        | 00000/0000                   | 2-20024/1833                         | 05/08/76         | 6n             | 6574            | 4021N                              | 07831E                              | 55.3         | 123.3        | GGGG                  |             |                     |                      | 159                     | 32                     |
| 2472-04425        | 00000/0000                   | 2-20024/1834                         | 05/08/76         | 1n             | 6574            | 3856N                              | 07802E                              | 55.8         | 121.0        | GGGG                  |             |                     |                      | 159                     | 33                     |
| 2472-04432        | 00000/0000                   | 2-20024/1835                         | 05/08/76         | 10             | 6574            | 3730N                              | 07734E                              | 56.2         | 118.8        | GGGG                  |             |                     |                      | 159                     | 34                     |
| 2472-04434        | 00000/0000                   | 2-20024/1836                         | 05/08/76         | 1n             | 6574            | 3604N                              | 07707E                              | 56.7         | 116.4        | GGGG                  |             |                     |                      | 159                     | 35                     |
| 2472-04441        | 00000/0000                   | 2-20024/1837                         | 05/08/76         | 10             | 6574            | 3438N                              | 07640E                              | 57.0         | 114.1        | GGGG                  |             |                     |                      | 159                     | 36                     |
| 2472-04443        | 00000/0000                   | 2-20024/1838                         | 05/08/76         | 1n             | 6574            | 3312N                              | 07614E                              | 57.3         | 111.7        | GGGG                  |             |                     |                      | 159                     | 37                     |
| 2472-04450        | 00000/0000                   | 2-20024/1839                         | 05/08/76         | n              | 6574            | 3146N                              | 07548E                              | 57.6         | 109.2        | GGGG                  |             |                     |                      | 159                     | 38                     |
| 2472-06195        | 00000/0000                   | 2-20024/1603                         | 05/08/76         | 1n             | 6575            | 6006N                              | 06220E                              | 44.3         | 150.5        | FGGG                  |             |                     |                      | 177                     | 18                     |
| 2472-06202        | 00000/0000                   | 2-20024/1604                         | 05/08/76         | 10             | 6575            | 5843N                              | 06122E                              | 45.2         | 148.7        | PGGG                  |             |                     |                      | 177                     | 19                     |
| 2472-06204        | 00000/0000                   | 2-20024/1605                         | 05/08/76         | 1n             | 6575            | 5719N                              | 06028E                              | 46.2         | 146.9        | FGGG                  |             |                     |                      | 177                     | 20                     |
| 2472-06211        | 00000/0000                   | 2-20024/1606                         | 05/08/76         | 2n             | 6575            | 5556N                              | 05937E                              | 47.1         | 145.0        | GGGG                  |             |                     |                      | 177                     | 21                     |
| 2472-06213        | 00000/0000                   | 2-20024/1607                         | 05/08/76         | 4n             | 6575            | 5432N                              | 05848E                              | 48.0         | 143.2        | GGGG                  |             |                     |                      | 177                     | 22                     |
| 2472-06220        | 00000/0000                   | 2-20024/1608                         | 05/08/76         | 4n             | 6575            | 5307N                              | 05802E                              | 48.9         | 141.4        | GGGG                  |             |                     |                      | 177                     | 23                     |
| 2472-06222        | 00000/0000                   | 2-20024/1609                         | 05/08/76         | 9n             | 6575            | 5143N                              | 05720E                              | 49.7         | 139.5        | GGGG                  |             |                     |                      | 177                     | 24                     |
| 2472-06231        | 00000/0000                   | 2-20024/1879                         | 05/08/76         | 7n             | 6575            | 4854N                              | 05602E                              | 51.3         | 135.7        | GGGG                  |             |                     |                      | 177                     | 25                     |
| 2472-06234        | 00000/0000                   | 2-20024/1858                         | 05/08/76         | 5n             | 6575            | 4729N                              | 05525E                              | 52.1         | 133.7        | GGGG                  |             |                     |                      | 177                     | 26                     |
| 2472-06275        | 00000/0000                   | 2-20024/1859                         | 05/08/76         | 3n             | 6575            | 3312N                              | 05024E                              | 57.3         | 111.6        | GGGG                  |             |                     |                      | 177                     | 27                     |
| 2472-06281        | 00000/0000                   | 2-20025/0030                         | 05/08/76         | 1n             | 6575            | 3146N                              | 04959E                              | 57.6         | 109.2        | G                     |             |                     |                      | 177                     | 28                     |
| 2472-06284        | 00000/0000                   | 2-20025/0031                         | 05/08/76         | 1n             | 6575            | 3020N                              | 04934E                              | 57.8         | 106.8        | GGGG                  |             |                     |                      | 177                     | 29                     |
| 2472-06290        | 00000/0000                   | 2-20025/0032                         | 05/08/76         | 1n             | 6575            | 2854N                              | 04910E                              | 57.9         | 104.3        | GGGG                  |             |                     |                      | 177                     | 30                     |
| 2472-08015        | 00000/0000                   | 2-20025/0033                         | 05/08/76         | 8n             | 6576            | 6412N                              | 03959E                              | 41.3         | 156.2        | GGGG                  |             |                     |                      | 195                     | 15                     |
| 2472-08022        | 00000/0000                   | 2-20025/0034                         | 05/08/76         | 9n             | 6576            | 6250N                              | 03844E                              | 42.3         | 154.2        | GGGG                  |             |                     |                      | 195                     | 16                     |
| 2472-08024        | 00000/0000                   | 2-20025/0035                         | 05/08/76         | 8n             | 6576            | 6128N                              | 03736E                              | 43.3         | 152.4        | GGGG                  |             |                     |                      | 195                     | 17                     |
| 2472-08031        | 00000/0000                   | 2-20025/0036                         | 05/08/76         | 6n             | 6576            | 6006N                              | 03633E                              | 44.3         | 150.5        | GGGG                  |             |                     |                      | 195                     | 18                     |
| 2472-08033        | 00000/0000                   | 2-20025/0037                         | 05/08/76         | 3n             | 6576            | 5842N                              | 03535E                              | 45.3         | 148.7        | GGGG                  |             |                     |                      | 195                     | 19                     |
| 2472-08040        | 00000/0000                   | 2-20025/0038                         | 05/08/76         | 7n             | 6576            | 5719N                              | 03441E                              | 46.2         | 146.8        | FGGG                  |             |                     |                      | 195                     | 20                     |
| 2472-08042        | 00000/0000                   | 2-20025/0039                         | 05/08/76         | 9n             | 6576            | 5556N                              | 03349E                              | 47.1         | 145.0        | GGGG                  |             |                     |                      | 195                     | 21                     |
| 2472-08045        | 00000/0000                   | 2-20025/0040                         | 05/08/76         | 9n             | 6576            | 5431N                              | 03301E                              | 48.0         | 143.2        | GGGG                  |             |                     |                      | 195                     | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RRV | ROLL NO./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|-------------------|------------------------------|--------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2472-08051        | 00000/0000                   | 2-20025/0041                         | 05/08/76         | 9n             | 6576            | 5306N                              | 03716E                              | 48.9         | 141.4        | GGGG                               |                     |                      | 195                     | 23                     |
| 2472-08054        | 00000/0000                   | 2-20025/0042                         | 05/08/76         | 7n             | 6576            | 5142N                              | 03133E                              | 49.8         | 139.5        | GGGG                               |                     |                      | 195                     | 24                     |
| 2472-08060        | 00000/0000                   | 2-20025/0043                         | 05/08/76         | 7n             | 6576            | 5018N                              | 03052E                              | 50.6         | 137.6        | GGGG                               |                     |                      | 195                     | 25                     |
| 2472-08063        | 00000/0000                   | 2-20025/0044                         | 05/08/76         | 6n             | 6576            | 4833N                              | 03014E                              | 51.4         | 135.7        | GGGG                               |                     |                      | 195                     | 26                     |
| 2472-08065        | 00000/0000                   | 2-20025/0045                         | 05/08/76         | 2n             | 6576            | 4728N                              | 02937E                              | 52.1         | 133.7        | GGGG                               |                     |                      | 195                     | 27                     |
| 2472-08072        | 00000/0000                   | 2-20025/0046                         | 05/08/76         | 3n             | 6576            | 4603N                              | 02902E                              | 52.8         | 131.7        | GGGG                               |                     |                      | 195                     | 28                     |
| 2472-08074        | 00000/0000                   | 2-20025/0047                         | 05/08/76         | 2n             | 6576            | 4438N                              | 02829E                              | 53.5         | 129.7        | GGGG                               |                     |                      | 195                     | 29                     |
| 2472-08081        | 00000/0000                   | 2-20025/0048                         | 05/08/76         | 2n             | 6576            | 4313N                              | 02755E                              | 54.2         | 127.6        | GGGG                               |                     |                      | 195                     | 30                     |
| 2472-08233        | 00000/0000                   | 2-20025/0049                         | 05/08/76         | 3n             | 6576            | 1003S                              | 01358E                              | 42.6         | 55.2         | GGGG                               |                     |                      | 195                     | 67                     |
| 2472-11230        | 00000/0000                   | 2-20024/1840                         | 05/08/76         | n              | 6578            | 7933N                              | 02919E                              | 26.9         | 202.8        | FFFF                               |                     |                      | 230                     | 2                      |
| 2472-11233        | 00000/0000                   | 2-20024/1841                         | 05/08/76         | n              | 6578            | 7844N                              | 02849E                              | 28.1         | 196.0        | GGGG                               |                     |                      | 230                     | 3                      |
| 2472-11235        | 00000/0000                   | 2-20024/1842                         | 05/08/76         | n              | 6578            | 7748N                              | 01714E                              | 29.2         | 190.2        | GGGG                               |                     |                      | 230                     | 4                      |
| 2472-11242        | 00000/0000                   | 2-20024/1843                         | 05/08/76         | 4n             | 6578            | 7646N                              | 01227E                              | 30.4         | 185.1        | GGGG                               |                     |                      | 231                     | 5                      |
| 2472-13062        | 00000/0000                   | 2-20025/0051                         | 05/08/76         | 4n             | 6579            | 7934N                              | 00324E                              | 26.9         | 202.7        | FFFF                               |                     |                      | 248                     | 2                      |
| 2472-13064        | 00000/0000                   | 2-20025/0052                         | 05/08/76         | 7n             | 6579            | 7844N                              | 00307W                              | 28.1         | 196.0        | FFFF                               |                     |                      | 248                     | 3                      |
| 2472-13071        | 00000/0000                   | 2-20025/0061                         | 05/08/76         | 10n            | 6579            | 7748N                              | 00842W                              | 29.3         | 190.2        | FF                                 |                     |                      | 248                     | 4                      |
| 2472-14491        | 00000/0000                   | 2-20025/0050                         | 05/08/76         | 2n             | 6580            | 8014N                              | 01458W                              | 25.8         | 210.3        | P GF                               |                     |                      | 15                      | 1                      |
| 2472-14591        | 00000/0000                   | 2-20024/1533                         | 05/08/76         | 10n            | 6580            | 5016N                              | 07225W                              | 50.7         | 137.5        | GGGG                               |                     |                      | 16                      | 25                     |
| 2472-14593        | 00000/0000                   | 2-20024/1534                         | 05/08/76         | 10n            | 6580            | 4851N                              | 07303W                              | 51.4         | 135.6        | GGGG                               |                     |                      | 16                      | 26                     |
| 2472-15070        | 00000/0000                   | 2-20024/1535                         | 05/08/76         | 2n             | 6580            | 2307N                              | 08127W                              | 57.9         | 94.2         | GGGG                               |                     |                      | 16                      | 44                     |
| 2472-15073        | 00000/0000                   | 2-20024/1536                         | 05/08/76         | 3n             | 6580            | 2141N                              | 08149W                              | 57.7         | 91.8         | PPGG                               | H                   |                      | 16                      | 45                     |
| 2472-15075        | 00000/0000                   | 2-20024/1537                         | 05/08/76         | 2n             | 6580            | 2014N                              | 08211W                              | 57.5         | 89.5         | GGGG                               |                     |                      | 16                      | 46                     |
| 2472-15082        | 00000/0000                   | 2-20024/1538                         | 05/08/76         | 3n             | 6580            | 1847N                              | 08232W                              | 57.2         | 87.2         | GGGG                               |                     |                      | 16                      | 47                     |
| 2472-16420        | 00000/0000                   | 2-20025/0020                         | 05/08/76         | 1n             | 6581            | 5141N                              | 09735W                              | 49.9         | 139.4        | FFFF                               |                     |                      | 34                      | 24                     |
| 2472-16422        | 00000/0000                   | 2-20025/0021                         | 05/08/76         | 1n             | 6581            | 5016N                              | 09816W                              | 50.7         | 137.5        | GGGG                               |                     |                      | 34                      | 25                     |
| 2472-16490        | 00000/0000                   | 2-20025/0022                         | 05/08/76         | 5n             | 6581            | 2727N                              | 10608W                              | 58.0         | 101.6        | GGGG                               |                     |                      | 34                      | 41                     |
| 2472-16493        | 00000/0000                   | 2-20025/0023                         | 05/08/76         | 2n             | 6581            | 2600N                              | 10630W                              | 58.0         | 99.1         | GGGG                               |                     |                      | 34                      | 42                     |
| 2472-16495        | 00000/0000                   | 2-20025/0024                         | 05/08/76         | 1n             | 6581            | 2434N                              | 10653W                              | 58.0         | 96.7         | GGGG                               |                     |                      | 34                      | 43                     |
| 2472-16502        | 00000/0000                   | 2-20025/0025                         | 05/08/76         | 1n             | 6581            | 2307N                              | 10714W                              | 57.9         | 94.2         | GGGG                               |                     |                      | 34                      | 44                     |
| 2472-16504        | 00000/0000                   | 2-20025/0026                         | 05/08/76         | 1n             | 6581            | 2141N                              | 10736W                              | 57.7         | 91.8         | GGGG                               |                     |                      | 34                      | 45                     |
| 2472-16511        | 00000/0000                   | 2-20025/0027                         | 05/08/76         | 4n             | 6581            | 2014N                              | 10758W                              | 57.5         | 89.4         | GGGG                               |                     |                      | 34                      | 46                     |
| 2472-16513        | 00000/0000                   | 2-20025/0028                         | 05/08/76         | 4n             | 6581            | 1847N                              | 10821W                              | 57.2         | 87.1         | GGGG                               |                     |                      | 34                      | 47                     |
| 2472-16520        | 00000/0000                   | 2-20025/0029                         | 05/08/76         | 7n             | 6581            | 1721N                              | 10843W                              | 56.8         | 84.8         | GGGG                               |                     |                      | 34                      | 48                     |
| 2472-18272        | 00000/0000                   | 2-20024/1659                         | 05/08/76         | 9n             | 6582            | 4436N                              | 12622W                              | 53.6         | 129.5        | GGGG                               |                     |                      | 52                      | 29                     |
| 2472-18275        | 00000/0000                   | 2-20024/1660                         | 05/08/76         | 9n             | 6582            | 4311N                              | 12659W                              | 54.3         | 127.4        | FFFF                               |                     |                      | 52                      | 30                     |
| 2473-01151        | 00000/0000                   | 2-20025/0053                         | 05/09/76         | 1n             | 6586            | 4853N                              | 13202E                              | 51.5         | 135.5        | FFFF                               |                     |                      | 124                     | 26                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = x CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 25, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2473-01193        | 00000/0000                   | 2-20025/0054                | 05/09/76         | 10             | 6586            | 4758N                        | 13125E        | 52.3         | 133.5        | FFFF                               |                     |                      | 124                     | 27                     |
| 2473-01284        | 00000/0000                   | 2-20025/0055                | 05/09/76         | 80             | 6586            | 1554N                        | 12151E        | 56.5         | 82.5         | FFFF                               |                     |                      | 124                     | 49                     |
| 2473-01293        | 00000/0000                   | 2-20025/0056                | 05/09/76         | 50             | 6586            | 1302N                        | 12109E        | 55.5         | 78.3         | FFFF                               |                     |                      | 124                     | 51                     |
| 2473-01300        | 00000/0000                   | 2-20025/0057                | 05/09/76         | 30             | 6586            | 1135N                        | 12048E        | 55.0         | 76.3         | FFFF                               |                     |                      | 124                     | 52                     |
| 2473-01302        | 00000/0000                   | 2-20025/0058                | 05/09/76         | 70             | 6586            | 1009N                        | 12028E        | 54.4         | 74.3         | FFFF                               |                     |                      | 124                     | 53                     |
| 2473-01305        | 00000/0000                   | 2-20025/0059                | 05/09/76         | 40             | 6586            | 0842N                        | 12008E        | 53.7         | 72.5         | FFFF                               |                     |                      | 124                     | 54                     |
| 2473-01311        | 00000/0000                   | 2-20025/0060                | 05/09/76         | 20             | 6586            | 0715N                        | 11948E        | 53.1         | 70.7         | FFFF                               |                     |                      | 124                     | 55                     |
| 2473-03004        | 00000/0000                   | 2-20024/1844                | 05/09/76         | 80             | 6587            | 5431N                        | 10901E        | 48.2         | 143.1        | GGGG                               |                     |                      | 142                     | 22                     |
| 2473-03011        | 00000/0000                   | 2-20024/1845                | 05/09/76         | 70             | 6587            | 5306N                        | 10816E        | 49.1         | 141.2        | GGGG                               |                     |                      | 142                     | 23                     |
| 2473-03013        | 00000/0000                   | 2-20024/1846                | 05/09/76         | 60             | 6587            | 5141N                        | 10733E        | 50.0         | 139.3        | GGGG                               |                     |                      | 142                     | 24                     |
| 2473-03020        | 00000/0000                   | 2-20024/1847                | 05/09/76         | 30             | 6587            | 5016N                        | 10652E        | 50.8         | 137.4        | GGGG                               |                     |                      | 142                     | 25                     |
| 2473-03052        | 00000/0000                   | 2-20024/1848                | 05/09/76         | 80             | 6587            | 3844N                        | 10223E        | 56.0         | 120.7        | GGGG                               |                     |                      | 142                     | 33                     |
| 2473-03054        | 00000/0000                   | 2-20024/1849                | 05/09/76         | 90             | 6587            | 3728N                        | 10154E        | 56.4         | 118.4        | GGGG                               |                     |                      | 142                     | 34                     |
| 2473-03061        | 00000/0000                   | 2-20024/1850                | 05/09/76         | 100            | 6587            | 3602N                        | 10127E        | 56.8         | 116.1        | GGGG                               |                     |                      | 142                     | 35                     |
| 2473-03063        | 00000/0000                   | 2-20024/1851                | 05/09/76         | 100            | 6587            | 3436N                        | 10101E        | 57.2         | 113.7        | GGGG                               |                     |                      | 142                     | 36                     |
| 2473-03070        | 00000/0000                   | 2-20024/1852                | 05/09/76         | 100            | 6587            | 3310N                        | 10035E        | 57.5         | 111.3        | GGGG                               |                     |                      | 142                     | 37                     |
| 2473-03134        | 00000/0000                   | 2-20024/1853                | 05/09/76         | 20             | 6587            | 1008N                        | 09439E        | 54.4         | 74.3         | GGGG                               |                     |                      | 142                     | 53                     |
| 2473-03140        | 00000/0000                   | 2-20024/1854                | 05/09/76         | 30             | 6587            | 0842N                        | 09418E        | 53.7         | 72.4         | GGGG                               |                     |                      | 142                     | 54                     |
| 2473-03143        | 00000/0000                   | 2-20024/1855                | 05/09/76         | 40             | 6587            | 0716N                        | 09358E        | 53.1         | 70.7         | GGGG                               |                     |                      | 142                     | 55                     |
| 2473-03145        | 00000/0000                   | 2-20024/1856                | 05/09/76         | 40             | 6587            | 0549N                        | 09338E        | 52.3         | 69.0         | GGGG                               |                     |                      | 142                     | 56                     |
| 2473-03152        | 00000/0000                   | 2-20024/1857                | 05/09/76         | 40             | 6587            | 0422N                        | 09318E        | 51.6         | 67.3         | GGGG                               |                     |                      | 142                     | 57                     |
| 2473-04425        | 00000/0000                   | 2-20024/1860                | 05/09/76         | 0              | 6588            | 5842N                        | 08541E        | 45.5         | 148.5        | GGGG                               |                     |                      | 160                     | 19                     |
| 2473-04431        | 00000/0000                   | 2-20024/1861                | 05/09/76         | 0              | 6588            | 5718N                        | 08446E        | 46.4         | 146.7        | GGGG                               |                     |                      | 160                     | 20                     |
| 2473-04434        | 00000/0000                   | 2-20024/1862                | 05/09/76         | 0              | 6588            | 5554N                        | 08356E        | 47.4         | 144.9        | GGGG                               |                     |                      | 160                     | 21                     |
| 2473-04440        | 00000/0000                   | 2-20024/1863                | 05/09/76         | 0              | 6588            | 5430N                        | 08308E        | 48.3         | 143.0        | GGGG                               |                     |                      | 160                     | 22                     |
| 2473-04443        | 00000/0000                   | 2-20024/1864                | 05/09/76         | 0              | 6588            | 5306N                        | 08224E        | 49.1         | 141.2        | GGGG                               |                     |                      | 160                     | 23                     |
| 2473-04445        | 00000/0000                   | 2-20024/1865                | 05/09/76         | 0              | 6588            | 5141N                        | 08141E        | 50.0         | 139.3        | GGGG                               |                     |                      | 160                     | 24                     |
| 2473-04452        | 00000/0000                   | 2-20024/1866                | 05/09/76         | 0              | 6588            | 5016N                        | 08101E        | 50.8         | 137.4        | GGGG                               |                     |                      | 160                     | 25                     |
| 2473-04454        | 00000/0000                   | 2-20024/1867                | 05/09/76         | 0              | 6588            | 4852N                        | 08022E        | 51.6         | 135.5        | GGGG                               |                     |                      | 160                     | 26                     |
| 2473-04461        | 00000/0000                   | 2-20024/1868                | 05/09/76         | 0              | 6588            | 4726N                        | 07946E        | 52.3         | 133.5        | GGGG                               |                     |                      | 160                     | 27                     |
| 2473-04463        | 00000/0000                   | 2-20024/1869                | 05/09/76         | 0              | 6588            | 4601N                        | 07911E        | 53.0         | 131.5        | GGGG                               |                     |                      | 160                     | 28                     |
| 2473-04470        | 00000/0000                   | 2-20024/1870                | 05/09/76         | 0              | 6588            | 4436N                        | 07837E        | 53.7         | 129.4        | GGGG                               |                     |                      | 160                     | 29                     |
| 2473-04472        | 00000/0000                   | 2-20024/1871                | 05/09/76         | 0              | 6588            | 4310N                        | 07785E        | 54.3         | 127.3        | GGGG                               |                     |                      | 160                     | 30                     |
| 2473-04475        | 00000/0000                   | 2-20024/1872                | 05/09/76         | 10             | 6588            | 4145N                        | 07734E        | 54.9         | 125.1        | GGGG                               |                     |                      | 160                     | 31                     |
| 2473-04481        | 00000/0000                   | 2-20024/1873                | 05/09/76         | 30             | 6588            | 4020N                        | 07703E        | 55.5         | 122.9        | GGGG                               |                     |                      | 160                     | 32                     |
| 2473-04484        | 00000/0000                   | 2-20024/1874                | 05/09/76         | 10             | 6588            | 3854N                        | 07634E        | 56.0         | 120.7        | GGGG                               |                     |                      | 160                     | 33                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NPN-05  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>123 45678 | MSS<br>IMAGE<br>MODE | MSS<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|--------------------------|----------------------|-------------|-------------------------|------------------------|
| 2473-04490        | 00000/0000                                     | 2-20024/1875     | 05/09/76       | 10              | 6588                               | 3728N                               | 07406E       | 56.4         | 118.4             |                          |                      |             |                         |                        |
| 2473-04493        | 00000/0000                                     | 2-20024/1876     | 05/09/76       | 10              | 6588                               | 3602N                               | 07538E       | 56.8         | 116.0             | GGGG                     |                      |             | 160                     | 34                     |
| 2473-04495        | 00000/0000                                     | 2-20024/1877     | 05/09/76       | 10              | 6588                               | 3436N                               | 07512E       | 57.2         | 113.6             | GGGG                     |                      |             | 160                     | 35                     |
| 2473-04502        | 00000/0000                                     | 2-20024/1878     | 05/09/76       | 30              | 6588                               | 3310N                               | 07446E       | 57.5         | 111.2             | GGGG                     |                      |             | 160                     | 36                     |
| 2473-06254        | 00000/0000                                     | 2-20024/1880     | 05/09/76       | 70              | 6589                               | 6075N                               | 06053E       | 44.5         | 150.4             | GGGG                     |                      |             | 160                     | 37                     |
| 2473-06260        | 00000/0000                                     | 2-20024/1881     | 05/09/76       | 90              | 6589                               | 5842N                               | 05955E       | 45.5         | 148.5             | GGGG                     |                      |             | 178                     | 18                     |
| 2473-06263        | 00000/0000                                     | 2-20024/1882     | 05/09/76       | 70              | 6589                               | 5718N                               | 05900E       | 46.5         | 146.7             | GGGG                     |                      |             | 178                     | 19                     |
| 2473-06265        | 00000/0000                                     | 2-20024/1883     | 05/09/76       | 50              | 6589                               | 5554N                               | 05809E       | 47.4         | 144.9             | GGGG                     |                      |             | 178                     | 20                     |
| 2473-06272        | 00000/0000                                     | 2-20024/1884     | 05/09/76       | 30              | 6589                               | 5429N                               | 05721E       | 48.3         | 143.0             | GGGG                     |                      |             | 178                     | 21                     |
| 2473-06274        | 00000/0000                                     | 2-20024/1885     | 05/09/76       | 60              | 6589                               | 5305N                               | 05636E       | 49.1         | 141.2             | GGGG                     |                      |             | 178                     | 22                     |
| 2473-06281        | 00000/0000                                     | 2-20024/1886     | 05/09/76       | 90              | 6589                               | 5141N                               | 05554E       | 50.0         | 139.3             | GGGG                     |                      |             | 178                     | 23                     |
| 2473-06283        | 00000/0000                                     | 2-20024/1887     | 05/09/76       | 90              | 6589                               | 5017N                               | 05513E       | 50.8         | 137.4             | GGGG                     |                      |             | 178                     | 24                     |
| 2473-06290        | 00000/0000                                     | 2-20024/1888     | 05/09/76       | 90              | 6589                               | 4851N                               | 05434E       | 51.6         | 135.5             | GGGG                     |                      |             | 178                     | 25                     |
| 2473-06313        | 00000/0000                                     | 2-20024/1889     | 05/09/76       | 10              | 6589                               | 4020N                               | 05116E       | 55.5         | 122.9             | GGGG                     |                      |             | 178                     | 26                     |
| 2473-06333        | 00000/0000                                     | 2-20024/1890     | 05/09/76       | 50              | 6589                               | 3311N                               | 04858E       | 57.5         | 111.2             | GGGG                     |                      |             | 178                     | 32                     |
| 2473-06340        | 00000/0000                                     | 2-20024/1891     | 05/09/76       | 40              | 6589                               | 3145N                               | 04833E       | 57.7         | 108.7             | GGGG                     |                      |             | 178                     | 37                     |
| 2473-08074        | 00000/0000                                     | 2-20024/1610     | 05/09/76       | 10              | 6590                               | 6411N                               | 03830E       | 41.6         | 156.1             | GGGG                     |                      |             | 196                     | 15                     |
| 2473-08080        | 00000/0000                                     | 2-20024/1611     | 05/09/76       | 10              | 6590                               | 6249N                               | 03716E       | 42.6         | 154.1             | GGGG                     |                      |             | 196                     | 16                     |
| 2473-08083        | 00000/0000                                     | 2-20024/1612     | 05/09/76       | 30              | 6590                               | 6127N                               | 03608E       | 43.6         | 152.2             | GGGG                     |                      |             | 196                     | 17                     |
| 2473-08085        | 00000/0000                                     | 2-20024/1613     | 05/09/76       | 20              | 6590                               | 6004N                               | 03505E       | 44.6         | 150.4             | GGGG                     |                      |             | 196                     | 18                     |
| 2473-08092        | 00000/0000                                     | 2-20024/1614     | 05/09/76       | 10              | 6590                               | 5841N                               | 03405E       | 45.5         | 148.5             | GGGG                     |                      |             | 196                     | 19                     |
| 2473-08094        | 00000/0000                                     | 2-20024/1615     | 05/09/76       | 0               | 6590                               | 5718N                               | 03309E       | 46.5         | 146.7             | GGGG                     |                      |             | 196                     | 20                     |
| 2473-08101        | 00000/0000                                     | 2-20024/1616     | 05/09/76       | 10              | 6590                               | 5554N                               | 03218E       | 47.4         | 144.9             | GGGG                     |                      |             | 196                     | 21                     |
| 2473-08103        | 00000/0000                                     | 2-20024/1617     | 05/09/76       | 10              | 6590                               | 5429N                               | 03130E       | 48.3         | 143.0             | GGGG                     |                      |             | 196                     | 22                     |
| 2473-08110        | 00000/0000                                     | 2-20024/1618     | 05/09/76       | 10              | 6590                               | 5305N                               | 03045E       | 49.2         | 141.2             | GGGG                     |                      |             | 196                     | 23                     |
| 2473-08112        | 00000/0000                                     | 2-20024/1619     | 05/09/76       | 30              | 6590                               | 5141N                               | 03003E       | 50.0         | 139.3             | GGGG                     |                      |             | 196                     | 24                     |
| 2473-08115        | 00000/0000                                     | 2-20024/1620     | 05/09/76       | 50              | 6590                               | 5016N                               | 02922E       | 50.8         | 137.4             | GGGG                     |                      |             | 196                     | 25                     |
| 2473-08121        | 00000/0000                                     | 2-20024/1621     | 05/09/76       | 50              | 6590                               | 4851N                               | 02844E       | 51.6         | 135.5             | GGGG                     |                      |             | 196                     | 26                     |
| 2473-08130        | 00000/0000                                     | 2-20024/1772     | 05/09/76       | 10              | 6590                               | 4671N                               | 02732E       | 53.1         | 131.4             | GGGG                     |                      |             | 196                     | 28                     |
| 2473-08133        | 00000/0000                                     | 2-20024/1773     | 05/09/76       | 10              | 6590                               | 4435N                               | 02659E       | 53.7         | 129.4             | GGGG                     |                      |             | 196                     | 29                     |
| 2473-08135        | 00000/0000                                     | 2-20024/1774     | 05/09/76       | 10              | 6590                               | 4310N                               | 02627E       | 54.4         | 127.2             | GGGG                     |                      |             | 196                     | 30                     |
| 2473-08194        | 00000/0000                                     | 2-20024/1775     | 05/09/76       | 0               | 6590                               | 2376N                               | 02022E       | 57.9         | 93.9              | GGGG                     |                      |             | 196                     | 44                     |
| 2473-08201        | 00000/0000                                     | 2-20024/1776     | 05/09/76       | 0               | 6590                               | 2140N                               | 02000E       | 57.7         | 91.5              | GGGG                     |                      |             | 196                     | 45                     |
| 2473-08242        | 00000/0000                                     | 2-20024/1777     | 05/09/76       | 10              | 6590                               | 0714N                               | 01630E       | 53.0         | 70.5              | GGGG                     |                      |             | 196                     | 55                     |
| 2473-09471        | 00000/0000                                     | 2-20024/1778     | 05/09/76       | 20              | 6591                               | 7540N                               | 03739E       | 31.8         | 180.6             | GGGG                     |                      |             | 214                     | 6                      |
| 2473-11282        | 00000/0000                                     | 2-20025/0062     | 05/09/76       | 30              | 6592                               | 8015N                               | 03522E       | 26.0         | 210.4             | GGGG                     |                      |             | 231                     | 1                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>PRINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>PRINT<br>OF IMAGE<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|---------------------------------------|----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2473-11284        | 00000/0000                   | 2-20025/0063                | 05/09/76         | 20             | 6592                   | 7934N                                 | 02753E                                 | 27.2         | 202.9        | GFGG                               |                     |                      |                         |                        |
| 2473-11291        | 00000/0000                   | 2-20025/0064                | 05/09/76         | 30             | 6592                   | 7846N                                 | 02122E                                 | 28.3         | 196.2        | GGGG                               |                     |                      | 231                     | 2                      |
| 2473-11293        | 00000/0000                   | 2-20025/0065                | 05/09/76         | 10             | 6592                   | 7750N                                 | 01546E                                 | 29.5         | 190.3        | GGGG                               |                     |                      | 231                     | 3                      |
| 2473-11300        | 00000/0000                   | 2-20025/0066                | 05/09/76         | 40             | 6592                   | 7648N                                 | 01058E                                 | 30.6         | 185.2        | GGGG                               |                     |                      | 231                     | 4                      |
| 2473-11302        | 00000/0000                   | 2-20025/0067                | 05/09/76         | 90             | 6592                   | 7542N                                 | 00453E                                 | 31.8         | 180.8        | GGGG                               |                     |                      | 232                     | 5                      |
| 2473-13113        | 00000/0000                   | 2-20025/0068                | 05/09/76         | 7              | 6593                   | 8014N                                 | 00931E                                 | 26.0         | 210.5        | GFGG                               |                     |                      | 232                     | 6                      |
| 2473-13120        | 00000/0000                   | 2-20025/0069                | 05/09/76         | 0              | 6593                   | 7934N                                 | 00903E                                 | 27.2         | 202.9        | FFGG                               |                     |                      | 249                     | 1                      |
| 2473-13122        | 00000/0000                   | 2-20025/0070                | 05/09/76         | 10             | 6593                   | 7845N                                 | 00426W                                 | 28.3         | 196.1        | GGGG                               |                     |                      | 249                     | 2                      |
| 2473-13125        | 00000/0000                   | 2-20025/0071                | 05/09/76         | 70             | 6593                   | 7749N                                 | 01001W                                 | 29.5         | 190.3        | GGGG                               |                     |                      | 249                     | 3                      |
| 2473-15043        | 00000/0000                   | 2-20025/0089                | 05/09/76         | 30             | 6594                   | 5143N                                 | 07308W                                 | 50.1         | 139.3        | GGGG                               |                     |                      | 17                      | 24                     |
| 2473-15045        | 00000/0000                   | 2-20025/0090                | 05/09/76         | 40             | 6594                   | 5018N                                 | 07349W                                 | 50.9         | 137.4        | GGGG                               |                     |                      | 17                      | 25                     |
| 2473-15052        | 00000/0000                   | 2-20025/0091                | 05/09/76         | 20             | 6594                   | 4853N                                 | 07428W                                 | 51.7         | 135.4        | GGGG                               |                     |                      | 17                      | 26                     |
| 2473-16381        | 00000/0000                   | 2-20025/0072                | 05/09/76         | 0              | 6595                   | 8015N                                 | 04204W                                 | 26.0         | 210.5        | FFGG                               |                     |                      | 34                      | 1                      |
| 2473-16472        | 00000/0000                   | 2-20025/0092                | 05/09/76         | 20             | 6595                   | 5307N                                 | 09816W                                 | 49.2         | 141.1        | GGG                                |                     |                      | 36                      | 23                     |
| 2473-16474        | 00000/0000                   | 2-20025/0093                | 05/09/76         | 10             | 6595                   | 5142N                                 | 09859W                                 | 50.1         | 139.3        | FFGG                               |                     |                      | 35                      | 24                     |
| 2473-16481        | 00000/0000                   | 2-20025/0094                | 05/09/76         | 40             | 6595                   | 5018N                                 | 09940W                                 | 50.9         | 137.3        | FFGG                               |                     |                      | 35                      | 25                     |
| 2473-16545        | 00000/0000                   | 2-20025/0095                | 05/09/76         | 10             | 6595                   | 2729N                                 | 10731W                                 | 58.1         | 101.2        | GGGG                               |                     |                      | 35                      | 41                     |
| 2473-16551        | 00000/0000                   | 2-20025/0096                | 05/09/76         | 10             | 6595                   | 2603N                                 | 10754W                                 | 58.1         | 98.7         | GGGG                               |                     |                      | 35                      | 42                     |
| 2473-16554        | 00000/0000                   | 2-20025/0097                | 05/09/76         | 30             | 6595                   | 2436N                                 | 10817W                                 | 58.1         | 96.2         | FFGG                               |                     |                      | 35                      | 43                     |
| 2473-16560        | 00000/0000                   | 2-20025/0098                | 05/09/76         | 40             | 6595                   | 2309N                                 | 10839W                                 | 57.9         | 93.8         | GGGG                               |                     |                      | 35                      | 44                     |
| 2473-16563        | 00000/0000                   | 2-20025/0099                | 05/09/76         | 30             | 6595                   | 2142N                                 | 10902W                                 | 57.8         | 91.4         | GGGF                               |                     |                      | 35                      | 45                     |
| 2473-16565        | 00000/0000                   | 2-20025/0100                | 05/09/76         | 60             | 6595                   | 2015N                                 | 10925W                                 | 57.5         | 89.0         | GGGG                               |                     |                      | 35                      | 46                     |
| 2473-16572        | 00000/0000                   | 2-20025/0101                | 05/09/76         | 60             | 6595                   | 1849N                                 | 10947W                                 | 57.2         | 86.7         | FFGG                               |                     |                      | 35                      | 47                     |
| 2473-18312        | 00000/0000                   | 2-20025/0584                | 05/09/76         | 10             | 6596                   | 5018N                                 | 12528W                                 | 50.9         | 137.3        | GGGG                               |                     |                      | 53                      | 25                     |
| 2474-01243        | 00000/0000                   | 2-20024/1779                | 05/10/76         | 20             | 6600                   | 5017N                                 | 13114E                                 | 51.0         | 137.2        | GGGG                               |                     |                      | 125                     | 25                     |
| 2474-01245        | 00000/0000                   | 2-20024/1780                | 05/10/76         | 10             | 6600                   | 4852N                                 | 13035E                                 | 51.8         | 135.3        | GGGG                               |                     |                      | 125                     | 26                     |
| 2474-01252        | 00000/0000                   | 2-20024/1781                | 05/10/76         | 10             | 6600                   | 4727N                                 | 12958E                                 | 52.5         | 133.3        | GGGG                               |                     |                      | 125                     | 27                     |
| 2474-01254        | 00000/0000                   | 2-20024/1782                | 05/10/76         | 80             | 6600                   | 4611N                                 | 12923E                                 | 53.2         | 131.2        | GGGG                               |                     |                      | 125                     | 28                     |
| 2474-01261        | 00000/0000                   | 2-20024/1783                | 05/10/76         | 90             | 6600                   | 4426N                                 | 12849E                                 | 53.9         | 129.2        | GGGG                               |                     |                      | 125                     | 29                     |
| 2474-01263        | 00000/0000                   | 2-20024/1784                | 05/10/76         | 90             | 6600                   | 4310N                                 | 12817E                                 | 54.5         | 127.0        | GGGG                               |                     |                      | 125                     | 30                     |
| 2474-01270        | 00000/0000                   | 2-20024/1785                | 05/10/76         | 70             | 6600                   | 4144N                                 | 12745E                                 | 55.1         | 124.9        | FFGG                               |                     |                      | 125                     | 31                     |
| 2474-01343        | 00000/0000                   | 2-20024/1786                | 05/10/76         | 10             | 6600                   | 1554N                                 | 12024E                                 | 56.5         | 82.0         | GGGG                               |                     |                      | 125                     | 49                     |
| 2474-01345        | 00000/0000                   | 2-20024/1787                | 05/10/76         | 10             | 6600                   | 1427N                                 | 12003E                                 | 56.0         | 79.8         | GGGG                               |                     |                      | 125                     | 50                     |
| 2474-01352        | 00000/0000                   | 2-20024/1788                | 05/10/76         | 10             | 6600                   | 1300N                                 | 11943E                                 | 55.5         | 77.8         | GGGG                               |                     |                      | 125                     | 51                     |
| 2474-03060        | 00000/0000                   | 2-20024/1892                | 05/10/76         | 90             | 6601                   | 5553N                                 | 10818E                                 | 47.6         | 144.7        | GGGG                               |                     |                      | 143                     | 21                     |
| 2474-03063        | 00000/0000                   | 2-20024/1893                | 05/10/76         | 90             | 6601                   | 5429N                                 | 10730E                                 | 48.5         | 142.9        | GGGG                               |                     |                      | 143                     | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NPN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2474-03065        | 00000/0000                   | 2-20024/1894                | 05/10/76         | 70             | 6601            | 5305N 10645E                            | 49.4         | 141.0        | GGGG                               |                     |                      | 143                     | 23                     |
| 2474-03072        | 00000/0000                   | 2-20024/1895                | 05/10/76         | 80             | 6601            | 5140N 10603E                            | 50.2         | 139.1        | GGGG                               |                     |                      | 143                     | 24                     |
| 2474-03074        | 00000/0000                   | 2-20024/1896                | 05/10/76         | 70             | 6601            | 5015N 10523E                            | 51.0         | 137.2        | GGGG                               |                     |                      | 143                     | 25                     |
| 2474-03110        | 00000/0000                   | 2-20024/1897                | 05/10/76         | 20             | 6601            | 3852N 10056E                            | 56.2         | 120.3        | GGGG                               |                     |                      | 143                     | 33                     |
| 2474-03113        | 00000/0000                   | 2-20024/1898                | 05/10/76         | 80             | 6601            | 3727N 10028E                            | 56.6         | 118.0        | GGGG                               |                     |                      | 143                     | 34                     |
| 2474-03115        | 00000/0000                   | 2-20024/1899                | 05/10/76         | 80             | 6601            | 3601N 10000E                            | 57.0         | 115.6        | GGGG                               |                     |                      | 143                     | 35                     |
| 2474-03122        | 00000/0000                   | 2-20024/1900                | 05/10/76         | 70             | 6601            | 3435N 09934E                            | 57.3         | 113.2        | GFGG                               |                     |                      | 143                     | 36                     |
| 2474-04483        | 00000/0000                   | 2-20025/0001                | 05/10/76         | 10             | 6602            | 5844N 08418E                            | 45.7         | 148.5        | GGGG                               |                     |                      | 161                     | 19                     |
| 2474-04485        | 00000/0000                   | 2-20025/0002                | 05/10/76         | 0              | 6602            | 5721N 08324E                            | 46.7         | 146.6        | GGGG                               |                     |                      | 161                     | 20                     |
| 2474-04492        | 00000/0000                   | 2-20025/0003                | 05/10/76         | 0              | 6602            | 5556N 08233E                            | 47.6         | 144.8        | GGGG                               |                     |                      | 161                     | 21                     |
| 2474-04494        | 00000/0000                   | 2-20025/0004                | 05/10/76         | 0              | 6602            | 5432N 08145E                            | 48.5         | 142.9        | GGGG                               |                     |                      | 161                     | 22                     |
| 2474-04501        | 00000/0000                   | 2-20025/0005                | 05/10/76         | 10             | 6602            | 5308N 08100E                            | 49.4         | 141.1        | GGGG                               |                     |                      | 161                     | 23                     |
| 2474-04503        | 00000/0000                   | 2-20025/0006                | 05/10/76         | 60             | 6602            | 5144N 08018E                            | 50.2         | 139.2        | GGGG                               |                     |                      | 161                     | 24                     |
| 2474-04510        | 00000/0000                   | 2-20025/0007                | 05/10/76         | 70             | 6602            | 5018N 07938E                            | 51.0         | 137.3        | GGGG                               |                     |                      | 161                     | 25                     |
| 2474-04512        | 00000/0000                   | 2-20025/0008                | 05/10/76         | 50             | 6602            | 4853N 07859E                            | 51.8         | 135.3        | GGGG                               |                     |                      | 161                     | 26                     |
| 2474-04515        | 00000/0000                   | 2-20025/0009                | 05/10/76         | 10             | 6602            | 4728N 07822E                            | 52.5         | 133.3        | GGGG                               |                     |                      | 161                     | 27                     |
| 2474-04521        | 00000/0000                   | 2-20025/0010                | 05/10/76         | 0              | 6602            | 4603N 07747E                            | 53.2         | 131.3        | GGGG                               |                     |                      | 161                     | 28                     |
| 2474-04524        | 00000/0000                   | 2-20025/0011                | 05/10/76         | 10             | 6602            | 4438N 07713E                            | 53.9         | 129.2        | GGGG                               |                     |                      | 161                     | 29                     |
| 2474-04530        | 00000/0000                   | 2-20025/0012                | 05/10/76         | 10             | 6602            | 4313N 07640E                            | 54.5         | 127.1        | GGGG                               |                     |                      | 161                     | 30                     |
| 2474-04533        | 00000/0000                   | 2-20025/0013                | 05/10/76         | 10             | 6602            | 4148N 07609E                            | 55.1         | 124.9        | GGGG                               |                     |                      | 161                     | 31                     |
| 2474-04535        | 00000/0000                   | 2-20025/0014                | 05/10/76         | 30             | 6602            | 4022N 07538E                            | 55.7         | 122.7        | PPPF                               |                     |                      | 161                     | 32                     |
| 2474-04542        | 00000/0000                   | 2-20025/0015                | 05/10/76         | 30             | 6602            | 3856N 07509E                            | 56.2         | 120.4        | GGGG                               |                     |                      | 161                     | 33                     |
| 2474-04544        | 00000/0000                   | 2-20025/0016                | 05/10/76         | 40             | 6602            | 3730N 07441E                            | 56.6         | 118.1        | GGGG                               |                     |                      | 161                     | 34                     |
| 2474-04551        | 00000/0000                   | 2-20025/0017                | 05/10/76         | 10             | 6602            | 3604N 07413E                            | 57.0         | 115.7        | GGGF                               |                     |                      | 161                     | 35                     |
| 2474-04553        | 00000/0000                   | 2-20025/0018                | 05/10/76         | 10             | 6602            | 3438N 07347E                            | 57.3         | 113.3        | GGGG                               |                     |                      | 161                     | 36                     |
| 2474-04560        | 00000/0000                   | 2-20025/0019                | 05/10/76         | 0              | 6602            | 3312N 07321E                            | 57.6         | 110.9        | GGGG                               |                     |                      | 161                     | 37                     |
| 2474-06312        | 00000/0000                   | 2-20025/0209                | 05/10/76         | 80             | 6603            | 6006N 05926E                            | 44.8         | 150.3        | GGGG                               |                     |                      | 179                     | 18                     |
| 2474-06314        | 00000/0000                   | 2-20025/0210                | 05/10/76         | 70             | 6603            | 5842N 05828E                            | 45.7         | 148.5        | GGGG                               |                     |                      | 179                     | 19                     |
| 2474-06321        | 00000/0000                   | 2-20025/0211                | 05/10/76         | 60             | 6603            | 5719N 05734E                            | 46.7         | 146.6        | GGGG                               |                     |                      | 179                     | 20                     |
| 2474-06323        | 00000/0000                   | 2-20025/0212                | 05/10/76         | 60             | 6603            | 5556N 05642E                            | 47.6         | 144.8        | GGGG                               |                     |                      | 179                     | 21                     |
| 2474-06330        | 00000/0000                   | 2-20025/0213                | 05/10/76         | 50             | 6603            | 5432N 05554E                            | 48.5         | 142.9        | GGGG                               |                     |                      | 179                     | 22                     |
| 2474-06332        | 00000/0000                   | 2-20025/0214                | 05/10/76         | 40             | 6603            | 5307N 05509E                            | 49.4         | 141.1        | GGG                                |                     |                      | 179                     | 23                     |
| 2474-06335        | 00000/0000                   | 2-20025/0215                | 05/10/76         | 10             | 6603            | 5142N 05427E                            | 50.2         | 139.2        | GGGG                               |                     |                      | 179                     | 24                     |
| 2474-06341        | 00000/0000                   | 2-20025/0216                | 05/10/76         | 10             | 6603            | 5018N 05346E                            | 51.0         | 137.2        | GGGG                               |                     |                      | 179                     | 25                     |
| 2474-06344        | 00000/0000                   | 2-20025/0217                | 05/10/76         | 20             | 6603            | 4853N 05308E                            | 51.8         | 135.3        | GGGG                               |                     |                      | 179                     | 26                     |
| 2474-06371        | 00000/0000                   | 2-20025/0218                | 05/10/76         | 90             | 6603            | 4021N 04949E                            | 55.7         | 122.6        | GGGG                               |                     |                      | 179                     | 32                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>REEL | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL<br>PRINT<br>OF IMAGE<br>LAT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------|------------------|------------------|----------------|------------------|-----------------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2474-06373        | 00000/0000                       | 2-20025/0219     | 05/10/76         | 80             | 6603             | 3855N                                         | 04919E       | 56.2 120.4   | GGGG                               |                     |                      | 179                     | 33                     |
| 2474-06380        | 00000/0000                       | 2-20025/0220     | 05/10/76         | 90             | 6603             | 3730N                                         | 04851E       | 56.6 118.0   | GGGG                               |                     |                      | 179                     | 34                     |
| 2474-08132        | 00000/0000                       | 2-20025/0102     | 05/10/76         | 10             | 6604             | 6412N                                         | 03704E       | 41.8 156.1   | GGGG                               |                     |                      | 197                     | 15                     |
| 2474-08134        | 00000/0000                       | 2-20025/0103     | 05/10/76         | 10             | 6604             | 6250N                                         | 03550E       | 42.8 154.1   | GGGG                               |                     |                      | 197                     | 16                     |
| 2474-08141        | 00000/0000                       | 2-20025/0104     | 05/10/76         | 10             | 6604             | 6128N                                         | 03442E       | 43.8 152.2   | GGGG                               |                     |                      | 197                     | 17                     |
| 2474-08143        | 00000/0000                       | 2-20025/0105     | 05/10/76         | 10             | 6604             | 6005N                                         | 03339E       | 44.8 150.3   | GGGG                               |                     |                      | 197                     | 18                     |
| 2474-08150        | 00000/0000                       | 2-20025/0106     | 05/10/76         | 0              | 6604             | 5842N                                         | 03241E       | 45.8 148.5   | GGGG                               |                     |                      | 197                     | 19                     |
| 2474-08152        | 00000/0000                       | 2-20025/0107     | 05/10/76         | 0              | 6604             | 5719N                                         | 03147E       | 46.7 146.6   | GGGG                               |                     |                      | 197                     | 20                     |
| 2474-08155        | 00000/0000                       | 2-20025/0108     | 05/10/76         | 0              | 6604             | 5555N                                         | 03056E       | 47.6 144.8   | GGGG                               |                     |                      | 197                     | 21                     |
| 2474-08161        | 00000/0000                       | 2-20025/0109     | 05/10/76         | 10             | 6604             | 5432N                                         | 03008E       | 48.5 142.9   | GGGG                               |                     |                      | 197                     | 22                     |
| 2474-08164        | 00000/0000                       | 2-20025/0110     | 05/10/76         | 10             | 6604             | 5307N                                         | 02922E       | 49.4 141.0   | GGGG                               |                     |                      | 197                     | 23                     |
| 2474-08170        | 00000/0000                       | 2-20025/0111     | 05/10/76         | 0              | 6604             | 5142N                                         | 02840E       | 50.2 139.2   | GGGG                               |                     |                      | 197                     | 24                     |
| 2474-08173        | 00000/0000                       | 2-20025/0112     | 05/10/76         | 10             | 6604             | 5017N                                         | 02759E       | 51.0 137.2   | GGGG                               |                     |                      | 197                     | 25                     |
| 2474-08175        | 00000/0000                       | 2-20025/0113     | 05/10/76         | 10             | 6604             | 4853N                                         | 02721E       | 51.8 135.3   | GGGG                               |                     |                      | 197                     | 26                     |
| 2474-08182        | 00000/0000                       | 2-20025/0114     | 05/10/76         | 10             | 6604             | 4728N                                         | 02644E       | 52.6 133.3   | GGGG                               |                     |                      | 197                     | 27                     |
| 2474-08184        | 00000/0000                       | 2-20025/0115     | 05/10/76         | 20             | 6604             | 4603N                                         | 02608E       | 53.3 131.2   | GGGG                               |                     |                      | 197                     | 28                     |
| 2474-08191        | 00000/0000                       | 2-20025/0116     | 05/10/76         | 20             | 6604             | 4437N                                         | 02535E       | 54.0 129.1   | GGGG                               |                     |                      | 197                     | 29                     |
| 2474-08193        | 00000/0000                       | 2-20025/0117     | 05/10/76         | 40             | 6604             | 4312N                                         | 02502E       | 54.6 127.0   | GGGG                               |                     |                      | 197                     | 30                     |
| 2474-08293        | 00000/0000                       | 2-20025/0118     | 05/10/76         | 10             | 6604             | 0843N                                         | 01525E       | 53.7 71.9    | GGGG                               |                     |                      | 197                     | 54                     |
| 2474-09525        | 00000/0000                       | 2-20025/0119     | 05/10/76         | 90             | 6605             | 7541N                                         | 03111E       | 32.0 180.7   | GGGG                               |                     |                      | 215                     | 6                      |
| 2474-09555        | 00000/0000                       | 2-20025/0120     | 05/10/76         | 90             | 6605             | 6654N                                         | 01405E       | 39.7 160.2   | GGGG                               |                     |                      | 215                     | 13                     |
| 2474-09561        | 00000/0000                       | 2-20025/0121     | 05/10/76         | 90             | 6605             | 6533N                                         | 01236E       | 40.8 158.1   | GGGG                               |                     |                      | 215                     | 14                     |
| 2474-11340        | 00000/0000                       | 2-20025/0123     | 05/10/76         | 90             | 6606             | 8013N                                         | 03351E       | 26.3 210.4   | GGGG                               |                     |                      | 232                     | 1                      |
| 2474-11343        | 00000/0000                       | 2-20025/0124     | 05/10/76         | 90             | 6606             | 7933N                                         | 02623E       | 27.4 202.8   | GGGG                               |                     |                      | 232                     | 2                      |
| 2474-11345        | 00000/0000                       | 2-20025/0125     | 05/10/76         | 80             | 6606             | 7843N                                         | 01953E       | 28.6 196.1   | GGGG                               |                     |                      | 232                     | 3                      |
| 2474-11352        | 00000/0000                       | 2-20025/0126     | 05/10/76         | 30             | 6606             | 7748N                                         | 01420E       | 29.8 190.2   | GGGG                               |                     |                      | 232                     | 4                      |
| 2474-11354        | 00000/0000                       | 2-20025/0127     | 05/10/76         | 70             | 6606             | 7646N                                         | 00935E       | 30.9 185.1   | GGGG                               |                     |                      | 233                     | 5                      |
| 2474-13172        | 00000/0000                       | 2-20025/0128     | 05/10/76         | 0              | 6607             | 8014N                                         | 00753E       | 26.3 210.4   | GGGG                               |                     |                      | 250                     | 1                      |
| 2474-13174        | 00000/0000                       | 2-20025/0129     | 05/10/76         | 30             | 6607             | 7944N                                         | 00026E       | 27.5 202.8   | GGGG                               |                     |                      | 250                     | 2                      |
| 2474-13181        | 00000/0000                       | 2-20025/0130     | 05/10/76         | 50             | 6607             | 7845N                                         | 00602W       | 28.6 196.0   | GGGG                               |                     |                      | 250                     | 3                      |
| 2474-13183        | 00000/0000                       | 2-20025/0131     | 05/10/76         | 70             | 6607             | 7749N                                         | 01135W       | 29.8 190.2   | GGGG                               |                     |                      | 251                     | 4                      |
| 2474-15003        | 00000/0000                       | 2-20025/0132     | 05/10/76         | 30             | 6608             | 8013N                                         | 01749W       | 26.3 210.4   | GGGG                               |                     |                      | 17                      | 1                      |
| 2474-15024        | 00000/0000                       | 2-20025/0133     | 05/10/76         | 100            | 6608             | 7540N                                         | 04614W       | 32.1 180.7   | GGGG                               |                     |                      | 18                      | 6                      |
| 2474-15103        | 00000/0000                       | 2-20025/0122     | 05/10/76         | 30             | 6608             | 5016N                                         | 07518W       | 51.1 137.1   | GGGG                               |                     |                      | 18                      | 25                     |
| 2474-16450        | 00000/0000                       | 2-20025/0134     | 05/10/76         | 90             | 6609             | 7749N                                         | 06314W       | 29.8 190.2   | GGGG                               |                     |                      | 36                      | 4                      |
| 2474-16532        | 00000/0000                       | 2-20025/0230     | 05/10/76         | 10             | 6609             | 5141N                                         | 10027W       | 50.3 139.1   | GGGG                               |                     |                      | 36                      | 24                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % & CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=UNCOMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0223

| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RSW<br>NUMBER |    |
|-------------------|------------------------------------------------|------------------|-----------------------|------------------------------------|--------------|--------------|-------------------|-------------|----------------------|-------------------------|------------------------|----|
|                   |                                                |                  |                       |                                    |              |              | 123               | 45678       | MODE                 |                         |                        |    |
| 2474-16535        | 00000/0000                                     | 2-20025/0231     | 05/10/76              | 1n                                 | 6609         | 5016N        | 10108W            | 51.1        | 137.1                | GGGG                    | 36                     | 25 |
| 2474-17003        | 00000/0000                                     | 2-20025/0232     | 05/10/76              | 0                                  | 6609         | 2726N        | 10857W            | 58.2        | 100.7                | GGGG                    | 36                     | 41 |
| 2474-17005        | 00000/0000                                     | 2-20025/0233     | 05/10/76              | 1n                                 | 6609         | 2600N        | 10921W            | 58.2        | 98.2                 | GGGG                    | 36                     | 42 |
| 2474-17012        | 00000/0000                                     | 2-20025/0234     | 05/10/76              | 50                                 | 6609         | 2433N        | 10945W            | 58.2        | 95.7                 | GGGG                    | 36                     | 43 |
| 2474-17014        | 00000/0000                                     | 2-20025/0235     | 05/10/76              | 3n                                 | 6609         | 2306N        | 11008W            | 58.0        | 93.3                 | GGGF                    | 36                     | 44 |
| 2474-17021        | 00000/0000                                     | 2-20025/0236     | 05/10/76              | 3n                                 | 6609         | 2140N        | 11030W            | 57.8        | 90.9                 | GGGG                    | 36                     | 45 |
| 2474-17023        | 00000/0000                                     | 2-20025/0237     | 05/10/76              | 50                                 | 6609         | 2014N        | 11051W            | 57.6        | 88.5                 | GGGG                    | 36                     | 46 |
| 2474-17030        | 00000/0000                                     | 2-20025/0238     | 05/10/76              | 4n                                 | 6609         | 1848N        | 11113W            | 57.3        | 86.2                 | GGGG                    | 36                     | 47 |
| 2475-01294        | 00000/0000                                     | 2-20025/0239     | 05/11/76              | 100                                | 6614         | 5141N        | 13030E            | 50.4        | 139.0                | F                       | 126                    | 24 |
| 2475-01301        | 00000/0000                                     | 2-20025/0240     | 05/11/76              | 90                                 | 6614         | 5017N        | 12949E            | 51.2        | 137.1                | FGGG                    | 126                    | 25 |
| 2475-01303        | 00000/0000                                     | 2-20025/0241     | 05/11/76              | 100                                | 6614         | 4852N        | 12911E            | 52.0        | 135.1                | GGGG                    | 126                    | 26 |
| 2475-01310        | 00000/0000                                     | 2-20025/0242     | 05/11/76              | 100                                | 6614         | 4727N        | 12834E            | 52.7        | 133.1                | GGGG                    | 126                    | 27 |
| 2475-01312        | 00000/0000                                     | 2-20025/0243     | 05/11/76              | 100                                | 6614         | 4602N        | 12800E            | 53.4        | 131.1                | GGGG                    | 126                    | 28 |
| 2475-01315        | 00000/0000                                     | 2-20025/0244     | 05/11/76              | 100                                | 6614         | 4437N        | 12727E            | 54.1        | 129.0                | GGGG                    | 126                    | 29 |
| 2475-01321        | 00000/0000                                     | 2-20025/0245     | 05/11/76              | 90                                 | 6614         | 4312N        | 12654E            | 54.7        | 126.8                | FGGG                    | 126                    | 30 |
| 2475-01330        | 00000/0000                                     | 2-20025/0246     | 05/11/76              | 90                                 | 6614         | 4021N        | 12553E            | 55.8        | 122.4                | GGGG                    | 126                    | 32 |
| 2475-03112        | 00000/0000                                     | 2-20025/0247     | 05/11/76              | 3n                                 | 6615         | 5718N        | 10746E            | 46.9        | 146.5                | FGGG                    | 144                    | 20 |
| 2475-03114        | 00000/0000                                     | 2-20025/0248     | 05/11/76              | 2n                                 | 6615         | 5554N        | 10655E            | 47.8        | 144.6                | GGGG                    | 144                    | 21 |
| 2475-03121        | 00000/0000                                     | 2-20025/0249     | 05/11/76              | 5n                                 | 6615         | 5430N        | 10607E            | 48.7        | 142.8                | FGGG                    | 144                    | 22 |
| 2475-03123        | 00000/0000                                     | 2-20025/0250     | 05/11/76              | 3n                                 | 6615         | 5306N        | 10521E            | 49.6        | 140.9                | GGGG                    | 144                    | 23 |
| 2475-03162        | 00000/0000                                     | 2-20025/0251     | 05/11/76              | 0                                  | 6615         | 4020N        | 10000E            | 55.9        | 122.3                | FGGG                    | 144                    | 32 |
| 2475-03164        | 00000/0000                                     | 2-20025/0252     | 05/11/76              | 20                                 | 6615         | 3844N        | 09931E            | 56.3        | 120.0                | GGGG                    | 144                    | 33 |
| 2475-03171        | 00000/0000                                     | 2-20025/0253     | 05/11/76              | 3n                                 | 6615         | 3728N        | 09903E            | 56.8        | 117.7                | GGGG                    | 144                    | 34 |
| 2475-03173        | 00000/0000                                     | 2-20025/0254     | 05/11/76              | 1n                                 | 6615         | 3602N        | 09836E            | 57.2        | 115.3                | GGGG                    | 144                    | 35 |
| 2475-04544        | 00000/0000                                     | 2-20025/0255     | 05/11/76              | 5n                                 | 6616         | 5718N        | 08159E            | 46.9        | 146.5                | FGGG                    | 162                    | 20 |
| 2475-04550        | 00000/0000                                     | 2-20025/0256     | 05/11/76              | 6n                                 | 6616         | 5555N        | 08107E            | 47.9        | 144.6                | GGGG                    | 162                    | 21 |
| 2475-04553        | 00000/0000                                     | 2-20025/0257     | 05/11/76              | 30                                 | 6616         | 5430N        | 08019E            | 48.7        | 142.8                | GGGG                    | 162                    | 22 |
| 2475-04555        | 00000/0000                                     | 2-20025/0258     | 05/11/76              | 1n                                 | 6616         | 5306N        | 07933E            | 49.6        | 140.9                | GGGG                    | 162                    | 23 |
| 2475-04562        | 00000/0000                                     | 2-20025/0259     | 05/11/76              | 0                                  | 6616         | 5142N        | 07851E            | 50.4        | 139.0                | GGGG                    | 162                    | 24 |
| 2475-04564        | 00000/0000                                     | 2-20025/0260     | 05/11/76              | 0                                  | 6616         | 5018N        | 07811E            | 51.3        | 137.0                | GGGG                    | 162                    | 25 |
| 2475-04571        | 00000/0000                                     | 2-20025/0261     | 05/11/76              | 40                                 | 6616         | 4853N        | 07732E            | 52.0        | 135.1                | GGGG                    | 162                    | 26 |
| 2475-04585        | 00000/0000                                     | 2-20025/0262     | 05/11/76              | 10                                 | 6616         | 4311N        | 07514E            | 54.8        | 126.8                | GGGG                    | 162                    | 30 |
| 2475-04591        | 00000/0000                                     | 2-20025/0263     | 05/11/76              | 20                                 | 6616         | 4146N        | 07443E            | 55.3        | 124.6                | GGGG                    | 162                    | 31 |
| 2475-04594        | 00000/0000                                     | 2-20025/0264     | 05/11/76              | 20                                 | 6616         | 4020N        | 07413E            | 55.9        | 122.3                | GGGG                    | 162                    | 32 |
| 2475-05000        | 00000/0000                                     | 2-20025/0265     | 05/11/76              | 1n                                 | 6616         | 3855N        | 07344E            | 56.4        | 120.0                | GGGG                    | 162                    | 33 |
| 2475-05003        | 00000/0000                                     | 2-20025/0266     | 05/11/76              | 10                                 | 6616         | 3729N        | 07316E            | 56.8        | 117.7                | GGGG                    | 162                    | 34 |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0224

| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RRV | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RRV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2475-05005        | 00000/0000                                     | 2-20025/0267     | 05/11/76       | 10                     | 6616                               | 3603N                               | 07248E       | 57.2         | 115.3             | GGGG                |                      |                         |                        |
| 2475-05012        | 00000/0000                                     | 2-20025/0268     | 05/11/76       | 20                     | 6616                               | 3437N                               | 07221E       | 57.5         | 112.9             | GGGG                |                      | 162                     | 35                     |
| 2475-05014        | 00000/0000                                     | 2-20025/0269     | 05/11/76       | 20                     | 6616                               | 3310N                               | 07156E       | 57.8         | 110.4             | GGGG                |                      | 162                     | 36                     |
| 2475-06370        | 00000/0000                                     | 2-20024/1622     | 05/11/76       | 70                     | 6617                               | 6004N                               | 05800E       | 45.1         | 150.2             | G                   |                      | 162                     | 37                     |
| 2475-06373        | 00000/0000                                     | 2-20024/1623     | 05/11/76       | 50                     | 6617                               | 5841N                               | 05701E       | 46.0         | 148.3             | GFGG                |                      | 180                     | 18                     |
| 2475-06375        | 00000/0000                                     | 2-20024/1624     | 05/11/76       | 70                     | 6617                               | 5717N                               | 05607E       | 47.0         | 146.5             | GFGG                |                      | 180                     | 19                     |
| 2475-06382        | 00000/0000                                     | 2-20024/1625     | 05/11/76       | 50                     | 6617                               | 5553N                               | 05516E       | 47.9         | 144.6             | GGGG                |                      | 180                     | 20                     |
| 2475-06384        | 00000/0000                                     | 2-20024/1626     | 05/11/76       | 70                     | 6617                               | 5429N                               | 05428E       | 48.8         | 142.7             | GGGG                |                      | 180                     | 21                     |
| 2475-06391        | 00000/0000                                     | 2-20024/1627     | 05/11/76       | 10                     | 6617                               | 5305N                               | 05343E       | 49.6         | 140.9             | GGGG                |                      | 180                     | 22                     |
| 2475-06393        | 00000/0000                                     | 2-20024/1628     | 05/11/76       | 50                     | 6617                               | 5141N                               | 05301E       | 50.5         | 139.0             | GGGG                |                      | 180                     | 23                     |
| 2475-06400        | 00000/0000                                     | 2-20025/0152     | 05/11/76       | 30                     | 6617                               | 5016N                               | 05221E       | 51.3         | 137.0             | GGGG                |                      | 180                     | 24                     |
| 2475-06402        | 00000/0000                                     | 2-20025/0153     | 05/11/76       | 10                     | 6617                               | 4851N                               | 05143E       | 52.1         | 135.1             | GGGG                |                      | 180                     | 25                     |
| 2475-06423        | 00000/0000                                     | 2-20025/0154     | 05/11/76       | 30                     | 6617                               | 4145N                               | 04852E       | 55.4         | 124.5             | GGGG                |                      | 180                     | 26                     |
| 2475-06425        | 00000/0000                                     | 2-20025/0155     | 05/11/76       | 30                     | 6617                               | 4020N                               | 04823E       | 55.9         | 122.3             | GGGG                |                      | 180                     | 31                     |
| 2475-06432        | 00000/0000                                     | 2-20025/0156     | 05/11/76       | 10                     | 6617                               | 3854N                               | 04754E       | 56.4         | 120.0             | GGGG                |                      | 180                     | 32                     |
| 2475-08175        | 00000/0000                                     | 2-20025/0157     | 05/11/76       | 80                     | 6618                               | 6812N                               | 04008E       | 38.9         | 162.4             | FGGG                |                      | 198                     | 12                     |
| 2475-08212        | 00000/0000                                     | 2-20025/0158     | 05/11/76       | 0                      | 6618                               | 5553N                               | 02928E       | 47.9         | 144.6             | GGGG                |                      | 198                     | 21                     |
| 2475-08220        | 00000/0000                                     | 2-20025/0159     | 05/11/76       | 0                      | 6618                               | 5430N                               | 02840E       | 48.8         | 142.7             | GGGG                |                      | 198                     | 22                     |
| 2475-08222        | 00000/0000                                     | 2-20025/0160     | 05/11/76       | 0                      | 6618                               | 5306N                               | 02755E       | 49.7         | 140.8             | GGGG                |                      | 198                     | 23                     |
| 2475-08225        | 00000/0000                                     | 2-20025/0161     | 05/11/76       | 10                     | 6618                               | 5141N                               | 02712E       | 50.5         | 138.9             | GGGG                |                      | 198                     | 24                     |
| 2475-08231        | 00000/0000                                     | 2-20025/0162     | 05/11/76       | 10                     | 6618                               | 5015N                               | 02632E       | 51.3         | 137.0             | GGGG                |                      | 198                     | 25                     |
| 2475-08234        | 00000/0000                                     | 2-20025/0163     | 05/11/76       | 10                     | 6618                               | 4851N                               | 02554E       | 52.1         | 135.0             | GGGG                |                      | 198                     | 26                     |
| 2475-13321        | 00000/0000                                     | 2-20025/0165     | 05/11/76       | 90                     | 6621                               | 5307N                               | 04932W       | 49.7         | 140.9             | GGGG                |                      | 1                       | 23                     |
| 2475-13323        | 00000/0000                                     | 2-20025/0166     | 05/11/76       | 90                     | 6621                               | 5142N                               | 05014W       | 50.5         | 138.9             | GGGG                |                      | 1                       | 24                     |
| 2475-13330        | 00000/0000                                     | 2-20025/0167     | 05/11/76       | 50                     | 6621                               | 5018N                               | 05054W       | 51.3         | 137.0             | GGGG                |                      | 1                       | 25                     |
| 2475-13332        | 00000/0000                                     | 2-20025/0168     | 05/11/76       | 60                     | 6621                               | 4853N                               | 05132W       | 52.1         | 135.0             | GGGG                |                      | 1                       | 26                     |
| 2475-13335        | 00000/0000                                     | 2-20025/0169     | 05/11/76       | 80                     | 6621                               | 4728N                               | 05209W       | 52.8         | 133.0             | GGGG                |                      | 1                       | 27                     |
| 2475-13341        | 00000/0000                                     | 2-20025/0170     | 05/11/76       | 40                     | 6621                               | 4603N                               | 05244W       | 53.5         | 131.0             | GGGG                |                      | 1                       | 28                     |
| 2475-13344        | 00000/0000                                     | 2-20025/0171     | 05/11/76       | 10                     | 6621                               | 4437N                               | 05318W       | 54.2         | 128.8             | FGGG                |                      | 1                       | 29                     |
| 2475-13350        | 00000/0000                                     | 2-20025/0172     | 05/11/76       | 10                     | 6621                               | 4312N                               | 05351W       | 54.8         | 126.7             | GGGG                |                      | 1                       | 30                     |
| 2475-13353        | 00000/0000                                     | 2-20025/0173     | 05/11/76       | 0                      | 6621                               | 4147N                               | 05423W       | 55.4         | 124.5             | GGGG                |                      | 1                       | 31                     |
| 2475-15162        | 00000/0000                                     | 2-20025/0073     | 05/11/76       | 90                     | 6622                               | 5018N                               | 07643W       | 51.3         | 137.0             | GGGG                |                      | 19                      | 25                     |
| 2475-16500        | 00000/0000                                     | 2-20025/0164     | 05/11/76       | 100                    | 6623                               | 7934N                               | 05230W       | 27.7         | 202.9             | FGGG                |                      | 36                      | 2                      |
| 2475-16591        | 00000/0000                                     | 2-20025/0135     | 05/11/76       | 10                     | 6623                               | 5142N                               | 10153W       | 50.6         | 138.9             | GGGG                |                      | 37                      | 24                     |
| 2475-16593        | 00000/0000                                     | 2-20025/0136     | 05/11/76       | 10                     | 6623                               | 5018N                               | 10234W       | 51.4         | 137.0             | GFGG                |                      | 37                      | 25                     |
| 2475-17061        | 00000/0000                                     | 2-20025/0137     | 05/11/76       | 20                     | 6623                               | 2728N                               | 11025W       | 58.3         | 100.3             | GGGG                |                      | 37                      | 41                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % & CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=9 AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 77

LANHSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01 22/77

PAGE 0225

| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2475-17064        | 00000/0000                                     | 2-20025/0138     | 05/11/76       | 10              | 6623                               | 2602N                               | 11048W       | 58.3         | 97.8                               | FFGG                |                      | 37                      | 42                     |
| 2475-17070        | 00000/0000                                     | 2-20025/0139     | 05/11/76       | 10              | 6623                               | 2436N                               | 11110W       | 58.2         | 95.3                               | GGGG                |                      | 37                      | 43                     |
| 2475-17073        | 00000/0000                                     | 2-20025/0140     | 05/11/76       | 70              | 6623                               | 2309N                               | 11133W       | 58.1         | 92.8                               | GGGG                |                      | 37                      | 44                     |
| 2475-17075        | 00000/0000                                     | 2-20025/0141     | 05/11/76       | 60              | 6623                               | 2143N                               | 11155W       | 57.9         | 90.4                               | GGGG                |                      | 37                      | 45                     |
| 2475-17082        | 00000/0000                                     | 2-20025/0142     | 05/11/76       | 30              | 6623                               | 2016N                               | 11216W       | 57.6         | 88.1                               | FGGG                |                      | 37                      | 46                     |
| 2475-20163        | 00000/0000                                     | 2-20025/0143     | 05/11/76       | 50              | 6625                               | 7934N                               | 10406W       | 27.8         | 202.8                              | GGGG                |                      | 72                      | 2                      |
| 2475-20165        | 00000/0000                                     | 2-20025/0144     | 05/11/76       | 50              | 6625                               | 7845N                               | 11039W       | 28.9         | 196.1                              | GGGG                |                      | 72                      | 3                      |
| 2475-20172        | 00000/0000                                     | 2-20025/0145     | 05/11/76       | 30              | 6625                               | 7749N                               | 11615W       | 30.1         | 190.2                              | GGGG                |                      | 72                      | 4                      |
| 2475-20174        | 00000/0000                                     | 2-20025/0146     | 05/11/76       | 80              | 6625                               | 7647N                               | 12101W       | 31.3         | 185.1                              | GGGG                |                      | 73                      | 5                      |
| 2475-20181        | 00000/0000                                     | 2-20025/0147     | 05/11/76       | 50              | 6625                               | 7541N                               | 12505W       | 32.4         | 180.7                              | GGGG                |                      | 73                      | 6                      |
| 2475-20183        | 00000/0000                                     | 2-20025/0148     | 05/11/76       | 40              | 6625                               | 7432N                               | 12836W       | 33.5         | 176.8                              | GGGG                |                      | 73                      | 7                      |
| 2475-20190        | 00000/0000                                     | 2-20025/0149     | 05/11/76       | 70              | 6625                               | 7320N                               | 13138W       | 34.7         | 173.3                              | GGGG                |                      | 73                      | 8                      |
| 2475-20192        | 00000/0000                                     | 2-20025/0150     | 05/11/76       | 100             | 6625                               | 7205N                               | 13417W       | 35.8         | 170.2                              | GGGG                |                      | 73                      | 9                      |
| 2475-20195        | 00000/0000                                     | 2-20025/0151     | 05/11/76       | 90              | 6625                               | 7050N                               | 13638W       | 36.9         | 167.4                              | GGGG                |                      | 73                      | 10                     |
| 2476-01355        | 00000/0000                                     | 2-20024/1629     | 05/12/76       | 50              | 6628                               | 5015N                               | 12822E       | 51.5         | 136.9                              | GGGG                |                      | 127                     | 25                     |
| 2476-01362        | 00000/0000                                     | 2-20024/1630     | 05/12/76       | 90              | 6628                               | 4800N                               | 12744E       | 52.2         | 134.9                              | GGGG                |                      | 127                     | 26                     |
| 2476-01364        | 00000/0000                                     | 2-20024/1631     | 05/12/76       | 100             | 6628                               | 4726N                               | 12707E       | 53.0         | 132.8                              | GGGG                |                      | 127                     | 27                     |
| 2476-01371        | 00000/0000                                     | 2-20024/1632     | 05/12/76       | 100             | 6628                               | 4601N                               | 12632E       | 53.7         | 130.8                              | GGGG                |                      | 127                     | 28                     |
| 2476-01373        | 00000/0000                                     | 2-20024/1633     | 05/12/76       | 100             | 6628                               | 4435N                               | 12558E       | 54.3         | 128.7                              | GGGG                |                      | 127                     | 29                     |
| 2476-01380        | 00000/0000                                     | 2-20024/1634     | 05/12/76       | 90              | 6628                               | 4310N                               | 12524E       | 54.9         | 126.5                              | GGGG                |                      | 127                     | 30                     |
| 2476-01382        | 00000/0000                                     | 2-20024/1635     | 05/12/76       | 90              | 6628                               | 4144N                               | 12455E       | 55.5         | 124.3                              | GGGG                |                      | 127                     | 31                     |
| 2476-01385        | 00000/0000                                     | 2-20024/1636     | 05/12/76       | 80              | 6628                               | 4019N                               | 12424E       | 56.0         | 122.0                              | GGGG                |                      | 127                     | 32                     |
| 2476-01391        | 00000/0000                                     | 2-20024/1637     | 05/12/76       | 10              | 6628                               | 3853N                               | 12355E       | 56.5         | 119.7                              | GGGG                |                      | 127                     | 33                     |
| 2476-01394        | 00000/0000                                     | 2-20024/1638     | 05/12/76       | 0               | 6628                               | 3728N                               | 12327E       | 57.0         | 117.4                              | GGGG                |                      | 127                     | 34                     |
| 2476-01412        | 00000/0000                                     | 2-20024/1639     | 05/12/76       | 20              | 6628                               | 3144N                               | 12142E       | 58.1         | 107.6                              | GGGG                |                      | 127                     | 38                     |
| 2476-01414        | 00000/0000                                     | 2-20024/1640     | 05/12/76       | 20              | 6628                               | 3018N                               | 12116E       | 58.3         | 105.1                              | GGGG                |                      | 127                     | 39                     |
| 2476-01423        | 00000/0000                                     | 2-20024/1641     | 05/12/76       | 100             | 6628                               | 2726N                               | 12027E       | 58.4         | 100.1                              | GGGG                |                      | 127                     | 41                     |
| 2476-03173        | 00000/0000                                     | 2-20024/1642     | 05/12/76       | 10              | 6629                               | 5552N                               | 10527E       | 48.1         | 144.5                              | GGGG                |                      | 145                     | 21                     |
| 2476-03175        | 00000/0000                                     | 2-20024/1643     | 05/12/76       | 50              | 6629                               | 5428N                               | 10439E       | 49.0         | 142.6                              | GGGG                |                      | 145                     | 22                     |
| 2476-03182        | 00000/0000                                     | 2-20024/1644     | 05/12/76       | 10              | 6629                               | 5344N                               | 10364E       | 49.8         | 140.7                              | GGGG                |                      | 145                     | 23                     |
| 2476-03184        | 00000/0000                                     | 2-20024/1645     | 05/12/76       | 20              | 6629                               | 5140N                               | 10312E       | 50.7         | 138.8                              | GGGG                |                      | 145                     | 24                     |
| 2476-03220        | 00000/0000                                     | 2-20024/1646     | 05/12/76       | 0               | 6629                               | 4019N                               | 09834E       | 56.1         | 122.0                              | GGG                 |                      | 145                     | 32                     |
| 2476-03223        | 00000/0000                                     | 2-20024/1647     | 05/12/76       | 10              | 6629                               | 3853N                               | 09805E       | 56.5         | 119.7                              | GGGG                |                      | 145                     | 33                     |
| 2476-04595        | 00000/0000                                     | 2-20024/1648     | 05/12/76       | 90              | 6630                               | 5840N                               | 08123E       | 46.3         | 140.2                              | FGGG                |                      | 163                     | 19                     |
| 2476-05002        | 00000/0000                                     | 2-20024/1649     | 05/12/76       | 70              | 6630                               | 5716N                               | 08029E       | 47.2         | 146.3                              | GGGG                |                      | 163                     | 20                     |
| 2476-05004        | 00000/0000                                     | 2-20024/1650     | 05/12/76       | 40              | 6630                               | 5552N                               | 07938E       | 48.1         | 144.5                              | GGGG                |                      | 163                     | 21                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0224

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV.<br>AZIM. | SUN<br>ELEV.<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|-----------------------------------------|-----------------------|-----------------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2476-05011        | 00000/0000                   | 2-20024/1651                | 05/12/76         | 70             | 6630                   | 5428N                                   | 07850E                | 49.0 142.6            | GGGG                               |                     |                      | 163                     | 22                     |
| 2476-05013        | 00000/0000                   | 2-20024/1652                | 05/12/76         | 60             | 6630                   | 5304N                                   | 07805E                | 49.9 140.7            | GGGG                               |                     |                      | 163                     | 23                     |
| 2476-05020        | 00000/0000                   | 2-20024/1653                | 05/12/76         | 30             | 6630                   | 5140N                                   | 07722E                | 50.7 138.8            | GGGG                               |                     |                      | 163                     | 24                     |
| 2476-05022        | 00000/0000                   | 2-20024/1654                | 05/12/76         | 10             | 6630                   | 5015N                                   | 07641E                | 51.5 136.8            | GGGG                               |                     |                      | 163                     | 25                     |
| 2476-05025        | 00000/0000                   | 2-20024/1655                | 05/12/76         | 10             | 6630                   | 4850N                                   | 07603E                | 52.3 134.8            | GGGG                               |                     |                      | 163                     | 26                     |
| 2476-05043        | 00000/0000                   | 2-20024/1656                | 05/12/76         | 20             | 6630                   | 4308N                                   | 07346E                | 55.0 126.4            | GGGG                               |                     |                      | 163                     | 30                     |
| 2476-05045        | 00000/0000                   | 2-20024/1657                | 05/12/76         | 10             | 6630                   | 4143N                                   | 07315E                | 55.5 124.2            | GGGG                               |                     |                      | 163                     | 31                     |
| 2476-05052        | 00000/0000                   | 2-20024/1658                | 05/12/76         | 10             | 6630                   | 4018N                                   | 07245E                | 56.1 122.0            | GGGG                               |                     |                      | 163                     | 32                     |
| 2476-06431        | 00000/0000                   | 2-20025/0348                | 05/12/76         | 20             | 6631                   | 5839N                                   | 05535E                | 46.3 148.2            | GGGG                               |                     |                      | 181                     | 19                     |
| 2476-06433        | 00000/0000                   | 2-20025/0349                | 05/12/76         | 20             | 6631                   | 5716N                                   | 05441E                | 47.2 146.3            | GGGG                               |                     |                      | 181                     | 20                     |
| 2476-06440        | 00000/0000                   | 2-20025/0174                | 05/12/76         | 20             | 6631                   | 5552N                                   | 05350E                | 48.1 144.4            | GGGG                               |                     |                      | 181                     | 21                     |
| 2476-06442        | 00000/0000                   | 2-20025/0175                | 05/12/76         | 40             | 6631                   | 5428N                                   | 05302E                | 49.0 142.6            | GGGG                               |                     |                      | 181                     | 22                     |
| 2476-06445        | 00000/0000                   | 2-20025/0176                | 05/12/76         | 10             | 6631                   | 5303N                                   | 05217E                | 49.9 140.7            | GGGG                               |                     |                      | 181                     | 23                     |
| 2476-06451        | 00000/0000                   | 2-20025/0177                | 05/12/76         | 10             | 6631                   | 5139N                                   | 05134E                | 50.7 138.7            | GGGG                               |                     |                      | 181                     | 24                     |
| 2476-06454        | 00000/0000                   | 2-20025/0178                | 05/12/76         | 10             | 6631                   | 5014N                                   | 05053E                | 51.5 136.8            | GGGG                               |                     |                      | 181                     | 25                     |
| 2476-06474        | 00000/0000                   | 2-20025/0179                | 05/12/76         | 50             | 6631                   | 4308N                                   | 04756E                | 55.0 126.4            | GGGG                               |                     |                      | 181                     | 30                     |
| 2476-06481        | 00000/0000                   | 2-20025/0180                | 05/12/76         | 20             | 6631                   | 4143N                                   | 04725E                | 55.6 124.2            | GGGG                               |                     |                      | 181                     | 31                     |
| 2476-06483        | 00000/0000                   | 2-20025/0181                | 05/12/76         | 10             | 6631                   | 4017N                                   | 04655E                | 56.1 121.9            | GGGG                               |                     |                      | 181                     | 32                     |
| 2476-06490        | 00000/0000                   | 2-20025/0182                | 05/12/76         | 10             | 6631                   | 3852N                                   | 04626E                | 56.6 119.6            | GGGG                               |                     |                      | 181                     | 33                     |
| 2476-06492        | 00000/0000                   | 2-20025/0183                | 05/12/76         | 90             | 6631                   | 3726N                                   | 04557E                | 57.0 117.3            | GGGG                               |                     |                      | 181                     | 34                     |
| 2476-06510        | 00000/0000                   | 2-20025/0184                | 05/12/76         | 90             | 6631                   | 3142N                                   | 04412E                | 58.2 107.5            | GGGG                               |                     |                      | 181                     | 38                     |
| 2476-08272        | 00000/0000                   | 2-20025/0185                | 05/12/76         | 10             | 6632                   | 5551N                                   | 02802E                | 48.2 144.4            | GGGG                               |                     |                      | 199                     | 21                     |
| 2476-08274        | 00000/0000                   | 2-20025/0186                | 05/12/76         | 10             | 6632                   | 5428N                                   | 02714E                | 49.0 142.6            | GGGG                               |                     |                      | 199                     | 22                     |
| 2476-08281        | 00000/0000                   | 2-20025/0187                | 05/12/76         | 10             | 6632                   | 5303N                                   | 02628E                | 49.9 140.6            | GGGG                               |                     |                      | 199                     | 23                     |
| 2476-08283        | 00000/0000                   | 2-20025/0188                | 05/12/76         | 10             | 6632                   | 5139N                                   | 02545E                | 50.7 138.7            | GGGG                               |                     |                      | 199                     | 24                     |
| 2476-08290        | 00000/0000                   | 2-20025/0189                | 05/12/76         | 10             | 6632                   | 5014N                                   | 02505E                | 51.5 136.8            | GGGG                               |                     |                      | 199                     | 25                     |
| 2476-08292        | 00000/0000                   | 2-20025/0190                | 05/12/76         | 10             | 6632                   | 4849N                                   | 02427E                | 52.3 134.8            | GGGG                               |                     |                      | 199                     | 26                     |
| 2476-08295        | 00000/0000                   | 2-20025/0191                | 05/12/76         | 10             | 6632                   | 4724N                                   | 02351E                | 53.0 132.8            | GGGG                               |                     |                      | 199                     | 27                     |
| 2476-10035        | 00000/0000                   | 2-20025/0075                | 05/12/76         | 10             | 6633                   | 7644N                                   | 03218E                | 31.4 185.0            | GGGG                               |                     |                      | 217                     | 5                      |
| 2476-10042        | 00000/0000                   | 2-20025/0076                | 05/12/76         | 50             | 6633                   | 7538N                                   | 02813E                | 32.6 180.5            | GGGG                               |                     |                      | 217                     | 6                      |
| 2476-11453        | 00000/0000                   | 2-20025/0077                | 05/12/76         | 10             | 6634                   | 8011N                                   | 03044E                | 26.8 210.1            | GGGG                               |                     |                      | 234                     | 1                      |
| 2476-11455        | 00000/0000                   | 2-20025/0078                | 05/12/76         | 30             | 6634                   | 7931N                                   | 02318E                | 28.0 202.5            | GGGG                               |                     |                      | 234                     | 2                      |
| 2476-11462        | 00000/0000                   | 2-20025/0079                | 05/12/76         | 10             | 6634                   | 7841N                                   | 01651E                | 29.2 195.8            | GGGG                               |                     |                      | 234                     | 3                      |
| 2476-11464        | 00000/0000                   | 2-20025/0080                | 05/12/76         | 20             | 6634                   | 7745N                                   | 01117E                | 30.3 190.0            | GGGG                               |                     |                      | 235                     | 4                      |
| 2476-11471        | 00000/0000                   | 2-20025/0081                | 05/12/76         | 70             | 6634                   | 7644N                                   | 00430E                | 31.5 184.9            | GGGG                               |                     |                      | 235                     | 5                      |
| 2476-11503        | 00000/0000                   | 2-20025/0082                | 05/12/76         | 40             | 6634                   | 6649N                                   | 01436W                | 40.3 160.0            | GGGG                               |                     |                      | 235                     | 13                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 29, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------|------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2476-11505        | 00000/0000                   | 2-20025/0083                | 05/12/76         | 60             | 6634          | 6529N                        | 01606W       | 41.4 157.9   | GGGG                               |                     |                      | 235                     | 14                     |
| 2476-11512        | 00000/0000                   | 2-20025/0084                | 05/12/76         | 50             | 6634          | 6408N                        | 01727W       | 42.4 155.8   | GGGG                               |                     |                      | 235                     | 15                     |
| 2476-13284        | 00000/0000                   | 2-20025/0085                | 05/12/76         | 40             | 6635          | 8013N                        | 00509E       | 26.8 210.4   | GGGG                               |                     |                      | 1                       | 1                      |
| 2476-13291        | 00000/0000                   | 2-20025/0086                | 05/12/76         | 30             | 6635          | 7933N                        | 00717W       | 28.0 202.8   | GGGG                               |                     |                      | 1                       | 2                      |
| 2476-13293        | 00000/0000                   | 2-20025/0087                | 05/12/76         | 20             | 6635          | 7844N                        | 00848W       | 29.1 196.0   | GGGG                               |                     |                      | 1                       | 3                      |
| 2476-13300        | 00000/0000                   | 2-20025/0088                | 05/12/76         | 20             | 6635          | 7748N                        | 01424W       | 30.3 190.2   | GGGG                               |                     |                      | 1                       | 4                      |
| 2476-15220        | 00000/0000                   | 2-20025/0385                | 05/12/76         | 100            | 6636          | 5017N                        | 07808W       | 51.6 136.8   | GGGG                               |                     |                      | 20                      | 25                     |
| 2476-17042        | 00000/0000                   | 2-20025/0221                | 05/12/76         | 100            | 6637          | 5305N                        | 10236W       | 50.0 140.6   | FGGG                               |                     |                      | 38                      | 23                     |
| 2476-17045        | 00000/0000                   | 2-20025/0222                | 05/12/76         | 90             | 6637          | 5142N                        | 10318W       | 50.8 138.7   | FGGG                               |                     |                      | 38                      | 24                     |
| 2476-17051        | 00000/0000                   | 2-20025/0223                | 05/12/76         | 90             | 6637          | 5016N                        | 10359W       | 51.6 136.7   | FFGG                               |                     |                      | 38                      | 25                     |
| 2476-17113        | 00000/0000                   | 2-20025/0224                | 05/12/76         | 0              | 6637          | 2852N                        | 11126W       | 58.4 102.3   | GGGG                               |                     |                      | 38                      | 40                     |
| 2476-17115        | 00000/0000                   | 2-20025/0225                | 05/12/76         | 0              | 6637          | 2726N                        | 11150W       | 58.4 99.8    | GGGG                               |                     |                      | 38                      | 41                     |
| 2476-17122        | 00000/0000                   | 2-20025/0226                | 05/12/76         | 10             | 6637          | 2600N                        | 11213W       | 58.4 97.3    | GGGG                               |                     |                      | 38                      | 42                     |
| 2476-17124        | 00000/0000                   | 2-20025/0227                | 05/12/76         | 10             | 6637          | 2434N                        | 11236W       | 58.3 94.8    | GGGG                               |                     |                      | 38                      | 43                     |
| 2476-17131        | 00000/0000                   | 2-20025/0228                | 05/12/76         | 50             | 6637          | 2308N                        | 11259W       | 58.1 92.3    | FGGG                               |                     |                      | 38                      | 44                     |
| 2476-17133        | 00000/0000                   | 2-20025/0229                | 05/12/76         | 90             | 6637          | 2141N                        | 11321W       | 57.9 89.9    | PGGG                               |                     |                      | 38                      | 45                     |
| 2476-18413        | 2-20027/0638                 | 00000/0000                  | 05/12/76         | 90             | 6638          | 7317N                        | 10727W       | 34.9 173.2   | GGG                                |                     |                      | 56                      | 8                      |
| 2476-18415        | 2-20027/0639                 | 00000/0000                  | 05/12/76         | 90             | 6638          | 7203N                        | 11005W       | 36.1 170.1   | GGG                                |                     |                      | 56                      | 9                      |
| 2476-18422        | 2-20027/0640                 | 00000/0000                  | 05/12/76         | 100            | 6638          | 7046N                        | 11225W       | 37.2 167.2   | GGG                                |                     |                      | 56                      | 10                     |
| 2476-18424        | 2-20027/0641                 | 00000/0000                  | 05/12/76         | 100            | 6638          | 6928N                        | 11428W       | 38.2 164.7   | GGG                                |                     |                      | 56                      | 11                     |
| 2476-18431        | 2-20027/0642                 | 00000/0000                  | 05/12/76         | 90             | 6638          | 6810N                        | 11617W       | 39.3 162.3   | FGG                                |                     |                      | 56                      | 12                     |
| 2476-18433        | 2-20027/0643                 | 00000/0000                  | 05/12/76         | 50             | 6638          | 6649N                        | 11756W       | 40.4 160.0   | GGG                                |                     |                      | 56                      | 13                     |
| 2476-18440        | 2-20027/0644                 | 00000/0000                  | 05/12/76         | 20             | 6638          | 6529N                        | 11926W       | 41.4 157.8   | FGG                                |                     |                      | 56                      | 14                     |
| 2476-18442        | 2-20027/0645                 | 00000/0000                  | 05/12/76         | 20             | 6638          | 6407N                        | 12047W       | 42.5 155.8   | F                                  |                     |                      | 56                      | 15                     |
| 2476-18445        | 2-20027/0646                 | 00000/0000                  | 05/12/76         | 30             | 6638          | 6246N                        | 12201W       | 43.5 153.8   | G                                  |                     |                      | 56                      | 16                     |
| 2476-18451        | 2-20027/0647                 | 00000/0000                  | 05/12/76         | 10             | 6638          | 6123N                        | 12309W       | 44.5 151.9   | GGG                                |                     |                      | 56                      | 17                     |
| 2476-18454        | 2-20027/0648                 | 00000/0000                  | 05/12/76         | 50             | 6638          | 6000N                        | 12411W       | 45.5 150.0   | GGG                                |                     |                      | 56                      | 18                     |
| 2476-18463        | 2-20027/0649                 | 00000/0000                  | 05/12/76         | 100            | 6638          | 5714N                        | 12602W       | 47.4 146.2   | GGG                                |                     |                      | 56                      | 20                     |
| 2476-18465        | 2-20027/0650                 | 00000/0000                  | 05/12/76         | 100            | 6638          | 5551N                        | 12653W       | 48.3 144.3   | GGF                                |                     |                      | 56                      | 21                     |
| 2476-18474        | 2-20027/0651                 | 00000/0000                  | 05/12/76         | 100            | 6638          | 5303N                        | 12825W       | 50.0 140.6   | GGG                                |                     |                      | 56                      | 23                     |
| 2476-18481        | 2-20027/0652                 | 00000/0000                  | 05/12/76         | 100            | 6638          | 5138N                        | 12907W       | 50.8 138.6   | FGG                                |                     |                      | 56                      | 24                     |
| 2476-18483        | 2-20027/0653                 | 00000/0000                  | 05/12/76         | 100            | 6638          | 5013N                        | 12948W       | 51.6 136.7   | FPP                                |                     |                      | 56                      | 25                     |
| 2476-22082        | 00000/0000                   | 2-20025/0074                | 05/12/76         | 70             | 6640          | 7203N                        | 16141W       | 36.1 170.1   | GGGG                               |                     |                      | 92                      | 9                      |
| 2477-01413        | 00000/0000                   | 2-20025/0326                | 05/13/76         | 30             | 6642          | 5014N                        | 12657E       | 51.7 136.6   | G                                  |                     |                      | 128                     | 25                     |
| 2477-01420        | 00000/0000                   | 2-20025/0327                | 05/13/76         | 10             | 6642          | 4849N                        | 12618E       | 52.5 134.6   | GGGG                               |                     |                      | 128                     | 26                     |
| 2477-01422        | 00000/0000                   | 2-20025/0328                | 05/13/76         | 0              | 6642          | 4724N                        | 12541E       | 53.2 132.6   | GGGG                               |                     |                      | 128                     | 27                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RRV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------|------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2477-01425        | 00000/0000                                     | 2-20025/0329     | 05/13/76       | 0                | 6642                               | 4559N        | 12505E       | 53.9                               | 130.5               | GGGG                 |                         |                        |
| 2477-01431        | 00000/0000                                     | 2-20025/0330     | 05/13/76       | 0                | 6642                               | 4434N        | 12431E       | 54.5                               | 128.4               | GGGG                 | 128                     | 28                     |
| 2477-01434        | 00000/0000                                     | 2-20025/0331     | 05/13/76       | 0                | 6642                               | 4379N        | 12359E       | 55.1                               | 126.2               | GGGG                 | 128                     | 29                     |
| 2477-01440        | 00000/0000                                     | 2-20025/0332     | 05/13/76       | 0                | 6642                               | 4144N        | 12328E       | 55.7                               | 123.9               | GGGG                 | 128                     | 30                     |
| 2477-01443        | 00000/0000                                     | 2-20025/0333     | 05/13/76       | 0                | 6642                               | 4018N        | 12258E       | 56.2                               | 121.7               | GGGG                 | 128                     | 31                     |
| 2477-01445        | 00000/0000                                     | 2-20025/0334     | 05/13/76       | 10               | 6642                               | 3853N        | 12229E       | 56.7                               | 119.3               | GGGG                 | 128                     | 32                     |
| 2477-01472        | 00000/0000                                     | 2-20025/0335     | 05/13/76       | 30               | 6642                               | 3017N        | 11952E       | 58.4                               | 104.6               | GGGG                 | 128                     | 33                     |
| 2477-03334        | 00000/0000                                     | 2-20025/0336     | 05/13/76       | 80               | 6643                               | 2011N        | 09121E       | 57.7                               | 87.3                | GGGG                 | 128                     | 39                     |
| 2477-03340        | 00000/0000                                     | 2-20025/0337     | 05/13/76       | 40               | 6643                               | 1845N        | 09059E       | 57.3                               | 85.0                | GGGG                 | 146                     | 46                     |
| 2477-03343        | 00000/0000                                     | 2-20025/0338     | 05/13/76       | 50               | 6643                               | 1719N        | 09037E       | 56.9                               | 82.7                | GGGG                 | 146                     | 47                     |
| 2477-03345        | 00000/0000                                     | 2-20025/0339     | 05/13/76       | 40               | 6643                               | 1552N        | 09016E       | 56.5                               | 80.5                | GGGG                 | 146                     | 48                     |
| 2477-03352        | 00000/0000                                     | 2-20025/0340     | 05/13/76       | 50               | 6643                               | 1424N        | 08954E       | 56.0                               | 78.4                | GGGG                 | 146                     | 49                     |
| 2477-03354        | 00000/0000                                     | 2-20025/0341     | 05/13/76       | 90               | 6643                               | 1258N        | 08934E       | 55.4                               | 76.4                | GGGG                 | 146                     | 50                     |
| 2477-03361        | 00000/0000                                     | 2-20025/0342     | 05/13/76       | 30               | 6643                               | 1132N        | 08913E       | 54.9                               | 74.4                | GGGG                 | 146                     | 51                     |
| 2477-03363        | 00000/0000                                     | 2-20025/0343     | 05/13/76       | 30               | 6643                               | 1005N        | 08853E       | 54.2                               | 72.5                | GGGG                 | 146                     | 52                     |
| 2477-03370        | 00000/0000                                     | 2-20025/0344     | 05/13/76       | 20               | 6643                               | 0839N        | 08832E       | 53.5                               | 70.7                | GGGG                 | 146                     | 53                     |
| 2477-03372        | 00000/0000                                     | 2-20025/0345     | 05/13/76       | 30               | 6643                               | 0713N        | 08812E       | 52.8                               | 68.9                | GGGG                 | 146                     | 54                     |
| 2477-03375        | 00000/0000                                     | 2-20025/0346     | 05/13/76       | 20               | 6643                               | 0546N        | 08752E       | 52.1                               | 67.3                | GGGG                 | 146                     | 55                     |
| 2477-03381        | 00000/0000                                     | 2-20025/0347     | 05/13/76       | 20               | 6643                               | 0419N        | 08732E       | 51.3                               | 65.7                | GGGG                 | 146                     | 56                     |
| 2477-05063        | 00000/0000                                     | 2-20025/0350     | 05/13/76       | 10               | 6644                               | 5541N        | 07812E       | 48.4                               | 144.3               | GGGG                 | 164                     | 57                     |
| 2477-05065        | 00000/0000                                     | 2-20025/0351     | 05/13/76       | 0                | 6644                               | 5428N        | 07724E       | 49.2                               | 142.4               | GGGG                 | 164                     | 21                     |
| 2477-05072        | 00000/0000                                     | 2-20025/0352     | 05/13/76       | 0                | 6644                               | 5374N        | 07639E       | 50.1                               | 140.5               | GGGG                 | 164                     | 22                     |
| 2477-05074        | 00000/0000                                     | 2-20025/0353     | 05/13/76       | 10               | 6644                               | 5178N        | 07556E       | 50.9                               | 138.6               | GGGG                 | 164                     | 23                     |
| 2477-05081        | 00000/0000                                     | 2-20025/0354     | 05/13/76       | 30               | 6644                               | 5013N        | 07516E       | 51.7                               | 136.6               | GGGG                 | 164                     | 24                     |
| 2477-06501        | 00000/0000                                     | 2-20025/0309     | 05/13/76       | 10               | 6645                               | 5426N        | 05135E       | 49.3                               | 142.4               | GGGG                 | 164                     | 25                     |
| 2477-06503        | 00000/0000                                     | 2-20025/0310     | 05/13/76       | 10               | 6645                               | 5372N        | 05050E       | 50.1                               | 140.5               | GGGG                 | 182                     | 22                     |
| 2477-06524        | 00000/0000                                     | 2-20025/0311     | 05/13/76       | 30               | 6645                               | 4557N        | 04737E       | 53.9                               | 130.4               | GGGG                 | 182                     | 23                     |
| 2477-06530        | 00000/0000                                     | 2-20025/0272     | 05/13/76       | 80               | 6645                               | 4423N        | 04704E       | 54.6                               | 128.3               | GGGG                 | 182                     | 28                     |
| 2477-06533        | 00000/0000                                     | 2-20025/0273     | 05/13/76       | 70               | 6645                               | 4308N        | 04631E       | 55.2                               | 126.1               | GGGG                 | 182                     | 29                     |
| 2477-06535        | 00000/0000                                     | 2-20025/0274     | 05/13/76       | 80               | 6645                               | 4142N        | 04600E       | 55.8                               | 123.9               | GGGG                 | 182                     | 30                     |
| 2477-06542        | 00000/0000                                     | 2-20025/0270     | 05/13/76       | 70               | 6645                               | 4017N        | 04530E       | 56.3                               | 121.6               | GGGG                 | 182                     | 31                     |
| 2477-06562        | 00000/0000                                     | 2-20025/0271     | 05/13/76       | 60               | 6645                               | 3307N        | 04312E       | 58.1                               | 109.5               | GGGG                 | 182                     | 32                     |
| 2477-08323        | 00000/0000                                     | 2-20025/0275     | 05/13/76       | 10               | 6646                               | 5713N        | 02726E       | 47.5                               | 146.1               | GGGG                 | 200                     | 37                     |
| 2477-08330        | 00000/0000                                     | 2-20025/0276     | 05/13/76       | 20               | 6646                               | 5540N        | 02636E       | 48.4                               | 144.3               | GGGG                 | 200                     | 20                     |
| 2477-08332        | 00000/0000                                     | 2-20025/0277     | 05/13/76       | 40               | 6646                               | 5426N        | 02549E       | 49.3                               | 142.4               | GGGG                 | 200                     | 21                     |
| 2477-08335        | 00000/0000                                     | 2-20025/0278     | 05/13/76       | 30               | 6646                               | 5302N        | 02504E       | 50.1                               | 140.5               | GGGG                 | 200                     | 22                     |
|                   |                                                |                  |                |                  |                                    |              |              |                                    |                     | GGGG                 | 200                     | 23                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2477-08341        | 00000/0000                           | 2-20025/0279     | 05/13/76         | 20             | 6646                   | 5138N                        | 02421E        | 51.0         | 138.5        | GGGG                  |                     |                      | 200                     | 24                     |
| 2477-08344        | 00000/0000                           | 2-20025/0280     | 05/13/76         | 30             | 6646                   | 5013N                        | 02340E        | 51.8         | 136.5        | GFGG                  |                     |                      | 200                     | 25                     |
| 2477-08350        | 00000/0000                           | 2-20025/0281     | 05/13/76         | 60             | 6646                   | 4848N                        | 02301E        | 52.5         | 134.5        | GGGG                  |                     |                      | 200                     | 26                     |
| 2477-08462        | 00000/0000                           | 2-20025/0282     | 05/13/76         | 10             | 6646                   | 1004N                        | 01127E        | 54.2         | 72.4         | GFGG                  |                     |                      | 200                     | 53                     |
| 2477-10093        | 00000/0000                           | 2-20025/0283     | 05/13/76         | 20             | 6647                   | 7646N                        | 03056E        | 31.7         | 185.1        | GGGG                  |                     |                      | 218                     | 5                      |
| 2477-10100        | 00000/0000                           | 2-20025/0284     | 05/13/76         | 70             | 6647                   | 7540N                        | 02651E        | 32.8         | 180.6        | GGGG                  |                     |                      | 218                     | 6                      |
| 2477-10202        | 00000/0000                           | 2-20025/0285     | 05/13/76         | 20             | 6647                   | 4144N                        | 00537W        | 55.8         | 123.9        | GGGG                  |                     |                      | 218                     | 31                     |
| 2477-10205        | 00000/0000                           | 2-20025/0286     | 05/13/76         | 30             | 6647                   | 4019N                        | 00607W        | 56.3         | 121.6        | GGGG                  |                     |                      | 218                     | 32                     |
| 2477-11505        | 2-20027/0583                         | 00000/0000       | 05/13/76         | 20             | 6648                   | 8040N                        | 03701E        | 26.0         | 218.2        | GGG                   |                     |                      | 217                     | 248                    |
| 2477-11511        | 2-20025/1256                         | 2-20025/0287     | 05/13/76         | 10             | 6648                   | 8012N                        | 02923E        | 27.1         | 210.3        | GGG                   | GGGG                |                      | 235                     | 1                      |
| 2477-11513        | 00000/0000                           | 2-20025/0288     | 05/13/76         | 30             | 6648                   | 7932N                        | 02200E        | 28.2         | 202.7        | GGGF                  |                     |                      | 235                     | 2                      |
| 2477-11514        | 2-20027/0584                         | 00000/0000       | 05/13/76         | 10             | 6648                   | 7929N                        | 02130E        | 28.3         | 202.2        | GGG                   |                     |                      | 235                     | 2                      |
| 2477-11520        | 2-20025/1257                         | 2-20025/0289     | 05/13/76         | 10             | 6648                   | 7842N                        | 01532E        | 29.4         | 196.0        | GGG                   | GGGG                |                      | 235                     | 3                      |
| 2477-11522        | 00000/0000                           | 2-20025/0290     | 05/13/76         | 70             | 6648                   | 7746N                        | 01000E        | 30.5         | 190.1        | GGGG                  |                     |                      | 235                     | 4                      |
| 2477-11523        | 2-20027/0585                         | 00000/0000       | 05/13/76         | 70             | 6648                   | 7742N                        | 00938E        | 30.6         | 189.7        | GG                    |                     |                      | 236                     | 4                      |
| 2477-11525        | 2-20025/1258                         | 2-20025/0291     | 05/13/76         | 30             | 6648                   | 7645N                        | 00514E        | 31.7         | 185.0        | GFG                   | GGGG                |                      | 236                     | 5                      |
| 2477-11561        | 00000/0000                           | 2-20025/0292     | 05/13/76         | 90             | 6648                   | 6651N                        | 01559W        | 40.5         | 160.0        | GGGG                  |                     |                      | 236                     | 13                     |
| 2477-11563        | 00000/0000                           | 2-20025/0585     | 05/13/76         | 100            | 6648                   | 6531N                        | 01729W        | 41.6         | 157.9        | GGGG                  |                     |                      | 236                     | 14                     |
| 2477-13340        | 2-20027/0586                         | 00000/0000       | 05/13/76         | 90             | 6649                   | 8041N                        | 01111E        | 26.0         | 218.2        | PFF                   |                     |                      | 235                     | 248                    |
| 2477-13343        | 2-20025/1259                         | 2-20025/0586     | 05/13/76         | 20             | 6649                   | 8013N                        | 00324E        | 27.1         | 210.3        | GGF                   | GGGG                |                      | 2                       | 1                      |
| 2477-13345        | 2-20025/1260                         | 2-20025/0587     | 05/13/76         | 20             | 6649                   | 7932N                        | 00400W        | 28.2         | 202.6        | GGG                   | GGGG                |                      | 2                       | 2                      |
| 2477-13352        | 2-20025/1261                         | 2-20025/0588     | 05/13/76         | 10             | 6649                   | 7843N                        | 01027W        | 29.4         | 195.9        | GGF                   | GGGG                |                      | 2                       | 3                      |
| 2477-13354        | 00000/0000                           | 2-20025/0589     | 05/13/76         | 10             | 6649                   | 7747N                        | 01400W        | 30.6         | 190.1        |                       | GGGG                |                      | 3                       | 4                      |
| 2477-13354        | 00000/0000                           | 2-20025/0590     | 05/13/76         | 100            | 6649                   | 6929N                        | 03826W        | 38.4         | 164.7        | GGGG                  |                     |                      | 3                       | 11                     |
| 2477-13390        | 00000/0000                           | 2-20025/0591     | 05/13/76         | 100            | 6649                   | 6810N                        | 04016W        | 39.5         | 162.3        | GGGG                  |                     |                      | 3                       | 12                     |
| 2477-13393        | 00000/0000                           | 2-20025/0592     | 05/13/76         | 100            | 6649                   | 6650N                        | 04154W        | 40.6         | 160.0        | GGGG                  |                     |                      | 3                       | 13                     |
| 2477-13395        | 00000/0000                           | 2-20025/0593     | 05/13/76         | 100            | 6649                   | 6530N                        | 04324W        | 41.6         | 157.8        | GGGG                  |                     |                      | 3                       | 14                     |
| 2477-13402        | 00000/0000                           | 2-20025/0594     | 05/13/76         | 100            | 6649                   | 6409N                        | 04445W        | 42.6         | 155.8        | GGGG                  |                     |                      | 3                       | 15                     |
| 2477-13411        | 00000/0000                           | 2-20025/0595     | 05/13/76         | 70             | 6649                   | 6125N                        | 04707W        | 44.6         | 151.8        | GGGG                  |                     |                      | 3                       | 17                     |
| 2477-15231        | 2-20027/0605                         | 00000/0000       | 05/13/76         | 70             | 6650                   | 6528N                        | 06914W        | 41.7         | 157.8        | G                     |                     |                      | 21                      | 14                     |
| 2477-15233        | 2-20027/0606                         | 00000/0000       | 05/13/76         | 60             | 6650                   | 6407N                        | 07035W        | 42.7         | 155.7        | GGG                   |                     |                      | 21                      | 15                     |
| 2477-15240        | 2-20027/0607                         | 00000/0000       | 05/13/76         | 10             | 6650                   | 6245N                        | 07150W        | 43.7         | 153.7        | G G                   |                     |                      | 21                      | 16                     |
| 2477-15242        | 2-20027/0608                         | 00000/0000       | 05/13/76         | 70             | 6650                   | 6122N                        | 07258W        | 44.7         | 151.8        | GGG                   |                     |                      | 21                      | 17                     |
| 2477-15245        | 2-20027/0609                         | 00000/0000       | 05/13/76         | 0              | 6650                   | 6000N                        | 07401W        | 45.7         | 149.9        | GGG                   |                     |                      | 21                      | 18                     |
| 2477-15251        | 2-20027/0610                         | 00000/0000       | 05/13/76         | 10             | 6650                   | 5837N                        | 07458W        | 46.6         | 148.0        | GGG                   |                     |                      | 21                      | 19                     |
| 2477-15254        | 2-20027/0611                         | 00000/0000       | 05/13/76         | 50             | 6650                   | 5714N                        | 07552W        | 47.6         | 146.1        | GGG                   |                     |                      | 21                      | 20                     |

KEYS: CLOUD COVER % ..... 0 To 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR N4N-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2477-15260        | 2-20027/0612                                   | 00000/0000       | 05/13/76       | 90              | 6650                         | 5550N         | 07442W       | 48.5         | 144.2                              | GGG                 |                      |                         |                        |
| 2477-15263        | 2-20027/0613                                   | 00000/0000       | 05/13/76       | 90              | 6650                         | 5426N         | 07730W       | 49.4         | 142.3                              | GGG                 |                      | 21                      | 21                     |
| 2477-15265        | 2-20027/0614                                   | 00000/0000       | 05/13/76       | 100             | 6650                         | 5301N         | 07815W       | 50.2         | 140.4                              | GGG                 |                      | 21                      | 22                     |
| 2477-15272        | 2-20025/1264                                   | 2-20025/0320     | 05/13/76       | 90              | 6650                         | 5140N         | 07856W       | 51.0         | 138.5                              | GGG                 | GGG                  | 21                      | 23                     |
| 2477-15274        | 2-20025/1265                                   | 2-20025/0321     | 05/13/76       | 10              | 6650                         | 5015N         | 07936W       | 51.8         | 136.5                              | GGG                 | GGG                  | 21                      | 24                     |
| 2477-17083        | 2-20027/0629                                   | 00000/0000       | 05/13/76       | 10              | 6651                         | 5834N         | 10049W       | 46.7         | 147.9                              | FFG                 |                      | 21                      | 25                     |
| 2477-17085        | 2-20027/0630                                   | 00000/0000       | 05/13/76       | 10              | 6651                         | 5710N         | 10143W       | 47.6         | 146.0                              | GGG                 |                      | 39                      | 19                     |
| 2477-17092        | 2-20025/1266                                   | 00000/0000       | 05/13/76       | 20              | 6651                         | 5553N         | 10230W       | 48.5         | 144.2                              | GGG                 |                      | 39                      | 20                     |
| 2477-17094        | 2-20025/1267                                   | 2-20025/0322     | 05/13/76       | 20              | 6651                         | 5428N         | 10317W       | 49.3         | 142.4                              | GGG                 |                      | 39                      | 21                     |
| 2477-17101        | 2-20025/1268                                   | 2-20025/0323     | 05/13/76       | 30              | 6651                         | 5304N         | 10402W       | 50.2         | 140.4                              | GGG                 | GGGG                 | 39                      | 22                     |
| 2477-17103        | 2-20025/1269                                   | 2-20025/0324     | 05/13/76       | 20              | 6651                         | 5140N         | 10444W       | 51.0         | 138.5                              | GGG                 | GGGG                 | 39                      | 23                     |
| 2477-17110        | 2-20025/1270                                   | 2-20025/0325     | 05/13/76       | 10              | 6651                         | 5015N         | 10524W       | 51.8         | 136.5                              | GGG                 | GGGG                 | 39                      | 24                     |
| 2477-17171        | 2-20027/0631                                   | 00000/0000       | 05/13/76       | 10              | 6651                         | 2845N         | 11256W       | 58.5         | 101.7                              | GGG                 |                      | 39                      | 25                     |
| 2477-17174        | 2-20027/0632                                   | 00000/0000       | 05/13/76       | 10              | 6651                         | 2718N         | 11319W       | 58.5         | 99.1                               | GGG                 |                      | 39                      | 40                     |
| 2477-17180        | 2-20027/0633                                   | 00000/0000       | 05/13/76       | 80              | 6651                         | 2552N         | 11342W       | 58.5         | 96.6                               | GGG                 |                      | 39                      | 41                     |
| 2477-17183        | 2-20027/0634                                   | 00000/0000       | 05/13/76       | 60              | 6651                         | 2426N         | 11404W       | 58.4         | 94.1                               | GGG                 |                      | 39                      | 42                     |
| 2477-18435        | 2-20027/0587                                   | 00000/0000       | 05/13/76       | 0               | 6652                         | 8042N         | 06619W       | 26.0         | 218.1                              | GGG                 |                      | 44                      | 43                     |
| 2477-20280        | 2-20027/0561                                   | 00000/0000       | 05/13/76       | 100             | 6653                         | 7932N         | 10729W       | 28.4         | 202.4                              | GGG                 |                      | 74                      | 247                    |
| 2477-20282        | 2-20025/1278                                   | 2-20025/0386     | 05/13/76       | 80              | 6653                         | 7843N         | 11345W       | 29.5         | 195.9                              | GGG                 | FFFF                 | 74                      | 2                      |
| 2477-20294        | 00000/0000                                     | 2-20025/0387     | 05/13/76       | 50              | 6653                         | 7746N         | 11920W       | 30.7         | 190.0                              | GGG                 | GGFG                 | 75                      | 3                      |
| 2477-20285        | 2-20027/0562                                   | 00000/0000       | 05/13/76       | 90              | 6653                         | 7744N         | 11930W       | 30.7         | 189.9                              | GGG                 |                      | 75                      | 4                      |
| 2477-20291        | 2-20025/1279                                   | 2-20025/0388     | 05/13/76       | 20              | 6653                         | 7645N         | 12402W       | 31.8         | 185.0                              | GGG                 | FGGG                 | 75                      | 5                      |
| 2477-20293        | 00000/0000                                     | 2-20025/0389     | 05/13/76       | 30              | 6653                         | 7549N         | 12805W       | 32.9         | 180.5                              | GGG                 | GGGG                 | 75                      | 6                      |
| 2477-20294        | 2-20027/0563                                   | 00000/0000       | 05/13/76       | 30              | 6653                         | 7547N         | 12812W       | 33.0         | 180.4                              | GGG                 |                      | 75                      | 6                      |
| 2477-20300        | 2-20025/1280                                   | 2-20025/0390     | 05/13/76       | 10              | 6653                         | 7429N         | 13135W       | 34.1         | 176.6                              | GGG                 | GFGG                 | 75                      | 7                      |
| 2477-20302        | 00000/0000                                     | 2-20025/0391     | 05/13/76       | 0               | 6653                         | 7317N         | 13437W       | 35.2         | 173.2                              | GGG                 | GGGG                 | 75                      | 8                      |
| 2477-20303        | 2-20027/0564                                   | 00000/0000       | 05/13/76       | 10              | 6653                         | 7314N         | 13442W       | 35.2         | 173.1                              | GGG                 |                      | 75                      | 8                      |
| 2477-20305        | 2-20025/1281                                   | 2-20025/0392     | 05/13/76       | 10              | 6653                         | 7202N         | 13715W       | 36.3         | 170.1                              | GGG                 | GFFF                 | 75                      | 9                      |
| 2477-20523        | 00000/0000                                     | 2-20025/0596     | 05/13/76       | 30              | 6653                         | 0124S         | 17154W       | 47.8         | 59.9                               | GGGG                |                      | 75                      | 61                     |
| 2477-22143        | 00000/0000                                     | 2-20025/0393     | 05/13/76       | 90              | 6654                         | 7046N         | 16525W       | 37.4         | 167.2                              | GGFF                |                      | 93                      | 10                     |
| 2478-01474        | 00000/0000                                     | 2-20025/0293     | 05/14/76       | 20              | 6656                         | 4851N         | 12451E       | 52.7         | 134.5                              | GGGG                |                      | 129                     | 26                     |
| 2478-01481        | 00000/0000                                     | 2-20025/0294     | 05/14/76       | 10              | 6656                         | 4726N         | 12414E       | 53.4         | 132.4                              | GGGG                |                      | 129                     | 27                     |
| 2478-01483        | 00000/0000                                     | 2-20025/0295     | 05/14/76       | 0               | 6656                         | 4601N         | 12339E       | 54.1         | 130.3                              | GGGG                |                      | 129                     | 28                     |
| 2478-01490        | 00000/0000                                     | 2-20025/0296     | 05/14/76       | 0               | 6656                         | 4436N         | 12306E       | 54.7         | 128.2                              | GGGG                |                      | 129                     | 29                     |
| 2478-01492        | 00000/0000                                     | 2-20025/0297     | 05/14/76       | 10              | 6656                         | 4311N         | 12233E       | 55.3         | 126.0                              | GGGG                |                      | 129                     | 30                     |
| 2478-01495        | 00000/0000                                     | 2-20025/0298     | 05/14/76       | 0               | 6656                         | 4146N         | 12202E       | 55.9         | 123.7                              | GGGG                |                      | 129                     | 31                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2478-01501        | 00000/0000                   | 2-20025/0299                | 05/14/76         | 0              | 6656            | 4020N                        | 12131E        | 56.4         | 121.4        | GFGG                               |                     |                      | 129                     | 32                     |
| 2478-01504        | 00000/0000                   | 2-20025/0300                | 05/14/76         | 0              | 6656            | 3854N                        | 12103E        | 56.9         | 119.1        | GFGG                               |                     |                      | 129                     | 33                     |
| 2478-01510        | 00000/0000                   | 2-20025/0301                | 05/14/76         | 0              | 6656            | 3759N                        | 12035E        | 57.3         | 116.7        | GGGG                               |                     |                      | 129                     | 34                     |
| 2478-01513        | 00000/0000                   | 2-20025/0302                | 05/14/76         | 0              | 6656            | 3603N                        | 12008E        | 57.6         | 114.2        | GFGG                               |                     |                      | 129                     | 35                     |
| 2478-01515        | 00000/0000                   | 2-20025/0303                | 05/14/76         | 10             | 6656            | 3437N                        | 11941E        | 57.9         | 111.8        | GFGG                               |                     |                      | 129                     | 36                     |
| 2478-01522        | 00000/0000                   | 2-20025/0304                | 05/14/76         | 10             | 6656            | 3311N                        | 11915E        | 58.2         | 109.3        | GGGG                               |                     |                      | 129                     | 37                     |
| 2478-01524        | 00000/0000                   | 2-20025/0305                | 05/14/76         | 30             | 6656            | 3145N                        | 11849E        | 58.4         | 106.8        | GGGG                               |                     |                      | 129                     | 38                     |
| 2478-01531        | 00000/0000                   | 2-20025/0306                | 05/14/76         | 50             | 6656            | 3019N                        | 11825E        | 58.5         | 104.2        | GGGG                               |                     |                      | 129                     | 39                     |
| 2478-01533        | 00000/0000                   | 2-20025/0307                | 05/14/76         | 90             | 6656            | 2853N                        | 11800E        | 58.6         | 101.7        | GGGG                               |                     |                      | 129                     | 40                     |
| 2478-03424        | 00000/0000                   | 2-20025/0308                | 05/14/76         | 40             | 6657            | 0841N                        | 08707E        | 53.5         | 70.3         | GGGG                               |                     |                      | 147                     | 54                     |
| 2478-05112        | 00000/0000                   | 2-20025/0312                | 05/14/76         | 10             | 6658            | 5839N                        | 07831E        | 46.7         | 148.0        | GGGG                               |                     |                      | 165                     | 19                     |
| 2478-05114        | 00000/0000                   | 2-20025/0313                | 05/14/76         | 40             | 6658            | 5716N                        | 07738E        | 47.7         | 146.1        | GGGG                               |                     |                      | 165                     | 20                     |
| 2478-05121        | 00000/0000                   | 2-20025/0314                | 05/14/76         | 30             | 6658            | 5553N                        | 07647E        | 48.6         | 144.2        | GGGG                               |                     |                      | 165                     | 21                     |
| 2478-05123        | 00000/0000                   | 2-20025/0315                | 05/14/76         | 10             | 6658            | 5429N                        | 07559E        | 49.5         | 142.3        | FGGG                               |                     |                      | 165                     | 22                     |
| 2478-05130        | 00000/0000                   | 2-20025/0316                | 05/14/76         | 10             | 6658            | 5305N                        | 07515E        | 50.3         | 140.4        | GGGG                               |                     |                      | 165                     | 23                     |
| 2478-05132        | 00000/0000                   | 2-20025/0317                | 05/14/76         | 20             | 6658            | 5140N                        | 07432E        | 51.1         | 138.4        | FGGG                               |                     |                      | 165                     | 24                     |
| 2478-05135        | 00000/0000                   | 2-20025/0318                | 05/14/76         | 80             | 6658            | 5016N                        | 07352E        | 51.9         | 136.4        | GGGG                               |                     |                      | 165                     | 25                     |
| 2478-05164        | 00000/0000                   | 2-20025/0319                | 05/14/76         | 40             | 6658            | 4019N                        | 06953E        | 56.4         | 121.3        | GGGG                               |                     |                      | 165                     | 32                     |
| 2478-06543        | 00000/0000                   | 2-20025/0692                | 05/14/76         | 20             | 6659            | 5839N                        | 05244E        | 46.7         | 148.0        | GGGG                               |                     |                      | 183                     | 19                     |
| 2478-06550        | 00000/0000                   | 2-20025/0445                | 05/14/76         | 20             | 6659            | 5716N                        | 05150E        | 47.7         | 146.1        | GGGG                               |                     |                      | 183                     | 20                     |
| 2478-06552        | 00000/0000                   | 2-20025/0446                | 05/14/76         | 40             | 6659            | 5552N                        | 05059E        | 48.6         | 144.2        | GGGG                               |                     |                      | 183                     | 21                     |
| 2478-06555        | 00000/0000                   | 2-20025/0447                | 05/14/76         | 20             | 6659            | 5427N                        | 05011E        | 49.5         | 142.3        | GGGG                               |                     |                      | 183                     | 22                     |
| 2478-06561        | 00000/0000                   | 2-20025/0448                | 05/14/76         | 30             | 6659            | 5303N                        | 04926E        | 50.3         | 140.4        | GGGF                               |                     |                      | 183                     | 23                     |
| 2478-06564        | 00000/0000                   | 2-20025/0449                | 05/14/76         | 30             | 6659            | 5139N                        | 04843E        | 51.2         | 138.4        | GGGG                               |                     |                      | 183                     | 24                     |
| 2478-06570        | 00000/0000                   | 2-20025/0450                | 05/14/76         | 40             | 6659            | 5014N                        | 04803E        | 51.9         | 136.4        | GGGG                               |                     |                      | 183                     | 25                     |
| 2478-06573        | 00000/0000                   | 2-20025/0451                | 05/14/76         | 40             | 6659            | 4850N                        | 04725E        | 52.7         | 134.4        | GGGG                               |                     |                      | 183                     | 26                     |
| 2478-06575        | 00000/0000                   | 2-20025/0452                | 05/14/76         | 30             | 6659            | 4725N                        | 04648E        | 53.4         | 132.3        | GGGG                               |                     |                      | 183                     | 27                     |
| 2478-06582        | 00000/0000                   | 2-20025/0453                | 05/14/76         | 10             | 6659            | 4600N                        | 04613E        | 54.1         | 130.2        | GGFG                               |                     |                      | 183                     | 28                     |
| 2478-06584        | 00000/0000                   | 2-20025/0454                | 05/14/76         | 10             | 6659            | 4435N                        | 04539E        | 54.8         | 128.1        | GGGF                               |                     |                      | 183                     | 29                     |
| 2478-06591        | 00000/0000                   | 2-20025/0455                | 05/14/76         | 40             | 6659            | 4309N                        | 04507E        | 55.4         | 125.9        | FGGG                               |                     |                      | 183                     | 30                     |
| 2478-06593        | 00000/0000                   | 2-20025/0456                | 05/14/76         | 70             | 6659            | 4144N                        | 04436E        | 55.9         | 123.6        | GGGG                               |                     |                      | 183                     | 31                     |
| 2478-07000        | 00000/0000                   | 2-20025/0457                | 05/14/76         | 80             | 6659            | 4019N                        | 04406E        | 56.4         | 121.3        | GGGG                               |                     |                      | 183                     | 32                     |
| 2478-08373        | 00000/0000                   | 2-20025/0458                | 05/14/76         | 40             | 6660            | 6002N                        | 02752E        | 45.8         | 149.8        | FGGG                               |                     |                      | 201                     | 18                     |
| 2478-08375        | 00000/0000                   | 2-20025/0355                | 05/14/76         | 40             | 6660            | 5839N                        | 02654E        | 46.8         | 147.9        | GGGG                               |                     |                      | 201                     | 19                     |
| 2478-08382        | 00000/0000                   | 2-20025/0356                | 05/14/76         | 20             | 6660            | 5716N                        | 02600E        | 47.7         | 146.1        | GGGG                               |                     |                      | 201                     | 20                     |
| 2478-08384        | 00000/0000                   | 2-20025/0357                | 05/14/76         | 10             | 6660            | 5553N                        | 02509E        | 48.6         | 144.2        | GGGG                               |                     |                      | 201                     | 21                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | QUAL<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2478-08391        | 00000/0000                                     | 2-20025/0358     | 05/14/76       | 70              | 6660                               | 5428N                               | 02421E       | 49.5         | 142.3                 |                   | GGGG                |                      | 201                     | 22                     |
| 2478-08393        | 00000/0000                                     | 2-20025/0359     | 05/14/76       | 90              | 6660                               | 5304N                               | 02334E       | 50.3         | 140.3                 |                   | GGGG                |                      | 201                     | 23                     |
| 2478-08400        | 00000/0000                                     | 2-20025/0360     | 05/14/76       | 90              | 6660                               | 5139N                               | 02254E       | 51.2         | 138.4                 |                   | FGGG                |                      | 201                     | 24                     |
| 2478-10152        | 2-20027/0593                                   | 00000/0000       | 05/14/76       | 100             | 6661                               | 7645N                               | 02933E       | 31.9         | 185.0                 | G                 |                     |                      | 219                     | 5                      |
| 2478-10154        | 00000/0000                                     | 2-20025/0373     | 05/14/76       | 100             | 6661                               | 7538N                               | 02526E       | 33.1         | 180.5                 |                   | GGGG                |                      | 219                     | 6                      |
| 2478-11565        | 00000/0000                                     | 2-20025/0374     | 05/14/76       | 60              | 6662                               | 8012N                               | 02746E       | 27.3         | 210.2                 |                   | GGGG                |                      | 236                     | 1                      |
| 2478-11572        | 00000/0000                                     | 2-20025/0375     | 05/14/76       | 10              | 6662                               | 7911N                               | 02022E       | 28.5         | 202.6                 |                   | GGGG                |                      | 236                     | 2                      |
| 2478-11574        | 00000/0000                                     | 2-20025/0376     | 05/14/76       | 40              | 6662                               | 7842N                               | 01355E       | 29.7         | 195.9                 |                   | GGGG                |                      | 236                     | 3                      |
| 2478-11581        | 00000/0000                                     | 2-20025/0377     | 05/14/76       | 50              | 6662                               | 7745N                               | 00822E       | 30.8         | 190.0                 |                   | GGGG                |                      | 237                     | 4                      |
| 2478-11583        | 00000/0000                                     | 2-20025/0378     | 05/14/76       | 80              | 6662                               | 7644N                               | 00337E       | 32.0         | 184.9                 |                   | GGGG                |                      | 237                     | 5                      |
| 2478-13395        | 2-20027/0588                                   | 00000/0000       | 05/14/76       | 20              | 6663                               | 8039N                               | 00918E       | 26.3         | 217.7                 | F G               |                     |                      | 237                     | 248                    |
| 2478-13401        | 2-20025/1262                                   | 2-20025/0379     | 05/14/76       | 10              | 6663                               | 8011N                               | 00159E       | 27.3         | 210.2                 | GGG               | GGGG                |                      | 3                       | 1                      |
| 2478-13403        | 00000/0000                                     | 2-20025/0380     | 05/14/76       | 50              | 6663                               | 7931N                               | 00525W       | 28.5         | 202.5                 |                   | GGGG                |                      | 3                       | 2                      |
| 2478-13404        | 2-20027/0589                                   | 00000/0000       | 05/14/76       | 30              | 6663                               | 7926N                               | 00611W       | 28.6         | 201.7                 |                   | GG                  |                      | 4                       | 2                      |
| 2478-13410        | 2-20025/1263                                   | 2-20025/0381     | 05/14/76       | 70              | 6663                               | 7842N                               | 01151W       | 29.7         | 195.8                 | GGG               | GGGG                |                      | 3                       | 3                      |
| 2478-13412        | 00000/0000                                     | 2-20025/0382     | 05/14/76       | 50              | 6663                               | 7745N                               | 01725W       | 30.8         | 190.0                 |                   | GGGG                |                      | 4                       | 4                      |
| 2478-13413        | 2-20027/0590                                   | 00000/0000       | 05/14/76       | 10              | 6663                               | 7739N                               | 01759W       | 31.0         | 189.4                 | G G               |                     |                      | 4                       | 4                      |
| 2478-13453        | 00000/0000                                     | 2-20025/0383     | 05/14/76       | 100             | 6663                               | 6529N                               | 04447W       | 41.9         | 157.7                 |                   | GGGG                |                      | 4                       | 14                     |
| 2478-15250        | 00000/0000                                     | 2-20025/0384     | 05/14/76       | 100             | 6664                               | 7644N                               | 04808W       | 32.0         | 184.9                 |                   | GF GG               |                      | 22                      | 5                      |
| 2478-15285        | 2-20027/0615                                   | 00000/0000       | 05/14/76       | 100             | 6664                               | 6523N                               | 07035W       | 42.0         | 157.6                 | GGG               |                     |                      | 22                      | 14                     |
| 2478-15292        | 2-20027/0616                                   | 00000/0000       | 05/14/76       | 90              | 6664                               | 6402N                               | 07156W       | 43.0         | 155.5                 | GGG               |                     |                      | 22                      | 15                     |
| 2478-15294        | 2-20027/0617                                   | 00000/0000       | 05/14/76       | 30              | 6664                               | 6240N                               | 07310W       | 44.0         | 153.5                 | GGG               |                     |                      | 22                      | 16                     |
| 2478-15333        | 00000/0000                                     | 2-20025/0597     | 05/14/76       | 100             | 6664                               | 5008N                               | 08106W       | 52.1         | 136.2                 |                   | GGGG                |                      | 22                      | 25                     |
| 2478-17141        | 2-20027/0635                                   | 00000/0000       | 05/14/76       | 70              | 6665                               | 5832N                               | 10217W       | 46.9         | 147.7                 |                   | GG                  |                      | 40                      | 19                     |
| 2478-17144        | 2-20027/0636                                   | 00000/0000       | 05/14/76       | 40              | 6665                               | 5708N                               | 10310W       | 47.9         | 145.8                 | GGG               |                     |                      | 40                      | 20                     |
| 2478-17150        | 2-20027/0637                                   | 00000/0000       | 05/14/76       | 70              | 6665                               | 5544N                               | 10400W       | 48.8         | 143.9                 | GGG               |                     |                      | 40                      | 21                     |
| 2478-17153        | 2-20025/1271                                   | 2-20025/0394     | 05/14/76       | 70              | 6665                               | 5427N                               | 10444W       | 49.6         | 142.2                 | GGG               | GGGG                |                      | 40                      | 22                     |
| 2478-17155        | 2-20025/1272                                   | 2-20025/0395     | 05/14/76       | 10              | 6665                               | 5302N                               | 10529W       | 50.4         | 140.2                 | GGG               | GGGG                |                      | 40                      | 23                     |
| 2478-17162        | 2-20025/1273                                   | 2-20025/0396     | 05/14/76       | 10              | 6665                               | 5128N                               | 10611W       | 51.3         | 138.3                 | GGG               | GGGG                |                      | 40                      | 24                     |
| 2478-17164        | 2-20025/1274                                   | 2-20025/0397     | 05/14/76       | 60              | 6665                               | 5013N                               | 10651W       | 52.1         | 136.3                 | GGG               | GGGG                |                      | 40                      | 25                     |
| 2478-17230        | 2-20025/1275                                   | 2-20025/0398     | 05/14/76       | 50              | 6665                               | 2851N                               | 11418W       | 58.6         | 101.4                 | GGG               | GGGG                |                      | 40                      | 40                     |
| 2478-17232        | 00000/0000                                     | 2-20025/0399     | 05/14/76       | 90              | 6665                               | 2725N                               | 11442W       | 58.6         | 98.8                  |                   | GGGG                |                      | 40                      | 41                     |
| 2478-17235        | 2-20025/1276                                   | 2-20025/0400     | 05/14/76       | 90              | 6665                               | 2558N                               | 11505W       | 58.6         | 96.3                  | GGG               | GGGG                |                      | 40                      | 42                     |
| 2478-17241        | 2-20025/1277                                   | 2-20025/0401     | 05/14/76       | 40              | 6665                               | 2432N                               | 11528W       | 58.4         | 93.8                  | GGG               | GGGG                |                      | 40                      | 43                     |
| 2478-18493        | 2-20027/0591                                   | 00000/0000       | 05/14/76       | 0               | 6666                               | 8043N                               | 06735W       | 26.3         | 218.3                 | GGF               |                     |                      | 45                      | 247                    |
| 2478-18500        | 2-20027/0592                                   | 00000/0000       | 05/14/76       | 10              | 6666                               | 8013N                               | 07553W       | 27.4         | 209.9                 | GGF               |                     |                      | 57                      | 1                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RAY | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>PRINCIPAL POINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RAY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SUN<br>ORBIT<br>PATH<br>NUMBER | FRAME<br>RAW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------------|--------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|--------------------------------|------------------------|
| 2478-20340        | 00000/0000                                     | 2-20025/0411     | 05/14/76       | 10                     | 6667                               | 7842N                          | 11519W       | 29.8         | 195.8                 | GG                  |                      | 76                             | 3                      |
| 2478-20343        | 00000/0000                                     | 2-20025/0402     | 05/14/76       | 10                     | 6667                               | 7746N                          | 12051W       | 30.9         | 189.9                 | GGGG                |                      | 76                             | 4                      |
| 2478-20345        | 00000/0000                                     | 2-20025/0403     | 05/14/76       | 10                     | 6667                               | 7643N                          | 12536W       | 32.1         | 184.9                 | GGGG                |                      | 76                             | 5                      |
| 2478-20352        | 00000/0000                                     | 2-20025/0404     | 05/14/76       | 10                     | 6667                               | 7547N                          | 12939W       | 33.2         | 180.4                 | GGGG                |                      | 76                             | 6                      |
| 2478-20354        | 00000/0000                                     | 2-20025/0405     | 05/14/76       | 20                     | 6667                               | 7448N                          | 13306W       | 34.3         | 176.6                 | GGGG                |                      | 76                             | 7                      |
| 2478-20361        | 00000/0000                                     | 2-20025/0406     | 05/14/76       | 10                     | 6667                               | 7316N                          | 13606W       | 35.5         | 173.1                 | GGGG                |                      | 76                             | 8                      |
| 2478-20363        | 00000/0000                                     | 2-20025/0407     | 05/14/76       | 40                     | 6667                               | 7202N                          | 13845W       | 36.6         | 170.0                 | GGGG                |                      | 94                             | 10                     |
| 2478-22201        | 00000/0000                                     | 2-20025/0408     | 05/14/76       | 60                     | 6668                               | 7048N                          | 16651W       | 37.7         | 167.2                 | GGGG                |                      | 94                             | 11                     |
| 2478-22204        | 00000/0000                                     | 2-20025/0409     | 05/14/76       | 80                     | 6668                               | 6930N                          | 16854W       | 38.7         | 164.6                 | GGGG                |                      | 94                             | 12                     |
| 2478-22210        | 00000/0000                                     | 2-20025/0410     | 05/14/76       | 80                     | 6668                               | 6811N                          | 17044W       | 39.8         | 162.2                 | GGGG                |                      | 112                            | 70                     |
| 2479-00283        | 00000/0000                                     | 2-20025/0361     | 05/15/76       | 0                      | 6669                               | 1423S                          | 13158E       | 38.5         | 50.9                  | GGGG                |                      | 130                            | 25                     |
| 2479-01530        | 00000/0000                                     | 2-20025/0362     | 05/15/76       | 50                     | 6670                               | 5014N                          | 12403E       | 52.1         | 136.3                 | GGGG                |                      | 130                            | 26                     |
| 2479-01532        | 00000/0000                                     | 2-20025/0363     | 05/15/76       | 80                     | 6670                               | 4849N                          | 12325E       | 52.9         | 134.2                 | GGGG                |                      | 130                            | 27                     |
| 2479-01535        | 00000/0000                                     | 2-20025/0364     | 05/15/76       | 90                     | 6670                               | 4724N                          | 12248E       | 53.6         | 132.1                 | GGGG                |                      | 130                            | 28                     |
| 2479-01541        | 00000/0000                                     | 2-20025/0365     | 05/15/76       | 90                     | 6670                               | 4559N                          | 12214E       | 54.3         | 130.0                 | GGGG                |                      | 130                            | 29                     |
| 2479-01544        | 00000/0000                                     | 2-20025/0366     | 05/15/76       | 90                     | 6670                               | 4434N                          | 12140E       | 54.9         | 127.9                 | GGGG                |                      | 130                            | 30                     |
| 2479-01550        | 00000/0000                                     | 2-20025/0367     | 05/15/76       | 90                     | 6670                               | 4309N                          | 12108E       | 55.5         | 125.6                 | GGGG                |                      | 130                            | 31                     |
| 2479-01553        | 00000/0000                                     | 2-20025/0368     | 05/15/76       | 90                     | 6670                               | 4144N                          | 12037E       | 56.1         | 123.4                 | GGGG                |                      | 130                            | 32                     |
| 2479-01555        | 00000/0000                                     | 2-20025/0369     | 05/15/76       | 90                     | 6670                               | 4018N                          | 12007E       | 56.6         | 121.1                 | GGGG                |                      | 130                            | 33                     |
| 2479-01562        | 00000/0000                                     | 2-20025/0370     | 05/15/76       | 40                     | 6670                               | 3853N                          | 11937E       | 57.0         | 118.7                 | GGGG                |                      | 130                            | 34                     |
| 2479-01564        | 00000/0000                                     | 2-20025/0371     | 05/15/76       | 10                     | 6670                               | 3727N                          | 11909E       | 57.4         | 116.3                 | GGGG                |                      | 130                            | 35                     |
| 2479-01571        | 00000/0000                                     | 2-20025/0372     | 05/15/76       | 10                     | 6670                               | 3602N                          | 11841E       | 57.8         | 113.9                 | GGGG                |                      | 130                            | 36                     |
| 2479-01582        | 00000/0000                                     | 2-20025/0465     | 05/15/76       | 60                     | 6670                               | 3144N                          | 11723E       | 58.5         | 106.3                 | GG                  |                      | 130                            | 37                     |
| 2479-01585        | 00000/0000                                     | 2-20025/0432     | 05/15/76       | 100                    | 6670                               | 3018N                          | 11658E       | 58.6         | 103.8                 | GGGG                |                      | 130                            | 38                     |
| 2479-02091        | 00000/0000                                     | 2-20025/0433     | 05/15/76       | 10                     | 6670                               | 0545S                          | 10810E       | 44.8         | 56.1                  | GGGF                |                      | 130                            | 39                     |
| 2479-02094        | 00000/0000                                     | 2-20025/0434     | 05/15/76       | 10                     | 6670                               | 0711S                          | 10750E       | 43.8         | 55.1                  | GGGG                |                      | 148                            | 45                     |
| 2479-03444        | 00000/0000                                     | 2-20025/0435     | 05/15/76       | 30                     | 6671                               | 2139N                          | 08850E       | 58.0         | 88.8                  | GGGG                |                      | 148                            | 46                     |
| 2479-03450        | 00000/0000                                     | 2-20025/0436     | 05/15/76       | 40                     | 6671                               | 2013N                          | 08828E       | 57.7         | 86.4                  | GGGF                |                      | 148                            | 47                     |
| 2479-03453        | 00000/0000                                     | 2-20025/0437     | 05/15/76       | 60                     | 6671                               | 1846N                          | 08807E       | 57.4         | 84.1                  | GGGG                |                      | 148                            | 48                     |
| 2479-03455        | 00000/0000                                     | 2-20025/0438     | 05/15/76       | 90                     | 6671                               | 1720N                          | 08746E       | 57.0         | 81.8                  | GGGG                |                      | 148                            | 49                     |
| 2479-03462        | 00000/0000                                     | 2-20025/0439     | 05/15/76       | 70                     | 6671                               | 1553N                          | 08725E       | 56.5         | 79.7                  | GGGG                |                      | 148                            | 50                     |
| 2479-03464        | 00000/0000                                     | 2-20025/0440     | 05/15/76       | 60                     | 6671                               | 1427N                          | 08704E       | 56.0         | 77.6                  | GGGG                |                      | 148                            | 51                     |
| 2479-03482        | 00000/0000                                     | 2-20025/0441     | 05/15/76       | 30                     | 6671                               | 0840N                          | 08541E       | 53.4         | 69.9                  | GGGG                |                      | 148                            | 52                     |
| 2479-03485        | 00000/0000                                     | 2-20025/0442     | 05/15/76       | 30                     | 6671                               | 0714N                          | 08521E       | 52.7         | 68.2                  | GGGG                |                      | 148                            | 53                     |
| 2479-03491        | 00000/0000                                     | 2-20025/0443     | 05/15/76       | 30                     | 6671                               | 0547N                          | 08501E       | 51.9         | 66.5                  | GGGG                |                      | 148                            | 54                     |
| 2479-03494        | 00000/0000                                     | 2-20025/0444     | 05/15/76       | 30                     | 6671                               | 0421N                          | 08441E       | 51.1         | 65.0                  | GGGG                |                      | 148                            | 55                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0234

| OBSERVATION ID | WGS84 FILE POSITION IN PRINT | DATE ACQUIRED | CLOUD COVER | PRINCIPAL PRINT OF IMAGE | SUN FLEV. | SUN AZIM. | IMAGE-QUAL | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME ROW NUMBER |    |
|----------------|------------------------------|---------------|-------------|--------------------------|-----------|-----------|------------|---------------|----------------|-------------------|------------------|----|
| 2479-05175     | 00000/0000                   | 2-20025/0459  | 05/15/76    | 10                       | 6672      | 5552N     | 07522E     | 48.8          | 144.0          | GGGG              | 166              | 21 |
| 2479-05182     | 00000/0000                   | 2-20025/0460  | 05/15/76    | 20                       | 6672      | 5427N     | 07434E     | 49.7          | 142.1          | GGGG              | 166              | 22 |
| 2479-05184     | 00000/0000                   | 2-20025/0461  | 05/15/76    | 30                       | 6672      | 5303N     | 07349E     | 50.5          | 140.2          | GGGG              | 166              | 23 |
| 2479-05191     | 00000/0000                   | 2-20025/0462  | 05/15/76    | 30                       | 6672      | 5139N     | 07307E     | 51.4          | 138.2          | GGGG              | 166              | 24 |
| 2479-05193     | 00000/0000                   | 2-20025/0463  | 05/15/76    | 20                       | 6672      | 5014N     | 07226E     | 52.1          | 136.2          | GGGG              | 166              | 25 |
| 2479-05223     | 00000/0000                   | 2-20025/0464  | 05/15/76    | 20                       | 6672      | 4017N     | 06428E     | 56.5          | 121.0          | GGGG              | 166              | 32 |
| 2479-07013     | 00000/0000                   | 2-20025/0497  | 05/15/76    | 80                       | 6673      | 5407N     | 04443E     | 49.7          | 142.1          | GGGG              | 184              | 22 |
| 2479-07020     | 00000/0000                   | 2-20025/0498  | 05/15/76    | 30                       | 6673      | 5303N     | 04758E     | 50.6          | 140.2          | GGGG              | 184              | 23 |
| 2479-07022     | 00000/0000                   | 2-20025/0499  | 05/15/76    | 10                       | 6673      | 5138N     | 04716E     | 51.4          | 138.2          | GGGG              | 184              | 24 |
| 2479-07025     | 00000/0000                   | 2-20025/0500  | 05/15/76    | 10                       | 6673      | 5014N     | 04635E     | 52.2          | 136.2          | GGGG              | 184              | 25 |
| 2479-07031     | 00000/0000                   | 2-20025/0501  | 05/15/76    | 20                       | 6673      | 4849N     | 04558E     | 52.9          | 134.2          | GGGG              | 184              | 26 |
| 2479-07034     | 00000/0000                   | 2-20025/0502  | 05/15/76    | 20                       | 6673      | 4724N     | 04521E     | 53.6          | 132.1          | GGGG              | 184              | 27 |
| 2479-07040     | 00000/0000                   | 2-20025/0503  | 05/15/76    | 50                       | 6673      | 4559N     | 04447E     | 54.3          | 130.0          | GGGG              | 184              | 28 |
| 2479-07043     | 00000/0000                   | 2-20025/0504  | 05/15/76    | 90                       | 6673      | 4434N     | 04413E     | 55.0          | 127.8          | GGGG              | 184              | 29 |
| 2479-07045     | 00000/0000                   | 2-20025/0505  | 05/15/76    | 80                       | 6673      | 4309N     | 04341E     | 55.6          | 125.6          | GGGG              | 184              | 30 |
| 2479-08433     | 00000/0000                   | 2-20025/0467  | 05/15/76    | 10                       | 6674      | 5837N     | 02525E     | 47.0          | 147.8          | GGGG              | 202              | 19 |
| 2479-08440     | 00000/0000                   | 2-20025/0469  | 05/15/76    | 10                       | 6674      | 5714N     | 02431E     | 47.9          | 145.9          | GGGG              | 202              | 20 |
| 2479-08442     | 00000/0000                   | 2-20025/0470  | 05/15/76    | 50                       | 6674      | 5550N     | 02340E     | 48.8          | 144.0          | GGGG              | 202              | 21 |
| 2479-08445     | 00000/0000                   | 2-20025/0471  | 05/15/76    | 100                      | 6674      | 5426N     | 02252E     | 49.7          | 142.1          | GGGG              | 202              | 22 |
| 2479-08572     | 00000/0000                   | 2-20025/0538  | 05/15/76    | 40                       | 6674      | 1122N     | 00453E     | 54.8          | 73.5           | GGGG              | 202              | 52 |
| 2479-08574     | 00000/0000                   | 2-20025/0539  | 05/15/76    | 40                       | 6674      | 1006N     | 00433E     | 54.1          | 71.6           | GGGG              | 202              | 53 |
| 2479-08581     | 00000/0000                   | 2-20025/0540  | 05/15/76    | 60                       | 6674      | 0840N     | 00413E     | 53.4          | 69.8           | GGGG              | 202              | 54 |
| 2479-08583     | 00000/0000                   | 2-20025/0541  | 05/15/76    | 80                       | 6674      | 0713N     | 00753E     | 52.7          | 68.1           | GGGG              | 202              | 55 |
| 2479-08590     | 00000/0000                   | 2-20025/0542  | 05/15/76    | 80                       | 6674      | 0547N     | 00733E     | 51.9          | 66.5           | GGGG              | 202              | 56 |
| 2479-08592     | 00000/0000                   | 2-20025/0543  | 05/15/76    | 50                       | 6674      | 0420N     | 00713E     | 51.1          | 64.9           | GGGG              | 202              | 57 |
| 2479-10203     | 00000/0000                   | 2-20025/0544  | 05/15/76    | 80                       | 6675      | 7746N     | 03241E     | 31.0          | 190.0          | GGGG              | 220              | 4  |
| 2479-10210     | 00000/0000                   | 2-20025/0545  | 05/15/76    | 40                       | 6675      | 7643N     | 02756E     | 32.2          | 184.9          | GGGG              | 220              | 5  |
| 2479-10212     | 00000/0000                   | 2-20025/0546  | 05/15/76    | 90                       | 6675      | 7537N     | 02362E     | 33.3          | 180.5          | GGGG              | 220              | 6  |
| 2479-12024     | 00000/0000                   | 2-20025/0547  | 05/15/76    | 90                       | 6676      | 8011N     | 02613E     | 27.6          | 210.1          | GGGG              | 237              | 1  |
| 2479-12030     | 00000/0000                   | 2-20025/0548  | 05/15/76    | 80                       | 6676      | 7930N     | 01851E     | 28.7          | 202.4          | GGGG              | 237              | 2  |
| 2479-12033     | 00000/0000                   | 2-20025/0549  | 05/15/76    | 70                       | 6676      | 7841N     | 01224E     | 29.9          | 195.8          | GGGG              | 237              | 3  |
| 2479-12035     | 00000/0000                   | 2-20025/0550  | 05/15/76    | 90                       | 6676      | 7744N     | 00451E     | 31.1          | 189.9          | GGGG              | 238              | 4  |
| 2479-12042     | 00000/0000                   | 2-20025/0551  | 05/15/76    | 70                       | 6676      | 7643N     | 00208E     | 32.2          | 184.9          | GGGG              | 238              | 5  |
| 2479-13462     | 00000/0000                   | 2-20025/0598  | 05/15/76    | 20                       | 6677      | 7933N     | 00649W     | 28.7          | 202.7          | GGGG              | 4                | 2  |
| 2479-13464     | 00000/0000                   | 2-20025/0599  | 05/15/76    | 60                       | 6677      | 7844N     | 01317W     | 29.9          | 196.0          | GGGG              | 4                | 3  |
| 2479-13471     | 00000/0000                   | 2-20025/0600  | 05/15/76    | 40                       | 6677      | 7748N     | 01450W     | 31.0          | 190.1          | GGGG              | 5                | 4  |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 26, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|---------------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                                                |              |                  |                |                     |                                    |                                     |              |              | 123 45678             |                     |                      |                         |                        |
| 2479-13505        | 00000/0000                                     | 2-20025/0601 | 05/15/76         | 100            | 6677                | 6652N                              | 04447W                              | 41.0         | 159.9        | GGGG                  |                     |                      | 5                       | 13                     |
| 2479-13512        | 00000/0000                                     | 2-20025/0602 | 05/15/76         | 100            | 6677                | 6531N                              | 04417W                              | 42.1         | 157.7        | GGGG                  |                     |                      | 5                       | 14                     |
| 2479-13541        | 00000/0000                                     | 2-20025/0412 | 05/15/76         | 90             | 6677                | 5552N                              | 05343W                              | 48.9         | 144.0        | GGGG                  |                     |                      | 5                       | 21                     |
| 2479-13544        | 00000/0000                                     | 2-20025/0413 | 05/15/76         | 90             | 6677                | 5429N                              | 05431W                              | 49.7         | 142.1        | GGGG                  |                     |                      | 5                       | 22                     |
| 2479-13550        | 00000/0000                                     | 2-20025/0414 | 05/15/76         | 90             | 6677                | 5304N                              | 05516W                              | 50.6         | 140.1        | FGGG                  |                     |                      | 5                       | 23                     |
| 2479-13553        | 00000/0000                                     | 2-20025/0415 | 05/15/76         | 90             | 6677                | 5140N                              | 05559W                              | 51.4         | 138.2        | FGGG                  |                     |                      | 5                       | 24                     |
| 2479-13555        | 00000/0000                                     | 2-20025/0416 | 05/15/76         | 100            | 6677                | 5016N                              | 05639W                              | 52.2         | 136.2        | GGGG                  |                     |                      | 5                       | 25                     |
| 2479-13562        | 00000/0000                                     | 2-20025/0417 | 05/15/76         | 90             | 6677                | 4851N                              | 05717W                              | 53.0         | 134.1        | GGGG                  |                     |                      | 5                       | 26                     |
| 2479-13564        | 00000/0000                                     | 2-20025/0418 | 05/15/76         | 100            | 6677                | 4726N                              | 05754W                              | 53.7         | 132.1        | GGGG                  |                     |                      | 5                       | 27                     |
| 2479-13571        | 00000/0000                                     | 2-20025/0419 | 05/15/76         | 100            | 6677                | 4601N                              | 05828W                              | 54.4         | 129.9        | GGGG                  |                     |                      | 5                       | 28                     |
| 2479-13573        | 00000/0000                                     | 2-20025/0420 | 05/15/76         | 100            | 6677                | 4435N                              | 05902W                              | 55.0         | 127.8        | GGGG                  |                     |                      | 5                       | 29                     |
| 2479-13580        | 00000/0000                                     | 2-20025/0421 | 05/15/76         | 100            | 6677                | 4310N                              | 05934W                              | 55.6         | 125.5        | GGGG                  |                     |                      | 5                       | 30                     |
| 2479-13582        | 00000/0000                                     | 2-20025/0422 | 05/15/76         | 100            | 6677                | 4145N                              | 06006W                              | 56.1         | 123.3        | GGGG                  |                     |                      | 5                       | 31                     |
| 2479-13585        | 00000/0000                                     | 2-20025/0423 | 05/15/76         | 90             | 6677                | 4018N                              | 06037W                              | 56.7         | 120.9        | GGGG                  |                     |                      | 5                       | 32                     |
| 2479-13591        | 00000/0000                                     | 2-20025/0424 | 05/15/76         | 90             | 6677                | 3852N                              | 06106W                              | 57.1         | 118.6        | GGGG                  |                     |                      | 5                       | 33                     |
| 2479-13594        | 00000/0000                                     | 2-20025/0425 | 05/15/76         | 30             | 6677                | 3727N                              | 06134W                              | 57.5         | 116.2        | GGGG                  |                     |                      | 5                       | 34                     |
| 2479-14000        | 00000/0000                                     | 2-20025/0426 | 05/15/76         | 50             | 6677                | 3601N                              | 06201W                              | 57.8         | 113.7        | FGGG                  |                     |                      | 5                       | 35                     |
| 2479-14003        | 00000/0000                                     | 2-20025/0427 | 05/15/76         | 30             | 6677                | 3435N                              | 06227W                              | 58.1         | 111.2        | GGGG                  |                     |                      | 5                       | 36                     |
| 2479-14005        | 00000/0000                                     | 2-20025/0428 | 05/15/76         | 20             | 6677                | 3309N                              | 06253W                              | 58.4         | 108.7        | GGGG                  |                     |                      | 5                       | 37                     |
| 2479-14012        | 00000/0000                                     | 2-20025/0429 | 05/15/76         | 30             | 6677                | 3144N                              | 06319W                              | 58.5         | 106.2        | GGGG                  |                     |                      | 5                       | 38                     |
| 2479-14014        | 00000/0000                                     | 2-20025/0430 | 05/15/76         | 20             | 6677                | 3018N                              | 06344W                              | 58.7         | 103.6        | GGGG                  |                     |                      | 5                       | 39                     |
| 2479-14021        | 00000/0000                                     | 2-20025/0431 | 05/15/76         | 20             | 6677                | 2852N                              | 06409W                              | 58.7         | 101.1        | GGGG                  |                     |                      | 5                       | 40                     |
| 2479-14130        | 00000/0000                                     | 2-20025/0603 | 05/15/76         | 60             | 6677                | 0836S                              | 07311W                              | 42.7         | 54.0         | GGGG                  |                     |                      | 5                       | 66                     |
| 2479-14132        | 00000/0000                                     | 2-20025/0604 | 05/15/76         | 40             | 6677                | 1003S                              | 07331W                              | 41.6         | 53.2         | GGGG                  |                     |                      | 5                       | 67                     |
| 2479-14135        | 00000/0000                                     | 2-20025/0605 | 05/15/76         | 70             | 6677                | 1128S                              | 07352W                              | 40.6         | 52.3         | GGGG                  |                     |                      | 5                       | 68                     |
| 2479-14141        | 00000/0000                                     | 2-20025/0606 | 05/15/76         | 40             | 6677                | 1254S                              | 07412W                              | 39.5         | 51.5         | GGGG                  |                     |                      | 5                       | 69                     |
| 2479-15293        | 00000/0000                                     | 2-20025/0607 | 05/15/76         | 0              | 6678                | 7933N                              | 03236W                              | 28.7         | 202.7        | GGGG                  |                     |                      | 22                      | 2                      |
| 2479-15300        | 00000/0000                                     | 2-20025/0608 | 05/15/76         | 10             | 6678                | 7844N                              | 03901W                              | 29.9         | 196.0        | GGGG                  |                     |                      | 22                      | 3                      |
| 2479-17163        | 00000/0000                                     | 2-20025/0628 | 05/15/76         | 10             | 6679                | 6931N                              | 09254W                              | 38.9         | 164.6        | GGGG                  |                     |                      | 41                      | 11                     |
| 2479-17170        | 00000/0000                                     | 2-20025/0629 | 05/15/76         | 30             | 6679                | 6812N                              | 09444W                              | 40.0         | 162.2        | GGGG                  |                     |                      | 41                      | 12                     |
| 2479-17172        | 00000/0000                                     | 2-20025/0630 | 05/15/76         | 50             | 6679                | 6652N                              | 09624W                              | 41.1         | 159.9        | FGGG                  |                     |                      | 41                      | 13                     |
| 2479-17175        | 00000/0000                                     | 2-20025/0631 | 05/15/76         | 90             | 6679                | 6532N                              | 09753W                              | 42.1         | 157.7        | GGGG                  |                     |                      | 41                      | 14                     |
| 2479-17181        | 00000/0000                                     | 2-20025/0632 | 05/15/76         | 90             | 6679                | 6410N                              | 09914W                              | 43.1         | 155.6        | GGGG                  |                     |                      | 41                      | 15                     |
| 2479-17184        | 00000/0000                                     | 2-20025/0633 | 05/15/76         | 90             | 6679                | 6248N                              | 10028W                              | 44.1         | 153.6        | GGGG                  |                     |                      | 41                      | 16                     |
| 2479-17190        | 00000/0000                                     | 2-20025/0634 | 05/15/76         | 90             | 6679                | 6125N                              | 10136W                              | 45.1         | 151.7        | FGGG                  |                     |                      | 41                      | 17                     |
| 2479-17193        | 00000/0000                                     | 2-20025/0635 | 05/15/76         | 90             | 6679                | 6003N                              | 10239W                              | 46.1         | 149.7        | GGGG                  |                     |                      | 41                      | 18                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK, NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>MSS<br>DATA<br>MODE | MSS<br>MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|----------------------------|-----------------------------|-------------------------|------------------------|
| 2479-17202        | 00000/0000 2-20025/0670                        | 05/15/76         | 90                    | 6679                               | 5716N                               | 10432W       | 48.0         | 145.9             | GGGG                       |                             | 41                      | 20                     |
| 2479-17204        | 00000/0000 2-20025/0671                        | 05/15/76         | 40                    | 6679                               | 5553N                               | 10522W       | 48.9         | 144.0             | GGGG                       |                             | 41                      | 21                     |
| 2479-17211        | 00000/0000 2-20025/0672                        | 05/15/76         | 40                    | 6679                               | 5429N                               | 10610W       | 49.8         | 142.1             | GGGG                       |                             | 41                      | 22                     |
| 2479-17213        | 00000/0000 2-20025/0673                        | 05/15/76         | 40                    | 6679                               | 5304N                               | 10455W       | 50.6         | 140.1             | GGGG                       |                             | 41                      | 23                     |
| 2479-17220        | 00000/0000 2-20025/0674                        | 05/15/76         | 20                    | 6679                               | 5140N                               | 10737W       | 51.4         | 138.2             | GGGG                       |                             | 41                      | 24                     |
| 2479-17222        | 00000/0000 2-20025/0675                        | 05/15/76         | 50                    | 6679                               | 5015N                               | 10818W       | 52.2         | 136.2             | GGGG                       |                             | 41                      | 25                     |
| 2479-17281        | 00000/0000 2-20025/0676                        | 05/15/76         | 30                    | 6679                               | 3017N                               | 11523W       | 58.7         | 103.6             | GGGG                       |                             | 41                      | 39                     |
| 2479-20392        | 00000/0000 2-20025/0636                        | 05/15/76         | 90                    | 6681                               | 7932N                               | 11004W       | 28.8         | 202.6             | GGGG                       |                             | 76                      | 2                      |
| 2479-20394        | 00000/0000 2-20025/0637                        | 05/15/76         | 30                    | 6681                               | 7843N                               | 11631W       | 30.0         | 195.9             | GGFF                       |                             | 76                      | 3                      |
| 2479-20401        | 00000/0000 2-20025/0638                        | 05/15/76         | 60                    | 6681                               | 7747N                               | 12204W       | 31.1         | 190.1             | GGGG                       |                             | 77                      | 4                      |
| 2479-20403        | 00000/0000 2-20025/0639                        | 05/15/76         | 20                    | 6681                               | 7645N                               | 12450W       | 32.3         | 185.0             | GGGG                       |                             | 77                      | 5                      |
| 2479-20410        | 00000/0000 2-20025/0640                        | 05/15/76         | 80                    | 6681                               | 7539N                               | 13056W       | 33.4         | 180.5             | GGGG                       |                             | 77                      | 6                      |
| 2479-20412        | 00000/0000 2-20025/0641                        | 05/15/76         | 50                    | 6681                               | 7439N                               | 13426W       | 34.5         | 176.6             | GGGG                       |                             | 77                      | 7                      |
| 2479-20415        | 00000/0000 2-20025/0642                        | 05/15/76         | 20                    | 6681                               | 7318N                               | 13728W       | 35.7         | 173.1             | GGGG                       |                             | 77                      | 8                      |
| 2479-20421        | 00000/0000 2-20025/0643                        | 05/15/76         | 10                    | 6681                               | 7203N                               | 14008W       | 36.8         | 170.0             | GGGG                       |                             | 77                      | 9                      |
| 2479-22262        | 00000/0000 2-20025/0667                        | 05/15/76         | 90                    | 6682                               | 6929N                               | 17022W       | 39.0         | 164.6             | GGFG                       |                             | 95                      | 11                     |
| 2480-00335        | 00000/0000 2-20025/0552                        | 05/16/76         | 0                     | 6683                               | 1257S                               | 13052E       | 39.4         | 51.4              | GGGG                       |                             | 113                     | 69                     |
| 2480-00341        | 00000/0000 2-20025/0553                        | 05/16/76         | 0                     | 6683                               | 1423S                               | 13031E       | 38.3         | 50.7              | GGGG                       |                             | 113                     | 70                     |
| 2480-01584        | 00000/0000 2-20025/0554                        | 05/16/76         | 10                    | 6684                               | 5013N                               | 12235E       | 52.3         | 136.0             | GGGG                       |                             | 131                     | 25                     |
| 2480-01591        | 00000/0000 2-20025/0555                        | 05/16/76         | 10                    | 6684                               | 4848N                               | 12156E       | 53.1         | 134.0             | GGGG                       |                             | 131                     | 26                     |
| 2480-01593        | 00000/0000 2-20025/0556                        | 05/16/76         | 10                    | 6684                               | 4723N                               | 12120E       | 53.8         | 131.9             | GGGG                       |                             | 131                     | 27                     |
| 2480-02000        | 00000/0000 2-20025/0557                        | 05/16/76         | 0                     | 6684                               | 4557N                               | 12045E       | 54.5         | 129.8             | GGGG                       |                             | 131                     | 28                     |
| 2480-02002        | 00000/0000 2-20025/0558                        | 05/16/76         | 0                     | 6684                               | 4433N                               | 12012E       | 55.1         | 127.6             | GGGG                       |                             | 131                     | 29                     |
| 2480-02003        | 00000/0000 2-20025/0559                        | 05/16/76         | 0                     | 6684                               | 4307N                               | 11939E       | 55.7         | 125.3             | GGGG                       |                             | 131                     | 30                     |
| 2480-02011        | 00000/0000 2-20025/0560                        | 05/16/76         | 0                     | 6684                               | 4142N                               | 11908E       | 56.2         | 123.1             | GGGG                       |                             | 131                     | 31                     |
| 2480-02014        | 00000/0000 2-20025/0561                        | 05/16/76         | 0                     | 6684                               | 4017N                               | 11838E       | 56.7         | 120.7             | GGGG                       |                             | 131                     | 32                     |
| 2480-02020        | 00000/0000 2-20025/0562                        | 05/16/76         | 0                     | 6684                               | 3851N                               | 11808E       | 57.2         | 118.3             | GGGG                       |                             | 131                     | 33                     |
| 2480-02023        | 00000/0000 2-20025/0563                        | 05/16/76         | 0                     | 6684                               | 3726N                               | 11740E       | 57.6         | 115.9             | GGGG                       |                             | 131                     | 34                     |
| 2480-02025        | 00000/0000 2-20025/0569                        | 05/16/76         | 0                     | 6684                               | 3600N                               | 11712E       | 57.9         | 113.5             | GGGG                       |                             | 131                     | 35                     |
| 2480-02032        | 00000/0000 2-20025/0510                        | 05/16/76         | 0                     | 6684                               | 3435N                               | 11646E       | 58.2         | 111.0             | GGGG                       |                             | 131                     | 36                     |
| 2480-02034        | 00000/0000 2-20025/0511                        | 05/16/76         | 0                     | 6684                               | 3309N                               | 11620E       | 58.4         | 108.4             | GGGG                       |                             | 131                     | 37                     |
| 2480-02041        | 00000/0000 2-20025/0512                        | 05/16/76         | 0                     | 6684                               | 3143N                               | 11555E       | 58.6         | 105.9             | GGGG                       |                             | 131                     | 38                     |
| 2480-02043        | 00000/0000 2-20025/0513                        | 05/16/76         | 40                    | 6684                               | 3016N                               | 11530E       | 58.7         | 103.4             | GGGG                       |                             | 131                     | 39                     |
| 2480-02150        | 00000/0000 2-20025/0514                        | 05/16/76         | 50                    | 6684                               | 0546S                               | 10643E       | 44.6         | 55.8              | GGG                        |                             | 131                     | 64                     |
| 2480-02152        | 00000/0000 2-20025/0515                        | 05/16/76         | 20                    | 6684                               | 0712S                               | 10623E       | 43.6         | 54.8              | GGG                        |                             | 131                     | 65                     |
| 2480-03404        | 00000/0000 2-20025/0516                        | 05/16/76         | 80                    | 6685                               | 5426N                               | 09855E       | 49.9         | 141.9             | GGGG                       |                             | 149                     | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS | MSS<br>DATA | MSS<br>IMAGE | ORBIT<br>PATH | FRAME<br>ROW |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|------------|-------------|--------------|---------------|--------------|
|                   |                                                |                  |                |                 |                                    |                                     |              |              | 123               | 45678      | MODE        | GAIN         | NUMBER        | NUMBER       |
| 2480-03525        | 00000/0000                                     | 2-20025/0617     | 05/16/76       | 70              | 6685                               | 1259N                               | 08516E       | 55.4         | 75.1              | GGGG       |             |              | 149           | 51           |
| 2480-03531        | 00000/0000                                     | 2-20025/0618     | 05/16/76       | 60              | 6685                               | 1133N                               | 08456E       | 54.7         | 73.1              | GGGG       |             |              | 149           | 52           |
| 2480-03534        | 00000/0000                                     | 2-20025/0619     | 05/16/76       | 60              | 6685                               | 1006N                               | 08435E       | 54.1         | 71.3              | FFFF       |             |              | 149           | 53           |
| 2480-03540        | 00000/0000                                     | 2-20025/0620     | 05/16/76       | 60              | 6685                               | 0840N                               | 08415E       | 53.4         | 69.5              | GGGG       |             |              | 149           | 54           |
| 2480-03543        | 00000/0000                                     | 2-20025/0621     | 05/16/76       | 40              | 6685                               | 0713N                               | 08354E       | 52.6         | 67.8              | GGGF       |             |              | 149           | 55           |
| 2480-03545        | 00000/0000                                     | 2-20025/0622     | 05/16/76       | 30              | 6685                               | 0547N                               | 08334E       | 51.9         | 66.2              | GGGG       |             |              | 149           | 56           |
| 2480-03552        | 00000/0000                                     | 2-20025/0623     | 05/16/76       | 30              | 6685                               | 0420N                               | 08315E       | 51.1         | 64.6              | GGGG       |             |              | 149           | 57           |
| 2480-05224        | 00000/0000                                     | 2-20025/0472     | 05/16/76       | 90              | 6686                               | 5838N                               | 07541E       | 47.2         | 147.7             | GGGG       |             |              | 167           | 19           |
| 2480-05231        | 00000/0000                                     | 2-20025/0473     | 05/16/76       | 80              | 6686                               | 5715N                               | 07448E       | 48.1         | 145.8             | GGGG       |             |              | 167           | 20           |
| 2480-05233        | 00000/0000                                     | 2-20025/0474     | 05/16/76       | 20              | 6686                               | 5551N                               | 07356E       | 49.0         | 143.9             | FGGG       |             |              | 167           | 21           |
| 2480-05240        | 00000/0000                                     | 2-20025/0475     | 05/16/76       | 10              | 6686                               | 5426N                               | 07307E       | 49.9         | 141.9             | GGGG       |             |              | 167           | 22           |
| 2480-05242        | 00000/0000                                     | 2-20025/0476     | 05/16/76       | 0               | 6686                               | 5301N                               | 07221E       | 50.8         | 140.0             | GGGG       |             |              | 167           | 23           |
| 2480-05245        | 00000/0000                                     | 2-20025/0477     | 05/16/76       | 0               | 6686                               | 5137N                               | 07139E       | 51.6         | 138.0             | FGGG       |             |              | 167           | 24           |
| 2480-05251        | 00000/0000                                     | 2-20025/0478     | 05/16/76       | 0               | 6686                               | 5012N                               | 07058E       | 52.4         | 136.0             | GGGG       |             |              | 167           | 25           |
| 2480-05254        | 00000/0000                                     | 2-20025/0479     | 05/16/76       | 10              | 6686                               | 4848N                               | 07020E       | 53.1         | 133.9             | GGGG       |             |              | 167           | 26           |
| 2480-05313        | 00000/0000                                     | 2-20025/0480     | 05/16/76       | 0               | 6686                               | 2848N                               | 06328E       | 58.8         | 100.7             | GGGG       |             |              | 167           | 40           |
| 2480-05315        | 00000/0000                                     | 2-20025/0481     | 05/16/76       | 0               | 6686                               | 2723N                               | 06305E       | 58.7         | 98.2              | GGGG       |             |              | 167           | 41           |
| 2480-05322        | 00000/0000                                     | 2-20025/0482     | 05/16/76       | 0               | 6686                               | 2556N                               | 06242E       | 58.7         | 95.7              | GGGG       |             |              | 167           | 42           |
| 2480-07054        | 00000/0000                                     | 2-20025/0483     | 05/16/76       | 90              | 6687                               | 5959N                               | 05046E       | 46.3         | 149.6             | GGGG       |             |              | 185           | 18           |
| 2480-07060        | 00000/0000                                     | 2-20025/0484     | 05/16/76       | 50              | 6687                               | 5836N                               | 04949E       | 47.2         | 147.7             | GGGG       |             |              | 185           | 19           |
| 2480-07063        | 00000/0000                                     | 2-20025/0485     | 05/16/76       | 20              | 6687                               | 5713N                               | 04855E       | 48.1         | 145.8             | GGGG       |             |              | 185           | 20           |
| 2480-07065        | 00000/0000                                     | 2-20025/0486     | 05/16/76       | 20              | 6687                               | 5549N                               | 04804E       | 49.1         | 143.8             | FGGG       |             |              | 185           | 21           |
| 2480-07072        | 00000/0000                                     | 2-20025/0487     | 05/16/76       | 10              | 6687                               | 5426N                               | 04717E       | 49.9         | 141.9             | GGGG       |             |              | 185           | 22           |
| 2480-07074        | 00000/0000                                     | 2-20025/0488     | 05/16/76       | 30              | 6687                               | 5301N                               | 04632E       | 50.8         | 140.0             | GGGG       |             |              | 185           | 23           |
| 2480-07081        | 00000/0000                                     | 2-20025/0489     | 05/16/76       | 20              | 6687                               | 5137N                               | 04549E       | 51.6         | 138.0             | GGGG       |             |              | 185           | 24           |
| 2480-07083        | 00000/0000                                     | 2-20025/0490     | 05/16/76       | 10              | 6687                               | 5012N                               | 04508E       | 52.4         | 136.0             | GGGG       |             |              | 185           | 25           |
| 2480-07090        | 00000/0000                                     | 2-20025/0491     | 05/16/76       | 10              | 6687                               | 4848N                               | 04430E       | 53.1         | 133.9             | GGGG       |             |              | 185           | 26           |
| 2480-07092        | 00000/0000                                     | 2-20025/0492     | 05/16/76       | 10              | 6687                               | 4722N                               | 04353E       | 53.8         | 131.8             | GGGG       |             |              | 185           | 27           |
| 2480-07095        | 00000/0000                                     | 2-20025/0493     | 05/16/76       | 10              | 6687                               | 4557N                               | 04318E       | 54.5         | 129.7             | GGGG       |             |              | 185           | 28           |
| 2480-07101        | 00000/0000                                     | 2-20025/0494     | 05/16/76       | 70              | 6687                               | 4432N                               | 04244E       | 55.2         | 127.5             | GGGG       |             |              | 185           | 29           |
| 2480-07104        | 00000/0000                                     | 2-20025/0495     | 05/16/76       | 90              | 6687                               | 4307N                               | 04212E       | 55.7         | 125.3             | FGGG       |             |              | 185           | 30           |
| 2480-07110        | 00000/0000                                     | 2-20025/0496     | 05/16/76       | 90              | 6687                               | 4142N                               | 04142E       | 56.3         | 123.0             | GGGG       |             |              | 185           | 31           |
| 2480-08485        | 00000/0000                                     | 2-20025/0504     | 05/16/76       | 10              | 6688                               | 6070N                               | 02459E       | 46.3         | 149.6             | GGGG       |             |              | 203           | 18           |
| 2480-08492        | 00000/0000                                     | 2-20025/0505     | 05/16/76       | 10              | 6688                               | 5836N                               | 02401E       | 47.2         | 147.7             | GGGG       |             |              | 203           | 19           |
| 2480-08494        | 00000/0000                                     | 2-20025/0506     | 05/16/76       | 10              | 6688                               | 5713N                               | 02307E       | 48.2         | 145.7             | GGGG       |             |              | 203           | 20           |
| 2480-08501        | 00000/0000                                     | 2-20025/0507     | 05/16/76       | 20              | 6688                               | 5549N                               | 02215E       | 49.1         | 143.8             | GGGG       |             |              | 203           | 21           |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANHSAT-2  
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FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RB | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-----------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2480-08503        | 00000/0000                  | 2-20025/0508                | 05/16/76         | 80             | 6688            | 5425N                              | 02127E        | 45.3         | 141.9        | GGGG                               |                     |                      | 203                     | 22                     |
| 2480-09030        | 00000/0000                  | 2-20025/0509                | 05/16/76         | 50             | 6688            | 1131N                              | 00729E        | 54.7         | 73.0         | GGGG                               |                     |                      | 203                     | 52                     |
| 2480-09033        | 00000/0000                  | 2-20025/0510                | 05/16/76         | 60             | 6688            | 1005N                              | 00708E        | 54.1         | 71.2         | GGGG                               |                     |                      | 203                     | 53                     |
| 2480-10262        | 00000/0000                  | 2-20025/0511                | 05/16/76         | 10             | 6689            | 7747N                              | 03118E        | 31.2         | 190.1        | GGGG                               |                     |                      | 221                     | 4                      |
| 2480-10264        | 00000/0000                  | 2-20025/0512                | 05/16/76         | 10             | 6689            | 7645N                              | 02634E        | 32.4         | 185.0        | GGGG                               |                     |                      | 221                     | 5                      |
| 2480-13520        | 00000/0000                  | 2-20025/0527                | 05/16/76         | 40             | 6691            | 7931N                              | 00814W        | 29.0         | 202.6        | GGGG                               |                     |                      | 5                       | 2                      |
| 2480-13522        | 00000/0000                  | 2-20025/0528                | 05/16/76         | 60             | 6691            | 7842N                              | 01440W        | 30.1         | 195.9        | GGGG                               |                     |                      | 5                       | 3                      |
| 2480-13525        | 00000/0000                  | 2-20025/0529                | 05/16/76         | 40             | 6691            | 7746N                              | 02015W        | 31.3         | 190.0        | GGGG                               |                     |                      | 6                       | 4                      |
| 2480-13595        | 00000/0000                  | 2-20025/0648                | 05/16/76         | 80             | 6691            | 5551N                              | 05508W        | 49.1         | 143.8        | GGGG                               |                     |                      | 6                       | 21                     |
| 2480-14002        | 00000/0000                  | 2-20025/0649                | 05/16/76         | 70             | 6691            | 5427N                              | 05556W        | 50.0         | 141.9        | GGGG                               |                     |                      | 6                       | 22                     |
| 2480-14004        | 00000/0000                  | 2-20025/0650                | 05/16/76         | 40             | 6691            | 5303N                              | 05641W        | 50.8         | 140.0        | GGGG                               |                     |                      | 6                       | 23                     |
| 2480-14011        | 00000/0000                  | 2-20025/0651                | 05/16/76         | 40             | 6691            | 5139N                              | 05724W        | 51.6         | 138.0        | GGGG                               |                     |                      | 6                       | 24                     |
| 2480-14013        | 00000/0000                  | 2-20025/0652                | 05/16/76         | 50             | 6691            | 5014N                              | 05805W        | 52.4         | 136.0        | GGGG                               |                     |                      | 6                       | 25                     |
| 2480-14020        | 00000/0000                  | 2-20025/0653                | 05/16/76         | 50             | 6691            | 4849N                              | 05843W        | 53.2         | 133.9        | GGGG                               |                     |                      | 6                       | 26                     |
| 2480-14022        | 00000/0000                  | 2-20025/0654                | 05/16/76         | 20             | 6691            | 4725N                              | 05920W        | 53.9         | 131.8        | GGGG                               |                     |                      | 6                       | 27                     |
| 2480-14025        | 00000/0000                  | 2-20025/0655                | 05/16/76         | 10             | 6691            | 4600N                              | 05955W        | 54.6         | 129.7        | GGGG                               |                     |                      | 6                       | 28                     |
| 2480-14031        | 00000/0000                  | 2-20025/0656                | 05/16/76         | 30             | 6691            | 4435N                              | 06028W        | 55.2         | 127.5        | GGGG                               |                     |                      | 6                       | 29                     |
| 2480-14034        | 00000/0000                  | 2-20025/0657                | 05/16/76         | 50             | 6691            | 4309N                              | 06100W        | 55.8         | 125.2        | GGGG                               |                     |                      | 6                       | 30                     |
| 2480-14040        | 00000/0000                  | 2-20025/0658                | 05/16/76         | 40             | 6691            | 4144N                              | 06132W        | 56.3         | 122.9        | GGGG                               |                     |                      | 6                       | 31                     |
| 2480-14043        | 00000/0000                  | 2-20025/0659                | 05/16/76         | 10             | 6691            | 4019N                              | 06202W        | 56.8         | 120.6        | GGGG                               |                     |                      | 6                       | 32                     |
| 2480-14045        | 00000/0000                  | 2-20025/0660                | 05/16/76         | 20             | 6691            | 3853N                              | 06231W        | 57.3         | 118.2        | GGGG                               |                     |                      | 6                       | 33                     |
| 2480-14052        | 00000/0000                  | 2-20025/0661                | 05/16/76         | 40             | 6691            | 3727N                              | 06259W        | 57.7         | 115.8        | GGGG                               |                     |                      | 6                       | 34                     |
| 2480-14054        | 00000/0000                  | 2-20025/0662                | 05/16/76         | 60             | 6691            | 3601N                              | 06327W        | 58.0         | 113.3        | GGGG                               |                     |                      | 6                       | 35                     |
| 2480-14061        | 00000/0000                  | 2-20025/0663                | 05/16/76         | 70             | 6691            | 3435N                              | 06353W        | 58.3         | 110.8        | GGGG                               |                     |                      | 6                       | 36                     |
| 2480-14063        | 00000/0000                  | 2-20025/0664                | 05/16/76         | 20             | 6691            | 3309N                              | 06419W        | 58.5         | 108.3        | GGGG                               |                     |                      | 6                       | 37                     |
| 2480-14070        | 00000/0000                  | 2-20025/0665                | 05/16/76         | 10             | 6691            | 3143N                              | 06445W        | 58.6         | 105.7        | GGGG                               |                     |                      | 6                       | 38                     |
| 2480-14072        | 00000/0000                  | 2-20025/0666                | 05/16/76         | 10             | 6691            | 3016N                              | 06510W        | 58.8         | 103.2        | GGGG                               |                     |                      | 6                       | 39                     |
| 2480-14190        | 00000/0000                  | 2-20025/0530                | 05/16/76         | 80             | 6691            | 1003S                              | 07458W        | 41.5         | 52.9         | GGGG                               |                     |                      | 6                       | 67                     |
| 2480-14193        | 00000/0000                  | 2-20025/0531                | 05/16/76         | 70             | 6691            | 1130S                              | 07518W        | 40.4         | 52.1         | FFGG                               |                     |                      | 6                       | 68                     |
| 2480-15442        | 00000/0000                  | 2-20025/0668                | 05/16/76         | 70             | 6692            | 5139N                              | 08315W        | 51.6         | 138.0        | GGGG                               |                     |                      | 24                      | 24                     |
| 2480-15445        | 00000/0000                  | 2-20025/0669                | 05/16/76         | 80             | 6692            | 5014N                              | 08355W        | 52.4         | 135.9        | GGGG                               |                     |                      | 24                      | 25                     |
| 2480-15540        | 00000/0000                  | 2-20025/0532                | 05/16/76         | 10             | 6692            | 1846N                              | 09401W        | 57.4         | 83.5         | GGGG                               |                     |                      | 24                      | 47                     |
| 2480-15542        | 00000/0000                  | 2-20025/0533                | 05/16/76         | 10             | 6692            | 1720N                              | 09422W        | 57.0         | 81.2         | GGGG                               |                     |                      | 24                      | 48                     |
| 2480-17183        | 00000/0000                  | 2-20025/0534                | 05/16/76         | 30             | 6693            | 7942N                              | 05956W        | 29.0         | 202.6        | GGGG                               |                     |                      | 41                      | 2                      |
| 2480-17190        | 00000/0000                  | 2-20025/0535                | 05/16/76         | 20             | 6693            | 7843N                              | 06622W        | 30.2         | 195.9        | GGGG                               |                     |                      | 41                      | 3                      |
| 2480-17265        | 00000/0000                  | 2-20025/0644                | 05/16/76         | 10             | 6693            | 5427N                              | 10735W        | 50.0         | 141.9        | FFGG                               |                     |                      | 42                      | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2480-17272        | 00000/0000                   | 2-20025/0645                | 05/16/76         | 10             | 6693            | 5303N                              | 10820W                              | 50.8         | 139.9        | GGGG                               |                     |                      | 42                      | 23                     |
| 2480-17274        | 00000/0000                   | 2-20025/0646                | 05/16/76         | 10             | 6693            | 5139N                              | 10902W                              | 51.7         | 137.9        | GGGG                               |                     |                      | 42                      | 24                     |
| 2480-17281        | 00000/0000                   | 2-20025/0647                | 05/16/76         | 10             | 6693            | 5014N                              | 10943W                              | 52.4         | 135.9        | GGGG                               |                     |                      | 42                      | 25                     |
| 2480-20450        | 00000/0000                   | 2-20025/0740                | 05/16/76         | 30             | 6695            | 7932N                              | 11140W                              | 29.0         | 202.5        | GGGG                               |                     |                      | 77                      | 2                      |
| 2480-20453        | 00000/0000                   | 2-20025/0741                | 05/16/76         | 50             | 6695            | 7843N                              | 11106W                              | 30.2         | 195.8        | GGGG                               |                     |                      | 77                      | 3                      |
| 2480-20455        | 00000/0000                   | 2-20025/0742                | 05/16/76         | 90             | 6695            | 7746N                              | 12342W                              | 31.4         | 190.0        | GGGG                               |                     |                      | 78                      | 4                      |
| 2480-20462        | 00000/0000                   | 2-20025/0743                | 05/16/76         | 100            | 6695            | 7645N                              | 12827W                              | 32.5         | 184.9        | GGGG                               |                     |                      | 78                      | 5                      |
| 2480-20464        | 00000/0000                   | 2-20025/0744                | 05/16/76         | 90             | 6695            | 7538N                              | 13231W                              | 33.7         | 180.5        | GGGG                               |                     |                      | 78                      | 6                      |
| 2480-20471        | 00000/0000                   | 2-20025/0745                | 05/16/76         | 80             | 6695            | 7429N                              | 13600W                              | 34.8         | 176.5        | GGGG                               |                     |                      | 78                      | 7                      |
| 2480-20473        | 00000/0000                   | 2-20025/0746                | 05/16/76         | 20             | 6695            | 7316N                              | 13902W                              | 35.9         | 173.1        | GGGG                               |                     |                      | 78                      | 8                      |
| 2480-20480        | 00000/0000                   | 2-20025/0747                | 05/16/76         | 20             | 6695            | 7202N                              | 14139W                              | 37.0         | 169.9        | GGGG                               |                     |                      | 78                      | 9                      |
| 2480-23014        | 00000/0000                   | 2-20025/0536                | 05/16/76         | 50             | 6696            | 3136S                              | 15026E                              | 24.4         | 45.2         | GGGG                               |                     |                      | 96                      | 82                     |
| 2481-02043        | 00000/0000                   | 2-20025/0513                | 05/17/76         | 90             | 6698            | 5013N                              | 12109E                              | 52.5         | 135.8        | GGGG                               |                     |                      | 132                     | 25                     |
| 2481-02045        | 00000/0000                   | 2-20025/0514                | 05/17/76         | 70             | 6698            | 4848N                              | 12030E                              | 53.3         | 133.7        | GGGG                               |                     |                      | 132                     | 26                     |
| 2481-02052        | 00000/0000                   | 2-20025/0515                | 05/17/76         | 40             | 6698            | 4723N                              | 11954E                              | 54.0         | 131.6        | GGGG                               |                     |                      | 132                     | 27                     |
| 2481-02054        | 00000/0000                   | 2-20025/0516                | 05/17/76         | 10             | 6698            | 4577N                              | 11919E                              | 54.7         | 129.5        | GGGG                               |                     |                      | 132                     | 28                     |
| 2481-02061        | 00000/0000                   | 2-20025/0517                | 05/17/76         | 10             | 6698            | 4432N                              | 11845E                              | 55.3         | 127.3        | GGGG                               |                     |                      | 132                     | 29                     |
| 2481-02063        | 00000/0000                   | 2-20025/0518                | 05/17/76         | 30             | 6698            | 4307N                              | 11813E                              | 55.9         | 125.0        | GGGG                               |                     |                      | 132                     | 30                     |
| 2481-02072        | 00000/0000                   | 2-20025/0704                | 05/17/76         | 40             | 6698            | 4016N                              | 11711E                              | 56.9         | 120.4        | G                                  |                     |                      | 132                     | 32                     |
| 2481-02075        | 00000/0000                   | 2-20025/0677                | 05/17/76         | 30             | 6698            | 3850N                              | 11642E                              | 57.3         | 118.0        | GGGG                               |                     |                      | 132                     | 33                     |
| 2481-02081        | 00000/0000                   | 2-20025/0678                | 05/17/76         | 80             | 6698            | 3724N                              | 11614E                              | 57.7         | 115.6        | GGGG                               |                     |                      | 132                     | 34                     |
| 2481-02084        | 00000/0000                   | 2-20025/0679                | 05/17/76         | 50             | 6698            | 3559N                              | 11546E                              | 58.1         | 113.1        | GGGG                               |                     |                      | 132                     | 35                     |
| 2481-02090        | 00000/0000                   | 2-20025/0680                | 05/17/76         | 50             | 6698            | 3433N                              | 11520E                              | 58.3         | 110.6        | GGGG                               |                     |                      | 132                     | 36                     |
| 2481-02093        | 00000/0000                   | 2-20025/0681                | 05/17/76         | 80             | 6698            | 3307N                              | 11454E                              | 58.5         | 108.0        | GGGG                               |                     |                      | 132                     | 37                     |
| 2481-02095        | 00000/0000                   | 2-20025/0682                | 05/17/76         | 90             | 6698            | 3141N                              | 11430E                              | 58.7         | 105.5        | GGGG                               |                     |                      | 132                     | 38                     |
| 2481-03542        | 00000/0000                   | 2-20025/0683                | 05/17/76         | 10             | 6699            | 2724N                              | 08728E                              | 58.8         | 97.9         | GGGG                               |                     |                      | 150                     | 41                     |
| 2481-03545        | 00000/0000                   | 2-20025/0684                | 05/17/76         | 10             | 6699            | 2559N                              | 08704E                              | 58.7         | 95.3         | GGGG                               |                     |                      | 150                     | 42                     |
| 2481-03572        | 00000/0000                   | 2-20025/0685                | 05/17/76         | 30             | 6699            | 1721N                              | 08452E                              | 57.0         | 81.0         | GGGG                               |                     |                      | 150                     | 48                     |
| 2481-03574        | 00000/0000                   | 2-20025/0686                | 05/17/76         | 30             | 6699            | 1555N                              | 08431E                              | 56.5         | 78.9         | GGGG                               |                     |                      | 150                     | 49                     |
| 2481-03581        | 00000/0000                   | 2-20025/0687                | 05/17/76         | 40             | 6699            | 1428N                              | 08411E                              | 55.9         | 76.8         | GGGG                               |                     |                      | 150                     | 50                     |
| 2481-03595        | 00000/0000                   | 2-20025/0688                | 05/17/76         | 30             | 6699            | 0842N                              | 08249E                              | 53.3         | 69.2         | FGGG                               |                     |                      | 150                     | 54                     |
| 2481-04001        | 00000/0000                   | 2-20025/0689                | 05/17/76         | 20             | 6699            | 0715N                              | 08229E                              | 52.6         | 67.5         | FGGG                               |                     |                      | 150                     | 55                     |
| 2481-04004        | 00000/0000                   | 2-20025/0690                | 05/17/76         | 40             | 6699            | 0549N                              | 08209E                              | 51.8         | 65.9         | FGGG                               |                     |                      | 150                     | 56                     |
| 2481-04010        | 00000/0000                   | 2-20025/0691                | 05/17/76         | 40             | 6699            | 0422N                              | 08149E                              | 51.0         | 64.3         | GGGG                               |                     |                      | 150                     | 57                     |
| 2481-05294        | 00000/0000                   | 2-20025/0693                | 05/17/76         | 30             | 6700            | 5429N                              | 07140E                              | 50.1         | 141.8        | GGGG                               |                     |                      | 168                     | 22                     |
| 2481-05301        | 00000/0000                   | 2-20025/0694                | 05/17/76         | 70             | 6700            | 5305N                              | 07055E                              | 50.9         | 139.9        | GGGG                               |                     |                      | 168                     | 23                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RNN<br>NUMBER |
|-------------------|------------------------------|--------------------------------------|------------------|----------------|---------------|------------------------------|-------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2481-05303        | 00000/0000                   | 2-20025/0695                         | 05/17/76         | 30             | 6700          | 5140N                        | 07012E                        | 51.8         | 137.9        | GGGG              |                     |                      |                         |                        |
| 2481-05310        | 00000/0000                   | 2-20025/0696                         | 05/17/76         | 10             | 6700          | 5014N                        | 06932E                        | 52.5         | 135.9        | GGGG              |                     |                      | 168                     | 24                     |
| 2481-05312        | 00000/0000                   | 2-20025/0697                         | 05/17/76         | 20             | 6700          | 4850N                        | 06854E                        | 53.3         | 133.8        | GGGG              |                     |                      | 168                     | 25                     |
| 2481-05335        | 00000/0000                   | 2-20025/0698                         | 05/17/76         | 10             | 6700          | 4018N                        | 06535E                        | 54.9         | 120.4        | GGGG              |                     |                      | 168                     | 26                     |
| 2481-05362        | 00000/0000                   | 2-20025/0699                         | 05/17/76         | 0              | 6700          | 3144N                        | 06252E                        | 58.7         | 105.5        | GGGG              |                     |                      | 168                     | 32                     |
| 2481-05365        | 00000/0000                   | 2-20025/0700                         | 05/17/76         | 0              | 6700          | 3018N                        | 06227E                        | 58.8         | 103.0        | GGGG              |                     |                      | 168                     | 38                     |
| 2481-05371        | 00000/0000                   | 2-20025/0701                         | 05/17/76         | 10             | 6700          | 2852N                        | 06203E                        | 58.8         | 100.4        | GGGG              |                     |                      | 168                     | 39                     |
| 2481-05374        | 00000/0000                   | 2-20025/0702                         | 05/17/76         | 10             | 6700          | 2725N                        | 06140E                        | 58.8         | 97.8         | GGGG              |                     |                      | 168                     | 40                     |
| 2481-05380        | 00000/0000                   | 2-20025/0703                         | 05/17/76         | 10             | 6700          | 2558N                        | 06116E                        | 58.7         | 95.3         | GGGG              |                     |                      | 168                     | 41                     |
| 2481-07130        | 00000/0000                   | 2-20025/0887                         | 05/17/76         | 20             | 6701          | 5428N                        | 04551E                        | 50.1         | 141.8        | GGGG              |                     |                      | 168                     | 42                     |
| 2481-07132        | 00000/0000                   | 2-20025/0888                         | 05/17/76         | 20             | 6701          | 5303N                        | 04506E                        | 51.0         | 139.8        | GGGG              |                     |                      | 186                     | 22                     |
| 2481-07135        | 00000/0000                   | 2-20025/0889                         | 05/17/76         | 20             | 6701          | 5139N                        | 04423E                        | 51.8         | 137.9        | GGGG              |                     |                      | 186                     | 23                     |
| 2481-07141        | 00000/0000                   | 2-20025/0890                         | 05/17/76         | 40             | 6701          | 5015N                        | 04343E                        | 52.6         | 135.8        | GGGG              |                     |                      | 186                     | 24                     |
| 2481-07144        | 00000/0000                   | 2-20025/0891                         | 05/17/76         | 70             | 6701          | 4850N                        | 04304E                        | 53.3         | 133.8        | GGGG              |                     |                      | 186                     | 25                     |
| 2481-07150        | 00000/0000                   | 2-20025/0892                         | 05/17/76         | 40             | 6701          | 4725N                        | 04227E                        | 54.0         | 131.7        | GGGG              |                     |                      | 186                     | 26                     |
| 2481-07153        | 00000/0000                   | 2-20025/0893                         | 05/17/76         | 40             | 6701          | 4600N                        | 04152E                        | 54.7         | 129.5        | GGGG              |                     |                      | 186                     | 27                     |
| 2481-07155        | 00000/0000                   | 2-20025/0894                         | 05/17/76         | 80             | 6701          | 4434N                        | 04118E                        | 55.3         | 127.3        | GGGG              |                     |                      | 186                     | 28                     |
| 2481-07182        | 00000/0000                   | 2-20025/0895                         | 05/17/76         | 10             | 6701          | 3601N                        | 03820E                        | 58.1         | 113.1        | GGGG              |                     |                      | 186                     | 29                     |
| 2481-07341        | 00000/0000                   | 2-20025/0896                         | 05/17/76         | 10             | 6701          | 1839S                        | 02447E                        | 34.8         | 48.5         | GGGG              |                     |                      | 186                     | 35                     |
| 2481-07344        | 00000/0000                   | 2-20025/0897                         | 05/17/76         | 0              | 6701          | 2005S                        | 02425E                        | 39.7         | 48.0         | GGGG              |                     |                      | 186                     | 74                     |
| 2481-08552        | 00000/0000                   | 2-20025/0898                         | 05/17/76         | 10             | 6702          | 5715N                        | 02141E                        | 44.4         | 145.7        | GGGG              |                     |                      | 204                     | 20                     |
| 2481-08555        | 00000/0000                   | 2-20025/0899                         | 05/17/76         | 10             | 6702          | 5551N                        | 02050E                        | 49.3         | 143.7        | GGGG              |                     |                      | 204                     | 21                     |
| 2481-08561        | 00000/0000                   | 2-20025/0900                         | 05/17/76         | 10             | 6702          | 5428N                        | 02002E                        | 50.1         | 141.8        | GGGG              |                     |                      | 204                     | 22                     |
| 2481-10320        | 00000/0000                   | 2-20025/0901                         | 05/17/76         | 10             | 6703          | 7746N                        | 02949E                        | 31.5         | 190.0        | GGGG              |                     |                      | 222                     | 4                      |
| 2481-10322        | 00000/0000                   | 2-20025/0923                         | 05/17/76         | 20             | 6703          | 7644N                        | 02506E                        | 32.6         | 184.9        | GGGG              |                     |                      | 222                     | 5                      |
| 2481-10325        | 00000/0000                   | 2-20025/0924                         | 05/17/76         | 90             | 6703          | 7538N                        | 02101E                        | 33.8         | 180.5        | GGGG              |                     |                      | 222                     | 6                      |
| 2481-12140        | 00000/0000                   | 2-20025/0925                         | 05/17/76         | 50             | 6704          | 8011N                        | 02329E                        | 28.0         | 210.2        | GGGG              |                     |                      | 239                     | 1                      |
| 2481-12143        | 00000/0000                   | 2-20025/0926                         | 05/17/76         | 70             | 6704          | 7931N                        | 01604E                        | 29.2         | 202.5        | GGGG              |                     |                      | 239                     | 2                      |
| 2481-12145        | 00000/0000                   | 2-20025/0927                         | 05/17/76         | 60             | 6704          | 7841N                        | 00936E                        | 30.4         | 195.8        | GGGG              |                     |                      | 239                     | 3                      |
| 2481-12152        | 00000/0000                   | 2-20025/0928                         | 05/17/76         | 80             | 6704          | 7745N                        | 00402E                        | 31.5         | 190.0        | GGGG              |                     |                      | 240                     | 4                      |
| 2481-12154        | 00000/0000                   | 2-20025/0929                         | 05/17/76         | 90             | 6704          | 7644N                        | 00043W                        | 32.7         | 184.9        | GGGG              |                     |                      | 240                     | 5                      |
| 2481-13572        | 00000/0000                   | 2-20025/0930                         | 05/17/76         | 90             | 6705          | 8013N                        | 00232W                        | 28.0         | 210.1        | GGGG              |                     |                      | 6                       | 1                      |
| 2481-13574        | 00000/0000                   | 2-20025/0931                         | 05/17/76         | 100            | 6705          | 7932N                        | 00955W                        | 29.2         | 202.5        | GGGG              |                     |                      | 6                       | 2                      |
| 2481-13581        | 00000/0000                   | 2-20025/0932                         | 05/17/76         | 100            | 6705          | 7842N                        | 01621W                        | 30.4         | 195.8        | GGGG              |                     |                      | 7                       | 3                      |
| 2481-13583        | 00000/0000                   | 2-20025/0933                         | 05/17/76         | 80             | 6705          | 7746N                        | 02153W                        | 31.5         | 189.9        | GGGG              |                     |                      | 7                       | 4                      |
| 2481-14013        | 00000/0000                   | 2-20025/0934                         | 05/17/76         | 100            | 6705          | 6928N                        | 04413W                        | 39.4         | 164.4        | GGGG              |                     |                      | 7                       | 11                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NNN=US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LRNG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2481-14015        | 00000/0000                   | 2-20025/0735                | 05/17/76         | 100            | 6705                   | 6809N                        | 04603W        | 40.4         | 162.0        | GGGG                               |                     |                      | 7                       | 12                     |
| 2481-14022        | 00000/0000                   | 2-20025/0736                | 05/17/76         | 90             | 6705                   | 6649N                        | 04740W        | 41.5         | 159.7        | GGGG                               |                     |                      | 7                       | 13                     |
| 2481-14024        | 00000/0000                   | 2-20025/0737                | 05/17/76         | 50             | 6705                   | 6529N                        | 04909W        | 42.5         | 157.5        | GGGG                               |                     |                      | 7                       | 14                     |
| 2481-14051        | 00000/0000                   | 2-20025/0564                | 05/17/76         | 90             | 6705                   | 5715N                        | 05549W        | 48.4         | 145.6        | GGGG                               |                     |                      | 7                       | 20                     |
| 2481-14054        | 00000/0000                   | 2-20025/0565                | 05/17/76         | 100            | 6705                   | 5551N                        | 05639W        | 49.3         | 143.7        | GGGG                               |                     |                      | 7                       | 21                     |
| 2481-14060        | 00000/0000                   | 2-20025/0566                | 05/17/76         | 40             | 6705                   | 5426N                        | 05727W        | 50.2         | 141.7        | GGGG                               |                     |                      | 7                       | 22                     |
| 2481-14063        | 00000/0000                   | 2-20025/0567                | 05/17/76         | 40             | 6705                   | 5302N                        | 05812W        | 51.0         | 139.8        | GGGG                               |                     |                      | 7                       | 23                     |
| 2481-14065        | 00000/0000                   | 2-20025/0568                | 05/17/76         | 10             | 6705                   | 5137N                        | 05854W        | 51.8         | 137.8        | GGGG                               |                     |                      | 7                       | 24                     |
| 2481-14072        | 00000/0000                   | 2-20025/0569                | 05/17/76         | 10             | 6705                   | 5013N                        | 05934W        | 52.6         | 135.7        | FGGG                               |                     |                      | 7                       | 25                     |
| 2481-14074        | 00000/0000                   | 2-20025/0570                | 05/17/76         | 10             | 6705                   | 4848N                        | 06012W        | 53.4         | 133.7        | GGGG                               |                     |                      | 7                       | 26                     |
| 2481-14081        | 00000/0000                   | 2-20025/0571                | 05/17/76         | 10             | 6705                   | 4723N                        | 06049W        | 54.1         | 131.6        | FGGG                               |                     |                      | 7                       | 27                     |
| 2481-14083        | 00000/0000                   | 2-20025/0572                | 05/17/76         | 10             | 6705                   | 4558N                        | 06124W        | 54.7         | 129.4        | FGGG                               |                     |                      | 7                       | 28                     |
| 2481-14090        | 00000/0000                   | 2-20025/0573                | 05/17/76         | 10             | 6705                   | 4433N                        | 06157W        | 55.4         | 127.2        | FGGG                               |                     |                      | 7                       | 29                     |
| 2481-14092        | 00000/0000                   | 2-20025/0574                | 05/17/76         | 10             | 6705                   | 4308N                        | 06230W        | 56.0         | 124.9        | FGGG                               |                     |                      | 7                       | 30                     |
| 2481-14095        | 00000/0000                   | 2-20025/0575                | 05/17/76         | 10             | 6705                   | 4142N                        | 06302W        | 56.5         | 122.6        | FGGG                               |                     |                      | 7                       | 31                     |
| 2481-14101        | 00000/0000                   | 2-20025/0576                | 05/17/76         | 20             | 6705                   | 4017N                        | 06332W        | 57.0         | 120.3        | FGGG                               |                     |                      | 7                       | 32                     |
| 2481-14104        | 00000/0000                   | 2-20025/0577                | 05/17/76         | 70             | 6705                   | 3851N                        | 06401W        | 57.4         | 117.9        | GGGG                               |                     |                      | 7                       | 33                     |
| 2481-14110        | 00000/0000                   | 2-20025/0578                | 05/17/76         | 70             | 6705                   | 3726N                        | 06429W        | 57.8         | 115.4        | GGGG                               |                     |                      | 7                       | 34                     |
| 2481-14113        | 00000/0000                   | 2-20025/0579                | 05/17/76         | 70             | 6705                   | 3601N                        | 06455W        | 58.1         | 112.9        | GGGG                               |                     |                      | 7                       | 35                     |
| 2481-14115        | 00000/0000                   | 2-20025/0580                | 05/17/76         | 60             | 6705                   | 3434N                        | 06522W        | 58.4         | 110.4        | GGGG                               |                     |                      | 7                       | 36                     |
| 2481-14122        | 00000/0000                   | 2-20025/0581                | 05/17/76         | 40             | 6705                   | 3307N                        | 06548W        | 58.6         | 107.9        | FGGG                               |                     |                      | 7                       | 37                     |
| 2481-14124        | 00000/0000                   | 2-20025/0582                | 05/17/76         | 30             | 6705                   | 3141N                        | 06614W        | 58.8         | 105.3        | FGGG                               |                     |                      | 7                       | 38                     |
| 2481-14131        | 00000/0000                   | 2-20025/0583                | 05/17/76         | 20             | 6705                   | 3015N                        | 06638W        | 58.8         | 102.8        | GGGG                               |                     |                      | 7                       | 39                     |
| 2481-15503        | 00000/0000                   | 2-20025/0537                | 05/17/76         | 90             | 6706                   | 5013N                        | 08521W        | 52.6         | 135.7        | GGGG                               |                     |                      | 25                      | 25                     |
| 2481-17323        | 00000/0000                   | 2-20025/0749                | 05/17/76         | 70             | 6707                   | 5426N                        | 10904W        | 50.2         | 141.7        | GGGG                               |                     |                      | 43                      | 22                     |
| 2481-17330        | 00000/0000                   | 2-20025/0750                | 05/17/76         | 80             | 6707                   | 5303N                        | 10949W        | 51.1         | 139.7        | GGGG                               |                     |                      | 43                      | 23                     |
| 2481-17332        | 00000/0000                   | 2-20025/0751                | 05/17/76         | 90             | 6707                   | 5138N                        | 11031W        | 51.9         | 137.7        | GGGG                               |                     |                      | 43                      | 24                     |
| 2481-17335        | 00000/0000                   | 2-20025/0752                | 05/17/76         | 50             | 6707                   | 5013N                        | 11111W        | 52.6         | 135.7        | GGGG                               |                     |                      | 43                      | 25                     |
| 2481-20502        | 00000/0000                   | 2-20025/0919                | 05/17/76         | 30             | 6709                   | 8013N                        | 10541W        | 28.1         | 210.1        | GGGF                               |                     |                      | 78                      | 1                      |
| 2481-20505        | 00000/0000                   | 2-20025/0920                | 05/17/76         | 30             | 6709                   | 7931N                        | 11309W        | 29.3         | 202.4        | GGGG                               |                     |                      | 78                      | 2                      |
| 2481-20511        | 00000/0000                   | 2-20025/0921                | 05/17/76         | 30             | 6709                   | 7842N                        | 11936W        | 30.5         | 195.7        | GGGG                               |                     |                      | 79                      | 3                      |
| 2481-20514        | 00000/0000                   | 2-20025/0922                | 05/17/76         | 30             | 6709                   | 7745N                        | 12508W        | 31.6         | 189.9        | GGGG                               |                     |                      | 79                      | 4                      |
| 2481-21270        | 00000/0000                   | 2-20025/0738                | 05/17/76         | 90             | 6709                   | 4133S                        | 17138E        | 15.7         | 44.5         | GGGG                               |                     |                      | 79                      | 89                     |
| 2481-22595        | 00000/0000                   | 2-20025/0739                | 05/17/76         | 30             | 6710                   | 0542S                        | 15530E        | 44.4         | 55.4         | GGGG                               |                     |                      | 97                      | 64                     |
| 2482-03494        | 00000/0000                   | 2-20025/0776                | 05/18/76         | 20             | 6713                   | 6246N                        | 10143E        | 44.7         | 153.4        | GGG                                |                     |                      | 151                     | 16                     |
| 2482-03500        | 00000/0000                   | 2-20025/0777                | 05/18/76         | 20             | 6713                   | 6125N                        | 10035E        | 45.7         | 151.4        | GGGG                               |                     |                      | 151                     | 17                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

PAGE 024P

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2482-03503        | 00000/0000                   | 2-20025/0778                | 05/18/76         | 40             | 6713                | 6002N                                   | 09933E       | 46.7         | 149.4                              | GFGG                |                      | 151                     | 18                     |
| 2482-03505        | 00000/0000                   | 2-20025/0779                | 05/18/76         | 50             | 6713                | 5838N                                   | 09835E       | 47.6         | 147.5                              | GFGG                |                      | 151                     | 19                     |
| 2482-03512        | 00000/0000                   | 2-20025/0780                | 05/18/76         | 80             | 6713                | 5715N                                   | 09741E       | 48.5         | 145.6                              | GGFG                |                      | 151                     | 20                     |
| 2482-03514        | 00000/0000                   | 2-20025/0781                | 05/18/76         | 80             | 6713                | 5551N                                   | 09651E       | 49.4         | 143.6                              | GGGG                |                      | 151                     | 21                     |
| 2482-04041        | 00000/0000                   | 2-20025/0782                | 05/18/76         | 20             | 6713                | 1300N                                   | 08225E       | 55.3         | 74.3                               | GGGG                |                      | 151                     | 51                     |
| 2482-04044        | 00000/0000                   | 2-20025/0783                | 05/18/76         | 30             | 6713                | 1135N                                   | 08204E       | 54.7         | 72.4                               | GGGG                |                      | 151                     | 52                     |
| 2482-04050        | 00000/0000                   | 2-20025/0784                | 05/18/76         | 20             | 6713                | 1008N                                   | 08143E       | 54.0         | 70.6                               | GGGF                |                      | 151                     | 53                     |
| 2482-04053        | 00000/0000                   | 2-20025/0785                | 05/18/76         | 10             | 6713                | 0841N                                   | 08123E       | 53.3         | 68.8                               | FFFF                |                      | 151                     | 54                     |
| 2482-04055        | 00000/0000                   | 2-20025/0786                | 05/18/76         | 10             | 6713                | 0715N                                   | 08103E       | 52.5         | 67.1                               | GGGG                |                      | 151                     | 55                     |
| 2482-04062        | 00000/0000                   | 2-20025/0787                | 05/18/76         | 20             | 6713                | 0548N                                   | 08043E       | 51.7         | 65.5                               | GGFF                |                      | 151                     | 56                     |
| 2482-04064        | 00000/0000                   | 2-20025/0788                | 05/18/76         | 20             | 6713                | 0421N                                   | 08022E       | 50.9         | 64.0                               | GGGG                |                      | 151                     | 57                     |
| 2482-05341        | 00000/0000                   | 2-20025/0789                | 05/18/76         | 90             | 6714                | 5838N                                   | 07243E       | 47.6         | 147.5                              | GFGF                |                      | 169                     | 19                     |
| 2482-05343        | 00000/0000                   | 2-20025/0790                | 05/18/76         | 90             | 6714                | 5715N                                   | 07149E       | 48.5         | 145.5                              | GGGF                |                      | 169                     | 20                     |
| 2482-05352        | 00000/0000                   | 2-20025/0791                | 05/18/76         | 10             | 6714                | 5427N                                   | 07011E       | 50.3         | 141.7                              | GGGG                |                      | 169                     | 22                     |
| 2482-05355        | 00000/0000                   | 2-20025/0792                | 05/18/76         | 0              | 6714                | 5302N                                   | 06928E       | 51.1         | 139.7                              | GGGG                |                      | 169                     | 23                     |
| 2482-05361        | 00000/0000                   | 2-20025/0793                | 05/18/76         | 0              | 6714                | 5138N                                   | 06844E       | 52.0         | 137.7                              | GGGG                |                      | 169                     | 24                     |
| 2482-05364        | 00000/0000                   | 2-20025/0794                | 05/18/76         | 10             | 6714                | 5014N                                   | 06804E       | 52.7         | 135.6                              | GGGG                |                      | 169                     | 25                     |
| 2482-05370        | 00000/0000                   | 2-20025/0795                | 05/18/76         | 10             | 6714                | 4849N                                   | 06726E       | 53.5         | 133.6                              | GGGG                |                      | 169                     | 26                     |
| 2482-05373        | 00000/0000                   | 2-20025/0796                | 05/18/76         | 10             | 6714                | 4724N                                   | 06650E       | 54.2         | 131.4                              | GGGG                |                      | 169                     | 27                     |
| 2482-05375        | 00000/0000                   | 2-20025/0797                | 05/18/76         | 10             | 6714                | 4559N                                   | 06615E       | 54.8         | 129.3                              | GGGG                |                      | 169                     | 28                     |
| 2482-05382        | 00000/0000                   | 2-20025/0798                | 05/18/76         | 10             | 6714                | 4434N                                   | 06542E       | 55.5         | 127.0                              | GGGG                |                      | 169                     | 29                     |
| 2482-07170        | 00000/0000                   | 2-20025/0840                | 05/18/76         | 80             | 6715                | 6001N                                   | 04756E       | 46.7         | 149.4                              | GGGG                |                      | 187                     | 18                     |
| 2482-07173        | 00000/0000                   | 2-20025/0841                | 05/18/76         | 80             | 6715                | 5838N                                   | 04658E       | 47.6         | 147.5                              | GGGG                |                      | 187                     | 19                     |
| 2482-07175        | 00000/0000                   | 2-20025/0842                | 05/18/76         | 70             | 6715                | 5714N                                   | 04604E       | 48.6         | 145.5                              | GGGG                |                      | 187                     | 20                     |
| 2482-07182        | 00000/0000                   | 2-20025/0843                | 05/18/76         | 20             | 6715                | 5551N                                   | 04513E       | 49.5         | 143.6                              | GGGG                |                      | 187                     | 21                     |
| 2482-07184        | 00000/0000                   | 2-20025/0844                | 05/18/76         | 30             | 6715                | 5427N                                   | 04425E       | 50.3         | 141.6                              | GGGG                |                      | 187                     | 22                     |
| 2482-07191        | 00000/0000                   | 2-20025/0845                | 05/18/76         | 70             | 6715                | 5302N                                   | 04341E       | 51.2         | 139.7                              | GGGG                |                      | 187                     | 23                     |
| 2482-07193        | 00000/0000                   | 2-20025/0753                | 05/18/76         | 30             | 6715                | 5138N                                   | 04258E       | 52.0         | 137.7                              | GGGG                |                      | 187                     | 24                     |
| 2482-07200        | 00000/0000                   | 2-20025/0754                | 05/18/76         | 20             | 6715                | 5014N                                   | 04217E       | 52.8         | 135.6                              | GGGG                |                      | 187                     | 25                     |
| 2482-07202        | 00000/0000                   | 2-20025/0755                | 05/18/76         | 20             | 6715                | 4849N                                   | 04138E       | 53.5         | 133.5                              | FGGG                |                      | 187                     | 26                     |
| 2482-07205        | 00000/0000                   | 2-20025/0756                | 05/18/76         | 20             | 6715                | 4723N                                   | 04101E       | 54.2         | 131.4                              | GGGG                |                      | 187                     | 27                     |
| 2482-07211        | 00000/0000                   | 2-20025/0757                | 05/18/76         | 10             | 6715                | 4558N                                   | 04026E       | 54.9         | 129.2                              | GGGG                |                      | 187                     | 28                     |
| 2482-07214        | 00000/0000                   | 2-20025/0758                | 05/18/76         | 10             | 6715                | 4433N                                   | 03952E       | 55.5         | 127.0                              | GGGG                |                      | 187                     | 29                     |
| 2482-07402        | 00000/0000                   | 2-20025/0759                | 05/18/76         | 0              | 6715                | 2007S                                   | 02259E       | 33.5         | 47.8                               | GGGG                |                      | 187                     | 74                     |
| 2482-09134        | 00000/0000                   | 2-20025/0760                | 05/18/76         | 100            | 6716                | 1427N                                   | 00518E       | 55.9         | 76.3                               | GGGG                |                      | 205                     | 50                     |
| 2482-09140        | 00000/0000                   | 2-20025/0761                | 05/18/76         | 100            | 6716                | 1301N                                   | 00457E       | 55.3         | 74.2                               | GGGF                |                      | 205                     | 51                     |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>R&V | ROLL NO./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>R&V MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>R&V<br>NUMBER |
|-------------------|------------------------------|--------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2482-10372        | 00000/0000                   | 2-20025/0762                         | 05/18/76         | 30             | 6717            | 7842N                        | 03354E        | 30.6         | 195.8        | GGGG                               |                     |                      | 223                     | 3                      |
| 2482-10374        | 00000/0000                   | 2-20025/0763                         | 05/18/76         | 90             | 6717            | 7745N                        | 02422E        | 31.7         | 189.9        | GGGG                               |                     |                      | 223                     | 4                      |
| 2482-10381        | 00000/0000                   | 2-20025/0764                         | 05/18/76         | 100            | 6717            | 7643N                        | 02338E        | 32.9         | 184.8        | GGFG                               |                     |                      | 223                     | 5                      |
| 2482-12194        | 00000/0000                   | 2-20025/0765                         | 05/18/76         | 70             | 6718            | 8011N                        | 02149E        | 28.3         | 210.1        | GFFG                               |                     |                      | 240                     | 1                      |
| 2482-12201        | 00000/0000                   | 2-20025/0766                         | 05/18/76         | 90             | 6718            | 7931N                        | 01427E        | 29.4         | 202.4        | GGFG                               |                     |                      | 240                     | 2                      |
| 2482-12203        | 00000/0000                   | 2-20025/0767                         | 05/18/76         | 90             | 6718            | 7841N                        | 00402E        | 30.6         | 195.7        | GGFG                               |                     |                      | 241                     | 3                      |
| 2482-12210        | 00000/0000                   | 2-20025/0768                         | 05/18/76         | 90             | 6718            | 7744N                        | 00731E        | 31.8         | 189.9        | GFGF                               |                     |                      | 241                     | 4                      |
| 2482-12212        | 00000/0000                   | 2-20025/0769                         | 05/18/76         | 90             | 6718            | 7643N                        | 00210W        | 32.9         | 184.8        | FFFF                               |                     |                      | 241                     | 5                      |
| 2482-14030        | 00000/0000                   | 2-20025/0770                         | 05/18/76         | 100            | 6719            | 8012N                        | 00358W        | 28.3         | 210.0        | PFFP                               |                     |                      | 7                       | 1                      |
| 2482-14073        | 00000/0000                   | 2-20025/0800                         | 05/18/76         | 0              | 6719            | 6809N                        | 04729W        | 40.7         | 161.9        | GGGG                               |                     |                      | 8                       | 12                     |
| 2482-14080        | 00000/0000                   | 2-20025/0801                         | 05/18/76         | 0              | 6719            | 6648N                        | 04908W        | 41.7         | 159.6        | GGGG                               |                     |                      | 8                       | 13                     |
| 2482-14082        | 00000/0000                   | 2-20025/0802                         | 05/18/76         | 30             | 6719            | 6527N                        | 05037W        | 42.8         | 157.4        | GGGG                               |                     |                      | 8                       | 14                     |
| 2482-14105        | 00000/0000                   | 2-20025/0864                         | 05/18/76         | 90             | 6719            | 5713N                        | 05714W        | 48.6         | 145.5        | FGGG                               |                     |                      | 8                       | 20                     |
| 2482-14112        | 00000/0000                   | 2-20025/0865                         | 05/18/76         | 90             | 6719            | 5549N                        | 05405W        | 49.5         | 143.5        | FFGG                               |                     |                      | 8                       | 21                     |
| 2482-14114        | 00000/0000                   | 2-20025/0866                         | 05/18/76         | 90             | 6719            | 5425N                        | 05452W        | 50.4         | 141.6        | FGGG                               |                     |                      | 8                       | 22                     |
| 2482-14121        | 00000/0000                   | 2-20025/0867                         | 05/18/76         | 40             | 6719            | 5301N                        | 05436W        | 51.2         | 139.6        | GGGG                               |                     |                      | 8                       | 23                     |
| 2482-14123        | 00000/0000                   | 2-20025/0868                         | 05/18/76         | 30             | 6719            | 5136N                        | 06019W        | 52.0         | 137.6        | GGGG                               |                     |                      | 8                       | 24                     |
| 2482-14130        | 00000/0000                   | 2-20025/0869                         | 05/18/76         | 40             | 6719            | 5012N                        | 06100W        | 52.8         | 135.5        | GGGG                               |                     |                      | 8                       | 25                     |
| 2482-14132        | 00000/0000                   | 2-20025/0870                         | 05/18/76         | 90             | 6719            | 4847N                        | 06139W        | 53.6         | 133.4        | GGGG                               |                     |                      | 8                       | 26                     |
| 2482-14135        | 00000/0000                   | 2-20025/0871                         | 05/18/76         | 70             | 6719            | 4722N                        | 06215W        | 54.3         | 131.3        | GGGG                               |                     |                      | 8                       | 27                     |
| 2482-14141        | 00000/0000                   | 2-20025/0872                         | 05/18/76         | 30             | 6719            | 4557N                        | 06250W        | 54.9         | 129.1        | GGGG                               |                     |                      | 8                       | 28                     |
| 2482-14144        | 00000/0000                   | 2-20025/0873                         | 05/18/76         | 90             | 6719            | 4432N                        | 06324W        | 55.5         | 126.9        | FGGG                               |                     |                      | 8                       | 29                     |
| 2482-14150        | 00000/0000                   | 2-20025/0874                         | 05/18/76         | 90             | 6719            | 4307N                        | 06356W        | 56.1         | 124.6        | GGGG                               |                     |                      | 8                       | 30                     |
| 2482-14153        | 00000/0000                   | 2-20025/0875                         | 05/18/76         | 90             | 6719            | 4141N                        | 06427W        | 56.6         | 122.3        | GGGG                               |                     |                      | 8                       | 31                     |
| 2482-14155        | 00000/0000                   | 2-20025/0876                         | 05/18/76         | 90             | 6719            | 4016N                        | 06457W        | 57.1         | 119.9        | GGGG                               |                     |                      | 8                       | 32                     |
| 2482-14162        | 00000/0000                   | 2-20025/0877                         | 05/18/76         | 90             | 6719            | 3850N                        | 06526W        | 57.6         | 117.5        | GGGG                               |                     |                      | 8                       | 33                     |
| 2482-14164        | 00000/0000                   | 2-20025/0878                         | 05/18/76         | 70             | 6719            | 3725N                        | 06553W        | 57.9         | 115.1        | GGGG                               |                     |                      | 8                       | 34                     |
| 2482-14171        | 00000/0000                   | 2-20025/0879                         | 05/18/76         | 60             | 6719            | 3559N                        | 06621W        | 58.2         | 112.6        | GGGG                               |                     |                      | 8                       | 35                     |
| 2482-14173        | 00000/0000                   | 2-20025/0880                         | 05/18/76         | 70             | 6719            | 3443N                        | 06648W        | 58.5         | 110.0        | GGGG                               |                     |                      | 8                       | 36                     |
| 2482-14180        | 00000/0000                   | 2-20025/0881                         | 05/18/76         | 50             | 6719            | 3307N                        | 06714W        | 58.7         | 107.5        | GGGG                               |                     |                      | 8                       | 37                     |
| 2482-14182        | 00000/0000                   | 2-20025/0882                         | 05/18/76         | 40             | 6719            | 3141N                        | 06739W        | 58.8         | 104.9        | GGGG                               |                     |                      | 8                       | 38                     |
| 2482-14185        | 00000/0000                   | 2-20025/0883                         | 05/18/76         | 10             | 6719            | 3015N                        | 06804W        | 58.9         | 102.3        | GFGG                               |                     |                      | 8                       | 39                     |
| 2482-14191        | 00000/0000                   | 2-20025/0884                         | 05/18/76         | 10             | 6719            | 2849N                        | 06828W        | 58.9         | 99.8         | GFGG                               |                     |                      | 8                       | 40                     |
| 2482-14194        | 00000/0000                   | 2-20025/0885                         | 05/18/76         | 10             | 6719            | 2723N                        | 06851W        | 58.9         | 97.2         | GFGG                               |                     |                      | 8                       | 41                     |
| 2482-15480        | 00000/0000                   | 2-20025/0803                         | 05/18/76         | 60             | 6720            | 7643N                        | 05351W        | 32.9         | 184.8        | FF F                               |                     |                      | 26                      | 5                      |
| 2482-15562        | 00000/0000                   | 2-20025/0886                         | 05/18/76         | 10             | 6720            | 5012N                        | 08648W        | 52.8         | 135.5        | GFGG                               |                     |                      | 26                      | 28                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS= BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2482-16041        | 00000/0000                                     | 2-20025/0748     | 05/18/76       | 70              | 6720                               | 2304N                               | 09548W       | 58.4         | 89.7              | GGGG                |                      | 26                      | 44                     |
| 2482-16053        | 00000/0000                                     | 2-20025/0799     | 05/18/76       | 30              | 6720                               | 1845N                               | 09452W       | 57.4         | 82.6              | G GG                |                      | 26                      | 47                     |
| 2482-17382        | 00000/0000                                     | 2-20025/0624     | 05/18/76       | 90              | 6721                               | 5405N                               | 11030W       | 50.4         | 141.5             | GGGG                |                      | 44                      | 22                     |
| 2482-17384        | 00000/0000                                     | 2-20025/0625     | 05/18/76       | 70              | 6721                               | 5301N                               | 11114W       | 51.3         | 139.5             | GGGG                |                      | 44                      | 23                     |
| 2482-17391        | 00000/0000                                     | 2-20025/0626     | 05/18/76       | 10              | 6721                               | 5137N                               | 11156W       | 52.1         | 137.5             | GGGG                |                      | 44                      | 24                     |
| 2482-17393        | 00000/0000                                     | 2-20025/0627     | 05/18/76       | 0               | 6721                               | 5012N                               | 11236W       | 52.8         | 135.5             | GGGG                |                      | 44                      | 25                     |
| 2482-20560        | 00000/0000                                     | 2-20025/0923     | 05/18/76       | 40              | 6723                               | 8013N                               | 10659W       | 28.3         | 210.3             | GGGG                |                      | 79                      | 1                      |
| 2482-20563        | 00000/0000                                     | 2-20025/0924     | 05/18/76       | 40              | 6723                               | 7932N                               | 11425W       | 29.5         | 202.6             | GGGG                |                      | 79                      | 2                      |
| 2482-20565        | 00000/0000                                     | 2-20025/0925     | 05/18/76       | 50              | 6723                               | 7843N                               | 12052W       | 30.6         | 195.9             | GGGG                |                      | 79                      | 3                      |
| 2482-20572        | 00000/0000                                     | 2-20025/0926     | 05/18/76       | 60              | 6723                               | 7746N                               | 12625W       | 31.8         | 190.0             | GGGG                |                      | 80                      | 4                      |
| 2482-20574        | 00000/0000                                     | 2-20025/0927     | 05/18/76       | 20              | 6723                               | 7644N                               | 13110W       | 32.9         | 184.9             | GGGG                |                      | 80                      | 5                      |
| 2482-20581        | 00000/0000                                     | 2-20025/0928     | 05/18/76       | 20              | 6723                               | 7538N                               | 13514W       | 34.1         | 180.5             | GGGG                |                      | 80                      | 6                      |
| 2482-20583        | 00000/0000                                     | 2-20025/0929     | 05/18/76       | 10              | 6723                               | 7409N                               | 13845W       | 35.2         | 176.5             | GGGG                |                      | 80                      | 7                      |
| 2482-20590        | 00000/0000                                     | 2-20025/0930     | 05/18/76       | 10              | 6723                               | 7316N                               | 14147W       | 36.3         | 173.1             | GGGG                |                      | 80                      | 8                      |
| 2482-20592        | 00000/0000                                     | 2-20025/0931     | 05/18/76       | 0               | 6723                               | 7202N                               | 14425W       | 37.5         | 169.9             | GGGG                |                      | 80                      | 9                      |
| 2482-23142        | 00000/0000                                     | 2-20025/0804     | 05/18/76       | 10              | 6724                               | 3550S                               | 14616E       | 20.4         | 44.5              | GGGG                |                      | 98                      | 85                     |
| 2483-03570        | 00000/0000                                     | 2-20025/0805     | 05/19/76       | 40              | 6727                               | 5714N                               | 09415E       | 48.7         | 145.4             | GGGG                |                      | 152                     | 20                     |
| 2483-04105        | 00000/0000                                     | 2-20025/0806     | 05/19/76       | 20              | 6727                               | 1007N                               | 08017E       | 53.9         | 70.2              | GGGG                |                      | 152                     | 53                     |
| 2483-04111        | 00000/0000                                     | 2-20025/0807     | 05/19/76       | 30              | 6727                               | 0840N                               | 07957E       | 53.2         | 68.4              | GGGG                |                      | 152                     | 54                     |
| 2483-04114        | 00000/0000                                     | 2-20025/0808     | 05/19/76       | 20              | 6727                               | 0714N                               | 07937E       | 52.5         | 66.8              | GGGG                |                      | 152                     | 55                     |
| 2483-05404        | 00000/0000                                     | 2-20025/0809     | 05/19/76       | 90              | 6728                               | 5500N                               | 06933E       | 49.6         | 143.4             | GGG                 |                      | 170                     | 21                     |
| 2483-05411        | 00000/0000                                     | 2-20025/0810     | 05/19/76       | 30              | 6728                               | 5427N                               | 06846E       | 50.5         | 141.5             | GFGG                |                      | 170                     | 22                     |
| 2483-05413        | 00000/0000                                     | 2-20025/0811     | 05/19/76       | 30              | 6728                               | 5302N                               | 06801E       | 51.3         | 139.5             | GGGG                |                      | 170                     | 23                     |
| 2483-05420        | 00000/0000                                     | 2-20025/0812     | 05/19/76       | 10              | 6728                               | 5138N                               | 06718E       | 52.2         | 137.5             | GFGG                |                      | 170                     | 24                     |
| 2483-05422        | 00000/0000                                     | 2-20025/0813     | 05/19/76       | 10              | 6728                               | 5014N                               | 06638E       | 52.9         | 135.4             | GGGG                |                      | 170                     | 25                     |
| 2483-05440        | 00000/0000                                     | 2-20025/0814     | 05/19/76       | 40              | 6728                               | 4433N                               | 06415E       | 55.6         | 126.8             | GGGG                |                      | 170                     | 29                     |
| 2483-05470        | 00000/0000                                     | 2-20025/0815     | 05/19/76       | 10              | 6728                               | 3433N                               | 06050E       | 58.6         | 109.8             | GGGG                |                      | 170                     | 36                     |
| 2483-05472        | 00000/0000                                     | 2-20025/0816     | 05/19/76       | 10              | 6728                               | 3307N                               | 06025E       | 58.8         | 107.3             | GGGG                |                      | 170                     | 37                     |
| 2483-05475        | 00000/0000                                     | 2-20025/0817     | 05/19/76       | 10              | 6728                               | 3141N                               | 05959E       | 58.9         | 104.7             | GGGG                |                      | 170                     | 38                     |
| 2483-05481        | 00000/0000                                     | 2-20025/0818     | 05/19/76       | 20              | 6728                               | 3015N                               | 05934E       | 59.0         | 102.1             | FGGG                |                      | 170                     | 39                     |
| 2483-07242        | 00000/0000                                     | 2-20025/0846     | 05/19/76       | 70              | 6729                               | 5425N                               | 04258E       | 50.5         | 141.5             | GGGG                |                      | 188                     | 22                     |
| 2483-07245        | 00000/0000                                     | 2-20025/0849     | 05/19/76       | 70              | 6729                               | 5301N                               | 04213E       | 51.4         | 139.5             | G GG                |                      | 188                     | 23                     |
| 2483-07251        | 00000/0000                                     | 2-20025/0847     | 05/19/76       | 40              | 6729                               | 5138N                               | 04131E       | 52.2         | 137.4             | GGGG                |                      | 188                     | 24                     |
| 2483-07254        | 00000/0000                                     | 2-20025/0848     | 05/19/76       | 30              | 6729                               | 5013N                               | 04050E       | 52.9         | 135.4             | GGGG                |                      | 188                     | 25                     |
| 2483-07263        | 00000/0000                                     | 2-20025/0820     | 05/19/76       | 10              | 6729                               | 4722N                               | 03935E       | 54.4         | 131.2             | GGG                 |                      | 188                     | 27                     |
| 2483-07265        | 00000/0000                                     | 2-20025/0821     | 05/19/76       | 20              | 6729                               | 4557N                               | 03900E       | 55.0         | 129.0             | GGG                 |                      | 188                     | 28                     |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LRNG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|--------------------------------------|------------------|----------------|------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2483-07272        | 00000/0000                   | 2-20025/0822                         | 05/19/76         | 70             | 4729             | 4432N                        | 03A26E        | 55.7         | 126.7        | FGGG                               |                     |                      | 188                     | 29                     |
| 2483-07451        | 00000/0000                   | 2-20025/0823                         | 05/19/76         | 40             | 4729             | 1715S                        | 02P15E        | 35.6         | 48.7         | GGGG                               |                     |                      | 188                     | 72                     |
| 2483-07454        | 00000/0000                   | 2-20025/0824                         | 05/19/76         | 30             | 6729             | 1842S                        | 02154E        | 34.5         | 48.2         | FGGG                               |                     |                      | 188                     | 73                     |
| 2483-07460        | 00000/0000                   | 2-20025/0825                         | 05/19/76         | 0              | 6729             | 2008S                        | 02132E        | 33.4         | 47.6         | FGGG                               |                     |                      | 188                     | 74                     |
| 2483-09094        | 00000/0000                   | 2-20025/0826                         | 05/19/76         | 20             | 6730             | 4722N                        | 01345E        | 54.4         | 131.1        | GGGG                               |                     |                      | 206                     | 27                     |
| 2483-10430        | 00000/0000                   | 2-20025/0827                         | 05/19/76         | 70             | 6731             | 7841N                        | 03P24E        | 30.8         | 195.7        | GGGG                               |                     |                      | 224                     | 3                      |
| 2483-10433        | 00000/0000                   | 2-20025/0828                         | 05/19/76         | 80             | 6731             | 7744N                        | 02453E        | 32.0         | 189.8        | GGGG                               |                     |                      | 224                     | 4                      |
| 2483-10435        | 00000/0000                   | 2-20025/0829                         | 05/19/76         | 30             | 6731             | 7642N                        | 02P10E        | 33.1         | 184.7        | GGGG                               |                     |                      | 224                     | 5                      |
| 2483-10442        | 00000/0000                   | 2-20025/0830                         | 05/19/76         | 10             | 6731             | 7536N                        | 01R07E        | 34.3         | 180.3        | GGGF                               |                     |                      | 224                     | 6                      |
| 2483-12253        | 00000/0000                   | 2-20025/0831                         | 05/19/76         | 90             | 6732             | 8011N                        | 02014E        | 28.5         | 209.9        | GGGF                               |                     |                      | 241                     | 1                      |
| 2483-12255        | 00000/0000                   | 2-20025/0832                         | 05/19/76         | 80             | 6732             | 7930N                        | 01252E        | 29.7         | 202.3        | GGGG                               |                     |                      | 242                     | 2                      |
| 2483-12262        | 00000/0000                   | 2-20025/0833                         | 05/19/76         | 90             | 6732             | 7841N                        | 00627E        | 30.8         | 195.6        | GGGG                               |                     |                      | 242                     | 3                      |
| 2483-12264        | 00000/0000                   | 2-20025/0834                         | 05/19/76         | 90             | 6732             | 7744N                        | 00056E        | 32.0         | 189.8        | GGGG                               |                     |                      | 242                     | 4                      |
| 2483-12271        | 00000/0000                   | 2-20025/0835                         | 05/19/76         | 90             | 6732             | 7642N                        | 00346W        | 33.1         | 184.7        | GGGG                               |                     |                      | 242                     | 5                      |
| 2483-13014        | 00000/0000                   | 2-20025/0836                         | 05/19/76         | 10             | 6732             | 4008S                        | 06139W        | 16.6         | 44.3         | FFFF                               |                     |                      | 242                     | 88                     |
| 2483-14084        | 00000/0000                   | 2-20025/0837                         | 05/19/76         | 100            | 6733             | 8012N                        | 00513W        | 28.5         | 210.2        | GGGG                               |                     |                      | 8                       | 1                      |
| 2483-14091        | 00000/0000                   | 2-20025/0838                         | 05/19/76         | 90             | 6733             | 7932N                        | 01235W        | 29.6         | 202.6        | GGGG                               |                     |                      | 8                       | 2                      |
| 2483-14093        | 00000/0000                   | 2-20025/0839                         | 05/19/76         | 80             | 6733             | 7842N                        | 01901W        | 30.8         | 195.9        | FGGG                               |                     |                      | 8                       | 3                      |
| 2483-14123        | 00000/0000                   | 2-20025/0705                         | 05/19/76         | 80             | 6733             | 7046N                        | 04457W        | 38.7         | 167.0        | GGG                                |                     |                      | 9                       | 10                     |
| 2483-14125        | 00000/0000                   | 2-20025/0706                         | 05/19/76         | 80             | 6733             | 6929N                        | 04701W        | 39.8         | 164.4        | GGGG                               |                     |                      | 9                       | 11                     |
| 2483-14132        | 00000/0000                   | 2-20025/0707                         | 05/19/76         | 60             | 6733             | 6810N                        | 04851W        | 40.9         | 161.9        | GGGF                               |                     |                      | 9                       | 12                     |
| 2483-14134        | 00000/0000                   | 2-20025/0708                         | 05/19/76         | 60             | 6733             | 6651N                        | 05030W        | 41.9         | 159.6        | GGGG                               |                     |                      | 9                       | 13                     |
| 2483-14141        | 00000/0000                   | 2-20025/0709                         | 05/19/76         | 50             | 6733             | 6530N                        | 05159W        | 43.0         | 157.4        | GGGG                               |                     |                      | 9                       | 14                     |
| 2483-14184        | 00000/0000                   | 2-20025/0902                         | 05/19/76         | 90             | 6733             | 5015N                        | 06224W        | 53.0         | 135.4        | GGGG                               |                     |                      | 9                       | 25                     |
| 2483-14191        | 00000/0000                   | 2-20025/0903                         | 05/19/76         | 90             | 6733             | 4850N                        | 06302W        | 53.7         | 133.3        | GGGG                               |                     |                      | 9                       | 26                     |
| 2483-14200        | 00000/0000                   | 2-20025/0904                         | 05/19/76         | 60             | 6733             | 4559N                        | 06414W        | 55.1         | 129.0        | GGGG                               |                     |                      | 9                       | 28                     |
| 2483-14202        | 00000/0000                   | 2-20025/0905                         | 05/19/76         | 90             | 6733             | 4434N                        | 06447W        | 55.7         | 126.7        | GGGG                               |                     |                      | 9                       | 29                     |
| 2483-14205        | 00000/0000                   | 2-20025/0906                         | 05/19/76         | 80             | 6733             | 4309N                        | 06519W        | 56.3         | 124.4        | GGGG                               |                     |                      | 9                       | 30                     |
| 2483-14214        | 00000/0000                   | 2-20025/0907                         | 05/19/76         | 90             | 6733             | 4019N                        | 06620W        | 57.3         | 119.7        | GGGG                               |                     |                      | 9                       | 32                     |
| 2483-14220        | 00000/0000                   | 2-20025/0908                         | 05/19/76         | 90             | 6733             | 3833N                        | 06648W        | 57.7         | 117.3        | GGGG                               |                     |                      | 9                       | 33                     |
| 2483-14223        | 00000/0000                   | 2-20025/0909                         | 05/19/76         | 80             | 6733             | 3727N                        | 06717W        | 58.0         | 114.8        | GGGG                               |                     |                      | 9                       | 34                     |
| 2483-14225        | 00000/0000                   | 2-20025/0910                         | 05/19/76         | 70             | 6733             | 3602N                        | 06744W        | 58.4         | 112.3        | GGGG                               |                     |                      | 9                       | 35                     |
| 2483-14232        | 00000/0000                   | 2-20025/0911                         | 05/19/76         | 80             | 6733             | 3436N                        | 06812W        | 58.6         | 109.7        | GGGG                               |                     |                      | 9                       | 36                     |
| 2483-14234        | 00000/0000                   | 2-20025/0912                         | 05/19/76         | 90             | 6733             | 3310N                        | 06835W        | 58.8         | 107.2        | GGGG                               |                     |                      | 9                       | 37                     |
| 2483-14241        | 00000/0000                   | 2-20025/0913                         | 05/19/76         | 90             | 6733             | 3144N                        | 06903W        | 58.9         | 104.6        | GGGG                               |                     |                      | 9                       | 38                     |
| 2483-14243        | 00000/0000                   | 2-20025/0914                         | 05/19/76         | 90             | 6733             | 3018N                        | 06928W        | 59.0         | 102.0        | GGGG                               |                     |                      | 9                       | 39                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NPN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | WICHFILM<br>POSITION<br>RBV | REFL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-----------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2483-14250        | 00000/0000                  | 2-20025/0915                | 05/19/76         | 50             | 6733            | 2852N                        | 06953W        | 59.0         | 99.4         | FGGG                  |                     |                      | 9                       | 40                     |
| 2483-14252        | 00000/0000                  | 2-20025/0916                | 05/19/76         | 20             | 6733            | 2726N                        | 07016W        | 59.0         | 96.9         | FFGG                  |                     |                      | 9                       | 41                     |
| 2483-14255        | 00000/0000                  | 2-20025/0917                | 05/19/76         | 20             | 6733            | 2559N                        | 07039W        | 58.9         | 94.3         | FFGG                  |                     |                      | 9                       | 42                     |
| 2483-14261        | 00000/0000                  | 2-20025/0918                | 05/19/76         | 20             | 6733            | 2443N                        | 07101W        | 58.7         | 91.8         | GG                    |                     |                      | 9                       | 43                     |
| 2483-14270        | 00000/0000                  | 2-20025/0910                | 05/19/76         | 30             | 6733            | 2141N                        | 07146W        | 58.1         | 86.9         | GGGG                  |                     | H                    | 9                       | 45                     |
| 2483-14273        | 00000/0000                  | 2-20025/0911                | 05/19/76         | 10             | 6733            | 2014N                        | 07208W        | 57.8         | 84.6         | FGGG                  |                     | H                    | 9                       | 46                     |
| 2483-16095        | 00000/0000                  | 2-20025/0990                | 05/19/76         | 80             | 6734            | 2304N                        | 09713W        | 58.4         | 89.2         | GGGG                  |                     |                      | 27                      | 44                     |
| 2483-16102        | 00000/0000                  | 2-20025/0991                | 05/19/76         | 70             | 6734            | 2138N                        | 09735W        | 58.1         | 86.8         | GGGG                  |                     |                      | 27                      | 45                     |
| 2483-17440        | 00000/0000                  | 2-20025/0919                | 05/19/76         | 100            | 6735            | 5424N                        | 11156W        | 50.6         | 141.4        | GGGG                  |                     |                      | 45                      | 22                     |
| 2483-17442        | 00000/0000                  | 2-20025/0920                | 05/19/76         | 70             | 6735            | 5300N                        | 11241W        | 51.5         | 139.4        | GGGG                  |                     |                      | 45                      | 23                     |
| 2483-17445        | 00000/0000                  | 2-20025/0921                | 05/19/76         | 30             | 6735            | 5136N                        | 11323W        | 52.3         | 137.3        | GGGG                  |                     |                      | 45                      | 24                     |
| 2483-17451        | 00000/0000                  | 2-20025/0922                | 05/19/76         | 40             | 6735            | 5011N                        | 11403W        | 53.0         | 135.3        | GGGG                  |                     |                      | 45                      | 25                     |
| 2483-21015        | 00000/0000                  | 2-20025/0992                | 05/19/76         | 80             | 6737            | 8012N                        | 10829W        | 28.5         | 210.2        | GGGG                  |                     |                      | 80                      | 1                      |
| 2483-21021        | 00000/0000                  | 2-20025/0993                | 05/19/76         | 50             | 6737            | 7931N                        | 11554W        | 29.7         | 202.5        | GGGG                  |                     |                      | 80                      | 2                      |
| 2483-21024        | 00000/0000                  | 2-20025/0994                | 05/19/76         | 50             | 6737            | 7842N                        | 12219W        | 30.9         | 195.8        | GGGG                  |                     |                      | 80                      | 3                      |
| 2483-21030        | 00000/0000                  | 2-20025/0995                | 05/19/76         | 30             | 6737            | 7746N                        | 12752W        | 32.0         | 189.9        | GGGG                  |                     |                      | 81                      | 4                      |
| 2483-21033        | 00000/0000                  | 2-20025/0996                | 05/19/76         | 30             | 6737            | 7644N                        | 13238W        | 33.2         | 184.8        | GGGG                  |                     |                      | 81                      | 5                      |
| 2483-21035        | 00000/0000                  | 2-20025/0997                | 05/19/76         | 50             | 6737            | 7547N                        | 13642W        | 34.3         | 180.4        | GGGG                  |                     |                      | 81                      | 6                      |
| 2483-21042        | 00000/0000                  | 2-20025/0998                | 05/19/76         | 100            | 6737            | 7427N                        | 14011W        | 35.4         | 176.5        | GGGG                  |                     |                      | 81                      | 7                      |
| 2483-21044        | 00000/0000                  | 2-20025/0999                | 05/19/76         | 100            | 6737            | 7315N                        | 14312W        | 36.6         | 173.0        | GGGG                  |                     |                      | 81                      | 8                      |
| 2483-21051        | 00000/0000                  | 2-20025/1000                | 05/19/76         | 100            | 6737            | 7201N                        | 14551W        | 37.7         | 169.8        | GGGG                  |                     |                      | 81                      | 9                      |
| 2483-23191        | 00000/0000                  | 2-20025/0912                | 05/19/76         | 0              | 6738            | 3300S                        | 14543E        | 22.7         | 44.6         | GGGG                  |                     |                      | 99                      | 83                     |
| 2484-02240        | 00000/0000                  | 2-20025/0913                | 05/20/76         | 0              | 6740            | 4142N                        | 11323E        | 56.9         | 121.9        | GGGG                  |                     |                      | 135                     | 31                     |
| 2484-02243        | 00000/0000                  | 2-20025/0914                | 05/20/76         | 10             | 6740            | 4016N                        | 11253E        | 57.3         | 119.5        | GGGG                  |                     |                      | 135                     | 32                     |
| 2484-02245        | 00000/0000                  | 2-20025/0915                | 05/20/76         | 40             | 6740            | 3851N                        | 11223E        | 57.7         | 117.1        | GGGG                  |                     |                      | 135                     | 33                     |
| 2484-02252        | 00000/0000                  | 2-20025/0916                | 05/20/76         | 30             | 6740            | 3725N                        | 11155E        | 58.1         | 114.6        | GGGG                  |                     |                      | 135                     | 34                     |
| 2484-02254        | 00000/0000                  | 2-20025/0917                | 05/20/76         | 10             | 6740            | 3559N                        | 11128E        | 58.4         | 112.1        | GGGG                  |                     |                      | 135                     | 35                     |
| 2484-02261        | 00000/0000                  | 2-20025/0918                | 05/20/76         | 50             | 6740            | 3434N                        | 11102E        | 58.7         | 109.5        | GGGG                  |                     |                      | 135                     | 36                     |
| 2484-05460        | 00000/0000                  | 2-20025/0962                | 05/20/76         | 90             | 6742            | 5713N                        | 06859E        | 49.0         | 145.2        | GGGG                  |                     |                      | 171                     | 20                     |
| 2484-05463        | 00000/0000                  | 2-20025/0963                | 05/20/76         | 90             | 6742            | 5549N                        | 06807E        | 49.8         | 143.3        | GGGG                  |                     |                      | 171                     | 21                     |
| 2484-05465        | 00000/0000                  | 2-20025/0964                | 05/20/76         | 70             | 6742            | 5425N                        | 06719E        | 50.7         | 141.3        | GGGG                  |                     |                      | 171                     | 22                     |
| 2484-05472        | 00000/0000                  | 2-20025/0965                | 05/20/76         | 50             | 6742            | 5301N                        | 06634E        | 51.5         | 139.3        | GGGG                  |                     |                      | 171                     | 23                     |
| 2484-05474        | 00000/0000                  | 2-20025/0966                | 05/20/76         | 40             | 6742            | 5136N                        | 06552E        | 52.3         | 137.3        | GGGG                  |                     |                      | 171                     | 24                     |
| 2484-05481        | 00000/0000                  | 2-20025/0967                | 05/20/76         | 10             | 6742            | 5011N                        | 06511E        | 53.1         | 135.2        | GGGG                  |                     |                      | 171                     | 25                     |
| 2484-05551        | 00000/0000                  | 2-20025/0968                | 05/20/76         | 10             | 6742            | 2555N                        | 05657E        | 58.9         | 94.0         | GGGG                  |                     |                      | 171                     | 42                     |
| 2484-07283        | 00000/0000                  | 2-20025/0940                | 05/20/76         | 20             | 6743            | 5959N                        | 04504E        | 47.1         | 149.1        | GGGG                  |                     |                      | 189                     | 18                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRIN<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|---------------|------------------------------|--------------|--------------|--------------|-------------------|-------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2484-07285        | 00000/0000                                     | 2-20025/0941     | 05/20/76       | 20            | 6743                         | 5836N        | 04406E       | 48.1         | 147.2             | GGGG                    |                     |                      | 189                     | 19                     |
| 2484-07292        | 00000/0000                                     | 2-20025/0942     | 05/20/76       | 90            | 6743                         | 5712N        | 04312E       | 49.0         | 145.2             | GGGG                    |                     |                      | 189                     | 20                     |
| 2484-07294        | 00000/0000                                     | 2-20025/0943     | 05/20/76       | 90            | 6743                         | 5549N        | 04221E       | 49.9         | 143.3             | GGGG                    |                     |                      | 189                     | 21                     |
| 2484-07301        | 00000/0000                                     | 2-20025/0944     | 05/20/76       | 80            | 6743                         | 5426N        | 04133E       | 50.7         | 141.3             | GGGG                    |                     |                      | 189                     | 22                     |
| 2484-07303        | 00000/0000                                     | 2-20025/0945     | 05/20/76       | 70            | 6743                         | 5301N        | 04048E       | 51.6         | 139.3             | GGGG                    |                     |                      | 189                     | 23                     |
| 2484-07310        | 00000/0000                                     | 2-20025/0946     | 05/20/76       | 40            | 6743                         | 5136N        | 04005E       | 52.4         | 137.2             | GGGG                    |                     |                      | 189                     | 24                     |
| 2484-07312        | 00000/0000                                     | 2-20025/0947     | 05/20/76       | 20            | 6743                         | 5011N        | 03925E       | 53.1         | 135.2             | GGGG                    |                     |                      | 189                     | 25                     |
| 2484-07315        | 00000/0000                                     | 2-20025/0948     | 05/20/76       | 10            | 6743                         | 4847N        | 03846E       | 53.9         | 133.1             | GGGG                    |                     |                      | 189                     | 26                     |
| 2484-07321        | 00000/0000                                     | 2-20025/0949     | 05/20/76       | 10            | 6743                         | 4722N        | 03809E       | 54.6         | 130.9             | GGGG                    |                     |                      | 189                     | 27                     |
| 2484-07324        | 00000/0000                                     | 2-20025/0950     | 05/20/76       | 10            | 6743                         | 4537N        | 03734E       | 55.2         | 128.7             | GGGG                    |                     |                      | 189                     | 28                     |
| 2484-07330        | 00000/0000                                     | 2-20025/0951     | 05/20/76       | 20            | 6743                         | 4432N        | 03700E       | 55.8         | 126.5             | GGGG                    |                     |                      | 189                     | 29                     |
| 2484-09253        | 00000/0000                                     | 2-20025/0952     | 05/20/76       | 10            | 6744                         | 1259N        | 00205E       | 55.2         | 73.5              | GGGG                    |                     |                      | 207                     | 51                     |
| 2484-09255        | 00000/0000                                     | 2-20025/0953     | 05/20/76       | 10            | 6744                         | 1132N        | 00144E       | 54.6         | 71.6              | GGGF                    |                     |                      | 207                     | 52                     |
| 2484-09262        | 00000/0000                                     | 2-20025/0954     | 05/20/76       | 30            | 6744                         | 1006N        | 00124E       | 53.9         | 69.7              | GGGG                    |                     |                      | 207                     | 53                     |
| 2484-10484        | 00000/0000                                     | 2-20025/0955     | 05/20/76       | 20            | 6745                         | 7840N        | 03055E       | 31.0         | 195.6             | GGGG                    |                     |                      | 225                     | 3                      |
| 2484-10491        | 00000/0000                                     | 2-20025/0956     | 05/20/76       | 10            | 6745                         | 7743N        | 02525E       | 32.2         | 189.7             | GGGG                    |                     |                      | 225                     | 4                      |
| 2484-10493        | 00000/0000                                     | 2-20025/0957     | 05/20/76       | 30            | 6745                         | 7641N        | 02043E       | 33.3         | 184.7             | GGGG                    |                     |                      | 225                     | 5                      |
| 2484-10500        | 00000/0000                                     | 2-20025/0958     | 05/20/76       | 90            | 6745                         | 7535N        | 01640E       | 34.5         | 180.2             | GGGG                    |                     |                      | 225                     | 6                      |
| 2484-12311        | 00000/0000                                     | 2-20025/0959     | 05/20/76       | 60            | 6746                         | 8012N        | 01905E       | 28.7         | 210.2             | GGGG                    |                     |                      | 242                     | 1                      |
| 2484-12313        | 00000/0000                                     | 2-20025/0960     | 05/20/76       | 70            | 6746                         | 7932N        | 01140E       | 29.8         | 202.5             | GGGG                    |                     |                      | 242                     | 2                      |
| 2484-12320        | 00000/0000                                     | 2-20025/0961     | 05/20/76       | 50            | 6746                         | 7842N        | 00514E       | 31.0         | 195.8             | GGGG                    |                     |                      | 242                     | 3                      |
| 2484-14142        | 00000/0000                                     | 2-20025/0972     | 05/20/76       | 10            | 6747                         | 8012N        | 00644W       | 28.7         | 210.1             | GGGF                    |                     |                      | 9                       | 1                      |
| 2484-14145        | 00000/0000                                     | 2-20025/0973     | 05/20/76       | 20            | 6747                         | 7931N        | 01409W       | 29.9         | 202.5             | GGGF                    |                     |                      | 9                       | 2                      |
| 2484-14151        | 00000/0000                                     | 2-20025/0974     | 05/20/76       | 20            | 6747                         | 7841N        | 02035W       | 31.0         | 195.8             | GGGF                    |                     |                      | 10                      | 3                      |
| 2484-14174        | 00000/0000                                     | 2-20025/0975     | 05/20/76       | 100           | 6747                         | 7202N        | 04405W       | 37.8         | 169.8             | GGGF                    |                     |                      | 10                      | 9                      |
| 2484-14181        | 00000/0000                                     | 2-20025/0976     | 05/20/76       | 100           | 6747                         | 7045N        | 04625W       | 38.9         | 166.9             | GGGF                    |                     |                      | 10                      | 10                     |
| 2484-14183        | 00000/0000                                     | 2-20025/0977     | 05/20/76       | 80            | 6747                         | 6927N        | 04828W       | 40.0         | 164.3             | GGGF                    |                     |                      | 10                      | 11                     |
| 2484-14190        | 00000/0000                                     | 2-20025/0978     | 05/20/76       | 60            | 6747                         | 6809N        | 05018W       | 41.1         | 161.8             | GGGF                    |                     |                      | 10                      | 12                     |
| 2484-14192        | 00000/0000                                     | 2-20025/0979     | 05/20/76       | 10            | 6747                         | 6649N        | 05157W       | 42.1         | 159.5             | GGGF                    |                     |                      | 10                      | 13                     |
| 2484-14242        | 00000/0000                                     | 2-20025/1087     | 05/20/76       | 100           | 6747                         | 5013N        | 06351W       | 53.2         | 135.2             | GGFF                    |                     |                      | 10                      | 25                     |
| 2484-14245        | 00000/0000                                     | 2-20025/1088     | 05/20/76       | 60            | 6747                         | 4849N        | 06429W       | 53.9         | 133.1             | GGFG                    |                     |                      | 10                      | 26                     |
| 2484-14265        | 00000/0000                                     | 2-20025/1089     | 05/20/76       | 90            | 6747                         | 4144N        | 06716W       | 56.9         | 121.8             | GGFG                    |                     |                      | 10                      | 31                     |
| 2484-14272        | 00000/0000                                     | 2-20025/1090     | 05/20/76       | 70            | 6747                         | 4018N        | 06745W       | 57.4         | 119.4             | GGGG                    |                     |                      | 10                      | 32                     |
| 2484-14274        | 00000/0000                                     | 2-20025/1091     | 05/20/76       | 20            | 6747                         | 3853N        | 06815W       | 57.8         | 116.9             | GGGG                    |                     |                      | 10                      | 33                     |
| 2484-14281        | 00000/0000                                     | 2-20025/1092     | 05/20/76       | 20            | 6747                         | 3727N        | 06843W       | 58.2         | 114.4             | GGGG                    |                     |                      | 10                      | 34                     |
| 2484-14283        | 00000/0000                                     | 2-20025/1093     | 05/20/76       | 20            | 6747                         | 3601N        | 06910W       | 58.5         | 111.9             | GGGG                    |                     |                      | 10                      | 35                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
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FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2484-14290        | 00000/0000                   | 2-20025/1094                | 05/20/76         | 30             | 6747            | 3436N                        | 06937W        | 58.7         | 109.4        | GGGG                               |                     |                      | 10                      | 36                     |
| 2484-14292        | 00000/0000                   | 2-20025/1095                | 05/20/76         | 10             | 6747            | 3309N                        | 07003W        | 58.9         | 106.8        | GGGG                               |                     |                      | 10                      | 37                     |
| 2484-14295        | 00000/0000                   | 2-20025/1096                | 05/20/76         | 0              | 6747            | 3143N                        | 07029W        | 59.0         | 104.2        | GGGG                               |                     |                      | 10                      | 38                     |
| 2484-14301        | 00000/0000                   | 2-20025/1097                | 05/20/76         | 10             | 6747            | 3017N                        | 07054W        | 59.1         | 101.6        | GGGF                               |                     |                      | 10                      | 39                     |
| 2484-14304        | 00000/0000                   | 2-20025/1098                | 05/20/76         | 50             | 6747            | 2851N                        | 07118W        | 59.1         | 99.0         | GGGG                               |                     |                      | 10                      | 40                     |
| 2484-14310        | 00000/0000                   | 2-20025/1099                | 05/20/76         | 50             | 6747            | 2725N                        | 07142W        | 59.0         | 96.5         | GGGG                               |                     |                      | 10                      | 41                     |
| 2484-14313        | 00000/0000                   | 2-20025/1100                | 05/20/76         | 20             | 6747            | 2558N                        | 07205W        | 58.9         | 93.9         | GGGG                               |                     |                      | 10                      | 42                     |
| 2484-14315        | 00000/0000                   | 2-20025/1101                | 05/20/76         | 20             | 6747            | 2432N                        | 07228W        | 58.7         | 91.4         | GGGG                               |                     |                      | 10                      | 43                     |
| 2484-14322        | 00000/0000                   | 2-20025/1102                | 05/20/76         | 10             | 6747            | 2306N                        | 07251W        | 58.5         | 88.9         | FGGG                               |                     |                      | 10                      | 44                     |
| 2484-16151        | 00000/0000                   | 2-20025/0771                | 05/20/76         | 70             | 6748            | 2433N                        | 09A15W        | 58.7         | 91.4         | GGGG                               |                     |                      | 28                      | 43                     |
| 2484-16154        | 00000/0000                   | 2-20025/0772                | 05/20/76         | 30             | 6748            | 2307N                        | 09A37W        | 58.5         | 88.9         | GGGG                               |                     |                      | 28                      | 44                     |
| 2484-16160        | 00000/0000                   | 2-20025/0773                | 05/20/76         | 40             | 6748            | 2140N                        | 09A00W        | 58.2         | 86.5         | GGGG                               |                     |                      | 28                      | 45                     |
| 2484-16163        | 00000/0000                   | 2-20025/0774                | 05/20/76         | 30             | 6748            | 2014N                        | 09A22W        | 57.8         | 84.1         | GGGG                               |                     |                      | 28                      | 46                     |
| 2484-16165        | 00000/0000                   | 2-20025/0775                | 05/20/76         | 30             | 6748            | 1847N                        | 09A44W        | 57.4         | 81.9         | GGGG                               |                     |                      | 28                      | 47                     |
| 2484-17492        | 00000/0000                   | 2-20025/0985                | 05/20/76         | 80             | 6749            | 5551N                        | 11233W        | 49.9         | 143.2        | GGG                                |                     |                      | 46                      | 21                     |
| 2484-17494        | 00000/0000                   | 2-20025/0986                | 05/20/76         | 70             | 6749            | 5427N                        | 11320W        | 50.8         | 141.3        | GGGG                               |                     |                      | 46                      | 22                     |
| 2484-17501        | 00000/0000                   | 2-20025/0987                | 05/20/76         | 90             | 6749            | 5302N                        | 11405W        | 51.6         | 139.2        | GGGG                               |                     |                      | 46                      | 23                     |
| 2484-17503        | 00000/0000                   | 2-20025/0988                | 05/20/76         | 100            | 6749            | 5138N                        | 11447W        | 52.4         | 137.2        | GGGG                               |                     |                      | 46                      | 24                     |
| 2484-17510        | 00000/0000                   | 2-20025/0989                | 05/20/76         | 100            | 6749            | 5013N                        | 11528W        | 53.2         | 135.1        | GGGG                               |                     |                      | 46                      | 25                     |
| 2484-21073        | 00000/0000                   | 2-20025/1213                | 05/20/76         | 80             | 6751            | 8011N                        | 11003W        | 28.8         | 210.1        | FGGG                               |                     |                      | 81                      | 1                      |
| 2484-21075        | 00000/0000                   | 2-20025/1214                | 05/20/76         | 40             | 6751            | 7930N                        | 11728W        | 29.9         | 202.4        | GGGG                               |                     |                      | 81                      | 2                      |
| 2484-21082        | 00000/0000                   | 2-20025/1215                | 05/20/76         | 20             | 6751            | 7841N                        | 12354W        | 31.1         | 195.7        | GGGG                               |                     |                      | 82                      | 3                      |
| 2484-21084        | 00000/0000                   | 2-20025/1216                | 05/20/76         | 10             | 6751            | 7745N                        | 12925W        | 32.3         | 189.9        | GGGG                               |                     |                      | 82                      | 4                      |
| 2484-21091        | 00000/0000                   | 2-20025/1217                | 05/20/76         | 20             | 6751            | 7643N                        | 13408W        | 33.4         | 184.8        | GGGG                               |                     |                      | 82                      | 5                      |
| 2484-21093        | 00000/0000                   | 2-20025/1218                | 05/20/76         | 80             | 6751            | 7537N                        | 13A11W        | 34.5         | 180.3        | GGGG                               |                     |                      | 82                      | 6                      |
| 2484-21100        | 00000/0000                   | 2-20025/1219                | 05/20/76         | 100            | 6751            | 7428N                        | 14141W        | 35.7         | 176.4        | GGFG                               |                     |                      | 82                      | 7                      |
| 2484-21102        | 00000/0000                   | 2-20025/1220                | 05/20/76         | 100            | 6751            | 7315N                        | 14443W        | 36.8         | 172.9        | GGGG                               |                     |                      | 82                      | 8                      |
| 2484-21105        | 00000/0000                   | 2-20025/1221                | 05/20/76         | 100            | 6751            | 7201N                        | 14721W        | 37.9         | 169.8        | GGGG                               |                     |                      | 82                      | 9                      |
| 2485-02301        | 00000/0000                   | 2-20025/0980                | 05/21/76         | 0              | 6754            | 4016N                        | 11126E        | 57.5         | 119.2        | FGGG                               |                     |                      | 136                     | 32                     |
| 2485-02304        | 00000/0000                   | 2-20025/0981                | 05/21/76         | 0              | 6754            | 3811N                        | 11057E        | 57.9         | 116.7        | GGGG                               |                     |                      | 136                     | 33                     |
| 2485-02310        | 00000/0000                   | 2-20025/0982                | 05/21/76         | 10             | 6754            | 3725N                        | 11029E        | 58.2         | 114.2        | GGGG                               |                     |                      | 136                     | 34                     |
| 2485-02313        | 00000/0000                   | 2-20025/0983                | 05/21/76         | 10             | 6754            | 3559N                        | 11002E        | 58.5         | 111.7        | GGGF                               |                     |                      | 136                     | 35                     |
| 2485-02315        | 00000/0000                   | 2-20025/0984                | 05/21/76         | 80             | 6754            | 3433N                        | 10936E        | 58.8         | 109.1        | GGGF                               |                     |                      | 136                     | 36                     |
| 2485-04094        | 00000/0000                   | 2-20025/0969                | 05/21/76         | 90             | 6755            | 5300N                        | 09058E        | 51.7         | 139.1        | GGGG                               |                     |                      | 154                     | 23                     |
| 2485-04121        | 00000/0000                   | 2-20025/0970                | 05/21/76         | 10             | 6755            | 4431N                        | 08711E        | 55.9         | 126.2        | GGGG                               |                     |                      | 154                     | 29                     |
| 2485-04124        | 00000/0000                   | 2-20025/0971                | 05/21/76         | 10             | 6755            | 4306N                        | 08639E        | 56.5         | 123.9        | GGGG                               |                     |                      | 154                     | 30                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANKS)=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF<br>LAT | PRINT<br>IMAGE<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA | MSS<br>MSS<br>IMAGE | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------|------------------------|--------------|--------------|-------------------|--------------------|---------------------|-------------------------|------------------------|
|                   |                                                |                  |                |                        |                        |                        |              |              | 123 45678         | MODE               | GAIN                |                         |                        |
| 2485-05521        | 00000/0000                                     | 2-20025/1022     | 05/21/76       | 80                     | 6756                   | 5548N                  | 06640E       | 50.0 143.1   | GGGG              |                    |                     | 172                     | 21                     |
| 2485-05523        | 00000/0000                                     | 2-20025/1023     | 05/21/76       | 90                     | 6756                   | 5424N                  | 06553E       | 50.9 141.1   | GGGG              |                    |                     | 172                     | 22                     |
| 2485-05530        | 00000/0000                                     | 2-20025/1001     | 05/21/76       | 80                     | 6756                   | 5300N                  | 06508E       | 51.7 139.1   | G GG              |                    |                     | 172                     | 23                     |
| 2485-05535        | 00000/0000                                     | 2-20025/1024     | 05/21/76       | 30                     | 6756                   | 5011N                  | 06345E       | 53.3 135.0   | GGGG              |                    |                     | 172                     | 25                     |
| 2485-05573        | 00000/0000                                     | 2-20025/1025     | 05/21/76       | 10                     | 6756                   | 3703N                  | 05851E       | 58.2 114.2   | GGGG              |                    |                     | 172                     | 34                     |
| 2485-07350        | 00000/0000                                     | 2-20025/1026     | 05/21/76       | 70                     | 6757                   | 5711N                  | 04144E       | 49.2 145.1   | FGGG              |                    |                     | 190                     | 20                     |
| 2485-07352        | 00000/0000                                     | 2-20025/1027     | 05/21/76       | 90                     | 6757                   | 5548N                  | 04054E       | 50.1 143.1   | GGGG              |                    |                     | 190                     | 21                     |
| 2485-07355        | 00000/0000                                     | 2-20025/1028     | 05/21/76       | 90                     | 6757                   | 5424N                  | 04006E       | 50.9 141.1   | GGGG              |                    |                     | 190                     | 22                     |
| 2485-07361        | 00000/0000                                     | 2-20025/1029     | 05/21/76       | 90                     | 6757                   | 5300N                  | 03921E       | 51.7 139.1   | FGGG              |                    |                     | 190                     | 23                     |
| 2485-07364        | 00000/0000                                     | 2-20025/1030     | 05/21/76       | 90                     | 6757                   | 5135N                  | 03839E       | 52.5 137.0   | GGGG              |                    |                     | 190                     | 24                     |
| 2485-07370        | 00000/0000                                     | 2-20025/1031     | 05/21/76       | 80                     | 6757                   | 5011N                  | 03758E       | 53.3 135.0   | GGGF              |                    |                     | 190                     | 25                     |
| 2485-07373        | 00000/0000                                     | 2-20025/1002     | 05/21/76       | 70                     | 6757                   | 4846N                  | 03719E       | 54.0 132.8   | FGFG              |                    |                     | 190                     | 26                     |
| 2485-07375        | 00000/0000                                     | 2-20025/1003     | 05/21/76       | 30                     | 6757                   | 4701N                  | 03643E       | 54.7 130.7   | FGGG              |                    |                     | 190                     | 27                     |
| 2485-07382        | 00000/0000                                     | 2-20025/1004     | 05/21/76       | 10                     | 6757                   | 4556N                  | 03608E       | 55.4 128.5   | FGGF              |                    |                     | 190                     | 28                     |
| 2485-07384        | 00000/0000                                     | 2-20025/1005     | 05/21/76       | 20                     | 6757                   | 4421N                  | 03534E       | 56.0 126.2   | FFFF              |                    |                     | 190                     | 29                     |
| 2485-09302        | 00000/0000                                     | 2-20025/1006     | 05/21/76       | 80                     | 6758                   | 1544N                  | 00121E       | 56.4 77.2    | FGGG              |                    |                     | 208                     | 49                     |
| 2485-09304        | 00000/0000                                     | 2-20025/1007     | 05/21/76       | 40                     | 6758                   | 1428N                  | 00100E       | 55.8 75.2    | GGGG              |                    |                     | 208                     | 50                     |
| 2485-10543        | 00000/0000                                     | 2-20025/1008     | 05/21/76       | 30                     | 6759                   | 7841N                  | 02938E       | 31.2 195.7   | FFGG              |                    |                     | 225                     | 3                      |
| 2485-10545        | 00000/0000                                     | 2-20025/1009     | 05/21/76       | 90                     | 6759                   | 7745N                  | 02407E       | 32.4 189.9   | GGGG              |                    |                     | 226                     | 4                      |
| 2485-10552        | 00000/0000                                     | 2-20025/1010     | 05/21/76       | 70                     | 6759                   | 7644N                  | 01922E       | 33.5 184.8   | GGGG              |                    |                     | 226                     | 5                      |
| 2485-10554        | 00000/0000                                     | 2-20025/1011     | 05/21/76       | 90                     | 6759                   | 7537N                  | 01518E       | 34.6 180.3   | GGGF              |                    |                     | 226                     | 6                      |
| 2485-12365        | 00000/0000                                     | 2-20025/1012     | 05/21/76       | 40                     | 6760                   | 8012N                  | 01733E       | 28.9 210.1   | GGGG              |                    |                     | 243                     | 1                      |
| 2485-12372        | 00000/0000                                     | 2-20025/1013     | 05/21/76       | 50                     | 6760                   | 7911N                  | 01009E       | 30.1 202.4   | GGGG              |                    |                     | 243                     | 2                      |
| 2485-12374        | 00000/0000                                     | 2-20025/1014     | 05/21/76       | 90                     | 6760                   | 7842N                  | 00343E       | 31.2 195.7   | GGGP              |                    |                     | 244                     | 3                      |
| 2485-12381        | 00000/0000                                     | 2-20025/1015     | 05/21/76       | 80                     | 6760                   | 7745N                  | 00148W       | 32.4 189.9   | FFGG              |                    |                     | 244                     | 4                      |
| 2485-12383        | 00000/0000                                     | 2-20025/1016     | 05/21/76       | 60                     | 6760                   | 7644N                  | 00633W       | 33.5 184.8   | GGGG              |                    |                     | 244                     | 5                      |
| 2485-13115        | 00000/0000                                     | 2-20025/1017     | 05/21/76       | 10                     | 6760                   | 3549S                  | 06308W       | 20.0 44.2    | FFFF              |                    |                     | 244                     | 85                     |
| 2485-14201        | 00000/0000                                     | 2-20025/1018     | 05/21/76       | 10                     | 6761                   | 8011N                  | 00814W       | 28.9 210.0   | GGGG              |                    |                     | 10                      | 1                      |
| 2485-14203        | 00000/0000                                     | 2-20025/1019     | 05/21/76       | 10                     | 6761                   | 7930N                  | 01538W       | 30.1 202.4   | GGFF              |                    |                     | 10                      | 2                      |
| 2485-14210        | 00000/0000                                     | 2-20025/1020     | 05/21/76       | 20                     | 6761                   | 7841N                  | 02204W       | 31.2 195.7   | GGGG              |                    |                     | 11                      | 3                      |
| 2485-14224        | 00000/0000                                     | 2-20025/1021     | 05/21/76       | 100                    | 6761                   | 7427N                  | 03953W       | 35.8 176.4   | GGFG              |                    |                     | 11                      | 7                      |
| 2485-14233        | 00000/0000                                     | 2-20025/0849     | 05/21/76       | 40                     | 6761                   | 7200N                  | 04533W       | 38.0 169.7   | GFFF              |                    |                     | 11                      | 9                      |
| 2485-14235        | 00000/0000                                     | 2-20025/0850     | 05/21/76       | 50                     | 6761                   | 7044N                  | 04752W       | 39.1 166.9   | GFFF              |                    |                     | 11                      | 10                     |
| 2485-14242        | 00000/0000                                     | 2-20025/0851     | 05/21/76       | 60                     | 6761                   | 6927N                  | 04955W       | 40.2 164.2   | GGFF              |                    |                     | 11                      | 11                     |
| 2485-14244        | 00000/0000                                     | 2-20025/0852     | 05/21/76       | 30                     | 6761                   | 6838N                  | 05145W       | 41.3 161.7   | GGFF              |                    |                     | 11                      | 12                     |
| 2485-14251        | 00000/0000                                     | 2-20025/0853     | 05/21/76       | 40                     | 6761                   | 6648N                  | 05324W       | 42.3 159.4   | GGFG              |                    |                     | 11                      | 13                     |

KEYS: CLOUD COVER ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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KEYS: CLOUD COVER: ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA<br>MODE | MSS<br>MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|----------------------------|-----------------------------|-------------------------|------------------------|
| 2486-02362        | 00000/0000                                     | 2-20025/0859     | 05/22/76       | 10              | 6768                               | 3850N                               | 10931E       | 58.0         | 116.4             | GGGF                       |                             | 137                     | 33                     |
| 2486-02364        | 00000/0000                                     | 2-20025/0860     | 05/22/76       | 10              | 6768                               | 3724N                               | 10903E       | 58.3         | 113.9             | GGGF                       |                             | 137                     | 34                     |
| 2486-02371        | 00000/0000                                     | 2-20025/0861     | 05/22/76       | 10              | 6768                               | 3559N                               | 10836E       | 58.6         | 111.3             | GGGF                       |                             | 137                     | 35                     |
| 2486-02373        | 00000/0000                                     | 2-20025/0862     | 05/22/76       | 10              | 6768                               | 3433N                               | 10810E       | 58.9         | 108.8             | GGGF                       |                             | 137                     | 36                     |
| 2486-02380        | 00000/0000                                     | 2-20025/0863     | 05/22/76       | 50              | 6768                               | 3307N                               | 10744E       | 59.0         | 106.2             | FGGG                       |                             | 137                     | 37                     |
| 2486-04141        | 00000/0000                                     | 2-20025/1032     | 05/22/76       | 70              | 6769                               | 5712N                               | 09155E       | 49.3         | 144.9             | GGGG                       |                             | 155                     | 20                     |
| 2486-04144        | 00000/0000                                     | 2-20025/1033     | 05/22/76       | 70              | 6769                               | 5547N                               | 09174E       | 50.2         | 143.0             | GGGG                       |                             | 155                     | 21                     |
| 2486-04150        | 00000/0000                                     | 2-20025/1034     | 05/22/76       | 80              | 6769                               | 5423N                               | 09016E       | 51.1         | 141.0             | GGGG                       |                             | 155                     | 22                     |
| 2486-04153        | 00000/0000                                     | 2-20025/1035     | 05/22/76       | 90              | 6769                               | 5259N                               | 08931E       | 51.9         | 138.9             | GGGG                       |                             | 155                     | 23                     |
| 2486-05570        | 00000/0000                                     | 2-20025/1074     | 05/22/76       | 0               | 6770                               | 5835N                               | 06701E       | 48.4         | 146.9             | GGGG                       |                             | 173                     | 19                     |
| 2486-05573        | 00000/0000                                     | 2-20025/1075     | 05/22/76       | 10              | 6770                               | 5712N                               | 06607E       | 49.3         | 144.9             | GGGG                       |                             | 173                     | 20                     |
| 2486-05575        | 00000/0000                                     | 2-20025/1076     | 05/22/76       | 20              | 6770                               | 5548N                               | 06517E       | 50.2         | 142.9             | GGGG                       |                             | 173                     | 21                     |
| 2486-05582        | 00000/0000                                     | 2-20025/1077     | 05/22/76       | 30              | 6770                               | 5424N                               | 06429E       | 51.1         | 140.9             | GGGG                       |                             | 173                     | 22                     |
| 2486-05584        | 00000/0000                                     | 2-20025/1078     | 05/22/76       | 100             | 6770                               | 5259N                               | 06343E       | 51.9         | 138.9             | GGFG                       |                             | 173                     | 23                     |
| 2486-05591        | 00000/0000                                     | 2-20025/1079     | 05/22/76       | 90              | 6770                               | 5135N                               | 06300E       | 52.7         | 136.9             | GGGG                       |                             | 173                     | 24                     |
| 2486-05593        | 00000/0000                                     | 2-20025/1080     | 05/22/76       | 90              | 6770                               | 5010N                               | 06219E       | 53.5         | 134.8             | GGGG                       |                             | 173                     | 25                     |
| 2486-06041        | 00000/0000                                     | 2-20025/1081     | 05/22/76       | 20              | 6770                               | 3431N                               | 05632E       | 58.9         | 108.7             | GGGG                       |                             | 173                     | 36                     |
| 2486-07395        | 00000/0000                                     | 2-20025/1082     | 05/22/76       | 10              | 6771                               | 6001N                               | 04211E       | 47.5         | 149.0             | FGGG                       |                             | 191                     | 18                     |
| 2486-07402        | 00000/0000                                     | 2-20025/1083     | 05/22/76       | 10              | 6771                               | 5837N                               | 04113E       | 48.4         | 147.0             | FGGG                       |                             | 191                     | 19                     |
| 2486-07404        | 00000/0000                                     | 2-20025/1084     | 05/22/76       | 20              | 6771                               | 5714N                               | 04019E       | 49.3         | 145.0             | GGGG                       |                             | 191                     | 20                     |
| 2486-07411        | 00000/0000                                     | 2-20025/1085     | 05/22/76       | 50              | 6771                               | 5550N                               | 03928E       | 50.2         | 143.0             | GGGG                       |                             | 191                     | 21                     |
| 2486-07413        | 00000/0000                                     | 2-20025/1086     | 05/22/76       | 90              | 6771                               | 5426N                               | 03840E       | 51.1         | 141.0             | GGGG                       |                             | 191                     | 22                     |
| 2486-07420        | 00000/0000                                     | 2-20025/1052     | 05/22/76       | 90              | 6771                               | 5302N                               | 03755E       | 51.9         | 139.0             | GGGG                       |                             | 191                     | 23                     |
| 2486-07422        | 00000/0000                                     | 2-20025/1053     | 05/22/76       | 90              | 6771                               | 5138N                               | 03712E       | 52.7         | 136.9             | GGGG                       |                             | 191                     | 24                     |
| 2486-07425        | 00000/0000                                     | 2-20025/1054     | 05/22/76       | 90              | 6771                               | 5013N                               | 03632E       | 53.4         | 134.8             | FGGG                       |                             | 191                     | 25                     |
| 2486-07431        | 00000/0000                                     | 2-20025/1055     | 05/22/76       | 90              | 6771                               | 4849N                               | 03554E       | 54.2         | 132.7             | GGFG                       |                             | 191                     | 26                     |
| 2486-07434        | 00000/0000                                     | 2-20025/1056     | 05/22/76       | 70              | 6771                               | 4724N                               | 03517E       | 54.9         | 130.5             | GGGG                       |                             | 191                     | 27                     |
| 2486-07440        | 00000/0000                                     | 2-20025/1057     | 05/22/76       | 10              | 6771                               | 4559N                               | 03442E       | 55.5         | 128.3             | FFFG                       |                             | 191                     | 28                     |
| 2486-07443        | 00000/0000                                     | 2-20025/1058     | 05/22/76       | 10              | 6771                               | 4433N                               | 03408E       | 56.1         | 126.0             | FGGG                       |                             | 191                     | 29                     |
| 2486-09360        | 00000/0000                                     | 2-20025/1059     | 05/22/76       | 60              | 6772                               | 1533N                               | 00005W       | 56.4         | 76.9              | GGGG                       |                             | 209                     | 49                     |
| 2486-09363        | 00000/0000                                     | 2-20025/1060     | 05/22/76       | 30              | 6772                               | 1427N                               | 00026W       | 55.8         | 74.8              | GGGG                       |                             | 209                     | 50                     |
| 2486-09365        | 00000/0000                                     | 2-20025/1061     | 05/22/76       | 20              | 6772                               | 1301N                               | 00046W       | 55.1         | 72.8              | GGGG                       |                             | 209                     | 51                     |
| 2486-10594        | 00000/0000                                     | 2-20025/1062     | 05/22/76       | 80              | 6773                               | 7930N                               | 03434E       | 30.3         | 202.4             | GGGG                       |                             | 226                     | 2                      |
| 2486-11001        | 00000/0000                                     | 2-20025/1063     | 05/22/76       | 20              | 6773                               | 7840N                               | 02410E       | 31.4         | 195.7             | GGGG                       |                             | 227                     | 3                      |
| 2486-11003        | 00000/0000                                     | 2-20025/1064     | 05/22/76       | 20              | 6773                               | 7744N                               | 02238E       | 32.6         | 189.8             | GGGG                       |                             | 227                     | 4                      |
| 2486-11010        | 00000/0000                                     | 2-20025/1065     | 05/22/76       | 60              | 6773                               | 7643N                               | 01754E       | 33.7         | 184.7             | GGGG                       |                             | 227                     | 5                      |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANKS)=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NO./<br>DATE<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|--------------------------|------------------|----------------|-----------------|------------------------------------|--------------|--------------|-------------------|--------------|---------------------|----------------------|-------------------------|------------------------|
| 2486-11012        | 00000/0000                           | 2-20025/1066             | 05/22/76         | 90             | 6773            | 7537N                              | 01349E       | 34.9         | 180.3             | GGGG         |                     |                      | 227                     | 6                      |
| 2486-12423        | 00000/0000                           | 2-20025/1067             | 05/22/76         | 0              | 6774            | 8012N                              | 01559E       | 29.1         | 210.0             | GGGG         |                     |                      | 244                     | 1                      |
| 2486-12430        | 00000/0000                           | 2-20025/1068             | 05/22/76         | 10             | 6774            | 7931N                              | 00836E       | 30.3         | 202.3             | FGGG         |                     |                      | 244                     | 2                      |
| 2486-12432        | 00000/0000                           | 2-20025/1069             | 05/22/76         | 7              | 6774            | 7841N                              | 00211E       | 31.4         | 195.6             | GGGG         |                     |                      | 245                     | 3                      |
| 2486-12435        | 00000/0000                           | 2-20025/1070             | 05/22/76         | 10             | 6774            | 7745N                              | 00319W       | 32.6         | 189.8             | FGGG         |                     |                      | 245                     | 4                      |
| 2486-12441        | 00000/0000                           | 2-20025/1071             | 05/22/76         | 10             | 6774            | 7643N                              | 00802W       | 33.7         | 184.7             | GGGG         |                     |                      | 245                     | 5                      |
| 2486-12455        | 00000/0000                           | 2-20025/1072             | 05/22/76         | 0              | 6775            | 8011N                              | 00947W       | 29.1         | 209.9             | GGGG         |                     |                      | 11                      | 1                      |
| 2486-12462        | 00000/0000                           | 2-20025/1073             | 05/22/76         | 10             | 6775            | 7930N                              | 01709W       | 30.3         | 202.3             | FGGG         |                     |                      | 11                      | 2                      |
| 2486-14403        | 00000/0000                           | 2-20025/1231             | 05/22/76         | 20             | 6775            | 3433N                              | 07232W       | 58.9         | 108.6             | GGGG         |                     |                      | 12                      | 36                     |
| 2486-14405        | 00000/0000                           | 2-20025/1232             | 05/22/76         | 20             | 6775            | 3307N                              | 07257W       | 59.1         | 106.0             | GGGG         |                     |                      | 12                      | 37                     |
| 2486-14412        | 00000/0000                           | 2-20025/1233             | 05/22/76         | 30             | 6775            | 3142N                              | 07322W       | 59.2         | 103.4             | FFGG         |                     |                      | 12                      | 38                     |
| 2486-14414        | 00000/0000                           | 2-20025/1234             | 05/22/76         | 40             | 6775            | 3016N                              | 07347W       | 59.2         | 100.8             | GGGG         |                     |                      | 12                      | 39                     |
| 2486-14421        | 00000/0000                           | 2-20025/1235             | 05/22/76         | 60             | 6775            | 2849N                              | 07411W       | 59.2         | 98.2              | GGGG         |                     |                      | 12                      | 40                     |
| 2486-14423        | 00000/0000                           | 2-20025/1239             | 05/22/76         | 30             | 6775            | 2723N                              | 07435W       | 59.1         | 95.7              | GG           |                     |                      | 12                      | 41                     |
| 2486-14430        | 00000/0000                           | 2-20025/1236             | 05/22/76         | 50             | 6775            | 2567N                              | 07459W       | 59.0         | 93.1              | FGGG         |                     | M                    | 12                      | 42                     |
| 2486-14432        | 00000/0000                           | 2-20025/1237             | 05/22/76         | 70             | 6775            | 2431N                              | 07521W       | 58.8         | 90.6              | FFGG         |                     | M                    | 12                      | 43                     |
| 2486-14435        | 00000/0000                           | 2-20025/1238             | 05/22/76         | 50             | 6775            | 2305N                              | 07544W       | 58.5         | 88.1              | GGGG         |                     | M                    | 12                      | 44                     |
| 2486-16264        | 00000/0000                           | 2-20025/1240             | 05/22/76         | 10             | 6776            | 2432N                              | 10109W       | 58.8         | 90.6              | GGGG         |                     |                      | 30                      | 43                     |
| 2486-16270        | 00000/0000                           | 2-20025/1241             | 05/22/76         | 10             | 6776            | 2306N                              | 10132W       | 58.5         | 88.1              | GGGG         |                     |                      | 30                      | 44                     |
| 2486-16273        | 00000/0000                           | 2-20025/1242             | 05/22/76         | 10             | 6776            | 2138N                              | 10155W       | 58.2         | 85.7              | GGGG         |                     |                      | 30                      | 45                     |
| 2486-16275        | 00000/0000                           | 2-20025/1243             | 05/22/76         | 10             | 6776            | 2011N                              | 10217W       | 57.8         | 83.4              | GGGG         |                     |                      | 30                      | 46                     |
| 2486-16282        | 00000/0000                           | 2-20025/1244             | 05/22/76         | 20             | 6776            | 1845N                              | 10238W       | 57.4         | 81.1              | GGGG         |                     |                      | 30                      | 47                     |
| 2486-16284        | 00000/0000                           | 2-20025/1245             | 05/22/76         | 20             | 6776            | 1719N                              | 10300W       | 56.9         | 78.9              | GGFG         |                     |                      | 30                      | 48                     |
| 2486-16291        | 00000/0000                           | 2-20025/1246             | 05/22/76         | 40             | 6776            | 1552N                              | 10321W       | 56.3         | 76.7              | GGGG         |                     |                      | 30                      | 49                     |
| 2486-21185        | 00000/0000                           | 2-20026/0393             | 05/22/76         | 50             | 6779            | 8011N                              | 11313W       | 29.2         | 209.9             | GGGG         |                     |                      | 83                      | 1                      |
| 2486-23371        | 00000/0000                           | 2-20025/1185             | 05/22/76         | 10             | 6780            | 3551S                              | 14031E       | 19.7         | 44.0              | FGG          |                     |                      | 102                     | 85                     |
| 2486-23374        | 00000/0000                           | 2-20025/1186             | 05/22/76         | 20             | 6780            | 3715S                              | 14004E       | 18.5         | 44.0              | FGGG         |                     |                      | 102                     | 86                     |
| 2486-23380        | 00000/0000                           | 2-20025/1187             | 05/22/76         | 40             | 6780            | 3840S                              | 13937E       | 17.3         | 43.9              | GGGG         |                     |                      | 102                     | 87                     |
| 2487-01071        | 00000/0000                           | 2-20025/1188             | 05/23/76         | 20             | 6781            | 1005N                              | 12611E       | 53.7         | 68.9              | GGGG         |                     |                      | 120                     | 53                     |
| 2487-01073        | 00000/0000                           | 2-20025/1189             | 05/23/76         | 40             | 6781            | 0838N                              | 12549E       | 52.9         | 67.2              | GGGG         |                     |                      | 120                     | 54                     |
| 2487-01080        | 00000/0000                           | 2-20025/1190             | 05/23/76         | 70             | 6781            | 0712N                              | 12529E       | 52.2         | 65.5              | GGGG         |                     |                      | 120                     | 55                     |
| 2487-02375        | 00000/0000                           | 2-20025/1191             | 05/23/76         | 80             | 6782            | 5303N                              | 11355E       | 52.0         | 138.8             | GGGG         |                     |                      | 138                     | 23                     |
| 2487-02411        | 00000/0000                           | 2-20025/1192             | 05/23/76         | 0              | 6782            | 4143N                              | 10905E       | 57.3         | 121.1             | GGGG         |                     |                      | 138                     | 31                     |
| 2487-02414        | 00000/0000                           | 2-20025/1193             | 05/23/76         | 10             | 6782            | 4018N                              | 10835E       | 57.7         | 118.6             | GGFG         |                     |                      | 138                     | 32                     |
| 2487-02420        | 00000/0000                           | 2-20025/1194             | 05/23/76         | 20             | 6782            | 3853N                              | 10806E       | 58.1         | 116.2             | GGGG         |                     |                      | 138                     | 33                     |
| 2487-02423        | 00000/0000                           | 2-20025/1195             | 05/23/76         | 30             | 6782            | 3728N                              | 10738E       | 58.4         | 113.6             | FGGG         |                     |                      | 138                     | 34                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

PAGE 0253

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>R&V | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>R&V MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2487-02425        | 00000/0000                   | 2-20025/1196                | 05/23/76         | 20             | 6782                   | 3602N                        | 10711E        | 58.7         | 111.1        | FGGG                               |                     |                      | 138                     | 35                     |
| 2487-02432        | 00000/0000                   | 2-20025/1197                | 05/23/76         | 10             | 6782                   | 3436N                        | 10444E        | 58.9         | 108.5        | GGGG                               |                     |                      | 138                     | 36                     |
| 2487-02434        | 00000/0000                   | 2-20025/1198                | 05/23/76         | 10             | 6782                   | 3309N                        | 10418E        | 59.1         | 105.9        | GGGG                               |                     |                      | 138                     | 37                     |
| 2487-06031        | 00000/0000                   | 2-20025/1143                | 05/23/76         | 10             | 6784                   | 5713N                        | 06441E        | 49.5         | 144.9        | G                                  |                     |                      | 174                     | 20                     |
| 2487-06033        | 00000/0000                   | 2-20025/1125                | 05/23/76         | 70             | 6784                   | 5549N                        | 06350E        | 50.4         | 142.9        | FGGG                               |                     |                      | 174                     | 21                     |
| 2487-06040        | 00000/0000                   | 2-20025/1126                | 05/23/76         | 90             | 6784                   | 5425N                        | 06302E        | 51.2         | 140.8        | GGGG                               |                     |                      | 174                     | 22                     |
| 2487-06042        | 00000/0000                   | 2-20025/1127                | 05/23/76         | 100            | 6784                   | 5302N                        | 06217E        | 52.0         | 138.8        | GGGG                               |                     |                      | 174                     | 23                     |
| 2487-06045        | 00000/0000                   | 2-20025/1128                | 05/23/76         | 100            | 6784                   | 5137N                        | 06134E        | 52.8         | 136.7        | GGGG                               |                     |                      | 174                     | 24                     |
| 2487-06051        | 00000/0000                   | 2-20025/1129                | 05/23/76         | 90             | 6784                   | 5013N                        | 06054E        | 53.6         | 134.6        | GGGG                               |                     |                      | 174                     | 25                     |
| 2487-06090        | 00000/0000                   | 2-20025/1130                | 05/23/76         | 60             | 6784                   | 3725N                        | 05559E        | 58.5         | 113.6        | GGGG                               |                     |                      | 174                     | 34                     |
| 2487-06092        | 00000/0000                   | 2-20025/1131                | 05/23/76         | 70             | 6784                   | 3559N                        | 05532E        | 58.7         | 111.0        | GGGG                               |                     |                      | 174                     | 35                     |
| 2487-06095        | 00000/0000                   | 2-20025/1132                | 05/23/76         | 50             | 6784                   | 3433N                        | 05505E        | 59.0         | 108.4        | GGGG                               |                     |                      | 174                     | 36                     |
| 2487-06101        | 00000/0000                   | 2-20025/1133                | 05/23/76         | 20             | 6784                   | 3307N                        | 05440E        | 59.1         | 105.8        | GGGG                               |                     |                      | 174                     | 37                     |
| 2487-06104        | 00000/0000                   | 2-20025/1134                | 05/23/76         | 10             | 6784                   | 3142N                        | 05414E        | 59.2         | 103.2        | GGGG                               |                     |                      | 174                     | 38                     |
| 2487-06110        | 00000/0000                   | 2-20025/1135                | 05/23/76         | 10             | 6784                   | 3016N                        | 05350E        | 59.3         | 100.6        | GGGG                               |                     |                      | 174                     | 39                     |
| 2487-06113        | 00000/0000                   | 2-20025/1136                | 05/23/76         | 10             | 6784                   | 2850N                        | 05326E        | 59.2         | 98.0         | GGGG                               |                     |                      | 174                     | 40                     |
| 2487-07465        | 00000/0000                   | 2-20025/1103                | 05/23/76         | 10             | 6785                   | 5549N                        | 03400E        | 50.4         | 142.8        | GGG                                |                     |                      | 192                     | 21                     |
| 2487-07471        | 00000/0000                   | 2-20025/1104                | 05/23/76         | 10             | 6785                   | 5425N                        | 03712E        | 51.2         | 140.8        | GGG                                |                     |                      | 192                     | 22                     |
| 2487-07474        | 00000/0000                   | 2-20025/1105                | 05/23/76         | 30             | 6785                   | 5300N                        | 03427E        | 52.1         | 138.8        | GGG                                |                     |                      | 192                     | 23                     |
| 2487-07480        | 00000/0000                   | 2-20025/1106                | 05/23/76         | 70             | 6785                   | 5136N                        | 03544E        | 52.9         | 136.7        | PGGG                               |                     |                      | 192                     | 24                     |
| 2487-07483        | 00000/0000                   | 2-20025/1107                | 05/23/76         | 40             | 6785                   | 5012N                        | 03504E        | 53.6         | 134.6        | GGGG                               |                     |                      | 192                     | 25                     |
| 2487-07485        | 00000/0000                   | 2-20025/1108                | 05/23/76         | 30             | 6785                   | 4847N                        | 03426E        | 54.3         | 132.5        | GGGG                               |                     |                      | 192                     | 26                     |
| 2487-07492        | 00000/0000                   | 2-20025/1109                | 05/23/76         | 20             | 6785                   | 4722N                        | 03349E        | 55.0         | 130.3        | FGGG                               |                     |                      | 192                     | 27                     |
| 2487-07494        | 00000/0000                   | 2-20025/1110                | 05/23/76         | 60             | 6785                   | 4557N                        | 03314E        | 55.6         | 128.0        | GGGG                               |                     |                      | 192                     | 28                     |
| 2487-07565        | 00000/0000                   | 2-20025/1111                | 05/23/76         | 0              | 6785                   | 2139N                        | 02543E        | 58.2         | 85.5         | GGGG                               |                     |                      | 192                     | 45                     |
| 2487-07571        | 00000/0000                   | 2-20025/1112                | 05/23/76         | 0              | 6785                   | 2013N                        | 02521E        | 57.8         | 83.1         | FGGG                               |                     |                      | 192                     | 46                     |
| 2487-11053        | 00000/0000                   | 2-20025/1113                | 05/23/76         | 10             | 6787                   | 7929N                        | 03304E        | 30.5         | 202.3        | GGGG                               |                     |                      | 227                     | 2                      |
| 2487-11055        | 00000/0000                   | 2-20025/1114                | 05/23/76         | 40             | 6787                   | 7840N                        | 02641E        | 31.6         | 195.6        | GGGG                               |                     |                      | 228                     | 3                      |
| 2487-11062        | 00000/0000                   | 2-20025/1115                | 05/23/76         | 90             | 6787                   | 7743N                        | 02108E        | 32.8         | 189.7        | GGG                                |                     |                      | 228                     | 4                      |
| 2487-11064        | 00000/0000                   | 2-20025/1116                | 05/23/76         | 70             | 6787                   | 7641N                        | 01624E        | 33.9         | 184.6        | FGGG                               |                     |                      | 228                     | 5                      |
| 2487-11071        | 00000/0000                   | 2-20025/1117                | 05/23/76         | 80             | 6787                   | 7535N                        | 01221E        | 35.1         | 180.2        | GGGG                               |                     |                      | 228                     | 6                      |
| 2487-12482        | 00000/0000                   | 2-20025/1118                | 05/23/76         | 50             | 6788                   | 8011N                        | 01429E        | 29.3         | 209.9        | GGGG                               |                     |                      | 245                     | 1                      |
| 2487-12484        | 00000/0000                   | 2-20025/1119                | 05/23/76         | 90             | 6788                   | 7930N                        | 00706E        | 30.5         | 202.2        | GGGG                               |                     |                      | 246                     | 2                      |
| 2487-12491        | 00000/0000                   | 2-20025/1120                | 05/23/76         | 80             | 6788                   | 7840N                        | 00041E        | 31.6         | 195.5        | GGGG                               |                     |                      | 246                     | 3                      |
| 2487-12493        | 00000/0000                   | 2-20025/1121                | 05/23/76         | 90             | 6788                   | 7744N                        | 00449W        | 32.8         | 189.7        | GGGG                               |                     |                      | 246                     | 4                      |
| 2487-12500        | 00000/0000                   | 2-20025/1122                | 05/23/76         | 100            | 6788                   | 7642N                        | 00931W        | 33.9         | 184.6        | GGGG                               |                     |                      | 246                     | 5                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 29, 1977

LANOSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2487-13223        | 00000/0000 2-20025/1123                            | 05/23/76         | 100            | 6788            | 3259S 06508W                            | 22.1         | 44.2         | GGGG                  |                     |                      | 246                     | 83                     |
| 2487-14313        | 00000/0000 2-20025/1124                            | 05/23/76         | 80             | 6789            | 8010N 01115W                            | 29.3         | 209.8        | GGGG                  |                     |                      | 12                      | 1                      |
| 2487-14402        | 00000/0000 2-20025/1040                            | 05/23/76         | 90             | 6789            | 5425N 06603W                            | 51.3         | 140.7        | GGGG                  |                     |                      | 13                      | 22                     |
| 2487-14404        | 00000/0000 2-20025/1041                            | 05/23/76         | 90             | 6789            | 5301N 06647W                            | 52.1         | 138.7        | GGFG                  |                     |                      | 13                      | 23                     |
| 2487-14411        | 00000/0000 2-20025/1042                            | 05/23/76         | 100            | 6789            | 5136N 06730W                            | 52.9         | 136.6        | GGGF                  |                     |                      | 13                      | 24                     |
| 2487-14413        | 00000/0000 2-20025/1043                            | 05/23/76         | 90             | 6789            | 5011N 06810W                            | 53.7         | 134.5        | GGGG                  |                     |                      | 13                      | 25                     |
| 2487-14420        | 00000/0000 2-20025/1044                            | 05/23/76         | 90             | 6789            | 4846N 06848W                            | 54.4         | 132.4        | GGFG                  |                     |                      | 13                      | 26                     |
| 2487-14472        | 00000/0000 2-20025/1045                            | 05/23/76         | 90             | 6789            | 3015N 07514W                            | 59.3         | 100.4        | GGGG                  |                     |                      | 13                      | 39                     |
| 2487-14475        | 00000/0000 2-20025/1046                            | 05/23/76         | 90             | 6789            | 2849N 07538W                            | 59.2         | 97.8         | GGG                   |                     |                      | 13                      | 40                     |
| 2487-14481        | 00000/0000 2-20025/1047                            | 05/23/76         | 90             | 6789            | 2723N 07602W                            | 59.1         | 95.3         | GGFG                  |                     | H                    | 13                      | 41                     |
| 2487-14484        | 00000/0000 2-20025/1048                            | 05/23/76         | 80             | 6789            | 2557N 07625W                            | 59.0         | 92.7         | FFGF                  |                     | H                    | 13                      | 42                     |
| 2487-14490        | 00000/0000 2-20025/1049                            | 05/23/76         | 70             | 6789            | 2430N 07648W                            | 58.8         | 90.2         | GGGG                  |                     | H                    | 13                      | 43                     |
| 2487-14493        | 00000/0000 2-20025/1050                            | 05/23/76         | 60             | 6789            | 2303N 07710W                            | 58.5         | 87.7         | FGGG                  |                     | H                    | 13                      | 44                     |
| 2487-16233        | 00000/0000 2-20025/1036                            | 05/23/76         | 0              | 6790            | 5425N 09153W                            | 51.3         | 140.7        | FFF                   |                     |                      | 31                      | 22                     |
| 2487-16240        | 00000/0000 2-20025/1037                            | 05/23/76         | 0              | 6790            | 5301N 09238W                            | 52.1         | 138.7        | GGFG                  |                     |                      | 31                      | 23                     |
| 2487-16242        | 00000/0000 2-20025/1038                            | 05/23/76         | 0              | 6790            | 5136N 09320W                            | 52.9         | 136.6        | FGFG                  |                     |                      | 31                      | 24                     |
| 2487-16245        | 00000/0000 2-20025/1039                            | 05/23/76         | 0              | 6790            | 5012N 09400W                            | 53.7         | 134.5        | GGFF                  |                     |                      | 31                      | 25                     |
| 2487-16315        | 00000/0000 2-20025/1177                            | 05/23/76         | 10             | 6790            | 2557N 10213W                            | 59.0         | 92.7         | GGGG                  |                     |                      | 31                      | 42                     |
| 2487-16322        | 00000/0000 2-20025/1176                            | 05/23/76         | 0              | 6790            | 2431N 10236W                            | 58.8         | 90.2         | GGGG                  |                     |                      | 31                      | 43                     |
| 2487-16324        | 00000/0000 2-20025/1179                            | 05/23/76         | 0              | 6790            | 2304N 10259W                            | 58.5         | 87.7         | GGGG                  |                     |                      | 31                      | 44                     |
| 2487-16331        | 00000/0000 2-20025/1180                            | 05/23/76         | 0              | 6790            | 2177N 10321W                            | 58.2         | 85.3         | GGGG                  |                     |                      | 31                      | 45                     |
| 2487-16333        | 00000/0000 2-20025/1181                            | 05/23/76         | 10             | 6790            | 2011N 10343W                            | 57.8         | 83.0         | GGGG                  |                     |                      | 31                      | 46                     |
| 2487-16340        | 00000/0000 2-20025/1182                            | 05/23/76         | 10             | 6790            | 1844N 10405W                            | 57.3         | 80.7         | GGGG                  |                     |                      | 31                      | 47                     |
| 2487-16342        | 00000/0000 2-20025/1183                            | 05/23/76         | 30             | 6790            | 1718N 10426W                            | 56.8         | 78.5         | GGGG                  |                     |                      | 31                      | 48                     |
| 2487-16345        | 00000/0000 2-20025/1184                            | 05/23/76         | 40             | 6790            | 1552N 10447W                            | 56.3         | 76.4         | GGGG                  |                     |                      | 31                      | 49                     |
| 2487-18051        | 00000/0000 2-20025/1169                            | 05/23/76         | 10             | 6791            | 5959N 11406W                            | 47.8         | 148.7        | GGGG                  |                     |                      | 49                      | 18                     |
| 2487-18054        | 00000/0000 2-20025/1170                            | 05/23/76         | 10             | 6791            | 5835N 11505W                            | 48.7         | 146.7        | FGGG                  |                     |                      | 49                      | 19                     |
| 2487-18060        | 00000/0000 2-20025/1171                            | 05/23/76         | 20             | 6791            | 5712N 11600W                            | 49.6         | 144.7        | FGGG                  |                     |                      | 49                      | 20                     |
| 2487-18063        | 00000/0000 2-20025/1172                            | 05/23/76         | 10             | 6791            | 5548N 11651W                            | 50.5         | 142.7        | GGGG                  |                     |                      | 49                      | 21                     |
| 2487-18065        | 00000/0000 2-20025/1173                            | 05/23/76         | 30             | 6791            | 5424N 11739W                            | 51.3         | 140.7        | GGGG                  |                     |                      | 49                      | 22                     |
| 2487-18072        | 00000/0000 2-20025/1174                            | 05/23/76         | 90             | 6791            | 5300N 11824W                            | 52.1         | 138.7        | GGGG                  |                     |                      | 49                      | 23                     |
| 2487-18074        | 00000/0000 2-20025/1175                            | 05/23/76         | 80             | 6791            | 5176N 11906W                            | 52.9         | 136.6        | GGGG                  |                     |                      | 49                      | 24                     |
| 2487-18081        | 00000/0000 2-20025/1176                            | 05/23/76         | 90             | 6791            | 5011N 11947W                            | 53.7         | 134.5        | GGGG                  |                     |                      | 49                      | 25                     |
| 2487-19462        | 00000/0000 2-20025/0023                            | 05/23/76         | 30             | 6792            | 6646N 13346W                            | 42.8         | 159.2        | GGG                   |                     |                      | 67                      | 13                     |
| 2487-21280        | 00000/0000 2-20025/0024                            | 05/23/76         | 100            | 6793            | 7158N 15149W                            | 38.5         | 169.5        | GGGG                  |                     |                      | 85                      | 9                      |
| 2487-23425        | 00000/0000 2-20025/1199                            | 05/23/76         | 40             | 6794            | 3548S 13906E                            | 19.6         | 43.9         | GGGG                  |                     |                      | 103                     | 85                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 29, 177

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO.,<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2488-01111        | 00000/0000                                     | 2-20025/1200     | 05/24/76              | 60                                 | 6795                                | 15°3N        | 126°7E       | 56.3              | 76.3                    | GGGG                |                      | 121                     | 49                     |
| 2488-01113        | 00000/0000                                     | 2-20025/1201     | 05/24/76              | 60                                 | 6795                                | 14°6N        | 125°45E      | 55.7              | 74.3                    | GGGG                |                      | 121                     | 50                     |
| 2488-01120        | 00000/0000                                     | 2-20025/1202     | 05/24/76              | 60                                 | 6795                                | 13°1N        | 125°25E      | 55.1              | 72.3                    | GGGG                |                      | 121                     | 51                     |
| 2488-01122        | 00000/0000                                     | 2-20025/1203     | 05/24/76              | 60                                 | 6795                                | 11°4N        | 125°04E      | 54.4              | 70.4                    | GGGG                |                      | 121                     | 52                     |
| 2488-01125        | 00000/0000                                     | 2-20025/1204     | 05/24/76              | 50                                 | 6795                                | 10°7N        | 124°44E      | 53.7              | 68.6                    | GGGG                |                      | 121                     | 53                     |
| 2488-01131        | 00000/0000                                     | 2-20025/1205     | 05/24/76              | 40                                 | 6795                                | 08°1N        | 124°23E      | 52.9              | 66.9                    | GGGG                |                      | 121                     | 54                     |
| 2488-01134        | 00000/0000                                     | 2-20025/1206     | 05/24/76              | 40                                 | 6795                                | 07°1N        | 124°03E      | 52.1              | 65.3                    | GGGG                |                      | 121                     | 55                     |
| 2488-02433        | 00000/0000                                     | 2-20025/1207     | 05/24/76              | 70                                 | 6796                                | 5°30N        | 112°29E      | 52.2              | 138.6                   | GGGG                |                      | 139                     | 23                     |
| 2488-02465        | 00000/0000                                     | 2-20025/1208     | 05/24/76              | 0                                  | 6796                                | 4°12N        | 107°39E      | 57.4              | 120.8                   | GGGG                |                      | 139                     | 31                     |
| 2488-02472        | 00000/0000                                     | 2-20025/1209     | 05/24/76              | 0                                  | 6796                                | 4°16N        | 107°08E      | 57.8              | 118.3                   | GGGG                |                      | 139                     | 32                     |
| 2488-02474        | 00000/0000                                     | 2-20025/1210     | 05/24/76              | 10                                 | 6796                                | 3°51N        | 106°39E      | 58.2              | 115.8                   | GGGG                |                      | 139                     | 33                     |
| 2488-02481        | 00000/0000                                     | 2-20025/1211     | 05/24/76              | 30                                 | 6796                                | 3°26N        | 106°10E      | 58.5              | 113.3                   | GGGG                |                      | 139                     | 34                     |
| 2488-02483        | 00000/0000                                     | 2-20025/1212     | 05/24/76              | 50                                 | 6796                                | 3°01N        | 105°43E      | 58.8              | 110.7                   | GGGG                |                      | 139                     | 35                     |
| 2488-04251        | 00000/0000                                     | 2-20025/1137     | 05/24/76              | 90                                 | 6797                                | 5°36N        | 089°56E      | 48.7              | 146.7                   | GGGG                |                      | 157                     | 19                     |
| 2488-04254        | 00000/0000                                     | 2-20025/1138     | 05/24/76              | 100                                | 6797                                | 5°13N        | 089°03E      | 49.7              | 144.7                   | GGGG                |                      | 157                     | 20                     |
| 2488-04260        | 00000/0000                                     | 2-20025/1139     | 05/24/76              | 90                                 | 6797                                | 5°55N        | 088°12E      | 50.5              | 142.7                   | GGGG                |                      | 157                     | 21                     |
| 2488-04263        | 00000/0000                                     | 2-20025/1140     | 05/24/76              | 90                                 | 6797                                | 5°42N        | 087°23E      | 51.4              | 140.7                   | GGGG                |                      | 157                     | 22                     |
| 2488-04272        | 00000/0000                                     | 2-20025/1141     | 05/24/76              | 90                                 | 6797                                | 5°13N        | 085°55E      | 53.0              | 136.5                   | GGGG                |                      | 157                     | 24                     |
| 2488-04274        | 00000/0000                                     | 2-20025/1142     | 05/24/76              | 90                                 | 6797                                | 5°01N        | 085°15E      | 53.7              | 134.4                   | GGGG                |                      | 157                     | 25                     |
| 2488-06083        | 00000/0000                                     | 2-20025/1144     | 05/24/76              | 60                                 | 6798                                | 5°36N        | 064°09E      | 48.8              | 146.7                   | GGGG                |                      | 175                     | 19                     |
| 2488-06085        | 00000/0000                                     | 2-20025/1145     | 05/24/76              | 60                                 | 6798                                | 5°12N        | 063°15E      | 49.7              | 144.7                   | GGGG                |                      | 175                     | 20                     |
| 2488-06092        | 00000/0000                                     | 2-20025/1146     | 05/24/76              | 60                                 | 6798                                | 5°49N        | 062°24E      | 50.5              | 142.7                   | GGGG                |                      | 175                     | 21                     |
| 2488-06094        | 00000/0000                                     | 2-20025/1147     | 05/24/76              | 70                                 | 6798                                | 5°42N        | 061°37E      | 51.4              | 140.7                   | GGGG                |                      | 175                     | 22                     |
| 2488-06101        | 00000/0000                                     | 2-20025/1148     | 05/24/76              | 70                                 | 6798                                | 5°30N        | 060°51E      | 52.2              | 138.6                   | GGGG                |                      | 175                     | 23                     |
| 2488-06103        | 00000/0000                                     | 2-20025/1149     | 05/24/76              | 70                                 | 6798                                | 5°13N        | 060°09E      | 53.0              | 136.5                   | GGGG                |                      | 175                     | 24                     |
| 2488-06110        | 00000/0000                                     | 2-20025/1150     | 05/24/76              | 60                                 | 6798                                | 5°01N        | 059°28E      | 53.8              | 134.4                   | GGGG                |                      | 175                     | 25                     |
| 2488-06142        | 00000/0000                                     | 2-20025/1151     | 05/24/76              | 30                                 | 6798                                | 3°50N        | 055°02E      | 58.2              | 115.8                   | GGGG                |                      | 175                     | 33                     |
| 2488-06144        | 00000/0000                                     | 2-20025/1152     | 05/24/76              | 50                                 | 6798                                | 3°24N        | 054°33E      | 58.6              | 113.2                   | GGGG                |                      | 175                     | 34                     |
| 2488-06153        | 00000/0000                                     | 2-20025/1153     | 05/24/76              | 10                                 | 6798                                | 3°33N        | 053°40E      | 59.0              | 108.1                   | GGGG                |                      | 175                     | 36                     |
| 2488-06171        | 00000/0000                                     | 2-20025/1154     | 05/24/76              | 0                                  | 6798                                | 2°49N        | 052°00E      | 59.3              | 97.6                    | GGGG                |                      | 175                     | 40                     |
| 2488-07512        | 00000/0000                                     | 2-20025/1155     | 05/24/76              | 10                                 | 6799                                | 5°58N        | 039°16E      | 47.8              | 148.7                   | GGGG                |                      | 193                     | 18                     |
| 2488-07514        | 00000/0000                                     | 2-20025/1156     | 05/24/76              | 10                                 | 6799                                | 5°44N        | 038°18E      | 48.8              | 146.7                   | GGGG                |                      | 193                     | 19                     |
| 2488-07521        | 00000/0000                                     | 2-20025/1157     | 05/24/76              | 30                                 | 6799                                | 5°12N        | 037°24E      | 49.7              | 144.7                   | GGGG                |                      | 193                     | 20                     |
| 2488-07523        | 00000/0000                                     | 2-20025/1158     | 05/24/76              | 30                                 | 6799                                | 5°48N        | 036°33E      | 50.6              | 142.7                   | GGGG                |                      | 193                     | 21                     |
| 2488-07530        | 00000/0000                                     | 2-20025/1159     | 05/24/76              | 20                                 | 6799                                | 5°24N        | 035°45E      | 51.4              | 140.6                   | GGGG                |                      | 193                     | 22                     |
| 2488-07532        | 00000/0000                                     | 2-20025/1160     | 05/24/76              | 30                                 | 6799                                | 5°30N        | 035°00E      | 52.2              | 138.6                   | GGGG                |                      | 193                     | 23                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>123 | MSS<br>45678 | MSS<br>MODE | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|------------|--------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2488-07535        | 00000/0000                                     | 2-20025/1161     | 05/24/76              | 30                                 | 6799                                | 5135N        | 03418E       | 53.0              | 136.5      |              |             |                     |                      | 193                     | 24                     |
| 2488-07541        | 00000/0000                                     | 2-20025/1162     | 05/24/76              | 10                                 | 6799                                | 5011N        | 03338E       | 53.8              | 134.4      | GGGG         |             |                     |                      | 193                     | 25                     |
| 2488-07544        | 00000/0000                                     | 2-20025/1163     | 05/24/76              | 30                                 | 6799                                | 4846N        | 03300E       | 54.5              | 132.2      | GGGG         |             |                     |                      | 193                     | 26                     |
| 2488-07550        | 00000/0000                                     | 2-20025/1164     | 05/24/76              | 30                                 | 6799                                | 4721N        | 03223E       | 55.2              | 130.0      | GGGG         |             |                     |                      | 193                     | 27                     |
| 2488-07553        | 00000/0000                                     | 2-20025/1165     | 05/24/76              | 10                                 | 6799                                | 4556N        | 03148E       | 55.8              | 127.8      | GGGG         |             |                     |                      | 193                     | 28                     |
| 2488-08014        | 00000/0000                                     | 2-20025/1166     | 05/24/76              | 0                                  | 6799                                | 2430N        | 02501E       | 58.8              | 90.0       | GGGG         |             |                     |                      | 193                     | 43                     |
| 2488-08021        | 00000/0000                                     | 2-20025/1167     | 05/24/76              | 0                                  | 6799                                | 2304N        | 02439E       | 58.5              | 87.5       | GGGG         |             |                     |                      | 193                     | 44                     |
| 2488-08023        | 00000/0000                                     | 2-20025/1168     | 05/24/76              | 0                                  | 6799                                | 2138N        | 02417E       | 58.2              | 85.1       | GGGG         |             |                     |                      | 193                     | 45                     |
| 2488-08030        | 00000/0000                                     | 2-20026/0009     | 05/24/76              | 0                                  | 6799                                | 2012N        | 02356E       | 57.8              | 82.8       | FGGG         |             |                     |                      | 193                     | 46                     |
| 2488-09361        | 00000/0000                                     | 2-20026/0010     | 05/24/76              | 60                                 | 6800                                | 5424N        | 00958E       | 51.4              | 140.6      | GGG          |             |                     |                      | 211                     | 22                     |
| 2488-11111        | 00000/0000                                     | 2-20026/0011     | 05/24/76              | 90                                 | 6801                                | 7929N        | 03129E       | 30.7              | 202.2      | GGGG         |             |                     |                      | 229                     | 2                      |
| 2488-11113        | 00000/0000                                     | 2-20026/0012     | 05/24/76              | 90                                 | 6801                                | 7840N        | 02504E       | 31.8              | 195.5      | GGGG         |             |                     |                      | 229                     | 3                      |
| 2488-11120        | 00000/0000                                     | 2-20026/0013     | 05/24/76              | 90                                 | 6801                                | 7743N        | 01931E       | 33.0              | 189.6      | GGGG         |             |                     |                      | 229                     | 4                      |
| 2488-11122        | 00000/0000                                     | 2-20026/0014     | 05/24/76              | 100                                | 6801                                | 7641N        | 01447E       | 34.1              | 184.5      | GGGG         |             |                     |                      | 229                     | 5                      |
| 2488-11125        | 00000/0000                                     | 2-20026/0015     | 05/24/76              | 100                                | 6801                                | 7535N        | 01045E       | 35.3              | 180.1      | GGGG         |             |                     |                      | 229                     | 6                      |
| 2488-12540        | 00000/0000                                     | 2-20026/0016     | 05/24/76              | 90                                 | 6802                                | 8010N        | 01300E       | 29.5              | 209.7      | GGG          |             |                     |                      | 246                     | 1                      |
| 2488-12543        | 00000/0000                                     | 2-20026/0017     | 05/24/76              | 100                                | 6802                                | 7929N        | 00538E       | 30.7              | 202.1      | GGG          |             |                     |                      | 247                     | 2                      |
| 2488-12545        | 00000/0000                                     | 2-20026/0018     | 05/24/76              | 100                                | 6802                                | 7839N        | 00044W       | 31.8              | 195.4      | GGGG         |             |                     |                      | 247                     | 3                      |
| 2488-12552        | 00000/0000                                     | 2-20026/0019     | 05/24/76              | 100                                | 6802                                | 7742N        | 00614W       | 33.0              | 189.6      | GGGG         |             |                     |                      | 247                     | 4                      |
| 2488-14372        | 00000/0000                                     | 2-20026/0020     | 05/24/76              | 60                                 | 6803                                | 8011N        | 01258W       | 29.5              | 209.7      | FGGG         |             |                     |                      | 13                      | 1                      |
| 2488-14374        | 00000/0000                                     | 2-20026/0021     | 05/24/76              | 30                                 | 6803                                | 7929N        | 02020W       | 30.7              | 202.1      | GGGG         |             |                     |                      | 14                      | 2                      |
| 2488-14472        | 00000/0000                                     | 2-20025/1222     | 05/24/76              | 90                                 | 6803                                | 5010N        | 06938W       | 53.8              | 134.3      | GGG          |             |                     |                      | 14                      | 25                     |
| 2488-14474        | 00000/0000                                     | 2-20025/1223     | 05/24/76              | 90                                 | 6803                                | 4845N        | 07016W       | 54.5              | 132.1      | FGGG         |             |                     |                      | 14                      | 26                     |
| 2488-14540        | 00000/0000                                     | 2-20025/1224     | 05/24/76              | 50                                 | 6803                                | 2722N        | 07730W       | 59.2              | 94.9       | GGGG         |             |                     |                      | 14                      | 41                     |
| 2488-14542        | 00000/0000                                     | 2-20025/1225     | 05/24/76              | 80                                 | 6803                                | 2555N        | 07754W       | 59.0              | 92.3       | GGGG         |             |                     |                      | 14                      | 42                     |
| 2488-14545        | 00000/0000                                     | 2-20025/1226     | 05/24/76              | 70                                 | 6803                                | 2429N        | 07816W       | 58.8              | 89.8       | GGFG         |             |                     |                      | 14                      | 43                     |
| 2488-14551        | 00000/0000                                     | 2-20025/1227     | 05/24/76              | 60                                 | 6803                                | 2303N        | 07838W       | 58.5              | 87.4       | FGGG         |             |                     |                      | 14                      | 44                     |
| 2488-16292        | 00000/0000                                     | 2-20025/1253     | 05/24/76              | 0                                  | 6804                                | 5424N        | 09318W       | 51.5              | 140.6      | GGGG         |             |                     |                      | 32                      | 22                     |
| 2488-16294        | 00000/0000                                     | 2-20025/1254     | 05/24/76              | 0                                  | 6804                                | 5259N        | 09403W       | 52.3              | 138.5      | GGGG         |             |                     |                      | 32                      | 23                     |
| 2488-16301        | 00000/0000                                     | 2-20025/1255     | 05/24/76              | 10                                 | 6804                                | 5134N        | 09445W       | 53.1              | 136.4      | GGGG         |             |                     |                      | 32                      | 24                     |
| 2488-16374        | 00000/0000                                     | 2-20025/0932     | 05/24/76              | 0                                  | 6804                                | 2557N        | 10339W       | 59.0              | 92.3       | GGGG         |             |                     |                      | 32                      | 42                     |
| 2488-16380        | 00000/0000                                     | 2-20025/0933     | 05/24/76              | 10                                 | 6804                                | 2430N        | 10402W       | 58.8              | 89.8       | GGGG         |             |                     |                      | 32                      | 43                     |
| 2488-16383        | 00000/0000                                     | 2-20025/0934     | 05/24/76              | 10                                 | 6804                                | 2304N        | 10424W       | 58.5              | 87.3       | GGGG         |             |                     |                      | 32                      | 44                     |
| 2488-16385        | 00000/0000                                     | 2-20025/0935     | 05/24/76              | 10                                 | 6804                                | 2137N        | 10447W       | 58.2              | 84.9       | GGGG         |             |                     |                      | 32                      | 45                     |
| 2488-16392        | 00000/0000                                     | 2-20025/0936     | 05/24/76              | 10                                 | 6804                                | 2010N        | 10509W       | 57.8              | 82.6       | GGGG         |             |                     |                      | 32                      | 46                     |
| 2488-16394        | 00000/0000                                     | 2-20025/0937     | 05/24/76              | 10                                 | 6804                                | 1844N        | 10530W       | 57.3              | 80.3       | FGFG         |             |                     |                      | 32                      | 47                     |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD COVER | SUNBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | QUAL<br>MSS DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------------------------|------------------|-------------|------------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|--------------------------|----------------------|-------------------------|------------------------|
| 2488-16401        | 00000/0000 2-20025/0938                            | 05/24/76         | 30          | 6804             | 1718N                              | 10552W                              | 56.8         | 78.1         | FGGG                  |                          |                      | 32                      | 48                     |
| 2488-16403        | 00000/0000 2-20025/0939                            | 05/24/76         | 80          | 6804             | 1552N                              | 10613W                              | 56.3         | 76.0         | GGGG                  |                          |                      | 32                      | 49                     |
| 2488-18104        | 00000/0000 2-20026/0296                            | 05/24/76         | 80          | 6805             | 6054N                              | 11456W                              | 47.3         | 150.0        | G                     |                          |                      | 50                      | 17                     |
| 2488-18110        | 00000/0000 2-20026/0297                            | 05/24/76         | 80          | 6805             | 5930N                              | 11557W                              | 48.2         | 147.9        | GG G                  |                          |                      | 50                      | 18                     |
| 2488-18113        | 00000/0000 2-20026/0298                            | 05/24/76         | 80          | 6805             | 5807N                              | 11453W                              | 49.2         | 145.9        | GGGG                  |                          |                      | 50                      | 19                     |
| 2488-18115        | 00000/0000 2-20026/0299                            | 05/24/76         | 90          | 6805             | 5644N                              | 11747W                              | 50.0         | 143.9        | GGGG                  |                          |                      | 50                      | 20                     |
| 2488-18122        | 00000/0000 2-20026/0300                            | 05/24/76         | 90          | 6805             | 5521N                              | 11837W                              | 50.9         | 141.9        | GGGG                  |                          |                      | 50                      | 21                     |
| 2488-18130        | 00000/0000 2-20026/0963                            | 05/24/76         | 90          | 6805             | 5239N                              | 12004W                              | 52.5         | 138.0        | G                     |                          |                      | 50                      | 23                     |
| 2488-18131        | 00000/0000 2-20026/0301                            | 05/24/76         | 90          | 6805             | 5232N                              | 12007W                              | 52.6         | 137.8        | GGGG                  |                          |                      | 50                      | 23                     |
| 2488-18133        | 00000/0000 2-20026/0302                            | 05/24/76         | 90          | 6805             | 5108N                              | 12049W                              | 53.3         | 135.7        | GGGG                  |                          |                      | 50                      | 24                     |
| 2488-19470        | 00000/0000 2-20026/0022                            | 05/24/76         | 10          | 6806             | 8010N                              | 09016W                              | 29.6         | 209.7        | GGGG                  |                          |                      | 67                      | 1                      |
| 2488-21332        | 00000/0000 2-20026/0303                            | 05/24/76         | 100         | 6807             | 7247N                              | 15108W                              | 37.8         | 171.9        | GGGG                  |                          |                      | 86                      | 8                      |
| 2489-01072        | 00000/0000 2-20026/0025                            | 05/25/76         | 70          | 6809             | 4847N                              | 13449E                              | 54.6         | 132.1        | G                     |                          |                      | 122                     | 26                     |
| 2489-01074        | 00000/0000 2-20026/0026                            | 05/25/76         | 80          | 6809             | 4722N                              | 13413E                              | 55.3         | 129.9        | GGGG                  |                          |                      | 122                     | 27                     |
| 2489-01081        | 00000/0000 2-20026/0027                            | 05/25/76         | 90          | 6809             | 4558N                              | 13337E                              | 55.9         | 127.6        | GGGG                  |                          |                      | 122                     | 28                     |
| 2489-01140        | 00000/0000 2-20026/0028                            | 05/25/76         | 40          | 6809             | 2547N                              | 12715E                              | 59.0         | 92.2         | GGGG                  |                          |                      | 122                     | 42                     |
| 2489-01165        | 00000/0000 2-20026/0029                            | 05/25/76         | 90          | 6809             | 1551N                              | 12439E                              | 56.3         | 76.0         | FGGG                  |                          |                      | 122                     | 49                     |
| 2489-01172        | 00000/0000 2-20026/0030                            | 05/25/76         | 80          | 6809             | 1425N                              | 12419E                              | 55.6         | 73.9         | FGGG                  |                          |                      | 122                     | 50                     |
| 2489-01174        | 00000/0000 2-20026/0031                            | 05/25/76         | 70          | 6809             | 1249N                              | 12358E                              | 55.0         | 72.0         | GGGG                  |                          |                      | 122                     | 51                     |
| 2489-01181        | 00000/0000 2-20026/0032                            | 05/25/76         | 70          | 6809             | 1133N                              | 12338E                              | 54.3         | 70.1         | GGGG                  |                          |                      | 122                     | 52                     |
| 2489-01183        | 00000/0000 2-20026/0033                            | 05/25/76         | 50          | 6809             | 1006N                              | 12318E                              | 53.6         | 68.3         | GGGG                  |                          |                      | 122                     | 53                     |
| 2489-01190        | 00000/0000 2-20026/0034                            | 05/25/76         | 40          | 6809             | 0840N                              | 12257E                              | 52.8         | 66.6         | FGGG                  |                          |                      | 122                     | 54                     |
| 2489-01192        | 00000/0000 2-20026/0035                            | 05/25/76         | 30          | 6809             | 0713N                              | 12237E                              | 52.0         | 65.0         | GGGG                  |                          |                      | 122                     | 55                     |
| 2489-04335        | 00000/0000 2-20026/0036                            | 05/25/76         | 100         | 6811             | 4846N                              | 08311E                              | 54.6         | 132.0        | FGGG                  |                          |                      | 158                     | 26                     |
| 2489-04341        | 00000/0000 2-20026/0037                            | 05/25/76         | 100         | 6811             | 4721N                              | 08235E                              | 55.3         | 129.8        | FGGG                  |                          |                      | 158                     | 27                     |
| 2489-04344        | 00000/0000 2-20026/0038                            | 05/25/76         | 90          | 6811             | 4556N                              | 08200E                              | 55.9         | 127.5        | FGGG                  |                          |                      | 158                     | 28                     |
| 2489-04350        | 00000/0000 2-20026/0039                            | 05/25/76         | 90          | 6811             | 4420N                              | 08126E                              | 56.5         | 125.2        | FGGG                  |                          |                      | 158                     | 29                     |
| 2489-06150        | 00000/0000 2-20026/0040                            | 05/25/76         | 30          | 6812             | 5548N                              | 06054E                              | 50.7         | 142.5        | GGGG                  |                          |                      | 176                     | 21                     |
| 2489-06152        | 00000/0000 2-20026/0041                            | 05/25/76         | 30          | 6812             | 5423N                              | 06007E                              | 51.6         | 140.5        | GGGG                  |                          |                      | 176                     | 22                     |
| 2489-06155        | 00000/0000 2-20026/0042                            | 05/25/76         | 20          | 6812             | 5259N                              | 05922E                              | 52.4         | 138.4        | GGGG                  |                          |                      | 176                     | 23                     |
| 2489-06161        | 00000/0000 2-20026/0043                            | 05/25/76         | 20          | 6812             | 5135N                              | 05840E                              | 53.2         | 136.3        | GGGG                  |                          |                      | 176                     | 24                     |
| 2489-06205        | 00000/0000 2-20026/0044                            | 05/25/76         | 50          | 6812             | 3657N                              | 05238E                              | 58.9         | 110.3        | GGGG                  |                          |                      | 176                     | 35                     |
| 2489-06211        | 00000/0000 2-20026/0045                            | 05/25/76         | 10          | 6812             | 3432N                              | 05212E                              | 59.1         | 107.7        | GGGG                  |                          |                      | 176                     | 36                     |
| 2489-06214        | 00000/0000 2-20026/0046                            | 05/25/76         | 10          | 6812             | 3306N                              | 05146E                              | 59.3         | 105.1        | FGGG                  |                          |                      | 176                     | 37                     |
| 2489-07575        | 00000/0000 2-20026/0181                            | 05/25/76         | 20          | 6813             | 5710N                              | 03559E                              | 49.9         | 144.5        | GGGG                  |                          |                      | 194                     | 20                     |
| 2489-07592        | 00000/0000 2-20026/0182                            | 05/25/76         | 10          | 6813             | 5547N                              | 03509E                              | 50.7         | 142.5        | GGGG                  |                          |                      | 194                     | 21                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2489-07584        | 00000/0000 2-20026/0183                        | 05/25/76         | 10                    | 6813 5423N                         | 03421E       | 51.6 140.5   | GGGG                               |                     |                      | 194                     | 22                     |
| 2489-07591        | 00000/0000 2-20026/0184                        | 05/25/76         | 20                    | 6813 5259N                         | 03335E       | 52.4 138.4   | GGGG                               |                     |                      | 194                     | 23                     |
| 2489-07593        | 00000/0000 2-20026/0185                        | 05/25/76         | 20                    | 6813 5134N                         | 03253E       | 53.2 136.3   | GGGG                               |                     |                      | 194                     | 24                     |
| 2489-08000        | 00000/0000 2-20026/0186                        | 05/25/76         | 10                    | 6813 5010N                         | 03213E       | 53.9 134.2   | GGGG                               |                     |                      | 194                     | 25                     |
| 2489-08002        | 00000/0000 2-20026/0187                        | 05/25/76         | 30                    | 6813 4846N                         | 03134E       | 54.6 132.0   | GGGG                               |                     |                      | 194                     | 26                     |
| 2489-08005        | 00000/0000 2-20026/0188                        | 05/25/76         | 50                    | 6813 4721N                         | 03058E       | 55.3 129.8   | GGGG                               |                     |                      | 194                     | 27                     |
| 2489-08011        | 00000/0000 2-20026/0189                        | 05/25/76         | 20                    | 6813 4546N                         | 03022E       | 55.9 127.5   | GGGG                               |                     |                      | 194                     | 28                     |
| 2489-08073        | 00000/0000 2-20026/0190                        | 05/25/76         | 10                    | 6813 2429N                         | 02335E       | 58.8 89.6    | GGGG                               |                     |                      | 194                     | 43                     |
| 2489-08075        | 00000/0000 2-20026/0074                        | 05/25/76         | 90                    | 6813 2304N                         | 02313E       | 58.5 87.1    | GGGG                               |                     |                      | 194                     | 44                     |
| 2489-08082        | 00000/0000 2-20026/0075                        | 05/25/76         | 80                    | 6813 2138N                         | 02251E       | 58.2 84.7    | GGGG                               |                     |                      | 194                     | 45                     |
| 2489-08084        | 00000/0000 2-20026/0076                        | 05/25/76         | 20                    | 6813 2011N                         | 02229E       | 57.8 82.4    | GGGG                               |                     |                      | 194                     | 46                     |
| 2489-09384        | 00000/0000 2-20026/0077                        | 05/25/76         | 10                    | 6813 6525N                         | 01644E       | 44.1 156.8   | GFGG                               |                     |                      | 212                     | 14                     |
| 2489-11165        | 00000/0000 2-20026/0078                        | 05/25/76         | 90                    | 6815 7928N                         | 02959E       | 30.9 202.0   | GGGG                               |                     |                      | 230                     | 2                      |
| 2489-11172        | 00000/0000 2-20026/0079                        | 05/25/76         | 90                    | 6815 7839N                         | 02335E       | 32.0 195.3   | GFGG                               |                     |                      | 230                     | 3                      |
| 2489-11174        | 00000/0000 2-20026/0080                        | 05/25/76         | 10                    | 6815 7742N                         | 01405E       | 33.2 189.5   | GFGG                               |                     |                      | 230                     | 4                      |
| 2489-11181        | 00000/0000 2-20026/0081                        | 05/25/76         | 50                    | 6815 7640N                         | 01322E       | 34.3 184.4   | GFGG                               |                     |                      | 230                     | 5                      |
| 2489-11183        | 00000/0000 2-20026/0082                        | 05/25/76         | 90                    | 6815 7543N                         | 00920E       | 35.5 180.0   | GGGG                               |                     |                      | 230                     | 6                      |
| 2489-12594        | 00000/0000 2-20026/0083                        | 05/25/76         | 50                    | 6816 8011N                         | 01141E       | 29.7 209.9   | GFGG                               |                     |                      | 247                     | 1                      |
| 2489-13001        | 00000/0000 2-20026/0084                        | 05/25/76         | 100                   | 6816 7931N                         | 00419E       | 30.8 202.3   | GGGG                               |                     |                      | 247                     | 2                      |
| 2489-13003        | 00000/0000 2-20026/0085                        | 05/25/76         | 100                   | 6816 7841N                         | 00205W       | 32.0 195.5   | F0FG                               |                     |                      | 248                     | 3                      |
| 2489-13010        | 00000/0000 2-20026/0086                        | 05/25/76         | 100                   | 6816 7744N                         | 00736W       | 33.2 189.7   | GGGG                               |                     |                      | 248                     | 4                      |
| 2489-14430        | 00000/0000 2-20026/0087                        | 05/25/76         | 90                    | 6817 8011N                         | 01408W       | 29.7 209.9   | GFGG                               |                     |                      | 15                      | 25                     |
| 2489-14530        | 00000/0000 2-20026/0278                        | 05/25/76         | 90                    | 6817 5013N                         | 07102W       | 53.9 134.2   | GGGG                               |                     |                      | 15                      | 26                     |
| 2489-14532        | 00000/0000 2-20026/0279                        | 05/25/76         | 90                    | 6817 4849N                         | 07140W       | 54.7 132.0   | GGGG                               |                     |                      | 15                      | 26                     |
| 2489-15005        | 00000/0000 2-20026/0280                        | 05/25/76         | 30                    | 6817 2305N                         | 08003W       | 58.5 87.1    | GGGG                               |                     | H                    | 15                      | 44                     |
| 2489-16344        | 00000/0000 2-20026/0062                        | 05/25/76         | 20                    | 6818 5546N                         | 09356W       | 50.8 142.4   | GGGG                               |                     |                      | 33                      | 21                     |
| 2489-16350        | 00000/0000 2-20026/0063                        | 05/25/76         | 20                    | 6818 5422N                         | 09444W       | 51.6 140.4   | GGGG                               |                     |                      | 33                      | 22                     |
| 2489-16353        | 00000/0000 2-20026/0064                        | 05/25/76         | 10                    | 6818 5259N                         | 09529W       | 52.5 138.3   | GGGG                               |                     |                      | 33                      | 23                     |
| 2489-16355        | 00000/0000 2-20026/0065                        | 05/25/76         | 10                    | 6818 5134N                         | 09611W       | 53.2 136.2   | GGGG                               |                     |                      | 33                      | 24                     |
| 2489-16432        | 00000/0000 2-20026/0066                        | 05/25/76         | 10                    | 6818 2555N                         | 10505W       | 59.0 91.9    | GGGG                               |                     |                      | 33                      | 42                     |
| 2489-16435        | 00000/0000 2-20026/0067                        | 05/25/76         | 10                    | 6818 2429N                         | 10528W       | 58.8 89.4    | GGGG                               |                     |                      | 33                      | 43                     |
| 2489-16441        | 00000/0000 2-20026/0068                        | 05/25/76         | 10                    | 6818 2303N                         | 10551W       | 58.5 87.0    | GGGG                               |                     |                      | 33                      | 44                     |
| 2489-16444        | 00000/0000 2-20026/0069                        | 05/25/76         | 20                    | 6818 2137N                         | 10613W       | 58.2 84.6    | GGGG                               |                     |                      | 33                      | 45                     |
| 2489-16450        | 00000/0000 2-20026/0070                        | 05/25/76         | 20                    | 6818 2010N                         | 10634W       | 57.7 82.2    | GGGG                               |                     |                      | 33                      | 46                     |
| 2489-16453        | 00000/0000 2-20026/0071                        | 05/25/76         | 20                    | 6818 1844N                         | 10656W       | 57.3 80.0    | GGGG                               |                     |                      | 33                      | 47                     |
| 2489-16455        | 00000/0000 2-20026/0072                        | 05/25/76         | 10                    | 6818 1718N                         | 10717W       | 56.2 77.8    | F0GG                               |                     |                      | 33                      | 48                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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| OBSERVATION<br>ID | MICHROFILM<br>POSITION<br>RAY | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RAY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2489-16462        | 00000/0000                    | 2-20026/0073                | 05/25/76         | 10             | 6818            | 1551N                        | 10739W        | 56.2         | 75.7         | FGGG                               |                     |                      | 33                      | 49                     |
| 2489-18173        | 00000/0000                    | 2-20026/0135                | 05/25/76         | 90             | 6819            | 5713N                        | 11854W        | 49.9         | 144.5        | GGGG                               |                     |                      | 51                      | 20                     |
| 2489-18175        | 00000/0000                    | 2-20026/0136                | 05/25/76         | 70             | 6819            | 5549N                        | 11945W        | 50.8         | 142.5        | GGFG                               |                     |                      | 51                      | 21                     |
| 2489-18182        | 00000/0000                    | 2-20026/0137                | 05/25/76         | 90             | 6819            | 5425N                        | 12031W        | 51.6         | 140.4        | GFGB                               |                     |                      | 51                      | 22                     |
| 2489-18184        | 00000/0000                    | 2-20026/0138                | 05/25/76         | 90             | 6819            | 5302N                        | 12116W        | 52.4         | 138.4        | GFGB                               |                     |                      | 51                      | 23                     |
| 2489-18191        | 00000/0000                    | 2-20026/0139                | 05/25/76         | 70             | 6819            | 5138N                        | 12158W        | 53.2         | 136.3        | GGGG                               |                     |                      | 51                      | 24                     |
| 2489-18193        | 00000/0000                    | 2-20026/0140                | 05/25/76         | 80             | 6819            | 5014N                        | 12239W        | 54.0         | 134.1        | GGGG                               |                     |                      | 51                      | 25                     |
| 2489-23533        | 00000/0000                    | 2-20026/0088                | 05/25/76         | 10             | 6822            | 3258S                        | 13705E        | 21.7         | 44.0         | GGFG                               |                     |                      | 105                     | 83                     |
| 2490-01135        | 00000/0000                    | 2-20026/0191                | 05/26/76         | 10             | 6823            | 4557N                        | 13913E        | 56.0         | 127.3        | GGGG                               |                     |                      | 123                     | 28                     |
| 2490-01141        | 00000/0000                    | 2-20026/0192                | 05/26/76         | 10             | 6823            | 4432N                        | 13139E        | 56.6         | 125.0        | GGGG                               |                     |                      | 123                     | 29                     |
| 2490-01144        | 00000/0000                    | 2-20026/0193                | 05/26/76         | 10             | 6823            | 4306N                        | 13107E        | 57.1         | 122.6        | GGGG                               |                     |                      | 123                     | 30                     |
| 2490-01230        | 00000/0000                    | 2-20026/0194                | 05/26/76         | 100            | 6823            | 425N                         | 12953E        | 55.6         | 73.6         | GGGG                               |                     |                      | 123                     | 50                     |
| 2490-01232        | 00000/0000                    | 2-20026/0195                | 05/26/76         | 100            | 6823            | 1258N                        | 12932E        | 54.9         | 71.7         | GGGG                               |                     |                      | 123                     | 51                     |
| 2490-01235        | 00000/0000                    | 2-20026/0196                | 05/26/76         | 90             | 6823            | 1132N                        | 12211E        | 54.2         | 69.8         | GGGG                               |                     |                      | 123                     | 52                     |
| 2490-01241        | 00000/0000                    | 2-20026/0197                | 05/26/76         | 80             | 6823            | 1055N                        | 12151E        | 53.5         | 68.0         | GGGG                               |                     |                      | 123                     | 53                     |
| 2490-01244        | 00000/0000                    | 2-20026/0198                | 05/26/76         | 50             | 6823            | 0839N                        | 12131E        | 52.7         | 66.3         | GGGG                               |                     |                      | 123                     | 54                     |
| 2490-01250        | 00000/0000                    | 2-20026/0199                | 05/26/76         | 70             | 6823            | 0712N                        | 12111E        | 51.9         | 64.7         | GGGG                               |                     |                      | 123                     | 55                     |
| 2490-04373        | 00000/0000                    | 2-20026/0047                | 05/26/76         | 80             | 6825            | 5547N                        | 08518E        | 50.9         | 142.4        | GGGG                               |                     |                      | 159                     | 21                     |
| 2490-04375        | 00000/0000                    | 2-20026/0048                | 05/26/76         | 70             | 6825            | 5423N                        | 08430E        | 51.7         | 140.3        | GGGG                               |                     |                      | 159                     | 22                     |
| 2490-04393        | 00000/0000                    | 2-20026/0049                | 05/26/76         | 10             | 6825            | 4845N                        | 08144E        | 54.7         | 131.8        | GGGG                               |                     |                      | 159                     | 26                     |
| 2490-04400        | 00000/0000                    | 2-20026/0050                | 05/26/76         | 10             | 6825            | 4720N                        | 08107E        | 55.4         | 129.6        | FGGG                               |                     |                      | 159                     | 27                     |
| 2490-04402        | 00000/0000                    | 2-20026/0051                | 05/26/76         | 10             | 6825            | 4555N                        | 08032E        | 56.0         | 127.3        | GGGG                               |                     |                      | 159                     | 28                     |
| 2490-04405        | 00000/0000                    | 2-20026/0052                | 05/26/76         | 30             | 6825            | 4430N                        | 07958E        | 56.6         | 125.0        | GGGG                               |                     |                      | 159                     | 29                     |
| 2490-04411        | 00000/0000                    | 2-20026/0053                | 05/26/76         | 80             | 6825            | 4305N                        | 07926E        | 57.1         | 122.6        | GGGG                               |                     |                      | 159                     | 30                     |
| 2490-04414        | 00000/0000                    | 2-20026/0054                | 05/26/76         | 90             | 6825            | 4139N                        | 07855E        | 57.6         | 120.1        | GGGG                               |                     |                      | 159                     | 31                     |
| 2490-04420        | 00000/0000                    | 2-20026/0055                | 05/26/76         | 40             | 6825            | 4013N                        | 07825E        | 58.0         | 117.7        | GGGG                               |                     |                      | 159                     | 32                     |
| 2490-04423        | 00000/0000                    | 2-20026/0056                | 05/26/76         | 30             | 6825            | 3848N                        | 07756E        | 58.4         | 115.2        | GGFG                               |                     |                      | 159                     | 33                     |
| 2490-04425        | 00000/0000                    | 2-20026/0057                | 05/26/76         | 20             | 6825            | 3722N                        | 07728E        | 58.7         | 112.6        | GGGG                               |                     |                      | 159                     | 34                     |
| 2490-04432        | 00000/0000                    | 2-20026/0058                | 05/26/76         | 70             | 6825            | 3557N                        | 07701E        | 59.0         | 110.0        | GGGG                               |                     |                      | 159                     | 35                     |
| 2490-04434        | 00000/0000                    | 2-20026/0059                | 05/26/76         | 20             | 6825            | 3431N                        | 07635E        | 59.2         | 107.4        | GGGG                               |                     |                      | 159                     | 36                     |
| 2490-04441        | 00000/0000                    | 2-20026/0060                | 05/26/76         | 40             | 6825            | 3305N                        | 07609E        | 59.3         | 104.8        | GGGG                               |                     |                      | 159                     | 37                     |
| 2490-04443        | 00000/0000                    | 2-20026/0061                | 05/26/76         | 10             | 6825            | 3139N                        | 07544E        | 59.4         | 102.2        | GGGG                               |                     |                      | 159                     | 38                     |
| 2490-06195        | 00000/0000                    | 2-20026/0161                | 05/26/76         | 70             | 6826            | 5834N                        | 06116E        | 49.1         | 146.4        | FGGG                               |                     |                      | 177                     | 19                     |
| 2490-06202        | 00000/0000                    | 2-20026/0162                | 05/26/76         | 50             | 6826            | 5710N                        | 06022E        | 50.0         | 144.4        | FGGG                               |                     |                      | 177                     | 20                     |
| 2490-06204        | 00000/0000                    | 2-20026/0163                | 05/26/76         | 10             | 6826            | 5546N                        | 05931E        | 50.9         | 142.3        | PGGG                               |                     |                      | 177                     | 21                     |
| 2490-06211        | 00000/0000                    | 2-20026/0164                | 05/26/76         | 10             | 6826            | 5422N                        | 05844E        | 51.7         | 140.3        | PGGG                               |                     |                      | 177                     | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NANUS  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>REV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2490-06213        | 00000/0000                                     | 2-20026/0165     | 05/26/76       | 60                     | 6826                               | 5258N                               | 05759E       | 52.5         | 138.2                              |                     |                      |                         |                        |
| 2490-06220        | 00000/0000                                     | 2-20026/0166     | 05/26/76       | 20                     | 6826                               | 5134N                               | 05716E       | 53.3         | 136.1                              | PGGG                |                      | 177                     | 23                     |
| 2490-06222        | 00000/0000                                     | 2-20026/0167     | 05/26/76       | 10                     | 6826                               | 5010N                               | 05636E       | 54.1         | 134.0                              | PGGG                |                      | 177                     | 24                     |
| 2490-06253        | 00000/0000                                     | 2-20026/0168     | 05/26/76       | 10                     | 6826                               | 3557N                               | 05114E       | 59.0         | 110.0                              | PGGG                |                      | 177                     | 25                     |
| 2490-06270        | 00000/0000                                     | 2-20026/0169     | 05/26/76       | 0                      | 6826                               | 3411N                               | 05047E       | 59.2         | 107.4                              | PGGG                |                      | 177                     | 35                     |
| 2490-08024        | 00000/0000                                     | 2-20026/0170     | 05/26/76       | 80                     | 6827                               | 5956N                               | 03624E       | 48.2         | 148.4                              | GGGG                |                      | 177                     | 36                     |
| 2490-08031        | 00000/0000                                     | 2-20026/0171     | 05/26/76       | 40                     | 6827                               | 5833N                               | 03526E       | 49.1         | 146.4                              | GGGG                |                      | 195                     | 18                     |
| 2490-08040        | 00000/0000                                     | 2-20026/0172     | 05/26/76       | 10                     | 6827                               | 5546N                               | 03341E       | 50.9         | 142.3                              | GGGG                |                      | 195                     | 19                     |
| 2490-08042        | 00000/0000                                     | 2-20026/0173     | 05/26/76       | 10                     | 6827                               | 5423N                               | 03254E       | 51.7         | 140.3                              | GGGG                |                      | 195                     | 21                     |
| 2490-08045        | 00000/0000                                     | 2-20026/0174     | 05/26/76       | 10                     | 6827                               | 5258N                               | 03209E       | 52.5         | 138.2                              | GGGG                |                      | 195                     | 22                     |
| 2490-08051        | 00000/0000                                     | 2-20026/0160     | 05/26/76       | 20                     | 6827                               | 5134N                               | 03127E       | 53.3         | 136.1                              | GGGG                |                      | 195                     | 23                     |
| 2490-08054        | 00000/0000                                     | 2-20026/0175     | 05/26/76       | 20                     | 6827                               | 5009N                               | 03047E       | 54.1         | 133.9                              | GGGG                |                      | 195                     | 24                     |
| 2490-08060        | 00000/0000                                     | 2-20026/0176     | 05/26/76       | 40                     | 6827                               | 4844N                               | 03008E       | 54.8         | 131.8                              | GGGG                |                      | 195                     | 25                     |
| 2490-08063        | 00000/0000                                     | 2-20026/0177     | 05/26/76       | 20                     | 6827                               | 4719N                               | 02931E       | 55.4         | 129.5                              | GGGG                |                      | 195                     | 26                     |
| 2490-08065        | 00000/0000                                     | 2-20026/0178     | 05/26/76       | 10                     | 6827                               | 4544N                               | 02856E       | 56.1         | 127.2                              | GGGG                |                      | 195                     | 27                     |
| 2490-08072        | 00000/0000                                     | 2-20026/0179     | 05/26/76       | 10                     | 6827                               | 4429N                               | 02822E       | 56.6         | 124.9                              | GGGG                |                      | 195                     | 28                     |
| 2490-09435        | 00000/0000                                     | 2-20026/0180     | 05/26/76       | 50                     | 6828                               | 6645N                               | 01647E       | 43.3         | 159.0                              | GGGG                |                      | 213                     | 13                     |
| 2490-09442        | 00000/0000                                     | 2-20026/0207     | 05/26/76       | 30                     | 6828                               | 6524N                               | 01519E       | 44.3         | 156.7                              | GGGG                |                      | 213                     | 14                     |
| 2490-11223        | 00000/0000                                     | 2-20028/0001     | 05/26/76       | 10                     | 6829                               | 7929N                               | 02839E       | 31.0         | 202.2                              | GGGG                |                      | 230                     | 2                      |
| 2490-11230        | 00000/0000                                     | 2-20028/0002     | 05/26/76       | 30                     | 6829                               | 7840N                               | 02716E       | 32.2         | 195.5                              | GGGG                |                      | 231                     | 3                      |
| 2490-11241        | 00000/0000                                     | 2-20028/0003     | 05/26/76       | 90                     | 6829                               | 7535N                               | 00759E       | 35.6         | 180.0                              | GGGG                |                      | 231                     | 6                      |
| 2490-13062        | 00000/0000                                     | 2-20028/0004     | 05/26/76       | 40                     | 6830                               | 7840N                               | 00332W       | 32.2         | 195.4                              | GGGG                |                      | 249                     | 3                      |
| 2490-13064        | 00000/0000                                     | 2-20028/0005     | 05/26/76       | 40                     | 6830                               | 7744N                               | 00903W       | 33.4         | 189.6                              | GGGG                |                      | 249                     | 4                      |
| 2490-14484        | 00000/0000                                     | 2-20028/0006     | 05/26/76       | 30                     | 6831                               | 8011N                               | 01544W       | 29.9         | 209.7                              | GGGG                |                      | 15                      | 1                      |
| 2490-14491        | 00000/0000                                     | 2-20028/0007     | 05/26/76       | 20                     | 6831                               | 7930N                               | 02303W       | 31.0         | 202.1                              | GGGG                |                      | 16                      | 2                      |
| 2490-14493        | 00000/0000                                     | 2-20028/0008     | 05/26/76       | 10                     | 6831                               | 7840N                               | 02926W       | 32.2         | 195.4                              | GGGG                |                      | 16                      | 3                      |
| 2490-14502        | 00000/0000                                     | 2-20028/0009     | 05/26/76       | 0                      | 6831                               | 7641N                               | 03941W       | 34.5         | 184.5                              | GGGG                |                      | 16                      | 5                      |
| 2490-14582        | 00000/0000                                     | 2-20026/0275     | 05/26/76       | 70                     | 6831                               | 5136N                               | 07150W       | 53.3         | 136.1                              | GGGG                |                      | 16                      | 24                     |
| 2490-14584        | 00000/0000                                     | 2-20026/0276     | 05/26/76       | 40                     | 6831                               | 5011N                               | 07230W       | 54.1         | 133.9                              | GGGG                |                      | 16                      | 25                     |
| 2490-14591        | 00000/0000                                     | 2-20026/0277     | 05/26/76       | 70                     | 6831                               | 4846N                               | 07307W       | 54.8         | 131.7                              | GGGG                |                      | 16                      | 26                     |
| 2490-16413        | 00000/0000                                     | 2-20026/0281     | 05/26/76       | 80                     | 6832                               | 5135N                               | 09740W       | 53.4         | 136.1                              | GGGG                |                      | 34                      | 24                     |
| 2490-16484        | 00000/0000                                     | 2-20026/0282     | 05/26/76       | 0                      | 6832                               | 2723N                               | 10609W       | 59.2         | 94.2                               | GGGG                |                      | 34                      | 41                     |
| 2490-16490        | 00000/0000                                     | 2-20026/0283     | 05/26/76       | 10                     | 6832                               | 2557N                               | 10632W       | 59.1         | 91.7                               | GGGG                |                      | 34                      | 42                     |
| 2490-18231        | 00000/0000                                     | 2-20026/0200     | 05/26/76       | 70                     | 6833                               | 5712N                               | 12020W       | 50.1         | 144.3                              | GGGG                |                      | 52                      | 20                     |
| 2490-18233        | 00000/0000                                     | 2-20026/0201     | 05/26/76       | 70                     | 6833                               | 5548N                               | 12111W       | 50.9         | 142.3                              | GGGG                |                      | 52                      | 21                     |
| 2490-18240        | 00000/0000                                     | 2-20026/0202     | 05/26/76       | 80                     | 6833                               | 5425N                               | 12158W       | 51.8         | 140.2                              | GGGG                |                      | 52                      | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RSV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RSV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2490-18242        | 00000/0000 2-20024/0203                        | 05/26/76         | 70             | 6833                   | 5300N                              | 12243W                              | 52.6         | 138.2        | GGGG              |                     |                      |                         |                        |
| 2490-18245        | 00000/0000 2-20024/0204                        | 05/26/76         | 70             | 6833                   | 5136N                              | 12326W                              | 53.4         | 136.1        | GGGG              |                     |                      | 52                      | 23                     |
| 2490-18251        | 00000/0000 2-20024/0205                        | 05/26/76         | 100            | 6833                   | 5011N                              | 12406W                              | 54.1         | 133.9        | GGGG              |                     |                      | 52                      | 24                     |
| 2490-18265        | 00000/0000 2-20024/0206                        | 05/26/76         | 80             | 6833                   | 4431N                              | 12629W                              | 56.7         | 124.9        | GGGG              |                     |                      | 52                      | 25                     |
| 2491-01184        | 00000/0000 2-20024/0208                        | 05/27/76         | 50             | 6837                   | 4844N                              | 13157E                              | 54.9         | 131.6        | GGGG              |                     |                      | 124                     | 29                     |
| 2491-01191        | 00000/0000 2-20024/0209                        | 05/27/76         | 10             | 6837                   | 4719N                              | 13120E                              | 55.5         | 129.4        | GGGG              |                     |                      | 124                     | 26                     |
| 2491-01193        | 00000/0000 2-20024/0210                        | 05/27/76         | 10             | 6837                   | 4553N                              | 13045E                              | 56.1         | 127.1        | GGGG              |                     |                      | 124                     | 27                     |
| 2491-01200        | 00000/0000 2-20024/0211                        | 05/27/76         | 0              | 6837                   | 4429N                              | 13011E                              | 56.7         | 124.7        | GGGG              |                     |                      | 124                     | 28                     |
| 2491-01202        | 00000/0000 2-20024/0212                        | 05/27/76         | 0              | 6837                   | 4304N                              | 12939E                              | 57.2         | 122.3        | GGGG              |                     |                      | 124                     | 29                     |
| 2491-01205        | 00000/0000 2-20024/0213                        | 05/27/76         | 0              | 6837                   | 4139N                              | 12909E                              | 57.7         | 119.9        | GGGG              |                     |                      | 124                     | 30                     |
| 2491-01282        | 00000/0000 2-20024/0214                        | 05/27/76         | 90             | 6837                   | 1551N                              | 12147E                              | 56.2         | 75.3         | GGGG              |                     |                      | 124                     | 31                     |
| 2491-01284        | 00000/0000 2-20024/0215                        | 05/27/76         | 80             | 6837                   | 1424N                              | 12126E                              | 55.5         | 73.3         | GGGG              |                     |                      | 124                     | 49                     |
| 2491-01291        | 00000/0000 2-20024/0216                        | 05/27/76         | 70             | 6837                   | 1258N                              | 12105E                              | 54.9         | 71.3         | GGGG              |                     |                      | 124                     | 50                     |
| 2491-01293        | 00000/0000 2-20024/0217                        | 05/27/76         | 50             | 6837                   | 1132N                              | 12045E                              | 54.2         | 69.5         | GGGG              |                     |                      | 124                     | 51                     |
| 2491-01300        | 00000/0000 2-20024/0218                        | 05/27/76         | 40             | 6837                   | 1006N                              | 12025E                              | 53.4         | 67.7         | GGGG              |                     |                      | 124                     | 52                     |
| 2491-01302        | 00000/0000 2-20024/0219                        | 05/27/76         | 50             | 6837                   | 0839N                              | 12005E                              | 52.7         | 66.1         | GGGG              |                     |                      | 124                     | 53                     |
| 2491-01305        | 00000/0000 2-20024/0220                        | 05/27/76         | 10             | 6837                   | 0712N                              | 11945E                              | 51.8         | 64.5         | FFGG              |                     |                      | 124                     | 54                     |
| 2491-04431        | 00000/0000 2-20024/0332                        | 05/27/76         | 10             | 6839                   | 5545N                              | 08351E                              | 51.0         | 142.2        | GGGG              |                     |                      | 160                     | 55                     |
| 2491-04433        | 00000/0000 2-20024/0333                        | 05/27/76         | 10             | 6839                   | 5421N                              | 08304E                              | 51.9         | 140.1        | GGGG              |                     |                      | 160                     | 21                     |
| 2491-04460        | 00000/0000 2-20024/0334                        | 05/27/76         | 10             | 6839                   | 4554N                              | 07907E                              | 56.2         | 127.0        | GGGG              |                     |                      | 160                     | 22                     |
| 2491-04474        | 00000/0000 2-20024/0335                        | 05/27/76         | 10             | 6839                   | 4012N                              | 07701E                              | 58.1         | 117.4        | GGGG              |                     |                      | 160                     | 28                     |
| 2491-04481        | 00000/0000 2-20024/0221                        | 05/27/76         | 20             | 6839                   | 3847N                              | 07632E                              | 58.5         | 114.8        | GGGG              |                     |                      | 160                     | 32                     |
| 2491-04483        | 00000/0000 2-20024/0222                        | 05/27/76         | 40             | 6839                   | 3721N                              | 07603E                              | 58.8         | 112.3        | GGGG              |                     |                      | 160                     | 33                     |
| 2491-04490        | 00000/0000 2-20024/0223                        | 05/27/76         | 30             | 6839                   | 3555N                              | 07536E                              | 59.1         | 109.7        | GGGG              |                     |                      | 160                     | 34                     |
| 2491-04492        | 00000/0000 2-20024/0224                        | 05/27/76         | 10             | 6839                   | 3430N                              | 07509E                              | 59.2         | 107.1        | GGGG              |                     |                      | 160                     | 35                     |
| 2491-04495        | 00000/0000 2-20024/0225                        | 05/27/76         | 10             | 6839                   | 3304N                              | 07443E                              | 59.4         | 104.4        | GGGG              |                     |                      | 160                     | 36                     |
| 2491-06263        | 00000/0000 2-20024/0226                        | 05/27/76         | 30             | 6840                   | 5544N                              | 05R01E                              | 51.0         | 142.2        | GGGG              |                     |                      | 160                     | 37                     |
| 2491-06265        | 00000/0000 2-20024/0227                        | 05/27/76         | 20             | 6840                   | 5421N                              | 05714E                              | 51.9         | 140.1        | GGGG              |                     |                      | 178                     | 21                     |
| 2491-06272        | 00000/0000 2-20024/0228                        | 05/27/76         | 20             | 6840                   | 5257N                              | 05629E                              | 52.7         | 138.0        | GGGG              |                     |                      | 178                     | 22                     |
| 2491-06274        | 00000/0000 2-20024/0229                        | 05/27/76         | 20             | 6840                   | 5133N                              | 05546E                              | 53.5         | 135.9        | GGGG              |                     |                      | 178                     | 23                     |
| 2491-06281        | 00000/0000 2-20024/0230                        | 05/27/76         | 10             | 6840                   | 5008N                              | 05506E                              | 54.2         | 133.7        | GGGG              |                     |                      | 178                     | 24                     |
| 2491-06313        | 00000/0000 2-20024/0231                        | 05/27/76         | 90             | 6840                   | 3846N                              | 05042E                              | 58.5         | 114.8        | GGGG              |                     |                      | 178                     | 25                     |
| 2491-06315        | 00000/0000 2-20024/0232                        | 05/27/76         | 90             | 6840                   | 3721N                              | 05014E                              | 58.8         | 112.2        | GGGG              |                     |                      | 178                     | 33                     |
| 2491-06322        | 00000/0000 2-20024/0233                        | 05/27/76         | 80             | 6840                   | 3555N                              | 04946E                              | 59.1         | 109.6        | GGGG              |                     |                      | 178                     | 34                     |
| 2491-06324        | 00000/0000 2-20024/0234                        | 05/27/76         | 30             | 6840                   | 3430N                              | 04920E                              | 59.2         | 107.0        | GGGG              |                     |                      | 178                     | 35                     |
| 2491-06331        | 00000/0000 2-20024/0235                        | 05/27/76         | 10             | 6840                   | 3304N                              | 04853E                              | 59.4         | 104.4        | GGGG              |                     |                      | 178                     | 36                     |
|                   |                                                |                  |                |                        |                                    |                                     |              |              |                   |                     |                      | 178                     | 37                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK, NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RVV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2491-06333        | 00000/0000                                     | 2-20026/0236     | 05/27/76       | 0               | 6840                               | 3199N                               | 0428E        | 59.4         | 101.8                 | GGGG                |                      |                         |                        |
| 2491-06340        | 00000/0000                                     | 2-20026/0237     | 05/27/76       | 0               | 6840                               | 3013N                               | 0420E        | 59.4         | 99.1                  | GGGG                |                      | 178                     | 38                     |
| 2491-08085        | 00000/0000                                     | 2-20026/0336     | 05/27/76       | 90              | 6841                               | 5824N                               | 0340E        | 49.3         | 146.3                 | GGGG                |                      | 178                     | 39                     |
| 2491-08092        | 00000/0000                                     | 2-20026/0337     | 05/27/76       | 90              | 6841                               | 5711N                               | 0330E        | 50.1         | 144.3                 | GGGG                |                      | 196                     | 19                     |
| 2491-08094        | 00000/0000                                     | 2-20026/0338     | 05/27/76       | 90              | 6841                               | 5548N                               | 0321E        | 51.0         | 142.2                 | GGGG                |                      | 196                     | 20                     |
| 2491-08101        | 00000/0000                                     | 2-20026/0339     | 05/27/76       | 50              | 6841                               | 5424N                               | 0313E        | 51.9         | 140.2                 | GGGG                |                      | 196                     | 21                     |
| 2491-08103        | 00000/0000                                     | 2-20026/0340     | 05/27/76       | 30              | 6841                               | 5300N                               | 0304E        | 52.7         | 138.1                 | GGGG                |                      | 196                     | 22                     |
| 2491-08110        | 00000/0000                                     | 2-20026/0341     | 05/27/76       | 10              | 6841                               | 5136N                               | 0300E        | 53.4         | 136.0                 | GGGG                |                      | 196                     | 23                     |
| 2491-08112        | 00000/0000                                     | 2-20026/0342     | 05/27/76       | 20              | 6841                               | 5012N                               | 0292E        | 54.2         | 133.8                 | GGGG                |                      | 196                     | 24                     |
| 2491-08115        | 00000/0000                                     | 2-20026/0343     | 05/27/76       | 10              | 6841                               | 4847N                               | 0284E        | 54.9         | 131.6                 | GGGG                |                      | 196                     | 25                     |
| 2491-08121        | 00000/0000                                     | 2-20026/0344     | 05/27/76       | 10              | 6841                               | 4722N                               | 0270E        | 55.5         | 129.4                 | GGGG                |                      | 196                     | 26                     |
| 2491-08124        | 00000/0000                                     | 2-20026/0345     | 05/27/76       | 10              | 6841                               | 4557N                               | 0273E        | 56.2         | 127.1                 | GGGG                |                      | 196                     | 27                     |
| 2491-09464        | 00000/0000                                     | 2-20026/0346     | 05/27/76       | 100             | 6842                               | 7534N                               | 0320E        | 35.8         | 180.0                 | GGGG                |                      | 196                     | 28                     |
| 2491-09494        | 00000/0000                                     | 2-20026/0347     | 05/27/76       | 10              | 6842                               | 6646N                               | 0152E        | 43.4         | 158.9                 | GGGG                |                      | 214                     | 6                      |
| 2491-09500        | 00000/0000                                     | 2-20026/0348     | 05/27/76       | 10              | 6842                               | 6526N                               | 0135E        | 44.4         | 156.7                 | GGGG                |                      | 214                     | 13                     |
| 2491-11275        | 00000/0000                                     | 2-20026/0349     | 05/27/76       | 90              | 6843                               | 8009N                               | 0343E        | 30.0         | 209.6                 | GGGG                |                      | 214                     | 14                     |
| 2491-11282        | 00000/0000                                     | 2-20026/0350     | 05/27/76       | 60              | 6843                               | 7928N                               | 0271E        | 31.2         | 202.0                 | GGGG                |                      | 231                     | 1                      |
| 2491-11284        | 00000/0000                                     | 2-20026/0221     | 05/27/76       | 70              | 6843                               | 7839N                               | 0204E        | 32.4         | 195.3                 | GGGG                |                      | 232                     | 2                      |
| 2491-11291        | 00000/0000                                     | 2-20026/0285     | 05/27/76       | 60              | 6843                               | 7742N                               | 0151E        | 33.5         | 189.5                 | GGGG                |                      | 232                     | 3                      |
| 2491-11293        | 00000/0000                                     | 2-20026/0286     | 05/27/76       | 90              | 6843                               | 7640N                               | 0103E        | 34.7         | 184.4                 | GGGG                |                      | 232                     | 4                      |
| 2491-11300        | 00000/0000                                     | 2-20026/0287     | 05/27/76       | 80              | 6843                               | 7534N                               | 0063E        | 35.8         | 179.9                 | GGGG                |                      | 232                     | 5                      |
| 2491-13111        | 00000/0000                                     | 2-20026/0288     | 05/27/76       | 60              | 6844                               | 8010N                               | 0043E        | 30.1         | 209.6                 | GGGG                |                      | 232                     | 6                      |
| 2491-13113        | 00000/0000                                     | 2-20026/0289     | 05/27/76       | 30              | 6844                               | 7929N                               | 0011E        | 31.2         | 202.0                 | GGGG                |                      | 249                     | 1                      |
| 2491-13120        | 00000/0000                                     | 2-20026/0290     | 05/27/76       | 40              | 6844                               | 7839N                               | 0050E        | 32.4         | 195.3                 | GGGG                |                      | 250                     | 2                      |
| 2491-13122        | 00000/0000                                     | 2-20026/0291     | 05/27/76       | 20              | 6844                               | 7742N                               | 0103E        | 33.5         | 189.4                 | GGGG                |                      | 250                     | 3                      |
| 2491-14565        | 00000/0000                                     | 2-20026/0292     | 05/27/76       | 60              | 6845                               | 7424N                               | 0483E        | 37.0         | 175.9                 | GGGG                |                      | 250                     | 4                      |
| 2491-15042        | 00000/0000                                     | 2-20026/0331     | 05/27/76       | 0               | 6845                               | 5010N                               | 0735E        | 54.2         | 133.7                 | GGGG                |                      | 17                      | 7                      |
| 2491-15190        | 00000/0000                                     | 2-20026/0293     | 05/27/76       | 30              | 6845                               | 0001N                               | 0826E        | 47.3         | 57.5                  | GGGG                |                      | 17                      | 25                     |
| 2491-15192        | 00000/0000                                     | 2-20026/0294     | 05/27/76       | 50              | 6845                               | 0125S                               | 0846E        | 46.3         | 56.4                  | GGGG                |                      | 17                      | 60                     |
| 2491-16374        | 00000/0000                                     | 2-20026/0295     | 05/27/76       | 10              | 6846                               | 8010N                               | 0430E        | 30.1         | 209.6                 | GGGG                |                      | 17                      | 61                     |
| 2491-16542        | 00000/0000                                     | 2-20026/0304     | 05/27/76       | 10              | 6846                               | 2722N                               | 1073E        | 59.3         | 93.8                  | GGGG                |                      | 35                      | 1                      |
| 2491-16545        | 00000/0000                                     | 2-20026/0305     | 05/27/76       | 10              | 6846                               | 2556N                               | 1075E        | 59.1         | 91.3                  | GGGG                |                      | 35                      | 41                     |
| 2491-21502        | 00000/0000                                     | 2-20026/0304     | 05/27/76       | 100             | 6849                               | 7311N                               | 1545E        | 38.1         | 172.4                 | GGGG                |                      | 35                      | 42                     |
| 2492-01331        | 00000/0000                                     | 2-20026/0306     | 05/28/76       | 80              | 6851                               | 1847N                               | 1210E        | 57.2         | 79.3                  | GGGG                |                      | 89                      | 8                      |
| 2492-01333        | 00000/0000                                     | 2-20026/0307     | 05/28/76       | 80              | 6851                               | 1721N                               | 1204E        | 56.7         | 77.1                  | GGGG                |                      | 125                     | 47                     |
| 2492-01345        | 00000/0000                                     | 2-20026/0308     | 05/28/76       | 90              | 6851                               | 1300N                               | 1194E        | 54.8         | 71.1                  | GGGG                |                      | 125                     | 48                     |
|                   |                                                |                  |                |                 |                                    |                                     |              |              |                       | GGGF                |                      | 125                     | 51                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNDECODED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANHSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2492-03181        | 00000/0000                                     | 2-20026/0309     | 05/28/76       | 60              | 6852                               | 1301N                               | 09352E       | 54.8         | 71.1              |             |                     |                      |                         |                        |
| 2492-03183        | 00000/0000                                     | 2-20026/0310     | 05/28/76       | 40              | 6852                               | 1135N                               | 09331E       | 54.1         | 69.3              | GGGG        |                     |                      | 143                     | 51                     |
| 2492-03190        | 00000/0000                                     | 2-20026/0311     | 05/28/76       | 10              | 6852                               | 1009N                               | 09311E       | 53.4         | 67.5              | FGGG        |                     |                      | 143                     | 52                     |
| 2492-03192        | 00000/0000                                     | 2-20026/0312     | 05/28/76       | 10              | 6852                               | 0842N                               | 09250E       | 52.6         | 65.8              | FGGG        |                     |                      | 143                     | 53                     |
| 2492-03195        | 00000/0000                                     | 2-20026/0313     | 05/28/76       | 10              | 6852                               | 0715N                               | 09229E       | 51.8         | 64.2              | FGGG        |                     |                      | 143                     | 54                     |
| 2492-03201        | 00000/0000                                     | 2-20026/0314     | 05/28/76       | 30              | 6852                               | 0548N                               | 09209E       | 50.9         | 62.7              | GGGG        |                     |                      | 143                     | 55                     |
| 2492-03204        | 00000/0000                                     | 2-20026/0315     | 05/28/76       | 20              | 6852                               | 0421N                               | 09149E       | 50.1         | 61.3              | GGGG        |                     |                      | 143                     | 56                     |
| 2492-04480        | 00000/0000                                     | 2-20026/0238     | 05/28/76       | 50              | 6853                               | 5835N                               | 08415E       | 49.4         | 146.1             | GGGG        |                     |                      | 143                     | 57                     |
| 2492-04483        | 00000/0000                                     | 2-20026/0239     | 05/28/76       | 90              | 6853                               | 5711N                               | 08320E       | 50.3         | 144.1             | GGGG        |                     |                      | 161                     | 19                     |
| 2492-04485        | 00000/0000                                     | 2-20026/0240     | 05/28/76       | 90              | 6853                               | 5547N                               | 08228E       | 51.1         | 142.1             | FGGG        |                     |                      | 161                     | 20                     |
| 2492-04492        | 00000/0000                                     | 2-20026/0241     | 05/28/76       | 80              | 6853                               | 5423N                               | 08141E       | 52.0         | 140.0             | GGGG        |                     |                      | 161                     | 21                     |
| 2492-04494        | 00000/0000                                     | 2-20026/0242     | 05/28/76       | 80              | 6853                               | 5259N                               | 08055E       | 52.8         | 137.9             | GGGG        |                     |                      | 161                     | 22                     |
| 2492-04501        | 00000/0000                                     | 2-20026/0243     | 05/28/76       | 30              | 6853                               | 5135N                               | 08013E       | 53.6         | 135.8             | GGGG        |                     |                      | 161                     | 23                     |
| 2492-04503        | 00000/0000                                     | 2-20026/0244     | 05/28/76       | 10              | 6853                               | 5011N                               | 07932E       | 54.3         | 133.6             | GGGG        |                     |                      | 161                     | 24                     |
| 2492-04524        | 00000/0000                                     | 2-20026/0245     | 05/28/76       | 10              | 6853                               | 4305N                               | 07636E       | 57.3         | 122.1             | GGGG        |                     |                      | 161                     | 25                     |
| 2492-04542        | 00000/0000                                     | 2-20026/0246     | 05/28/76       | 10              | 6853                               | 3724N                               | 07439E       | 58.9         | 112.0             | GGGG        |                     |                      | 161                     | 30                     |
| 2492-04544        | 00000/0000                                     | 2-20026/0316     | 05/28/76       | 10              | 6853                               | 3558N                               | 07411E       | 59.1         | 109.4             | GGGG        |                     |                      | 161                     | 34                     |
| 2492-04551        | 00000/0000                                     | 2-20026/0317     | 05/28/76       | 10              | 6853                               | 3432N                               | 07345E       | 59.3         | 106.8             | GGGG        |                     |                      | 161                     | 35                     |
| 2492-04553        | 00000/0000                                     | 2-20026/0318     | 05/28/76       | 0               | 6853                               | 3307N                               | 07319E       | 59.4         | 104.2             | GGGG        |                     |                      | 161                     | 36                     |
| 2492-06312        | 00000/0000                                     | 2-20026/0319     | 05/28/76       | 10              | 6854                               | 5834N                               | 05A23E       | 49.4         | 146.1             | GGGF        |                     |                      | 161                     | 37                     |
| 2492-06314        | 00000/0000                                     | 2-20026/0320     | 05/28/76       | 10              | 6854                               | 5711N                               | 05729E       | 50.3         | 144.1             | GGGF        |                     |                      | 179                     | 19                     |
| 2492-06321        | 00000/0000                                     | 2-20026/0321     | 05/28/76       | 10              | 6854                               | 5548N                               | 05638E       | 51.2         | 142.1             | GGGG        |                     |                      | 179                     | 20                     |
| 2492-06323        | 00000/0000                                     | 2-20026/0322     | 05/28/76       | 10              | 6854                               | 5424N                               | 05551E       | 52.0         | 140.0             | GGGG        |                     |                      | 179                     | 21                     |
| 2492-06330        | 00000/0000                                     | 2-20026/0323     | 05/28/76       | 10              | 6854                               | 5259N                               | 05505E       | 52.8         | 137.9             | GGGG        |                     |                      | 179                     | 22                     |
| 2492-06332        | 00000/0000                                     | 2-20026/0324     | 05/28/76       | 10              | 6854                               | 5135N                               | 05423E       | 53.6         | 135.8             | GGGG        |                     |                      | 179                     | 23                     |
| 2492-06335        | 00000/0000                                     | 2-20026/0325     | 05/28/76       | 10              | 6854                               | 5010N                               | 05343E       | 54.3         | 133.6             | GGGG        |                     |                      | 179                     | 24                     |
| 2492-06364        | 00000/0000                                     | 2-20026/0326     | 05/23/76       | 80              | 6854                               | 4014N                               | 04946E       | 58.2         | 117.1             | GGGG        |                     |                      | 179                     | 25                     |
| 2492-06371        | 00000/0000                                     | 2-20026/0327     | 05/28/76       | 70              | 6854                               | 3849N                               | 04917E       | 58.6         | 114.6             | GGGG        |                     |                      | 179                     | 32                     |
| 2492-06385        | 00000/0000                                     | 2-20026/0328     | 05/28/76       | 10              | 6854                               | 3307N                               | 04729E       | 59.4         | 104.1             | GGGG        |                     |                      | 179                     | 33                     |
| 2492-06391        | 00000/0000                                     | 2-20026/0329     | 05/28/76       | 0               | 6854                               | 3142N                               | 04703E       | 59.5         | 101.5             | GGGG        |                     |                      | 179                     | 37                     |
| 2492-08141        | 00000/0000                                     | 2-20026/0247     | 05/28/76       | 10              | 6855                               | 5947N                               | 03331E       | 48.5         | 148.2             | GGGG        |                     |                      | 197                     | 18                     |
| 2492-08143        | 00000/0000                                     | 2-20026/0248     | 05/28/76       | 10              | 6855                               | 5834N                               | 03234E       | 49.4         | 146.1             | GGGG        |                     |                      | 197                     | 19                     |
| 2492-08150        | 00000/0000                                     | 2-20026/0249     | 05/28/76       | 90              | 6855                               | 5711N                               | 03140E       | 50.3         | 144.1             | GGGG        |                     |                      | 197                     | 20                     |
| 2492-08152        | 00000/0000                                     | 2-20026/0364     | 05/28/76       | 90              | 6855                               | 5547N                               | 03049E       | 51.2         | 142.0             | GGGG        |                     |                      | 197                     | 21                     |
| 2492-08155        | 00000/0000                                     | 2-20026/0365     | 05/28/76       | 40              | 6855                               | 5423N                               | 03001E       | 52.0         | 140.0             | GGGG        |                     |                      | 197                     | 22                     |
| 2492-08161        | 00000/0000                                     | 2-20026/0366     | 05/28/76       | 10              | 6855                               | 5259N                               | 02916F       | 52.8         | 137.9             | GGGG        |                     |                      | 197                     | 23                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
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FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2492-08164        | 00000/0000                                     | 2-20026/0367     | 05/28/76              | 10              | 6855                               | 5134N                               | 02834E       | 53.6         | 135.7             | GGGF                |                      | 197                     | 24                     |
| 2492-08170        | 00000/0000                                     | 2-20026/0368     | 05/28/76              | 10              | 6855                               | 5009N                               | 02753E       | 54.3         | 133.6             | GGGG                |                      | 197                     | 25                     |
| 2492-08173        | 00000/0000                                     | 2-20026/0369     | 05/28/76              | 10              | 6855                               | 4845N                               | 02715E       | 55.0         | 131.4             | GGGG                |                      | 197                     | 26                     |
| 2492-08175        | 00000/0000                                     | 2-20026/0370     | 05/28/76              | 10              | 6855                               | 4721N                               | 02639E       | 55.7         | 129.1             | GGGG                |                      | 197                     | 27                     |
| 2492-08243        | 00000/0000                                     | 2-20026/0351     | 05/28/76              | 80              | 6855                               | 2429N                               | 01916E       | 58.8         | 88.6              | GGGG                |                      | 197                     | 43                     |
| 2492-08250        | 00000/0000                                     | 2-20026/0352     | 05/28/76              | 20              | 6855                               | 2343N                               | 01854E       | 58.5         | 86.1              | GGGG                |                      | 197                     | 44                     |
| 2492-08252        | 00000/0000                                     | 2-20026/0353     | 05/28/76              | 0               | 6855                               | 2137N                               | 01832E       | 58.1         | 83.8              | GGGG                |                      | 197                     | 45                     |
| 2492-08273        | 00000/0000                                     | 2-20026/0354     | 05/28/76              | 30              | 6855                               | 1425N                               | 01645E       | 55.5         | 72.9              | GGGG                |                      | 197                     | 50                     |
| 2492-08275        | 00000/0000                                     | 2-20026/0355     | 05/28/76              | 10              | 6855                               | 1259N                               | 01624E       | 54.8         | 71.0              | GGGG                |                      | 197                     | 51                     |
| 2492-08282        | 00000/0000                                     | 2-20026/0356     | 05/28/76              | 10              | 6855                               | 1132N                               | 01603E       | 54.1         | 69.2              | GGGG                |                      | 197                     | 52                     |
| 2492-08284        | 00000/0000                                     | 2-20026/0357     | 05/28/76              | 10              | 6855                               | 1005N                               | 01543E       | 53.4         | 67.4              | GGGF                |                      | 197                     | 53                     |
| 2492-09522        | 00000/0000                                     | 2-20026/0358     | 05/28/76              | 90              | 6856                               | 7533N                               | 03051E       | 36.0         | 179.8             | GGGG                |                      | 215                     | 4                      |
| 2492-09552        | 00000/0000                                     | 2-20026/0359     | 05/28/76              | 10              | 6856                               | 6645N                               | 01357E       | 43.6         | 158.8             | GGGG                |                      | 215                     | 13                     |
| 2492-09554        | 00000/0000                                     | 2-20026/0360     | 05/28/76              | 10              | 6856                               | 6525N                               | 01228E       | 44.6         | 156.5             | GGGG                |                      | 215                     | 14                     |
| 2492-11334        | 00000/0000                                     | 2-20026/0361     | 05/28/76              | 70              | 6857                               | 8009N                               | 03254E       | 30.2         | 209.5             | GGGG                |                      | 233                     | 1                      |
| 2492-11340        | 00000/0000                                     | 2-20026/0362     | 05/28/76              | 20              | 6857                               | 7928N                               | 02536E       | 31.4         | 201.9             | GGGG                |                      | 233                     | 2                      |
| 2492-11343        | 00000/0000                                     | 2-20026/0363     | 05/28/76              | 40              | 6857                               | 7838N                               | 01913E       | 32.6         | 195.2             | GGGG                |                      | 233                     | 3                      |
| 2492-11345        | 00000/0000                                     | 2-20026/0381     | 05/28/76              | 40              | 6857                               | 7741N                               | 01342E       | 33.7         | 189.3             | GGGG                |                      | 233                     | 4                      |
| 2492-11352        | 00000/0000                                     | 2-20026/0382     | 05/28/76              | 60              | 6857                               | 7649N                               | 00859E       | 34.9         | 184.3             | GGGG                |                      | 233                     | 5                      |
| 2492-13165        | 00000/0000                                     | 2-20026/0383     | 05/28/76              | 60              | 6858                               | 8009N                               | 00701E       | 30.2         | 209.4             | GGGG                |                      | 251                     | 1                      |
| 2492-13172        | 00000/0000                                     | 2-20026/0384     | 05/28/76              | 90              | 6858                               | 7928N                               | 00017W       | 31.4         | 201.8             | GFGG                |                      | 251                     | 2                      |
| 2492-13174        | 00000/0000                                     | 2-20026/0385     | 05/28/76              | 40              | 6858                               | 7838N                               | 00640W       | 32.6         | 195.1             | GGGG                |                      | 251                     | 3                      |
| 2492-13181        | 00000/0000                                     | 2-20026/0386     | 05/28/76              | 10              | 6858                               | 7741N                               | 01211W       | 33.7         | 189.3             | GGGG                |                      | 251                     | 4                      |
| 2492-15001        | 00000/0000                                     | 2-20026/0387     | 05/28/76              | 20              | 6859                               | 8009N                               | 01847W       | 30.3         | 209.4             | GFGG                |                      | 18                      | 1                      |
| 2492-15101        | 00000/0000                                     | 2-20026/0392     | 05/28/76              | 10              | 6859                               | 5009N                               | 07522W       | 54.4         | 133.5             | GGGF                |                      | 18                      | 25                     |
| 2492-15244        | 00000/0000                                     | 2-20026/0388     | 05/28/76              | 60              | 6859                               | 0002N                               | 08952W       | 47.2         | 57.3              | GGGG                |                      | 18                      | 60                     |
| 2492-15251        | 00000/0000                                     | 2-20026/0389     | 05/28/76              | 60              | 6859                               | 0124S                               | 09011W       | 46.2         | 56.2              | GGGG                |                      | 18                      | 61                     |
| 2492-16444        | 00000/0000                                     | 2-20026/0390     | 05/28/76              | 10              | 6860                               | 7741N                               | 06345W       | 33.7         | 189.3             | GFGG                |                      | 36                      | 4                      |
| 2492-16530        | 00000/0000                                     | 2-20026/0330     | 05/28/76              | 10              | 6860                               | 5133N                               | 10031W       | 53.6         | 135.6             | GGGG                |                      | 36                      | 24                     |
| 2492-18270        | 00000/0000                                     | 2-20026/0391     | 05/28/76              | 10              | 6861                               | 7928N                               | 07751W       | 31.5         | 201.8             | GGGG                |                      | 54                      | 2                      |
| 2492-20134        | 00000/0000                                     | 2-20026/0315     | 05/28/76              | 50              | 6862                               | 7041N                               | 13524W       | 40.5         | 166.2             | GGGG                |                      | 72                      | 10                     |
| 2493-01294        | 00000/0000                                     | 2-20026/0371     | 05/29/76              | 20              | 6865                               | 5011N                               | 129.4E       | 54.4         | 133.4             | GGGG                |                      | 126                     | 25                     |
| 2493-01301        | 00000/0000                                     | 2-20026/0372     | 05/29/76              | 40              | 6865                               | 4846N                               | 12905E       | 55.1         | 131.2             | GGGG                |                      | 126                     | 26                     |
| 2493-01303        | 00000/0000                                     | 2-20026/0373     | 05/29/76              | 10              | 6865                               | 4721N                               | 12829E       | 55.7         | 129.0             | GFGG                |                      | 126                     | 27                     |
| 2493-01310        | 00000/0000                                     | 2-20026/0374     | 05/29/76              | 10              | 6865                               | 4556N                               | 12753E       | 56.4         | 126.6             | GGGG                |                      | 126                     | 28                     |
| 2493-01315        | 00000/0000                                     | 2-20026/0375     | 05/29/76              | 20              | 6865                               | 4306N                               | 12647E       | 57.4         | 121.9             | GGGG                |                      | 126                     | 30                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                              |                             |                  |                |                 |                                         |              |              | 123 45678             |                     |                      |                         |                        |
| 2493-01321        | 00000/0000                   | 2-20026/0376                | 05/29/76         | 30             | 6865            | 4141N 12616E                            | 57.9         | 119.4        | GGGG                  |                     |                      | 126                     | 31                     |
| 2493-01324        | 00000/0000                   | 2-20026/0377                | 05/29/76         | 10             | 6865            | 4015N 12547E                            | 56.3         | 116.9        | FGGG                  |                     |                      | 126                     | 32                     |
| 2493-01385        | 00000/0000                   | 2-20026/0378                | 05/29/76         | 70             | 6865            | 1846N 11939E                            | 57.2         | 79.0         | GGFG                  |                     |                      | 126                     | 47                     |
| 2493-01392        | 00000/0000                   | 2-20026/0379                | 05/29/76         | 80             | 6865            | 1720N 11918E                            | 56.7         | 76.8         | GGGG                  |                     |                      | 126                     | 46                     |
| 2493-01394        | 00000/0000                   | 2-20026/0380                | 05/29/76         | 90             | 6865            | 1554N 11857E                            | 56.1         | 74.7         | GGGG                  |                     |                      | 126                     | 49                     |
| 2493-03241        | 00000/0000                   | 2-20026/0250                | 05/29/76         | 50             | 6866            | 1134N 09205E                            | 54.1         | 69.0         | GGGG                  |                     |                      | 144                     | 52                     |
| 2493-03244        | 00000/0000                   | 2-20026/0251                | 05/29/76         | 10             | 6866            | 1008N 09145E                            | 53.3         | 67.2         | GGGG                  |                     |                      | 144                     | 53                     |
| 2493-03250        | 00000/0000                   | 2-20026/0252                | 05/29/76         | 10             | 6866            | 0842N 09125E                            | 52.5         | 65.6         | GGFG                  |                     |                      | 144                     | 54                     |
| 2493-03253        | 00000/0000                   | 2-20026/0253                | 05/29/76         | 20             | 6866            | 0714N 09104E                            | 51.7         | 64.0         | GGGG                  |                     |                      | 144                     | 55                     |
| 2493-03255        | 00000/0000                   | 2-20026/0254                | 05/29/76         | 70             | 6866            | 0548N 09043E                            | 50.8         | 62.5         | GGGG                  |                     |                      | 144                     | 56                     |
| 2493-03262        | 00000/0000                   | 2-20026/0255                | 05/29/76         | 30             | 6866            | 0421N 09023E                            | 50.0         | 61.1         | GGGG                  |                     |                      | 144                     | 57                     |
| 2493-04543        | 00000/0000                   | 2-20026/0398                | 05/29/76         | 70             | 6867            | 5548N 08100E                            | 51.3         | 141.9        | GGGG                  |                     |                      | 162                     | 21                     |
| 2493-04550        | 00000/0000                   | 2-20026/0399                | 05/29/76         | 60             | 6867            | 5424N 08012E                            | 52.1         | 139.8        | GGGG                  |                     |                      | 162                     | 22                     |
| 2493-04552        | 00000/0000                   | 2-20026/0400                | 05/29/76         | 60             | 6867            | 5259N 07928E                            | 52.9         | 137.7        | FGGG                  |                     |                      | 162                     | 23                     |
| 2493-04555        | 00000/0000                   | 2-20026/0404                | 05/29/76         | 40             | 6867            | 5135N 07845E                            | 53.7         | 135.6        | GGGG                  |                     |                      | 162                     | 24                     |
| 2493-04561        | 00000/0000                   | 2-20026/0402                | 05/29/76         | 10             | 6867            | 5011N 07805E                            | 54.4         | 133.4        | GGGG                  |                     |                      | 162                     | 25                     |
| 2493-04582        | 00000/0000                   | 2-20026/0403                | 05/29/76         | 0              | 6867            | 4305N 07510E                            | 57.4         | 121.8        | FGGG                  |                     |                      | 162                     | 30                     |
| 2493-05000        | 00000/0000                   | 2-20026/0404                | 05/29/76         | 10             | 6867            | 3723N 07310E                            | 58.9         | 111.7        | GGGG                  |                     |                      | 162                     | 34                     |
| 2493-05002        | 00000/0000                   | 2-20026/0405                | 05/29/76         | 0              | 6867            | 3558N 07243E                            | 59.2         | 109.1        | GGGG                  |                     |                      | 162                     | 35                     |
| 2493-05005        | 00000/0000                   | 2-20026/0406                | 05/29/76         | 0              | 6867            | 3432N 07216E                            | 59.4         | 106.5        | GGFG                  |                     |                      | 162                     | 36                     |
| 2493-05011        | 00000/0000                   | 2-20026/0407                | 05/29/76         | 0              | 6867            | 3307N 07151E                            | 59.5         | 103.8        | GGGG                  |                     |                      | 162                     | 37                     |
| 2493-06384        | 00000/0000                   | 2-20026/0408                | 05/29/76         | 30             | 6868            | 5259N 05337E                            | 52.9         | 137.7        | FGGG                  |                     |                      | 180                     | 23                     |
| 2493-06391        | 00000/0000                   | 2-20026/0397                | 05/29/76         | 20             | 6868            | 5135N 05255E                            | 53.7         | 135.6        | P GG                  |                     |                      | 180                     | 24                     |
| 2493-06420        | 00000/0000                   | 2-20026/0409                | 05/29/76         | 60             | 6868            | 4139N 04849E                            | 57.9         | 119.3        | FGFF                  |                     |                      | 180                     | 31                     |
| 2493-06434        | 00000/0000                   | 2-20026/0410                | 05/29/76         | 10             | 6868            | 3558N 04654E                            | 59.2         | 109.1        | GGGG                  |                     |                      | 180                     | 35                     |
| 2493-06441        | 00000/0000                   | 2-20026/0411                | 05/29/76         | 0              | 6868            | 3432N 04628E                            | 59.4         | 106.4        | GGGF                  |                     |                      | 180                     | 36                     |
| 2493-06443        | 00000/0000                   | 2-20026/0412                | 05/29/76         | 0              | 6868            | 3306N 04401E                            | 59.5         | 103.8        | GGGF                  |                     |                      | 180                     | 37                     |
| 2493-08211        | 00000/0000                   | 2-20026/0413                | 05/29/76         | 70             | 6869            | 5547N 02924E                            | 51.3         | 141.9        | GGFF                  |                     |                      | 198                     | 21                     |
| 2493-08213        | 00000/0000                   | 2-20026/0414                | 05/29/76         | 30             | 6869            | 5423N 02836E                            | 52.2         | 139.8        | GGGG                  |                     |                      | 198                     | 22                     |
| 2493-08231        | 00000/0000                   | 2-20026/0256                | 05/29/76         | 90             | 6869            | 4844N 02549E                            | 55.1         | 131.1        | GGGG                  |                     |                      | 198                     | 26                     |
| 2493-08302        | 00000/0000                   | 2-20026/0257                | 05/29/76         | 60             | 6869            | 2430N 01751E                            | 58.8         | 88.2         | GGGG                  |                     |                      | 198                     | 43                     |
| 2493-08304        | 00000/0000                   | 2-20026/0258                | 05/29/76         | 60             | 6869            | 2304N 01728E                            | 58.5         | 85.8         | GGGG                  |                     |                      | 198                     | 44                     |
| 2493-08311        | 00000/0000                   | 2-20026/0259                | 05/29/76         | 0              | 6869            | 2138N 01706E                            | 58.1         | 83.4         | GGGG                  |                     |                      | 198                     | 45                     |
| 2493-08325        | 00000/0000                   | 2-20026/0260                | 05/29/76         | 70             | 6869            | 1552N 01540E                            | 56.1         | 74.6         | GGGG                  |                     |                      | 198                     | 49                     |
| 2493-08331        | 00000/0000                   | 2-20026/0261                | 05/29/76         | 60             | 6869            | 1426N 01519E                            | 55.4         | 72.6         | GGGG                  |                     |                      | 198                     | 50                     |
| 2493-08334        | 00000/0000                   | 2-20026/0262                | 05/29/76         | 10             | 6869            | 1259N 01458E                            | 54.8         | 70.7         | GGGG                  |                     |                      | 198                     | 51                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SPLIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LRNG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2493-08340        | 00000/0000                   | 2-20026/0263                | 05/29/76         | 0              | 6869            | 1133N                        | 01438E        | 54.0         | 68.9         | GGGG                               |                     |                      |                         |                        |
| 2493-08343        | 00000/0000                   | 2-20026/0264                | 05/29/76         | 10             | 6869            | 1007N                        | 01418E        | 53.3         | 67.2         | GGGG                               |                     |                      | 198                     | 52                     |
| 2493-08345        | 00000/0000                   | 2-20026/0445                | 05/29/76         | 10             | 6869            | 0840N                        | 01357E        | 52.5         | 65.5         | GGGG                               |                     |                      | 198                     | 53                     |
| 2493-09574        | 00000/0000                   | 2-20026/0446                | 05/29/76         | 80             | 6870            | 7640N                        | 03321E        | 35.0         | 184.2        | GGGG                               |                     |                      | 198                     | 54                     |
| 2493-09581        | 00000/0000                   | 2-20026/0447                | 05/29/76         | 80             | 6870            | 7534N                        | 02920E        | 36.1         | 179.7        | GGGG                               |                     |                      | 216                     | 5                      |
| 2493-11392        | 00000/0000                   | 2-20026/0448                | 05/29/76         | 60             | 6871            | 8008N                        | 03122E        | 30.4         | 209.3        | GGGG                               |                     |                      | 216                     | 6                      |
| 2493-11394        | 00000/0000                   | 2-20026/0449                | 05/29/76         | 40             | 6871            | 7927N                        | 02403E        | 31.6         | 201.7        | GGGG                               |                     |                      | 234                     | 1                      |
| 2493-11401        | 00000/0000                   | 2-20026/0450                | 05/29/76         | 40             | 6871            | 7838N                        | 01745E        | 32.7         | 195.0        | GGGG                               |                     |                      | 234                     | 2                      |
| 2493-11403        | 00000/0000                   | 2-20026/0451                | 05/29/76         | 80             | 6871            | 7742N                        | 01219E        | 33.9         | 189.2        | GGGG                               |                     |                      | 234                     | 3                      |
| 2493-11410        | 00000/0000                   | 2-20026/0452                | 05/29/76         | 90             | 6871            | 7640N                        | 00737E        | 35.0         | 184.1        | GGGG                               |                     |                      | 234                     | 4                      |
| 2493-13223        | 00000/0000                   | 2-20026/0453                | 05/29/76         | 10             | 6872            | 8010N                        | 00526E        | 30.4         | 209.2        | GGGG                               |                     |                      | 234                     | 5                      |
| 2493-13230        | 00000/0000                   | 2-20026/0454                | 05/29/76         | 10             | 6872            | 7929N                        | 00151W        | 31.6         | 201.6        | GGGG                               |                     |                      | 1                       | 1                      |
| 2493-13232        | 00000/0000                   | 2-20026/0455                | 05/29/76         | 10             | 6872            | 7839N                        | 00R10W        | 32.8         | 195.0        | GGGG                               |                     |                      | 1                       | 2                      |
| 2493-13235        | 00000/0000                   | 2-20026/0456                | 05/29/76         | 10             | 6872            | 7742N                        | 01338W        | 33.9         | 189.2        | GGGG                               |                     |                      | 1                       | 3                      |
| 2493-15055        | 00000/0000                   | 2-20026/0457                | 05/29/76         | 10             | 6873            | 8009N                        | 02020W        | 30.4         | 209.2        | GGGG                               |                     |                      | 1                       | 4                      |
| 2493-15153        | 00000/0000                   | 2-20026/0916                | 05/29/76         | 30             | 6873            | 5133N                        | 07608W        | 53.8         | 135.4        | GGGG                               |                     |                      | 19                      | 1                      |
| 2493-15155        | 00000/0000                   | 2-20026/0917                | 05/29/76         | 10             | 6873            | 5049N                        | 07648W        | 54.5         | 133.3        | GGGG                               |                     |                      | 19                      | 24                     |
| 2493-16493        | 00000/0000                   | 2-20026/0458                | 05/29/76         | 90             | 6874            | 7928N                        | 05329W        | 31.6         | 201.6        | GGGG                               |                     |                      | 19                      | 25                     |
| 2493-16584        | 00000/0000                   | 2-20026/0472                | 05/29/76         | 10             | 6874            | 5134N                        | 10157W        | 53.8         | 135.4        | GGGG                               |                     |                      | 37                      | 2                      |
| 2494-01350        | 00000/0000                   | 2-20026/0265                | 05/30/76         | 10             | 6879            | 5134N                        | 12859E        | 53.8         | 135.4        | GGGG                               |                     |                      | 37                      | 24                     |
| 2494-01353        | 00000/0000                   | 2-20026/0266                | 05/30/76         | 10             | 6879            | 5010N                        | 12819E        | 54.5         | 133.2        | GGGG                               |                     |                      | 127                     | 24                     |
| 2494-01355        | 00000/0000                   | 2-20026/0267                | 05/30/76         | 50             | 6879            | 4846N                        | 12741E        | 55.2         | 131.0        | GGGG                               |                     |                      | 127                     | 25                     |
| 2494-01362        | 00000/0000                   | 2-20026/0268                | 05/30/76         | 90             | 6879            | 4720N                        | 12705E        | 55.9         | 128.7        | GGGG                               |                     |                      | 127                     | 26                     |
| 2494-01364        | 00000/0000                   | 2-20026/0269                | 05/30/76         | 100            | 6879            | 4555N                        | 12629E        | 56.5         | 126.4        | GGGG                               |                     |                      | 127                     | 27                     |
| 2494-01371        | 00000/0000                   | 2-20026/0270                | 05/30/76         | 100            | 6879            | 4430N                        | 12556E        | 57.0         | 124.0        | GGGG                               |                     |                      | 127                     | 28                     |
| 2494-01373        | 00000/0000                   | 2-20026/0271                | 05/30/76         | 100            | 6879            | 4306N                        | 12523E        | 57.5         | 121.6        | GGGG                               |                     |                      | 127                     | 29                     |
| 2494-01380        | 00000/0000                   | 2-20026/0272                | 05/30/76         | 80             | 6879            | 4140N                        | 12453E        | 58.0         | 119.1        | GGGG                               |                     |                      | 127                     | 30                     |
| 2494-01382        | 00000/0000                   | 2-20026/0273                | 05/30/76         | 10             | 6879            | 4015N                        | 12423E        | 58.4         | 116.6        | GGGG                               |                     |                      | 127                     | 31                     |
| 2494-01385        | 00000/0000                   | 2-20026/0274                | 05/30/76         | 10             | 6879            | 3849N                        | 12354E        | 58.7         | 114.0        | GGGG                               |                     |                      | 127                     | 32                     |
| 2494-03175        | 00000/0000                   | 2-20026/0415                | 05/30/76         | 10             | 6880            | 5258N                        | 10351E        | 53.0         | 137.5        | GGGG                               |                     |                      | 127                     | 33                     |
| 2494-03182        | 00000/0000                   | 2-20026/0416                | 05/30/76         | 70             | 6880            | 5134N                        | 10309E        | 53.8         | 135.4        | GGGG                               |                     |                      | 145                     | 23                     |
| 2494-03184        | 00000/0000                   | 2-20026/0417                | 05/30/76         | 100            | 6880            | 5009N                        | 10229E        | 54.5         | 133.2        | GGGG                               |                     |                      | 145                     | 24                     |
| 2494-03275        | 00000/0000                   | 2-20026/0459                | 05/30/76         | 50             | 6880            | 1844N                        | 09225E        | 57.2         | 78.6         | GGGG                               |                     |                      | 145                     | 25                     |
| 2494-03282        | 00000/0000                   | 2-20026/0460                | 05/30/76         | 30             | 6880            | 1718N                        | 09203E        | 56.6         | 76.5         | GGGG                               |                     |                      | 145                     | 47                     |
| 2494-03284        | 00000/0000                   | 2-20026/0461                | 05/30/76         | 30             | 6880            | 1552N                        | 09141E        | 56.0         | 74.4         | GGGG                               |                     |                      | 145                     | 48                     |
| 2494-03291        | 00000/0000                   | 2-20026/0462                | 05/30/76         | 20             | 6880            | 1426N                        | 09120E        | 55.4         | 72.4         | GGGG                               |                     |                      | 145                     | 49                     |

## KEYS:

CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA<br>MODE | MSS<br>MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-------------------|----------------------------|-----------------------------|-------------------------|------------------------|
| 2494-03293        | 00000/0000 2-20026/0463                        | 05/30/76         | 70             | 6880            | 1259N                        | 09059E        | 54.7         | 70.5         | FFFF              |                            |                             | 145                     | 51                     |
| 2494-03300        | 00000/0000 2-20026/0464                        | 05/30/76         | 80             | 6880            | 1133N                        | 09039E        | 54.0         | 68.7         | GGGG              |                            |                             | 145                     | 52                     |
| 2494-03302        | 00000/0000 2-20026/0465                        | 05/30/76         | 90             | 6880            | 1007N                        | 09019E        | 53.2         | 67.0         | GGGG              |                            |                             | 145                     | 53                     |
| 2494-03305        | 00000/0000 2-20026/0466                        | 05/30/76         | 40             | 6880            | 0841N                        | 08959E        | 52.4         | 65.3         | GGGG              |                            |                             | 145                     | 54                     |
| 2494-03311        | 00000/0000 2-20026/0467                        | 05/30/76         | 10             | 6880            | 0714N                        | 08939E        | 51.6         | 63.8         | GGGF              |                            |                             | 145                     | 55                     |
| 2494-03314        | 00000/0000 2-20026/0468                        | 05/30/76         | 10             | 6880            | 0547N                        | 08918E        | 50.7         | 62.3         | GGGG              |                            |                             | 145                     | 56                     |
| 2494-04593        | 00000/0000 2-20026/0097                        | 05/30/76         | 80             | 6881            | 5834N                        | 08116E        | 49.7         | 145.8        | FGGG              |                            |                             | 163                     | 19                     |
| 2494-04595        | 00000/0000 2-20026/0098                        | 05/30/76         | 80             | 6881            | 5710N                        | 08023E        | 50.6         | 143.8        | GGGG              |                            |                             | 163                     | 20                     |
| 2494-05002        | 00000/0000 2-20026/0099                        | 05/30/76         | 50             | 6881            | 5546N                        | 07932E        | 51.4         | 141.7        | GGGG              |                            |                             | 163                     | 21                     |
| 2494-05004        | 00000/0000 2-20026/0100                        | 05/30/76         | 20             | 6881            | 5422N                        | 07845E        | 52.3         | 139.6        | GGGG              |                            |                             | 163                     | 22                     |
| 2494-05011        | 00000/0000 2-20026/0101                        | 05/30/76         | 10             | 6881            | 5258N                        | 07800E        | 53.1         | 137.5        | GGGG              |                            |                             | 163                     | 23                     |
| 2494-05013        | 00000/0000 2-20026/0418                        | 05/30/76         | 0              | 6881            | 5134N                        | 07717E        | 53.8         | 135.4        | GGGG              |                            |                             | 163                     | 24                     |
| 2494-05020        | 00000/0000 2-20026/0419                        | 05/30/76         | 50             | 6881            | 5009N                        | 07637E        | 54.5         | 133.2        | FGGG              |                            |                             | 163                     | 25                     |
| 2494-05054        | 00000/0000 2-20026/0420                        | 05/30/76         | 0              | 6881            | 3722N                        | 07143E        | 59.0         | 111.4        | GGGG              |                            |                             | 163                     | 34                     |
| 2494-05061        | 00000/0000 2-20026/0421                        | 05/30/76         | 0              | 6881            | 3556N                        | 07116E        | 59.2         | 108.8        | GGGG              |                            |                             | 163                     | 35                     |
| 2494-05063        | 00000/0000 2-20026/0422                        | 05/30/76         | 0              | 6881            | 3430N                        | 07050E        | 59.4         | 106.1        | GGGG              |                            |                             | 163                     | 36                     |
| 2494-05070        | 00000/0000 2-20026/0423                        | 05/30/76         | 0              | 6881            | 3305N                        | 07024E        | 59.5         | 103.5        | FGGG              |                            |                             | 163                     | 37                     |
| 2494-06424        | 00000/0000 2-20026/0424                        | 05/30/76         | 90             | 6882            | 5833N                        | 05530E        | 49.7         | 145.8        | GGGG              |                            |                             | 181                     | 19                     |
| 2494-06431        | 00000/0000 2-20026/0425                        | 05/30/76         | 50             | 6882            | 5710N                        | 05436E        | 50.6         | 143.8        | GGGG              |                            |                             | 181                     | 20                     |
| 2494-06433        | 00000/0000 2-20026/0426                        | 05/30/76         | 30             | 6882            | 5546N                        | 05346E        | 51.4         | 141.7        | GGGG              |                            |                             | 181                     | 21                     |
| 2494-06440        | 00000/0000 2-20026/0427                        | 05/30/76         | 10             | 6882            | 5422N                        | 05258E        | 52.3         | 139.6        | FGGG              |                            |                             | 181                     | 22                     |
| 2494-06442        | 00000/0000 2-20026/0428                        | 05/30/76         | 20             | 6882            | 5258N                        | 05213E        | 53.1         | 137.5        | GGGG              |                            |                             | 181                     | 23                     |
| 2494-06445        | 00000/0000 2-20026/0429                        | 05/30/76         | 30             | 6882            | 5134N                        | 05131E        | 53.8         | 135.4        | GGGG              |                            |                             | 181                     | 24                     |
| 2494-06451        | 00000/0000 2-20026/0430                        | 05/30/76         | 50             | 6882            | 5009N                        | 05050E        | 54.6         | 133.2        | GGGF              |                            |                             | 181                     | 25                     |
| 2494-06472        | 00000/0000 2-20026/0431                        | 05/30/76         | 40             | 6882            | 4304N                        | 04755E        | 57.5         | 121.5        | FFGF              |                            |                             | 181                     | 30                     |
| 2494-06474        | 00000/0000 2-20026/0432                        | 05/30/76         | 90             | 6882            | 4139N                        | 04724E        | 58.0         | 119.0        | FGGF              |                            |                             | 181                     | 31                     |
| 2494-06481        | 00000/0000 2-20026/0433                        | 05/30/76         | 90             | 6882            | 4013N                        | 04634E        | 58.4         | 116.5        | GGGF              |                            |                             | 181                     | 32                     |
| 2494-06483        | 00000/0000 2-20026/0434                        | 05/30/76         | 40             | 6882            | 3848N                        | 04625E        | 58.7         | 114.0        | FGGF              |                            |                             | 181                     | 33                     |
| 2494-06490        | 00000/0000 2-20026/0435                        | 05/30/76         | 50             | 6882            | 3723N                        | 04557E        | 59.0         | 111.4        | FGGF              |                            |                             | 181                     | 34                     |
| 2494-06492        | 00000/0000 2-20026/0436                        | 05/30/76         | 40             | 6882            | 3557N                        | 04529E        | 59.2         | 108.8        | GGGF              |                            |                             | 181                     | 35                     |
| 2494-06495        | 00000/0000 2-20026/0437                        | 05/30/76         | 20             | 6882            | 3432N                        | 04502E        | 59.4         | 106.1        | GGFF              |                            |                             | 181                     | 36                     |
| 2494-06501        | 00000/0000 2-20026/0438                        | 05/30/76         | 0              | 6882            | 3306N                        | 04436E        | 59.5         | 103.5        | GGGF              |                            |                             | 181                     | 37                     |
| 2494-06504        | 00000/0000 2-20026/0439                        | 05/30/76         | 0              | 6882            | 3140N                        | 04411E        | 59.5         | 100.8        | FFGF              |                            |                             | 181                     | 38                     |
| 2494-08265        | 00000/0000 2-20026/0440                        | 05/30/76         | 100            | 6883            | 5546N                        | 02755E        | 51.5         | 141.7        | FFGF              |                            |                             | 199                     | 21                     |
| 2494-08271        | 00000/0000 2-20026/0441                        | 05/30/76         | 100            | 6883            | 5422N                        | 02707E        | 52.3         | 139.6        | GFFP              |                            |                             | 199                     | 22                     |
| 2494-08274        | 00000/0000 2-20026/0442                        | 05/30/76         | 100            | 6883            | 5258N                        | 02623E        | 53.1         | 137.5        | GFFP              |                            |                             | 199                     | 23                     |

## KEYS:

CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2494-08280        | 00000/0000 2-20026/0443                        | 05/30/76         | 90             | 6883            | 5133N                              | 02541E       | 53.8 135.3   | GGGF              |                     |                      | 199                     | 24                     |
| 2494-08283        | 00000/0000 2-20026/0444                        | 05/30/76         | 70             | 6883            | 5009N                              | 02501E       | 54.6 133.1   | GGGF              |                     |                      | 199                     | 25                     |
| 2494-08292        | 00000/0000 2-20026/0089                        | 05/30/76         | 17             | 6883            | 4719N                              | 02346E       | 55.9 128.6   | FGGG              |                     |                      | 199                     | 27                     |
| 2494-08383        | 00000/0000 2-20026/0090                        | 05/30/76         | 100            | 6883            | 1551N                              | 01413E       | 56.0 74.3    | GGGG              |                     |                      | 199                     | 49                     |
| 2494-11450        | 00000/0000 2-20026/0091                        | 05/30/76         | 70             | 6885            | 8010N                              | 03010E       | 30.5 209.4   | GGGG              |                     |                      | 234                     | 1                      |
| 2494-11453        | 00000/0000 2-20026/0092                        | 05/30/76         | 20             | 6885            | 7929N                              | 02252E       | 31.7 201.8   | FGGG              |                     |                      | 235                     | 2                      |
| 2494-11500        | 00000/0000 2-20026/0473                        | 05/30/76         | 80             | 6885            | 6647N                              | 01443W       | 43.9 158.6   | GGGG              |                     |                      | 235                     | 13                     |
| 2494-11503        | 00000/0000 2-20026/0474                        | 05/30/76         | 10             | 6885            | 6526N                              | 01611W       | 44.9 156.4   | GGGG              |                     |                      | 235                     | 14                     |
| 2494-11505        | 00000/0000 2-20026/0475                        | 05/30/76         | 60             | 6885            | 6405N                              | 01731W       | 45.9 154.2   | GGGG              |                     |                      | 235                     | 15                     |
| 2494-11512        | 00000/0000 2-20026/0476                        | 05/30/76         | 50             | 6885            | 6243N                              | 01845W       | 46.9 152.0   | GGGG              |                     |                      | 235                     | 16                     |
| 2494-15145        | 00000/0000 2-20026/0477                        | 05/30/76         | 0              | 6887            | 7148N                              | 05A35W       | 39.6 169.1   | GGGG              |                     |                      | 20                      | 9                      |
| 2494-17042        | 00000/0000 2-20026/0469                        | 05/30/76         | 10             | 6888            | 5136N                              | 10323W       | 53.9 135.3   | FGGF              |                     |                      | 38                      | 24                     |
| 2494-17045        | 00000/0000 2-20026/0470                        | 05/30/76         | 10             | 6888            | 5011N                              | 10404W       | 54.6 133.1   | FGGG              |                     |                      | 38                      | 25                     |
| 2494-22080        | 00000/0000 2-20026/0488                        | 05/30/76         | 100            | 6891            | 7147N                              | 16153W       | 39.7 169.0   | GGGG              |                     |                      | 92                      | 9                      |
| 2495-01411        | 00000/0000 2-20026/0478                        | 05/31/76         | 70             | 6893            | 5009N                              | 12652E       | 54.6 133.0   | GGFG              |                     |                      | 128                     | 25                     |
| 2495-01413        | 00000/0000 2-20026/0479                        | 05/31/76         | 60             | 6893            | 4844N                              | 12613E       | 55.3 130.8   | FGFG              |                     |                      | 128                     | 26                     |
| 2495-01420        | 00000/0000 2-20026/0480                        | 05/31/76         | 20             | 6893            | 4719N                              | 12537E       | 56.0 128.5   | FGGG              |                     |                      | 128                     | 27                     |
| 2495-01422        | 00000/0000 2-20026/0481                        | 05/31/76         | 20             | 6893            | 4555N                              | 12502E       | 56.6 126.1   | GGGG              |                     |                      | 128                     | 28                     |
| 2495-01425        | 00000/0000 2-20026/0482                        | 05/31/76         | 10             | 6893            | 4430N                              | 12429E       | 57.1 123.7   | GGGG              |                     |                      | 128                     | 29                     |
| 2495-01431        | 00000/0000 2-20026/0483                        | 05/31/76         | 20             | 6893            | 4304N                              | 12357E       | 57.6 121.3   | FGGG              |                     |                      | 128                     | 30                     |
| 2495-01434        | 00000/0000 2-20026/0484                        | 05/31/76         | 10             | 6893            | 4130N                              | 12325E       | 58.1 118.8   | GGGG              |                     |                      | 128                     | 31                     |
| 2495-01440        | 00000/0000 2-20026/0485                        | 05/31/76         | 40             | 6893            | 4019N                              | 12256E       | 58.4 116.3   | GGGG              |                     |                      | 128                     | 32                     |
| 2495-01443        | 00000/0000 2-20026/0486                        | 05/31/76         | 60             | 6893            | 3848N                              | 12227E       | 58.8 113.7   | FGGG              |                     |                      | 128                     | 33                     |
| 2495-01470        | 00000/0000 2-20026/0487                        | 05/31/76         | 10             | 6893            | 3013N                              | 11949E       | 59.5 97.9    | GGGG              |                     |                      | 128                     | 39                     |
| 2495-03313        | 00000/0000 2-20026/0093                        | 05/31/76         | 30             | 6894            | 2554N                              | 09248E       | 59.1 90.2    | FGGG              |                     |                      | 146                     | 42                     |
| 2495-03315        | 00000/0000 2-20026/0094                        | 05/31/76         | 30             | 6894            | 2429N                              | 09225E       | 58.8 87.7    | GGGG              |                     |                      | 146                     | 43                     |
| 2495-03322        | 00000/0000 2-20026/0095                        | 05/31/76         | 40             | 6894            | 2303N                              | 09203E       | 58.5 85.2    | GGGG              |                     |                      | 146                     | 44                     |
| 2495-03324        | 00000/0000 2-20026/0096                        | 05/31/76         | 70             | 6894            | 2136N                              | 09140E       | 58.1 82.9    | GGGG              |                     |                      | 146                     | 45                     |
| 2495-05060        | 00000/0000 2-20026/0102                        | 05/31/76         | 10             | 6895            | 5545N                              | 07805E       | 51.6 141.5   | GGGG              |                     |                      | 164                     | 21                     |
| 2495-05063        | 00000/0000 2-20026/0103                        | 05/31/76         | 10             | 6895            | 5421N                              | 07718E       | 52.4 139.4   | GGGG              |                     |                      | 164                     | 22                     |
| 2495-05065        | 00000/0000 2-20026/0104                        | 05/31/76         | 10             | 6895            | 5256N                              | 07633E       | 53.2 137.3   | GGGG              |                     |                      | 164                     | 23                     |
| 2495-05072        | 00000/0000 2-20026/0105                        | 05/31/76         | 10             | 6895            | 5132N                              | 07550E       | 53.9 135.2   | FGGG              |                     |                      | 164                     | 24                     |
| 2495-05074        | 00000/0000 2-20026/0106                        | 05/31/76         | 0              | 6895            | 5008N                              | 07510E       | 54.7 133.0   | GGGG              |                     |                      | 164                     | 25                     |
| 2495-05113        | 00000/0000 2-20026/0107                        | 05/31/76         | 10             | 6895            | 3720N                              | 07017E       | 59.1 111.1   | GGGG              |                     |                      | 164                     | 34                     |
| 2495-06501        | 00000/0000 2-20026/0501                        | 05/31/76         | 20             | 6896            | 4554N                              | 05046E       | 53.2 137.3   | GGGG              |                     |                      | 182                     | 23                     |
| 2495-06521        | 00000/0000 2-20026/0502                        | 05/31/76         | 10             | 6896            | 4554N                              | 04734E       | 56.6 126.1   | FGGG              |                     |                      | 182                     | 28                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0269

| OBSERVATION<br>ID | MICROFILM<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|----------------|------------------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2495-06524        | 00000/0000                           | 2-20026/0503     | 05/31/76       | 10                     | 4896 4429N                              | 04700E       | 57.1 123.7   | GGGG                  |                     |                      | 182                     | 29                     |
| 2495-06530        | 00000/0000                           | 2-20026/0504     | 05/31/76       | 10                     | 4896 4373N                              | 04628E       | 57.6 121.2   | GGGG                  |                     |                      | 182                     | 30                     |
| 2495-06533        | 00000/0000                           | 2-20026/0505     | 05/31/76       | 20                     | 4896 4178N                              | 04557E       | 58.1 118.8   | GGGG                  |                     |                      | 182                     | 31                     |
| 2495-06535        | 00000/0000                           | 2-20026/0506     | 05/31/76       | 20                     | 4896 4012N                              | 04527E       | 58.5 116.2   | GGGG                  |                     |                      | 182                     | 32                     |
| 2495-06542        | 00000/0000                           | 2-20026/0507     | 05/31/76       | 10                     | 4896 3847N                              | 04458E       | 58.8 113.7   | GGGG                  |                     |                      | 182                     | 33                     |
| 2495-06544        | 00000/0000                           | 2-20026/0508     | 05/31/76       | 10                     | 4896 3721N                              | 04430E       | 59.1 111.1   | GGGG                  |                     |                      | 182                     | 34                     |
| 2495-06551        | 00000/0000                           | 2-20026/0509     | 05/31/76       | 10                     | 4896 3556N                              | 04402E       | 59.3 108.4   | GG F                  |                     |                      | 182                     | 35                     |
| 2495-06553        | 00000/0000                           | 2-20026/0510     | 05/31/76       | 0                      | 4896 3471N                              | 04336E       | 59.4 105.8   | GGGG                  |                     |                      | 182                     | 36                     |
| 2495-06560        | 00000/0000                           | 2-20026/0511     | 05/31/76       | 0                      | 4896 3305N                              | 04310E       | 59.5 103.1   | GGGG                  |                     |                      | 182                     | 37                     |
| 2495-08321        | 00000/0000                           | 2-20026/0512     | 05/31/76       | 30                     | 4897 5707N                              | 02718E       | 50.7 143.6   | GGFG                  |                     |                      | 200                     | 20                     |
| 2495-08323        | 00000/0000                           | 2-20026/0513     | 05/31/76       | 30                     | 4897 5544N                              | 02428E       | 51.6 141.5   | GGGG                  |                     |                      | 200                     | 21                     |
| 2495-08330        | 00000/0000                           | 2-20026/0514     | 05/31/76       | 70                     | 4897 5420N                              | 02541E       | 52.4 139.4   | GGGG                  |                     |                      | 200                     | 22                     |
| 2495-08332        | 00000/0000                           | 2-20026/0515     | 05/31/76       | 30                     | 4897 5256N                              | 02456E       | 53.2 137.3   | GGGG                  |                     |                      | 200                     | 23                     |
| 2495-08335        | 00000/0000                           | 2-20026/0516     | 05/31/76       | 70                     | 4897 5132N                              | 02414E       | 54.0 135.1   | GGGG                  |                     |                      | 200                     | 24                     |
| 2495-08341        | 00000/0000                           | 2-20026/0517     | 05/31/76       | 80                     | 4897 5008N                              | 02334E       | 54.7 132.9   | GGGG                  |                     |                      | 200                     | 25                     |
| 2495-08344        | 00000/0000                           | 2-20026/0518     | 05/31/76       | 90                     | 4897 4843N                              | 02256E       | 55.4 130.7   | GGGG                  |                     |                      | 200                     | 26                     |
| 2495-08441        | 00000/0000                           | 2-20026/0519     | 05/31/76       | 100                    | 4897 1551N                              | 01246E       | 55.9 74.1    | GGGG                  |                     |                      | 200                     | 49                     |
| 2495-10091        | 00000/0000                           | 2-20026/0520     | 05/31/76       | 20                     | 4898 7640N                              | 03034E       | 35.3 184.1   | GGGG                  |                     |                      | 218                     | 5                      |
| 2495-10093        | 00000/0000                           | 2-20026/0521     | 05/31/76       | 50                     | 4898 7574N                              | 02634E       | 36.4 179.6   | GGGG                  |                     |                      | 218                     | 6                      |
| 2495-11504        | 00000/0000                           | 2-20026/0552     | 05/31/76       | 20                     | 4899 8010N                              | 02832E       | 30.7 209.2   | GGG                   |                     |                      | 236                     | 1                      |
| 2495-11511        | 00000/0000                           | 2-20026/0553     | 05/31/76       | 40                     | 4899 7929N                              | 02114E       | 31.9 201.6   | GGGG                  |                     |                      | 236                     | 2                      |
| 2495-11513        | 00000/0000                           | 2-20026/0554     | 05/31/76       | 30                     | 4899 7839N                              | 01450E       | 33.0 195.0   | FGG                   |                     |                      | 236                     | 3                      |
| 2495-11520        | 00000/0000                           | 2-20026/0555     | 05/31/76       | 70                     | 4899 7742N                              | 00921E       | 34.2 189.1   | GFGG                  |                     |                      | 236                     | 4                      |
| 2495-11522        | 00000/0000                           | 2-20026/0556     | 05/31/76       | 80                     | 4899 7640N                              | 00440E       | 35.3 184.1   | GFFG                  |                     |                      | 236                     | 5                      |
| 2495-11554        | 00000/0000                           | 2-20026/0557     | 05/31/76       | 90                     | 4899 6645N                              | 01613W       | 44.0 158.5   | GGGG                  |                     |                      | 236                     | 13                     |
| 2495-11561        | 00000/0000                           | 2-20026/0558     | 05/31/76       | 20                     | 4899 6524N                              | 01741W       | 45.0 156.2   | GGGG                  |                     |                      | 236                     | 14                     |
| 2495-11563        | 00000/0000                           | 2-20026/0559     | 05/31/76       | 40                     | 4899 6423N                              | 01901W       | 46.0 154.0   | GGGG                  |                     |                      | 236                     | 15                     |
| 2495-13340        | 00000/0000                           | 2-20026/0560     | 05/31/76       | 40                     | 4900 8009N                              | 00244E       | 30.7 209.2   | GGGG                  |                     |                      | 3                       | 1                      |
| 2495-13342        | 00000/0000                           | 2-20026/0561     | 05/31/76       | 40                     | 4900 7928N                              | 00434W       | 31.9 201.6   | GGGG                  |                     |                      | 3                       | 2                      |
| 2495-13345        | 00000/0000                           | 2-20026/0562     | 05/31/76       | 70                     | 4900 7878N                              | 01056W       | 33.0 194.9   | GGGG                  |                     |                      | 3                       | 3                      |
| 2495-13351        | 00000/0000                           | 2-20026/0563     | 05/31/76       | 30                     | 4900 7741N                              | 01625W       | 34.2 189.1   | FGGG                  |                     |                      | 3                       | 4                      |
| 2495-13381        | 00000/0000                           | 2-20026/0564     | 05/31/76       | 100                    | 4900 6922N                              | 03834W       | 41.9 163.4   | FGGG                  |                     |                      | 3                       | 11                     |
| 2495-13383        | 00000/0000                           | 2-20026/0565     | 05/31/76       | 100                    | 4900 6874N                              | 04022W       | 43.0 160.9   | GGFG                  |                     |                      | 3                       | 12                     |
| 2495-13390        | 00000/0000                           | 2-20026/0566     | 05/31/76       | 100                    | 4900 6645N                              | 04200W       | 44.0 158.5   | GGFG                  |                     |                      | 3                       | 13                     |
| 2495-13392        | 00000/0000                           | 2-20026/0567     | 05/31/76       | 90                     | 4900 6524N                              | 04328W       | 45.1 156.2   | FFFG                  |                     |                      | 3                       | 14                     |
| 2495-14022        | 00000/0000                           | 2-20026/0568     | 05/31/76       | 40                     | 4900 1255S                              | 07122W       | 37.4 48.8    | GGGG                  |                     |                      | 3                       | 69                     |

KEYS: CLOUD COVER 2 ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0270

| OBSERVATION ID | MICROFILM REEL NO./ POSITION IN REEL | DATE ACQUIRED | CLOUD COVER | ORBIT NUMBER | PRINCIPAL POINT OF IMAGE | SUN ELEV. | SUN AZIM.  | IMAGE-QUAL | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME REEL NUMBER |
|----------------|--------------------------------------|---------------|-------------|--------------|--------------------------|-----------|------------|------------|---------------|----------------|-------------------|-------------------|
|                | REV                                  |               |             |              | LAT LONG                 |           |            | 123 45678  |               |                |                   |                   |
| 2495-15272     | 00000/0000                           | 2-20026/0471  | 05/31/76    | 10           | 69.01 5010N              | 07939W    | 54.7 132.9 | GGG        |               |                | 21                | 25                |
| 2495-17083     | 00000/0000                           | 2-20026/0489  | 05/31/76    | 40           | 69.02 5711N              | 10143W    | 50.8 143.6 | GGGG       |               |                | 39                | 20                |
| 2495-17085     | 00000/0000                           | 2-20026/0490  | 05/31/76    | 17           | 69.02 5548N              | 10234W    | 51.6 141.5 | GGGF       |               |                | 39                | 21                |
| 2495-17092     | 00000/0000                           | 2-20026/0491  | 05/31/76    | 20           | 69.02 5424N              | 10322W    | 52.4 139.4 | GGFF       |               |                | 39                | 22                |
| 2495-17094     | 00000/0000                           | 2-20026/0492  | 05/31/76    | 20           | 69.02 5259N              | 10406W    | 53.2 137.3 | GGGG       |               |                | 39                | 23                |
| 2495-17101     | 00000/0000                           | 2-20026/0493  | 05/31/76    | 10           | 69.02 5145N              | 10448W    | 54.0 135.1 | FGGG       |               |                | 39                | 24                |
| 2495-20293     | 00000/0000                           | 2-20026/0494  | 05/31/76    | 7            | 69.04 7423N              | 13155W    | 37.6 175.6 | GGGG       |               |                | 75                | 7                 |
| 2495-20300     | 00000/0000                           | 2-20026/0495  | 05/31/76    | 10           | 69.04 7311N              | 13464W    | 38.7 172.1 | GGGG       |               |                | 75                | 8                 |
| 2495-20302     | 00000/0000                           | 2-20026/0496  | 05/31/76    | 90           | 69.04 7156N              | 13731W    | 39.8 168.9 | GGGG       |               |                | 75                | 9                 |
| 2495-21025     | 00000/0000                           | 2-20026/0569  | 05/31/76    | 10           | 69.04 3841S              | 17821E    | 15.9 43.3  | FGGG       |               |                | 75                | 87                |
| 2495-22140     | 00000/0000                           | 2-20026/0497  | 05/31/76    | 60           | 69.05 7040N              | 16535W    | 40.9 166.0 | GGFG       |               |                | 93                | 10                |
| 2495-20222     | 00000/0000                           | 2-20026/0570  | 06/01/76    | 20           | 69.06 1423S              | 13323E    | 36.2 48.1  | GPGF       |               |                | 111               | 70                |
| 2496-01465     | 00000/0000                           | 2-20026/0522  | 06/01/76    | 10           | 69.07 5007N              | 12523E    | 54.8 132.8 | GGGG       |               |                | 129               | 25                |
| 2496-01472     | 00000/0000                           | 2-20026/0523  | 06/01/76    | 10           | 69.07 4843N              | 12446E    | 55.4 130.5 | GGGG       |               |                | 129               | 26                |
| 2496-01474     | 00000/0000                           | 2-20026/0524  | 06/01/76    | 10           | 69.07 4718N              | 12409E    | 56.1 128.2 | GGGG       |               |                | 129               | 27                |
| 2496-01483     | 00000/0000                           | 2-20026/0108  | 06/01/76    | 70           | 69.07 4428N              | 12301E    | 57.2 123.5 | GGGG       |               |                | 129               | 29                |
| 2496-01490     | 00000/0000                           | 2-20026/0109  | 06/01/76    | 60           | 69.07 4303N              | 12229E    | 57.7 121.0 | GGGG       |               |                | 129               | 30                |
| 2496-01492     | 00000/0000                           | 2-20026/0110  | 06/01/76    | 20           | 69.07 4138N              | 12159E    | 58.1 118.6 | GGGG       |               |                | 129               | 31                |
| 2496-01495     | 00000/0000                           | 2-20026/0111  | 06/01/76    | 20           | 69.07 4012N              | 12129E    | 58.5 116.0 | GGGG       |               |                | 129               | 32                |
| 2496-01501     | 00000/0000                           | 2-20026/0112  | 06/01/76    | 20           | 69.07 3847N              | 12100E    | 58.8 113.4 | FGGG       |               |                | 129               | 33                |
| 2496-01504     | 00000/0000                           | 2-20026/0113  | 06/01/76    | 10           | 69.07 3721N              | 12032E    | 59.1 110.8 | GGGG       |               |                | 129               | 34                |
| 2496-01510     | 00000/0000                           | 2-20026/0114  | 06/01/76    | 30           | 69.07 3546N              | 12005E    | 59.3 108.2 | GGGG       |               |                | 129               | 35                |
| 2496-01513     | 00000/0000                           | 2-20026/0115  | 06/01/76    | 80           | 69.07 3421N              | 11939E    | 59.5 105.6 | GGGG       |               |                | 129               | 36                |
| 2496-01515     | 00000/0000                           | 2-20026/0116  | 06/01/76    | 90           | 69.07 3304N              | 11913E    | 59.6 102.9 | GGGG       |               |                | 129               | 37                |
| 2496-01522     | 00000/0000                           | 2-20026/0117  | 06/01/76    | 100          | 69.07 3139N              | 11848E    | 59.6 100.3 | GGGG       |               |                | 129               | 38                |
| 2496-01524     | 00000/0000                           | 2-20026/0118  | 06/01/76    | 90           | 69.07 3012N              | 11822E    | 59.5 97.6  | GGGG       |               |                | 129               | 39                |
| 2496-05105     | 00000/0000                           | 2-20026/0644  | 06/01/76    | 10           | 69.09 5824N              | 07827E    | 49.9 145.6 | GGGG       |               |                | 165               | 19                |
| 2496-05112     | 00000/0000                           | 2-20026/0645  | 06/01/76    | 10           | 69.09 5711N              | 07733E    | 50.8 143.5 | GGGG       |               |                | 165               | 20                |
| 2496-05114     | 00000/0000                           | 2-20026/0646  | 06/01/76    | 10           | 69.09 5547N              | 07643E    | 51.7 141.4 | GGGG       |               |                | 165               | 21                |
| 2496-05121     | 00000/0000                           | 2-20026/0647  | 06/01/76    | 10           | 69.09 5424N              | 07555E    | 52.5 139.3 | GGFG       |               |                | 165               | 22                |
| 2496-05123     | 00000/0000                           | 2-20026/0648  | 06/01/76    | 0            | 69.09 5259N              | 07510E    | 53.3 137.2 | GGGG       |               |                | 165               | 23                |
| 2496-05130     | 00000/0000                           | 2-20026/0649  | 06/01/76    | 10           | 69.09 5135N              | 07427E    | 54.0 135.0 | GGGG       |               |                | 165               | 24                |
| 2496-05132     | 00000/0000                           | 2-20026/0650  | 06/01/76    | 10           | 69.09 5010N              | 07347E    | 54.7 132.8 | FGGG       |               |                | 165               | 25                |
| 2496-05162     | 00000/0000                           | 2-20026/0651  | 06/01/76    | 10           | 69.09 4014N              | 06951E    | 58.5 116.1 | GGGG       |               |                | 165               | 32                |
| 2496-06541     | 00000/0000                           | 2-20026/0119  | 06/01/76    | 30           | 69.10 5823N              | 05238E    | 49.9 145.6 | GGGG       |               |                | 183               | 19                |
| 2496-06543     | 00000/0000                           | 2-20026/0120  | 06/01/76    | 20           | 69.10 5710N              | 05143E    | 50.8 143.5 | GGGG       |               |                | 183               | 20                |

## KEYS:

CLOUD COVER 1 ..... 0 TO 100 = % CLOUD COVER  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, 4=HIGH GAIN

02:44 APR 28, 1977

 LANDSAT-2  
 OBSERVATION ID LISTING  
 FOR NAN-US  
 FROM 01/22/76 TO 01/22/77

PAGE 0271

| OBSERVATION ID | MICROFILM REEL NO./ POSITION IN REEL | DATE ACQUIRED | CLOUD COVER | SUNDBIT NUMBER | PRINCIPAL POINT OF IMAGE | SUN ELEV. | SUN AZIM.  | IMAGE QUAL | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME ROW NUMBER |
|----------------|--------------------------------------|---------------|-------------|----------------|--------------------------|-----------|------------|------------|---------------|----------------|-------------------|------------------|
|                | REV                                  |               |             |                | LAT LONG                 |           |            | 123 45678  |               |                |                   |                  |
| 2496-06550     | 00000/0000                           | 2-20026/0121  | 06/01/76    | 10             | 6910 5546N               | 05052E    | 51.7 141.4 | GGGG       |               |                | 183               | 21               |
| 2496-06552     | 00000/0000                           | 2-20026/0122  | 06/01/76    | 10             | 6910 5422N               | 05005E    | 52.3 139.3 | GGFG       |               |                | 183               | 22               |
| 2496-06555     | 00000/0000                           | 2-20026/0123  | 06/01/76    | 10             | 6910 5258N               | 04920E    | 53.3 137.2 | GGGG       |               |                | 183               | 23               |
| 2496-06561     | 00000/0000                           | 2-20026/0124  | 06/01/76    | 10             | 6910 5134N               | 04837E    | 54.0 136.0 | GGGG       |               |                | 183               | 24               |
| 2496-06564     | 00000/0000                           | 2-20026/0125  | 06/01/76    | 10             | 6910 5010N               | 04757E    | 54.8 132.8 | GGGG       |               |                | 183               | 25               |
| 2496-06570     | 00000/0000                           | 2-20026/0126  | 06/01/76    | 10             | 6910 4845N               | 04719E    | 55.4 130.6 | GGGG       |               |                | 183               | 26               |
| 2496-06573     | 00000/0000                           | 2-20026/0127  | 06/01/76    | 10             | 6910 4721N               | 04643E    | 56.1 128.3 | FGGG       |               |                | 183               | 27               |
| 2496-06575     | 00000/0000                           | 2-20026/0128  | 06/01/76    | 10             | 6910 4566N               | 04608E    | 56.7 125.9 | GGGG       |               |                | 183               | 28               |
| 2496-06582     | 00000/0000                           | 2-20026/0129  | 06/01/76    | 0              | 6910 4430N               | 04535E    | 57.2 123.5 | GGGG       |               |                | 183               | 29               |
| 2496-06584     | 00000/0000                           | 2-20026/0130  | 06/01/76    | 10             | 6910 4305N               | 04503E    | 57.7 121.1 | GGGG       |               |                | 183               | 30               |
| 2496-06591     | 00000/0000                           | 2-20026/0131  | 06/01/76    | 50             | 6910 4140N               | 04431E    | 58.1 118.6 | GGGG       |               |                | 183               | 31               |
| 2496-06593     | 00000/0000                           | 2-20026/0132  | 06/01/76    | 10             | 6910 4015N               | 04401E    | 58.5 116.0 | GGGG       |               |                | 183               | 32               |
| 2496-07000     | 00000/0000                           | 2-20026/0133  | 06/01/76    | 10             | 6910 3849N               | 04332E    | 58.8 113.5 | GGGG       |               |                | 183               | 33               |
| 2496-07002     | 00000/0000                           | 2-20026/0134  | 06/01/76    | 10             | 6910 3724N               | 04304E    | 59.1 110.9 | GGGG       |               |                | 183               | 34               |
| 2496-08370     | 00000/0000                           | 2-20026/0652  | 06/01/76    | 80             | 6911 5956N               | 02748E    | 49.0 147.6 | GGFG       |               |                | 201               | 18               |
| 2496-08372     | 00000/0000                           | 2-20026/0653  | 06/01/76    | 80             | 6911 5834N               | 02650E    | 49.9 145.6 | GGGG       |               |                | 201               | 19               |
| 2496-08375     | 00000/0000                           | 2-20026/0654  | 06/01/76    | 90             | 6911 5710N               | 02556E    | 50.8 143.5 | GGGG       |               |                | 201               | 20               |
| 2496-08381     | 00000/0000                           | 2-20026/0655  | 06/01/76    | 90             | 6911 5547N               | 02505E    | 51.7 141.4 | GGGG       |               |                | 201               | 21               |
| 2496-08390     | 00000/0000                           | 2-20026/0656  | 06/01/76    | 90             | 6911 5258N               | 02332E    | 53.3 137.2 | GGGG       |               |                | 201               | 23               |
| 2496-08393     | 00000/0000                           | 2-20026/0657  | 06/01/76    | 90             | 6911 5134N               | 02250E    | 54.0 135.0 | GGGG       |               |                | 201               | 24               |
| 2496-08395     | 00000/0000                           | 2-20026/0658  | 06/01/76    | 90             | 6911 5009N               | 02210E    | 54.8 132.8 | GGGF       |               |                | 201               | 25               |
| 2496-08402     | 00000/0000                           | 2-20026/0659  | 06/01/76    | 90             | 6911 4845N               | 02131E    | 55.4 130.5 | GFGG       |               |                | 201               | 26               |
| 2496-08495     | 00000/0000                           | 2-20026/0660  | 06/01/76    | 90             | 6911 1563N               | 01122E    | 55.9 73.9  | GGGG       |               |                | 201               | 49               |
| 2496-08502     | 00000/0000                           | 2-20026/0661  | 06/01/76    | 60             | 6911 1427N               | 01101E    | 55.3 71.9  | GGGG       |               |                | 201               | 50               |
| 2496-10143     | 00000/0000                           | 2-20026/0662  | 06/01/76    | 90             | 6912 7742N               | 03343E    | 34.3 189.0 | GGGF       |               |                | 219               | 4                |
| 2496-10145     | 00000/0000                           | 2-20026/0625  | 06/01/76    | 60             | 6912 7639N               | 02902E    | 35.5 184.0 | GGG        |               |                | 219               | 5                |
| 2496-10152     | 00000/0000                           | 2-20026/0626  | 06/01/76    | 40             | 6912 7533N               | 02501E    | 36.6 179.5 | GFGG       |               |                | 219               | 6                |
| 2496-11563     | 00000/0000                           | 2-20026/0527  | 06/01/76    | 90             | 6913 8008N               | 02700E    | 30.9 209.1 | GGGG       |               |                | 237               | 1                |
| 2496-11565     | 00000/0000                           | 2-20026/0528  | 06/01/76    | 10             | 6913 7927N               | 01944E    | 32.0 201.5 | GGGG       |               |                | 237               | 2                |
| 2496-11572     | 00000/0000                           | 2-20026/0529  | 06/01/76    | 10             | 6913 7838N               | 01324E    | 33.2 194.8 | GGGG       |               |                | 237               | 3                |
| 2496-11574     | 00000/0000                           | 2-20026/0530  | 06/01/76    | 30             | 6913 7741N               | 00755E    | 34.3 189.0 | GGGG       |               |                | 237               | 4                |
| 2496-11581     | 00000/0000                           | 2-20026/0531  | 06/01/76    | 90             | 6913 7639N               | 00314E    | 35.5 183.9 | FGGG       |               |                | 237               | 5                |
| 2496-12013     | 00000/0000                           | 2-20026/0532  | 06/01/76    | 10             | 6913 6644N               | 01736W    | 44.2 158.4 | GGGG       |               |                | 237               | 13               |
| 2496-12022     | 00000/0000                           | 2-20026/0533  | 06/01/76    | 30             | 6913 6403N               | 02025W    | 46.2 153.9 | GGGG       |               |                | 237               | 15               |
| 2496-12024     | 00000/0000                           | 2-20026/0534  | 06/01/76    | 90             | 6913 6241N               | 02138W    | 47.2 151.8 | GGGG       |               |                | 237               | 16               |
| 2496-13394     | 00000/0000                           | 2-20026/0535  | 06/01/76    | 10             | 6914 8010N               | 00104E    | 30.9 209.0 | GGGG       |               |                | 4                 | 1                |

KEYS: CLOUD COVER % ..... 0 TO 100 \* % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, RAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAB-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SPRIT<br>NUMBER | PRINCIPAL<br>POINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|----------------|------------------------------------------------|------------------|----------------|-----------------|---------------------------------------|----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2496-13401     | 00000/0000                                     | 2-20026/0536     | 06/01/76       | 30              | 6914                                  | 7909N                                  | 00613W       | 32.0         | 201.5                              | GGGG                |                      |                         | 2                      |
| 2496-13403     | 00000/0000                                     | 2-20026/0537     | 06/01/76       | 30              | 6914                                  | 7838N                                  | 01234W       | 33.2         | 194.8                              | GGGG                |                      | 4                       | 3                      |
| 2496-13410     | 00000/0000                                     | 2-20026/0538     | 06/01/76       | 10              | 6914                                  | 7741N                                  | 01802W       | 34.3         | 189.0                              | GGGG                |                      | 4                       | 4                      |
| 2496-13451     | 00000/0000                                     | 2-20026/0539     | 06/01/76       | 100             | 6914                                  | 6524N                                  | 04500W       | 45.2         | 156.1                              | GGGG                |                      | 4                       | 14                     |
| 2496-13480     | 00000/0000                                     | 2-20026/0539     | 06/01/76       | 100             | 6914                                  | 5546N                                  | 05223W       | 51.7         | 141.3                              | GGGG                |                      | 4                       | 21                     |
| 2496-15244     | 00000/0000                                     | 2-20026/0540     | 06/01/76       | 100             | 6915                                  | 7639N                                  | 04825W       | 35.5         | 183.9                              | GGGG                |                      | 22                      | 5                      |
| 2496-15250     | 00000/0000                                     | 2-20026/0541     | 06/01/76       | 90              | 6915                                  | 7533N                                  | 05226W       | 36.6         | 179.4                              | FFFG                |                      | 22                      | 6                      |
| 2496-17100     | 00000/0000                                     | 2-20026/0542     | 06/01/76       | 10              | 6916                                  | 7040N                                  | 08937W       | 41.0         | 165.9                              | GGGG                |                      | 40                      | 10                     |
| 2496-17102     | 00000/0000                                     | 2-20026/0543     | 06/01/76       | 10              | 6916                                  | 6922N                                  | 09139W       | 42.1         | 163.2                              | GGGF                |                      | 40                      | 11                     |
| 2496-17105     | 00000/0000                                     | 2-20026/0544     | 06/01/76       | 30              | 6916                                  | 6804N                                  | 09328W       | 43.2         | 160.7                              | GGGG                |                      | 40                      | 12                     |
| 2496-17111     | 00000/0000                                     | 2-20026/0545     | 06/01/76       | 60              | 6916                                  | 6644N                                  | 09506W       | 44.2         | 158.3                              | GGGG                |                      | 40                      | 13                     |
| 2496-17114     | 00000/0000                                     | 2-20026/0546     | 06/01/76       | 80              | 6916                                  | 6523N                                  | 09635W       | 45.2         | 156.1                              | GGGG                |                      | 40                      | 14                     |
| 2496-17120     | 00000/0000                                     | 2-20026/0547     | 06/01/76       | 70              | 6916                                  | 6402N                                  | 09756W       | 46.2         | 153.9                              | GGGG                |                      | 40                      | 15                     |
| 2496-17123     | 00000/0000                                     | 2-20026/0548     | 06/01/76       | 10              | 6916                                  | 6241N                                  | 09910W       | 47.2         | 151.7                              | GGGG                |                      | 40                      | 16                     |
| 2496-17125     | 00000/0000                                     | 2-20026/0549     | 06/01/76       | 20              | 6916                                  | 6118N                                  | 10017W       | 48.2         | 149.6                              | GGGG                |                      | 40                      | 17                     |
| 2496-17132     | 00000/0000                                     | 2-20026/0550     | 06/01/76       | 20              | 6916                                  | 5946N                                  | 10120W       | 49.1         | 147.5                              | GGFF                |                      | 40                      | 18                     |
| 2496-17134     | 00000/0000                                     | 2-20026/0551     | 06/01/76       | 20              | 6916                                  | 5823N                                  | 10217W       | 50.0         | 145.5                              | FGFF                |                      | 40                      | 19                     |
| 2496-17141     | 00000/0000                                     | 2-20026/0581     | 06/01/76       | 70              | 6916                                  | 5709N                                  | 10311W       | 50.9         | 143.4                              | GGGG                |                      | 40                      | 20                     |
| 2496-17143     | 00000/0000                                     | 2-20026/0582     | 06/01/76       | 90              | 6916                                  | 5546N                                  | 10401W       | 51.7         | 141.3                              | GGGG                |                      | 40                      | 21                     |
| 2496-17150     | 00000/0000                                     | 2-20026/0583     | 06/01/76       | 60              | 6916                                  | 5422N                                  | 10449W       | 52.5         | 139.2                              | GGGG                |                      | 40                      | 22                     |
| 2496-17152     | 00000/0000                                     | 2-20026/0584     | 06/01/76       | 40              | 6916                                  | 5284N                                  | 10533W       | 53.3         | 137.1                              | GGGG                |                      | 40                      | 23                     |
| 2496-17155     | 00000/0000                                     | 2-20026/0585     | 06/01/76       | 20              | 6916                                  | 5144N                                  | 10615W       | 54.1         | 134.9                              | FGGG                |                      | 40                      | 24                     |
| 2496-17220     | 00000/0000                                     | 2-20026/0586     | 06/01/76       | 0               | 6916                                  | 3014N                                  | 11358W       | 59.6         | 97.5                               | GGGG                |                      | 40                      | 39                     |
| 2496-22195     | 00000/0000                                     | 2-20026/0498     | 06/01/76       | 60              | 4919                                  | 7039N                                  | 16705W       | 41.1         | 165.9                              | GGFG                |                      | 94                      | 10                     |
| 2496-22201     | 00000/0000                                     | 2-20026/0499     | 06/01/76       | 90              | 4919                                  | 6921N                                  | 16908W       | 42.2         | 163.2                              | GGFG                |                      | 94                      | 11                     |
| 2496-22204     | 00000/0000                                     | 2-20026/0500     | 06/01/76       | 100             | 4919                                  | 6803N                                  | 17058W       | 43.2         | 160.7                              | GGFG                |                      | 94                      | 12                     |
| 2497-01544     | 00000/0000                                     | 2-20026/0600     | 06/02/76       | 10              | 4921                                  | 4345N                                  | 12106E       | 57.7         | 120.9                              | GGG                 |                      | 130                     | 30                     |
| 2497-01550     | 00000/0000                                     | 2-20026/0601     | 06/02/76       | 20              | 4921                                  | 4140N                                  | 12034E       | 58.2         | 118.4                              | GGGG                |                      | 130                     | 31                     |
| 2497-01553     | 00000/0000                                     | 2-20026/0602     | 06/02/76       | 10              | 4921                                  | 4015N                                  | 12004E       | 58.6         | 115.8                              | GGGG                |                      | 130                     | 32                     |
| 2497-01555     | 00000/0000                                     | 2-20026/0603     | 06/02/76       | 20              | 4921                                  | 3849N                                  | 11935E       | 58.9         | 113.3                              | FGGG                |                      | 130                     | 33                     |
| 2497-01562     | 00000/0000                                     | 2-20026/0604     | 06/02/76       | 0               | 4921                                  | 3724N                                  | 11907E       | 59.2         | 110.7                              | FGGG                |                      | 130                     | 34                     |
| 2497-01564     | 00000/0000                                     | 2-20026/0605     | 06/02/76       | 0               | 4921                                  | 3543N                                  | 11840E       | 59.4         | 108.0                              | GGGG                |                      | 130                     | 35                     |
| 2497-01571     | 00000/0000                                     | 2-20026/0606     | 06/02/76       | 0               | 4921                                  | 3433N                                  | 11814E       | 59.5         | 105.4                              | GGGG                |                      | 130                     | 36                     |
| 2497-01573     | 00000/0000                                     | 2-20026/0607     | 06/02/76       | 20              | 4921                                  | 3377N                                  | 11749E       | 59.6         | 102.7                              | GGGG                |                      | 130                     | 37                     |
| 2497-01580     | 00000/0000                                     | 2-20026/0608     | 06/02/76       | 50              | 4921                                  | 3142N                                  | 11724E       | 59.6         | 100.1                              | GGGG                |                      | 130                     | 38                     |
| 2497-01582     | 00000/0000                                     | 2-20026/0609     | 06/02/76       | 80              | 4921                                  | 3016N                                  | 11659E       | 59.6         | 97.4                               | GGGG                |                      | 130                     | 39                     |

KEYS: CLOUD COVER 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN (BLANK)=LOW GAIN, HIGH GAIN

02:44 APR 28, 1977

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FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO. /<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-----------------------------------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2497-02085        | 00000/0000 2-20026/0610                             | 06/02/76         | 60             | 6921            | 0543S 10412E                            | 42.7         | 52.5         | FGGG                               |                     |                      | 130                     | 64                     |
| 2497-02091        | 00000/0000 2-20026/0611                             | 06/02/76         | 50             | 6921            | 0709S 10751E                            | 41.6         | 51.6         | GGGG                               |                     |                      | 130                     | 65                     |
| 2497-05173        | 00000/0000 2-20026/0612                             | 06/02/76         | 10             | 6923            | 5546N 07514E                            | 51.8         | 141.3        | F                                  |                     |                      | 166                     | 21                     |
| 2497-05175        | 00000/0000 2-20026/0613                             | 06/02/76         | 0              | 6923            | 5422N 07426E                            | 52.6         | 139.1        | GGGG                               |                     |                      | 166                     | 22                     |
| 2497-05182        | 00000/0000 2-20026/0614                             | 06/02/76         | 10             | 6923            | 5258N 07342E                            | 53.4         | 137.0        | GGGG                               |                     |                      | 166                     | 23                     |
| 2497-05184        | 00000/0000 2-20026/0615                             | 06/02/76         | 30             | 6923            | 5133N 07259E                            | 54.1         | 134.8        | GGGG                               |                     |                      | 166                     | 26                     |
| 2497-05191        | 00000/0000 2-20026/0616                             | 06/02/76         | 50             | 6923            | 5009N 07219E                            | 54.8         | 132.6        | FGGG                               |                     |                      | 166                     | 25                     |
| 2497-05220        | 00000/0000 2-20026/0617                             | 06/02/76         | 10             | 6923            | 4013N 06823E                            | 58.6         | 115.8        | GGGG                               |                     |                      | 166                     | 32                     |
| 2497-05261        | 00000/0000 2-20026/0618                             | 06/02/76         | 10             | 6923            | 2555N 06406E                            | 59.1         | 89.6         | GGGG                               |                     |                      | 166                     | 42                     |
| 2497-05563        | 00000/0000 2-20026/0619                             | 06/02/76         | 90             | 6924            | 6922N 06149E                            | 42.2         | 163.2        | GGGG                               |                     |                      | 184                     | 11                     |
| 2497-07011        | 00000/0000 2-20026/0620                             | 06/02/76         | 10             | 6924            | 5422N 04839E                            | 52.6         | 139.1        | GGGG                               |                     |                      | 184                     | 22                     |
| 2497-07013        | 00000/0000 2-20026/0621                             | 06/02/76         | 10             | 6924            | 5258N 04755E                            | 53.4         | 137.0        | GGGG                               |                     |                      | 184                     | 23                     |
| 2497-07020        | 00000/0000 2-20026/0622                             | 06/02/76         | 10             | 6924            | 5133N 04713E                            | 54.1         | 134.8        | GGGG                               |                     |                      | 184                     | 24                     |
| 2497-07022        | 00000/0000 2-20026/0623                             | 06/02/76         | 10             | 6924            | 5009N 04632E                            | 54.9         | 132.6        | GGGG                               |                     |                      | 184                     | 25                     |
| 2497-07025        | 00000/0000 2-20026/0624                             | 06/02/76         | 10             | 6924            | 4845N 04554E                            | 55.5         | 130.3        | GGGG                               |                     |                      | 184                     | 26                     |
| 2497-07031        | 00000/0000 2-20026/0625                             | 06/02/76         | 10             | 6924            | 4720N 04517E                            | 56.2         | 128.0        | GGGG                               |                     |                      | 184                     | 27                     |
| 2497-07034        | 00000/0000 2-20026/0626                             | 06/02/76         | 10             | 6924            | 4555N 04442E                            | 56.7         | 125.7        | GGGG                               |                     |                      | 184                     | 28                     |
| 2497-07040        | 00000/0000 2-20026/0627                             | 06/02/76         | 30             | 6924            | 4430N 04409E                            | 57.3         | 123.3        | GGGG                               |                     |                      | 184                     | 29                     |
| 2497-07043        | 00000/0000 2-20026/0628                             | 06/02/76         | 40             | 6924            | 4305N 04337E                            | 57.8         | 120.8        | GGGG                               |                     |                      | 184                     | 30                     |
| 2497-08431        | 00000/0000 2-20026/0629                             | 06/02/76         | 90             | 6925            | 5831N 02521E                            | 50.1         | 145.4        | GGGG                               |                     |                      | 202                     | 19                     |
| 2497-08433        | 00000/0000 2-20026/0630                             | 06/02/76         | 90             | 6925            | 5708N 02427E                            | 50.9         | 143.3        | GGGG                               |                     |                      | 202                     | 20                     |
| 2497-08440        | 00000/0000 2-20026/0631                             | 06/02/76         | 90             | 6925            | 5545N 02337E                            | 51.8         | 141.2        | GGGG                               |                     |                      | 202                     | 21                     |
| 2497-08442        | 00000/0000 2-20026/0632                             | 06/02/76         | 90             | 6925            | 5421N 02249E                            | 52.6         | 139.1        | FGGG                               |                     |                      | 202                     | 22                     |
| 2497-08554        | 00000/0000 2-20026/0633                             | 06/02/76         | 0              | 6925            | 1552N 00955E                            | 55.9         | 73.6         | FFGG                               |                     |                      | 202                     | 49                     |
| 2497-08560        | 00000/0000 2-20026/0634                             | 06/02/76         | 0              | 6925            | 1426N 00934E                            | 55.2         | 71.7         | GGGG                               |                     |                      | 202                     | 50                     |
| 2497-08563        | 00000/0000 2-20026/0141                             | 06/02/76         | 0              | 6925            | 1259N 00914E                            | 54.5         | 69.8         | GGGG                               |                     |                      | 202                     | 51                     |
| 2497-10201        | 00000/0000 2-20026/0142                             | 06/02/76         | 100            | 6926            | 7740N 03216E                            | 34.5         | 188.9        | GGGG                               |                     |                      | 220                     | 4                      |
| 2497-10203        | 00000/0000 2-20026/0143                             | 06/02/76         | 70             | 6926            | 7638N 02734E                            | 35.6         | 183.8        | GGGG                               |                     |                      | 220                     | 5                      |
| 2497-10210        | 00000/0000 2-20026/0144                             | 06/02/76         | 50             | 6926            | 7531N 02334E                            | 36.7         | 179.4        | GGGF                               |                     |                      | 220                     | 6                      |
| 2497-10201        | 00000/0000 2-20026/0145                             | 06/02/76         | 100            | 6927            | 8008N 02516E                            | 31.0         | 208.9        | GGGG                               |                     |                      | 238                     | 1                      |
| 2497-12023        | 00000/0000 2-20026/0146                             | 06/02/76         | 60             | 6927            | 7927N 01801E                            | 32.2         | 201.3        | GGGG                               |                     |                      | 238                     | 2                      |
| 2497-12030        | 00000/0000 2-20026/0147                             | 06/02/76         | 50             | 6927            | 7837N 01146E                            | 33.3         | 194.7        | GGGG                               |                     |                      | 238                     | 3                      |
| 2497-12032        | 00000/0000 2-20026/0148                             | 06/02/76         | 90             | 6927            | 7740N 00622E                            | 34.5         | 188.9        | GGGG                               |                     |                      | 238                     | 4                      |
| 2497-12035        | 00000/0000 2-20026/0149                             | 06/02/76         | 80             | 6927            | 7638N 00140E                            | 35.6         | 183.8        | GGGG                               |                     |                      | 238                     | 5                      |
| 2497-13452        | 00000/0000 2-20026/0150                             | 06/02/76         | 50             | 6928            | 8009N 00007W                            | 31.0         | 209.2        | GGGG                               |                     |                      | 5                       | 1                      |
| 2497-13455        | 00000/0000 2-20026/0151                             | 06/02/76         | 30             | 6928            | 7928N 00725W                            | 32.1         | 201.6        | FGGG                               |                     |                      | 5                       | 2                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|-------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2497-13461        | 00000/0000                                     | 2-20026/0152 | 06/02/76         | 20          | 6928            | 7838N                              | 01347W                              | 33.3         | 194.9        | GGGG                  |                     |                      | 5                       | 3                      |
| 2497-13464        | 00000/0000                                     | 2-20026/0153 | 06/02/76         | 10          | 6928            | 7742N                              | 01915W                              | 34.5         | 189.0        | GGGG                  |                     |                      | 5                       | 4                      |
| 2497-13534        | 00000/0000                                     | 2-20026/0157 | 06/02/76         | 80          | 6928            | 5548N                              | 05346W                              | 51.8         | 141.2        | GGGG                  |                     |                      | 5                       | 21                     |
| 2497-14134        | 00000/0000                                     | 2-20026/0154 | 06/02/76         | 20          | 6928            | 1253S                              | 07413W                              | 37.2         | 48.6         | GGGG                  |                     |                      | 5                       | 69                     |
| 2497-15293        | 00000/0000                                     | 2-20026/0155 | 06/02/76         | 0           | 6929            | 7849N                              | 03943W                              | 33.3         | 194.9        | GGGG                  |                     |                      | 23                      | 3                      |
| 2497-15311        | 00000/0000                                     | 2-20026/0156 | 06/02/76         | 80          | 6929            | 7424N                              | 05718W                              | 37.8         | 175.5        | GGGG                  |                     |                      | 23                      | 7                      |
| 2497-17152        | 00000/0000                                     | 2-20026/0571 | 06/02/76         | 90          | 6930            | 7158N                              | 08445W                              | 40.1         | 168.8        | GGGG                  |                     |                      | 41                      | 9                      |
| 2497-17154        | 00000/0000                                     | 2-20026/0572 | 06/02/76         | 40          | 6930            | 7041N                              | 09104W                              | 41.1         | 165.9        | GGGG                  |                     |                      | 41                      | 10                     |
| 2497-17161        | 00000/0000                                     | 2-20026/0573 | 06/02/76         | 50          | 6930            | 6924N                              | 09307W                              | 42.2         | 163.2        | GGGG                  |                     |                      | 41                      | 11                     |
| 2497-17163        | 00000/0000                                     | 2-20026/0574 | 06/02/76         | 90          | 6930            | 6805N                              | 09456W                              | 43.3         | 160.7        | GGGG                  |                     |                      | 41                      | 12                     |
| 2497-17170        | 00000/0000                                     | 2-20026/0575 | 06/02/76         | 80          | 6930            | 6646N                              | 09634W                              | 44.3         | 158.3        | GGGG                  |                     |                      | 41                      | 13                     |
| 2497-17172        | 00000/0000                                     | 2-20026/0576 | 06/02/76         | 90          | 6930            | 6525N                              | 09802W                              | 45.3         | 156.0        | GGGG                  |                     |                      | 41                      | 14                     |
| 2497-17175        | 00000/0000                                     | 2-20026/0577 | 06/02/76         | 90          | 6930            | 6404N                              | 09922W                              | 46.3         | 153.8        | GGGG                  |                     |                      | 41                      | 15                     |
| 2497-17181        | 00000/0000                                     | 2-20026/0578 | 06/02/76         | 60          | 6930            | 6242N                              | 10036W                              | 47.3         | 151.7        | GGGG                  |                     |                      | 41                      | 16                     |
| 2497-17193        | 00000/0000                                     | 2-20026/0636 | 06/02/76         | 40          | 6930            | 5834N                              | 10343W                              | 50.1         | 145.4        | GGGG                  |                     |                      | 41                      | 19                     |
| 2497-17195        | 00000/0000                                     | 2-20026/0637 | 06/02/76         | 80          | 6930            | 5711N                              | 10437W                              | 51.0         | 143.3        | GGGG                  |                     |                      | 41                      | 20                     |
| 2497-17202        | 00000/0000                                     | 2-20026/0638 | 06/02/76         | 90          | 6930            | 5548N                              | 10527W                              | 51.8         | 141.2        | GGGG                  |                     |                      | 41                      | 21                     |
| 2497-17204        | 00000/0000                                     | 2-20026/0639 | 06/02/76         | 70          | 6930            | 5424N                              | 10614W                              | 52.6         | 139.1        | GGGG                  |                     |                      | 41                      | 22                     |
| 2497-17211        | 00000/0000                                     | 2-20026/0640 | 06/02/76         | 50          | 6930            | 5300N                              | 10659W                              | 53.4         | 137.0        | GGGG                  |                     |                      | 41                      | 23                     |
| 2497-17213        | 00000/0000                                     | 2-20026/0641 | 06/02/76         | 70          | 6930            | 5135N                              | 10741W                              | 54.2         | 134.8        | GGGG                  |                     |                      | 41                      | 24                     |
| 2497-17220        | 00000/0000                                     | 2-20026/0642 | 06/02/76         | 60          | 6930            | 5011N                              | 10821W                              | 54.9         | 132.6        | GGGG                  |                     |                      | 41                      | 25                     |
| 2497-17275        | 00000/0000                                     | 2-20026/0643 | 06/02/76         | 20          | 6930            | 3016N                              | 11524W                              | 59.6         | 97.3         | GGGG                  |                     |                      | 41                      | 39                     |
| 2497-20412        | 00000/0000                                     | 2-20026/0579 | 06/02/76         | 80          | 6932            | 7312N                              | 13744W                              | 39.0         | 172.0        | GGGG                  |                     |                      | 77                      | 8                      |
| 2497-20415        | 00000/0000                                     | 2-20026/0580 | 06/02/76         | 40          | 6932            | 7157N                              | 14020W                              | 40.1         | 168.8        | GGGG                  |                     |                      | 77                      | 9                      |
| 2497-22255        | 00000/0000                                     | 2-20026/0158 | 06/02/76         | 80          | 6933            | 6923N                              | 17033W                              | 42.2         | 163.2        | GGGG                  |                     |                      | 95                      | 11                     |
| 2498-01520        | 00000/0000                                     | 2-20026/0663 | 06/03/76         | 80          | 6935            | 7039N                              | 13951E                              | 41.2         | 165.8        | GGGG                  |                     |                      | 131                     | 10                     |
| 2498-01534        | 00000/0000                                     | 2-20026/0664 | 06/03/76         | 10          | 6935            | 4844N                              | 12155E                              | 55.6         | 130.2        | GGGG                  |                     |                      | 131                     | 26                     |
| 2498-01591        | 00000/0000                                     | 2-20026/0665 | 06/03/76         | 10          | 6935            | 4719N                              | 12120E                              | 56.2         | 127.9        | GGGG                  |                     |                      | 131                     | 27                     |
| 2498-01593        | 00000/0000                                     | 2-20026/0666 | 06/03/76         | 10          | 6935            | 4555N                              | 12045E                              | 56.8         | 125.5        | GGGG                  |                     |                      | 131                     | 28                     |
| 2498-02023        | 00000/0000                                     | 2-20026/0667 | 06/03/76         | 10          | 6935            | 3558N                              | 11714E                              | 59.4         | 107.7        | GGGG                  |                     |                      | 131                     | 35                     |
| 2498-02025        | 00000/0000                                     | 2-20026/0668 | 06/03/76         | 10          | 6935            | 3432N                              | 11647E                              | 59.5         | 105.1        | GGGG                  |                     |                      | 131                     | 36                     |
| 2498-02032        | 00000/0000                                     | 2-20026/0669 | 06/03/76         | 30          | 6935            | 3306N                              | 11622E                              | 59.6         | 102.4        | GGGG                  |                     |                      | 131                     | 37                     |
| 2498-02034        | 00000/0000                                     | 2-20026/0670 | 06/03/76         | 30          | 6935            | 3141N                              | 11556E                              | 59.6         | 99.8         | GGGG                  |                     |                      | 131                     | 38                     |
| 2498-02041        | 00000/0000                                     | 2-20026/0671 | 06/03/76         | 40          | 6935            | 3016N                              | 11531E                              | 59.6         | 97.1         | GGGG                  |                     |                      | 131                     | 39                     |
| 2498-02143        | 00000/0000                                     | 2-20026/0672 | 06/03/76         | 10          | 6935            | 0544S                              | 10644E                              | 42.6         | 52.4         | GGGG                  |                     |                      | 131                     | 64                     |
| 2498-02150        | 00000/0000                                     | 2-20026/0673 | 06/03/76         | 60          | 6935            | 0711S                              | 10624E                              | 41.5         | 51.5         | GGGG                  |                     |                      | 131                     | 65                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>( ) | MICROFILM<br>POSITION<br>REV | ROLL NO.<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>REV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RSH<br>NUMBER |
|--------------------|------------------------------|----------------------------|------------------|----------------|------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2498-03402         | 00000/0000                   | 2-20026/0635               | 06/03/76         | 0              | 6936             | 5421N                        | 09849E        | 52.7         | 139.0        | GGGG                               |                     |                      | 149                     | 22                     |
| 2498-05222         | 00000/0000                   | 2-20026/0674               | 06/03/76         | 90             | 6937             | 5842N                        | 07532E        | 50.2         | 145.3        | G                                  |                     |                      | 167                     | 19                     |
| 2498-05224         | 00000/0000                   | 2-20026/0675               | 06/03/76         | 80             | 6937             | 5748N                        | 07438E        | 51.0         | 143.2        | GGGF                               |                     |                      | 167                     | 20                     |
| 2498-05231         | 00000/0000                   | 2-20026/0676               | 06/03/76         | 50             | 6937             | 5545N                        | 07347E        | 51.9         | 141.1        | GGGF                               |                     |                      | 167                     | 21                     |
| 2498-05233         | 00000/0000                   | 2-20026/0677               | 06/03/76         | 30             | 6937             | 5421N                        | 07259E        | 52.7         | 139.0        | GGGF                               |                     |                      | 167                     | 22                     |
| 2498-05240         | 00000/0000                   | 2-20026/0678               | 06/03/76         | 40             | 6937             | 5256N                        | 07215E        | 53.5         | 136.8        | GGFG                               |                     |                      | 167                     | 23                     |
| 2498-05242         | 00000/0000                   | 2-20026/0679               | 06/03/76         | 60             | 6937             | 5132N                        | 07132E        | 54.2         | 134.6        | FGGG                               |                     |                      | 167                     | 24                     |
| 2498-05245         | 00000/0000                   | 2-20026/0680               | 06/03/76         | 70             | 6937             | 5007N                        | 07052E        | 54.9         | 132.4        | GGGG                               |                     |                      | 167                     | 25                     |
| 2498-05251         | 00000/0000                   | 2-20026/0681               | 06/03/76         | 40             | 6937             | 4843N                        | 07014E        | 55.6         | 130.1        | GGGG                               |                     |                      | 167                     | 26                     |
| 2498-05274         | 00000/0000                   | 2-20026/0682               | 06/03/76         | 10             | 6937             | 4013N                        | 06657E        | 58.6         | 115.5        | FGGG                               |                     |                      | 167                     | 32                     |
| 2498-07051         | 00000/0000                   | 2-20026/0683               | 06/03/76         | 10             | 6938             | 5944N                        | 05043E        | 49.3         | 147.3        | GGGG                               |                     |                      | 185                     | 18                     |
| 2498-07060         | 00000/0000                   | 2-20026/0684               | 06/03/76         | 0              | 6938             | 5749N                        | 04851E        | 51.0         | 143.2        | FGFG                               |                     |                      | 185                     | 20                     |
| 2498-07062         | 00000/0000                   | 2-20026/0685               | 06/03/76         | 10             | 6938             | 5545N                        | 04800E        | 51.9         | 141.1        | GGFG                               |                     |                      | 185                     | 21                     |
| 2498-07065         | 00000/0000                   | 2-20026/0686               | 06/03/76         | 10             | 6938             | 5420N                        | 04712E        | 52.7         | 139.0        | GGFG                               |                     |                      | 185                     | 22                     |
| 2498-07071         | 00000/0000                   | 2-20026/0687               | 06/03/76         | 20             | 6938             | 5257N                        | 04627E        | 53.5         | 136.8        | GGFG                               |                     |                      | 185                     | 23                     |
| 2498-07074         | 00000/0000                   | 2-20026/0688               | 06/03/76         | 30             | 6938             | 5133N                        | 04545E        | 54.2         | 134.6        | GGFG                               |                     |                      | 185                     | 24                     |
| 2498-07080         | 00000/0000                   | 2-20026/0689               | 06/03/76         | 80             | 6938             | 5008N                        | 04504E        | 54.9         | 132.4        | FFFF                               |                     |                      | 185                     | 25                     |
| 2498-07083         | 00000/0000                   | 2-20026/0690               | 06/03/76         | 90             | 6938             | 4843N                        | 04426E        | 55.6         | 130.1        | FFFF                               |                     |                      | 185                     | 26                     |
| 2498-07085         | 00000/0000                   | 2-20026/0691               | 06/03/76         | 100            | 6938             | 4718N                        | 04350E        | 56.2         | 127.8        | FGGG                               |                     |                      | 185                     | 27                     |
| 2498-07092         | 00000/0000                   | 2-20026/0692               | 06/03/76         | 90             | 6938             | 4544N                        | 04316E        | 56.8         | 125.4        | FGGG                               |                     |                      | 185                     | 28                     |
| 2498-07094         | 00000/0000                   | 2-20026/0693               | 06/03/76         | 70             | 6938             | 4429N                        | 04242E        | 57.4         | 123.0        | FGGG                               |                     |                      | 185                     | 29                     |
| 2498-07101         | 00000/0000                   | 2-20026/0694               | 06/03/76         | 40             | 6938             | 4303N                        | 04210E        | 57.8         | 120.6        | GGGG                               |                     |                      | 185                     | 30                     |
| 2498-07103         | 00000/0000                   | 2-20026/0695               | 06/03/76         | 10             | 6938             | 4138N                        | 04139E        | 58.3         | 118.1        | GGGG                               |                     |                      | 185                     | 31                     |
| 2498-08483         | 00000/0000                   | 2-20026/0696               | 06/03/76         | 90             | 6939             | 5954N                        | 02452E        | 49.3         | 147.3        | GGGG                               |                     |                      | 203                     | 18                     |
| 2498-08485         | 00000/0000                   | 2-20026/0697               | 06/03/76         | 90             | 6939             | 5831N                        | 02354E        | 50.2         | 145.2        | FGGG                               |                     |                      | 203                     | 19                     |
| 2498-08492         | 00000/0000                   | 2-20026/0698               | 06/03/76         | 100            | 6939             | 5708N                        | 02300E        | 51.1         | 143.2        | GGGG                               |                     |                      | 203                     | 20                     |
| 2498-10255         | 00000/0000                   | 2-20026/1182               | 06/03/76         | 90             | 6940             | 7741N                        | 03054E        | 34.6         | 189.0        | GGGG                               |                     |                      | 221                     | 4                      |
| 2498-10262         | 00000/0000                   | 2-20026/1183               | 06/03/76         | 50             | 6940             | 7639N                        | 02413E        | 35.7         | 183.9        | GGGG                               |                     |                      | 221                     | 5                      |
| 2498-10264         | 00000/0000                   | 2-20026/1184               | 06/03/76         | 10             | 6940             | 7533N                        | 02212E        | 36.8         | 179.4        | GGGG                               |                     |                      | 221                     | 6                      |
| 2498-12075         | 00000/0000                   | 2-20026/1185               | 06/03/76         | 40             | 6941             | 8009N                        | 02403E        | 31.1         | 209.1        | GGGG                               |                     |                      | 239                     | 1                      |
| 2498-12082         | 00000/0000                   | 2-20026/1186               | 06/03/76         | 40             | 6941             | 7927N                        | 01650E        | 32.3         | 201.5        | GGGG                               |                     |                      | 239                     | 2                      |
| 2498-12084         | 00000/0000                   | 2-20026/1187               | 06/03/76         | 20             | 6941             | 7837N                        | 01030E        | 33.4         | 194.8        | GGGG                               |                     |                      | 239                     | 3                      |
| 2498-12091         | 00000/0000                   | 2-20026/1188               | 06/03/76         | 60             | 6941             | 7741N                        | 00500E        | 34.6         | 189.0        | GGGG                               |                     |                      | 239                     | 4                      |
| 2498-12093         | 00000/0000                   | 2-20026/1189               | 06/03/76         | 90             | 6941             | 7638N                        | 00017E        | 35.7         | 183.9        | GGGG                               |                     |                      | 239                     | 5                      |
| 2498-13511         | 00000/0000                   | 2-20026/1190               | 06/03/76         | 90             | 6942             | 8009N                        | 00147W        | 31.1         | 209.0        | GGGG                               |                     |                      | 6                       | 1                      |
| 2498-13513         | 00000/0000                   | 2-20026/1191               | 06/03/76         | 40             | 6942             | 7928N                        | 00904W        | 32.3         | 201.4        | GGGG                               |                     |                      | 6                       | 2                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANNSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>REV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>REV MSS | MSS<br>DATA | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|-------------|----------------------|-------------------------|------------------------|
|                   |                                                |                  |                       |                                    |                                     |              |              | 123 45678             | MODE        |                      |                         |                        |
| 2498-13520        | 00000/0000                                     | 2-20026/1192     | 06/03/76              | 0                                  | 6942                                | 7838N        | 01522W       | 33.4 194.8            | GGGG        |                      | 6                       | 3                      |
| 2498-13522        | 00000/0000                                     | 2-20026/1193     | 06/03/76              | 0                                  | 6942                                | 7740N        | 02049W       | 34.6 188.9            | GGGG        |                      | 6                       | 4                      |
| 2498-13525        | 00000/0000                                     | 2-20026/1194     | 06/03/76              | 0                                  | 6942                                | 7638N        | 02531W       | 35.7 183.8            | FFGG        |                      | 6                       | 5                      |
| 2498-13531        | 00000/0000                                     | 2-20026/1195     | 06/03/76              | 30                                 | 6942                                | 7531N        | 02935W       | 36.9 179.4            | GGGG        |                      | 6                       | 6                      |
| 2498-13534        | 00000/0000                                     | 2-20026/1196     | 06/03/76              | 40                                 | 6942                                | 7421N        | 03301W       | 38.0 175.4            | GGGG        |                      | 6                       | 7                      |
| 2498-13540        | 00000/0000                                     | 2-20026/1197     | 06/03/76              | 40                                 | 6942                                | 7310N        | 03559W       | 39.1 171.9            | GGGG        |                      | 6                       | 8                      |
| 2498-13593        | 00000/0000                                     | 2-20026/0699     | 06/03/76              | 90                                 | 6942                                | 5546N        | 05513W       | 51.9 141.1            | GGGF        |                      | 6                       | 21                     |
| 2498-13595        | 00000/0000                                     | 2-20026/0700     | 06/03/76              | 90                                 | 6942                                | 5423N        | 05601W       | 52.7 139.0            | GGGG        |                      | 6                       | 22                     |
| 2498-14190        | 00000/0000                                     | 2-20026/0713     | 06/03/76              | 10                                 | 6942                                | 1128S        | 07519W       | 38.2 49.2             | GGGG        |                      | 6                       | 68                     |
| 2498-15142        | 00000/0000                                     | 2-20026/0731     | 06/03/76              | 10                                 | 6943                                | 5010N        | 08357W       | 55.0 132.4            | GGGG        |                      | 24                      | 25                     |
| 2498-17162        | 00000/0000                                     | 2-20026/0751     | 06/03/76              | 10                                 | 6944                                | 5424N        | 10740W       | 52.7 138.9            | GGGG        |                      | 42                      | 22                     |
| 2498-17265        | 00000/0000                                     | 2-20026/0752     | 06/03/76              | 70                                 | 6944                                | 5259N        | 10825W       | 53.5 136.8            | GGGG        |                      | 42                      | 23                     |
| 2498-17271        | 00000/0000                                     | 2-20026/0753     | 06/03/76              | 60                                 | 6944                                | 5134N        | 10907W       | 54.3 134.6            | GGGG        |                      | 42                      | 24                     |
| 2498-20473        | 00000/0000                                     | 2-20026/0732     | 06/03/76              | 10                                 | 6946                                | 7156N        | 14144W       | 40.2 168.7            | GGGG        |                      | 78                      | 9                      |
| 2498-23000        | 00000/0000                                     | 2-20026/0714     | 06/03/76              | 0                                  | 6947                                | 2715S        | 15137E       | 25.3 44.1             | GGGG        |                      | 96                      | 79                     |
| 2498-23002        | 00000/0000                                     | 2-20026/0715     | 06/03/76              | 0                                  | 6947                                | 2840S        | 15113E       | 24.1 43.9             | GGGG        |                      | 96                      | 80                     |
| 2498-23005        | 00000/0000                                     | 2-20026/0716     | 06/03/76              | 0                                  | 6947                                | 3006S        | 15049E       | 22.9 43.7             | GGGG        |                      | 96                      | 81                     |
| 2498-23011        | 00000/0000                                     | 2-20026/0717     | 06/03/76              | 0                                  | 6947                                | 3122S        | 15024E       | 21.7 43.5             | FFGF        |                      | 96                      | 82                     |
| 2499-02040        | 00000/0000                                     | 2-20026/0718     | 06/04/76              | 20                                 | 6949                                | 5078N        | 12107E       | 55.0 132.3            | GGGG        |                      | 132                     | 25                     |
| 2499-02042        | 00000/0000                                     | 2-20026/0719     | 06/04/76              | 30                                 | 6949                                | 4843N        | 12029E       | 55.7 130.0            | GGGG        |                      | 132                     | 26                     |
| 2499-02045        | 00000/0000                                     | 2-20026/0720     | 06/04/76              | 10                                 | 6949                                | 4718N        | 11952E       | 56.3 127.7            | GGGG        |                      | 132                     | 27                     |
| 2499-02051        | 00000/0000                                     | 2-20026/0721     | 06/04/76              | 20                                 | 6949                                | 4553N        | 11917E       | 56.9 125.3            | GGGG        |                      | 132                     | 28                     |
| 2499-02054        | 00000/0000                                     | 2-20026/0722     | 06/04/76              | 20                                 | 6949                                | 4428N        | 11844E       | 57.4 122.9            | GGGF        |                      | 132                     | 29                     |
| 2499-02060        | 00000/0000                                     | 2-20026/0723     | 06/04/76              | 40                                 | 6949                                | 4303N        | 11812E       | 57.9 120.4            | GGGG        |                      | 132                     | 30                     |
| 2499-02063        | 00000/0000                                     | 2-20026/0724     | 06/04/76              | 90                                 | 6949                                | 4138N        | 11742E       | 58.3 117.9            | FFFF        |                      | 132                     | 31                     |
| 2499-02065        | 00000/0000                                     | 2-20026/0725     | 06/04/76              | 40                                 | 6949                                | 4013N        | 11712E       | 58.7 115.3            | FFFG        |                      | 132                     | 32                     |
| 2499-02072        | 00000/0000                                     | 2-20026/0726     | 06/04/76              | 20                                 | 6949                                | 3847N        | 11643E       | 59.0 112.7            | FGGG        |                      | 132                     | 33                     |
| 2499-02074        | 00000/0000                                     | 2-20026/0727     | 06/04/76              | 10                                 | 6949                                | 3722N        | 11615E       | 59.2 110.1            | GGGF        |                      | 132                     | 34                     |
| 2499-02081        | 00000/0000                                     | 2-20026/0728     | 06/04/76              | 10                                 | 6949                                | 3556N        | 11548E       | 59.4 107.5            | GGGG        |                      | 132                     | 35                     |
| 2499-02083        | 00000/0000                                     | 2-20026/0729     | 06/04/76              | 10                                 | 6949                                | 3431N        | 11521E       | 59.6 104.8            | GGGG        |                      | 132                     | 36                     |
| 2499-02092        | 00000/0000                                     | 2-20026/0730     | 06/04/76              | 80                                 | 6949                                | 3141N        | 11429E       | 59.6 99.5             | FFFG        |                      | 132                     | 38                     |
| 2499-05292        | 00000/0000                                     | 2-20026/0793     | 06/04/76              | 10                                 | 6951                                | 5420N        | 07133E       | 52.8 138.8            | GGGG        |                      | 168                     | 22                     |
| 2499-05294        | 00000/0000                                     | 2-20026/0794     | 06/04/76              | 10                                 | 6951                                | 5256N        | 07048E       | 53.6 136.6            | GGG         |                      | 168                     | 23                     |
| 2499-05301        | 00000/0000                                     | 2-20026/0795     | 06/04/76              | 10                                 | 6951                                | 5131N        | 07006E       | 54.3 134.4            | GGG         |                      | 168                     | 24                     |
| 2499-05303        | 00000/0000                                     | 2-20026/0796     | 06/04/76              | 30                                 | 6951                                | 5005N        | 06925E       | 55.0 132.2            | GGGG        |                      | 168                     | 25                     |
| 2499-05310        | 00000/0000                                     | 2-20026/0797     | 06/04/76              | 20                                 | 6951                                | 4841N        | 06847E       | 55.7 129.9            | GGGG        |                      | 168                     | 26                     |

KEYS: CLOUD COVER 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2499-05333        | 00000/0000                   | 2-20026/0798                | 06/04/76         | 10             | 6951            | 4011N                              | 06530E                              | 58.7         | 115.3        | GGGG                               |                     |                      | 168                     | 32                     |
| 2499-07123        | 00000/0000                   | 2-20026/0799                | 06/04/76         | 40             | 6952            | 5419N                              | 04545E                              | 52.8         | 138.8        | GGGG                               |                     |                      | 186                     | 22                     |
| 2499-07130        | 00000/0000                   | 2-20026/0800                | 06/04/76         | 80             | 6952            | 5256N                              | 04501E                              | 53.6         | 136.6        | GGGG                               |                     |                      | 186                     | 23                     |
| 2499-07132        | 00000/0000                   | 2-20026/0774                | 06/04/76         | 90             | 6952            | 5132N                              | 04419E                              | 54.3         | 134.4        | G                                  |                     |                      | 186                     | 24                     |
| 2499-07135        | 00000/0000                   | 2-20026/0775                | 06/04/76         | 100            | 6952            | 5007N                              | 04338E                              | 55.0         | 132.2        | GGGG                               |                     |                      | 186                     | 25                     |
| 2499-07141        | 00000/0000                   | 2-20026/0776                | 06/04/76         | 80             | 6952            | 4842N                              | 04300E                              | 55.7         | 129.9        | GGGG                               |                     |                      | 186                     | 26                     |
| 2499-07144        | 00000/0000                   | 2-20026/0777                | 06/04/76         | 30             | 6952            | 4717N                              | 04223E                              | 56.3         | 127.6        | GGGG                               |                     |                      | 186                     | 27                     |
| 2499-07150        | 00000/0000                   | 2-20026/0778                | 06/04/76         | 10             | 6952            | 4552N                              | 04148E                              | 56.9         | 125.2        | GGGG                               |                     |                      | 186                     | 28                     |
| 2499-07153        | 00000/0000                   | 2-20026/0779                | 06/04/76         | 10             | 6952            | 4427N                              | 04115E                              | 57.4         | 122.8        | GGGG                               |                     |                      | 186                     | 29                     |
| 2499-07171        | 00000/0000                   | 2-20026/0780                | 06/04/76         | 10             | 6952            | 3846N                              | 03913E                              | 59.0         | 112.7        | GGGG                               |                     |                      | 186                     | 33                     |
| 2499-07173        | 00000/0000                   | 2-20026/0781                | 06/04/76         | 10             | 6952            | 3721N                              | 03846E                              | 59.2         | 110.0        | GGGG                               |                     |                      | 186                     | 34                     |
| 2499-07180        | 00000/0000                   | 2-20026/0782                | 06/04/76         | 0              | 6952            | 3556N                              | 03818E                              | 59.4         | 107.4        | GGGG                               |                     |                      | 186                     | 35                     |
| 2499-08550        | 00000/0000                   | 2-20026/0783                | 06/04/76         | 20             | 6953            | 5709N                              | 02134E                              | 51.1         | 143.1        | GGGG                               |                     |                      | 204                     | 20                     |
| 2499-08552        | 00000/0000                   | 2-20026/0784                | 06/04/76         | 30             | 6953            | 5547N                              | 02044E                              | 52.0         | 141.0        | GGGG                               |                     |                      | 204                     | 21                     |
| 2499-08555        | 00000/0000                   | 2-20026/0785                | 06/04/76         | 10             | 6953            | 5423N                              | 01957E                              | 52.8         | 138.8        | GGGG                               |                     |                      | 204                     | 22                     |
| 2499-09073        | 00000/0000                   | 2-20026/0786                | 06/04/76         | 10             | 6953            | 1427N                              | 00642E                              | 55.1         | 71.3         | GGGG                               |                     |                      | 204                     | 50                     |
| 2499-09075        | 00000/0000                   | 2-20026/0787                | 06/04/76         | 10             | 6953            | 1301N                              | 00622E                              | 54.4         | 69.5         | GGGG                               |                     |                      | 204                     | 51                     |
| 2499-10313        | 00000/0000                   | 2-20026/0788                | 06/04/76         | 90             | 6954            | 7741N                              | 02924E                              | 34.7         | 188.9        | GGGG                               |                     |                      | 222                     | 4                      |
| 2499-10320        | 00000/0000                   | 2-20026/0789                | 06/04/76         | 70             | 6954            | 7639N                              | 02444E                              | 35.8         | 183.8        | GGGG                               |                     |                      | 222                     | 5                      |
| 2499-10322        | 00000/0000                   | 2-20026/0790                | 06/04/76         | 80             | 6954            | 7533N                              | 02043E                              | 37.0         | 179.3        | GGGG                               |                     |                      | 222                     | 6                      |
| 2499-12133        | 00000/0000                   | 2-20026/0791                | 06/04/76         | 80             | 6955            | 8009N                              | 02233E                              | 31.2         | 208.9        | GGGG                               |                     |                      | 240                     | 1                      |
| 2499-12140        | 00000/0000                   | 2-20026/0792                | 06/04/76         | 60             | 6955            | 7928N                              | 01515E                              | 32.4         | 201.3        | GGGG                               |                     |                      | 240                     | 2                      |
| 2499-12142        | 00000/0000                   | 2-20026/0754                | 06/04/76         | 60             | 6955            | 7837N                              | 00853E                              | 33.6         | 194.6        | GGGG                               |                     |                      | 240                     | 3                      |
| 2499-12145        | 00000/0000                   | 2-20026/0755                | 06/04/76         | 100            | 6955            | 7741N                              | 00326E                              | 34.7         | 188.8        | GGGG                               |                     |                      | 240                     | 4                      |
| 2499-12151        | 00000/0000                   | 2-20026/0756                | 06/04/76         | 70             | 6955            | 7638N                              | 00111W                              | 35.9         | 183.7        | GGGG                               |                     |                      | 240                     | 5                      |
| 2499-13565        | 00000/0000                   | 2-20026/0757                | 06/04/76         | 30             | 6956            | 8009N                              | 00313W                              | 31.3         | 208.9        | GGGG                               |                     |                      | 7                       | 1                      |
| 2499-13572        | 00000/0000                   | 2-20026/0758                | 06/04/76         | 0              | 6956            | 7928N                              | 01030W                              | 32.4         | 201.3        | GGGG                               |                     |                      | 7                       | 2                      |
| 2499-13574        | 00000/0000                   | 2-20026/0759                | 06/04/76         | 10             | 6956            | 7838N                              | 01650W                              | 33.6         | 194.6        | GGGG                               |                     |                      | 7                       | 3                      |
| 2499-13581        | 00000/0000                   | 2-20026/0760                | 06/04/76         | 0              | 6956            | 7741N                              | 02217W                              | 34.7         | 188.8        | GGGG                               |                     |                      | 7                       | 4                      |
| 2499-13583        | 00000/0000                   | 2-20026/0761                | 06/04/76         | 0              | 6956            | 7639N                              | 02656W                              | 35.9         | 183.7        | GGGG                               |                     |                      | 7                       | 5                      |
| 2499-13590        | 00000/0000                   | 2-20026/0762                | 06/04/76         | 20             | 6956            | 7532N                              | 03056W                              | 37.0         | 179.3        | GGGG                               |                     |                      | 7                       | 6                      |
| 2499-14045        | 00000/0000                   | 2-20026/0701                | 06/04/76         | 80             | 6956            | 5709N                              | 05551W                              | 51.2         | 143.0        | GGGG                               |                     |                      | 7                       | 20                     |
| 2499-14051        | 00000/0000                   | 2-20026/0702                | 06/04/76         | 70             | 6956            | 5545N                              | 05641W                              | 52.0         | 140.9        | GGGG                               |                     |                      | 7                       | 21                     |
| 2499-14054        | 00000/0000                   | 2-20026/0703                | 06/04/76         | 40             | 6956            | 5422N                              | 05728W                              | 52.8         | 138.8        | GGGG                               |                     |                      | 7                       | 22                     |
| 2499-17321        | 00000/0000                   | 2-20026/0771                | 06/04/76         | 90             | 6958            | 5422N                              | 10907W                              | 52.8         | 138.8        | GGGG                               |                     |                      | 43                      | 22                     |
| 2499-17323        | 00000/0000                   | 2-20026/0772                | 06/04/76         | 60             | 6958            | 5258N                              | 10952W                              | 53.6         | 136.6        | GGGG                               |                     |                      | 43                      | 23                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=NO DATA AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT' LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2499-17330        | 00000/0000                                     | 2-20026/0773     | 06/04/76       | 60              | 6958 5133N                               | 11033W       | 54.3 134.4   | GGGG                  |                     |                      | 43                      | 24                     |
| 2499-20495        | 00000/0000                                     | 2-20026/1195     | 06/04/76       | 90              | 6960 8009N                               | 10633W       | 31.3 208.8   | GGGG                  |                     |                      | 79                      | 1                      |
| 2499-20502        | 00000/0000                                     | 2-20026/1198     | 06/04/76       | 90              | 6960 7927N                               | 11350W       | 32.5 201.2   | G                     |                     |                      | 79                      | 2                      |
| 2499-20504        | 00000/0000                                     | 2-20026/1200     | 06/04/76       | 10              | 6960 7837N                               | 12010W       | 33.6 194.6   | GGGG                  |                     |                      | 79                      | 3                      |
| 2499-20511        | 00000/0000                                     | 2-20026/1201     | 06/04/76       | 0               | 6960 7740N                               | 12538W       | 34.8 188.7   | GGGG                  |                     |                      | 79                      | 4                      |
| 2499-20513        | 00000/0000                                     | 2-20026/1202     | 06/04/76       | 0               | 6960 7638N                               | 13019W       | 35.9 183.7   | GGGG                  |                     |                      | 79                      | 5                      |
| 2499-20520        | 00000/0000                                     | 2-20026/1203     | 06/04/76       | 0               | 6960 7531N                               | 13418W       | 37.0 179.2   | GGGG                  |                     |                      | 79                      | 6                      |
| 2499-20522        | 00000/0000                                     | 2-20026/1204     | 06/04/76       | 0               | 6960 7422N                               | 13743W       | 38.2 175.3   | GGGG                  |                     |                      | 79                      | 7                      |
| 2499-20525        | 00000/0000                                     | 2-20026/1205     | 06/04/76       | 0               | 6960 7310N                               | 14042W       | 39.3 171.8   | GGGG                  |                     |                      | 79                      | 8                      |
| 2499-20531        | 00000/0000                                     | 2-20026/1206     | 06/04/76       | 10              | 6960 7155N                               | 14318W       | 40.3 168.6   | GGGG                  |                     |                      | 79                      | 9                      |
| 2499-23054        | 00000/0000                                     | 2-20026/0763     | 06/04/76       | 0               | 6961 2717S                               | 15010E       | 25.2 44.1    | GGGG                  |                     |                      | 97                      | 79                     |
| 2500-02115        | 00000/0000                                     | 2-20026/0764     | 06/05/76       | 40              | 6963 4302N                               | 11645E       | 57.9 120.2   | GGGG                  |                     |                      | 133                     | 30                     |
| 2500-02121        | 00000/0000                                     | 2-20026/0765     | 06/05/76       | 20              | 6963 4137N                               | 11614E       | 58.4 117.6   | GGGG                  |                     |                      | 133                     | 31                     |
| 2500-02124        | 00000/0000                                     | 2-20026/0766     | 06/05/76       | 10              | 6963 4011N                               | 11544E       | 58.7 115.1   | GGGG                  |                     |                      | 133                     | 32                     |
| 2500-02130        | 00000/0000                                     | 2-20026/0767     | 06/05/76       | 50              | 6963 3846N                               | 11515E       | 59.0 112.5   | GGGG                  |                     |                      | 133                     | 33                     |
| 2500-02133        | 00000/0000                                     | 2-20026/0768     | 06/05/76       | 70              | 6963 3721N                               | 11446E       | 59.3 109.8   | GGGG                  |                     |                      | 133                     | 34                     |
| 2500-02135        | 00000/0000                                     | 2-20026/0769     | 06/05/76       | 20              | 6963 3554N                               | 11419E       | 59.5 107.2   | GGGG                  |                     |                      | 133                     | 35                     |
| 2500-02142        | 00000/0000                                     | 2-20026/0770     | 06/05/76       | 10              | 6963 3428N                               | 11352E       | 59.6 104.5   | GGGG                  |                     |                      | 133                     | 36                     |
| 2500-03503        | 00000/0000                                     | 2-20026/0801     | 06/05/76       | 90              | 6964 5832N                               | 09828E       | 50.3 145.1   | GGGG                  |                     |                      | 151                     | 19                     |
| 2500-03505        | 00000/0000                                     | 2-20026/0802     | 06/05/76       | 80              | 6964 5739N                               | 09735E       | 51.2 143.0   | GGGG                  |                     |                      | 151                     | 20                     |
| 2500-03512        | 00000/0000                                     | 2-20026/0803     | 06/05/76       | 80              | 6964 5546N                               | 09644E       | 50.0 140.9   | GGGG                  |                     |                      | 151                     | 21                     |
| 2500-05334        | 00000/0000                                     | 2-20026/0825     | 06/05/76       | 10              | 6965 5832N                               | 07241E       | 50.4 145.1   | GGGG                  |                     |                      | 169                     | 19                     |
| 2500-05341        | 00000/0000                                     | 2-20026/0826     | 06/05/76       | 0               | 6965 5710N                               | 07148E       | 51.2 143.0   | GGGG                  |                     |                      | 169                     | 20                     |
| 2500-05343        | 00000/0000                                     | 2-20026/0827     | 06/05/76       | 0               | 6965 5546N                               | 07058E       | 52.0 140.8   | GGGG                  |                     |                      | 169                     | 21                     |
| 2500-05350        | 00000/0000                                     | 2-20026/0828     | 06/05/76       | 0               | 6965 5423N                               | 07010E       | 52.9 138.7   | GGGG                  |                     |                      | 169                     | 22                     |
| 2500-05352        | 00000/0000                                     | 2-20026/0829     | 06/05/76       | 0               | 6965 5258N                               | 06925E       | 53.6 136.5   | GGGG                  |                     |                      | 169                     | 23                     |
| 2500-05355        | 00000/0000                                     | 2-20026/0830     | 06/05/76       | 10              | 6965 5134N                               | 06842E       | 54.4 134.3   | GGGG                  |                     |                      | 169                     | 24                     |
| 2500-05361        | 00000/0000                                     | 2-20026/0831     | 06/05/76       | 10              | 6965 5010N                               | 06702E       | 55.1 132.1   | GGGG                  |                     |                      | 169                     | 25                     |
| 2500-05364        | 00000/0000                                     | 2-20026/0832     | 06/05/76       | 10              | 6965 4845N                               | 06724E       | 55.7 129.8   | GGGG                  |                     |                      | 169                     | 26                     |
| 2500-05370        | 00000/0000                                     | 2-20026/0833     | 06/05/76       | 10              | 6965 4720N                               | 06647E       | 56.4 127.5   | GGGG                  |                     |                      | 169                     | 27                     |
| 2500-05373        | 00000/0000                                     | 2-20026/0834     | 06/05/76       | 10              | 6965 4555N                               | 06613E       | 56.9 125.1   | GGGG                  |                     |                      | 169                     | 28                     |
| 2500-05375        | 00000/0000                                     | 2-20026/0835     | 06/05/76       | 10              | 6965 4430N                               | 06539E       | 57.5 122.7   | GGGG                  |                     |                      | 169                     | 29                     |
| 2500-05405        | 00000/0000                                     | 2-20026/0836     | 06/05/76       | 0               | 6965 3431N                               | 06214E       | 59.6 104.6   | FFFF                  |                     |                      | 169                     | 36                     |
| 2500-05411        | 00000/0000                                     | 2-20026/0837     | 06/05/76       | 0               | 6965 3306N                               | 06149E       | 59.6 101.9   | GGGG                  |                     |                      | 169                     | 37                     |
| 2500-05414        | 00000/0000                                     | 2-20026/0838     | 06/05/76       | 0               | 6965 3141N                               | 06124E       | 59.6 99.3    | GGGG                  |                     |                      | 169                     | 38                     |
| 2500-05420        | 00000/0000                                     | 2-20026/0839     | 06/05/76       | 0               | 6965 3015N                               | 06059E       | 59.6 96.6    | GGGG                  |                     |                      | 169                     | 39                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANHSAT-2  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>QUAL<br>123 | MSS<br>DATA<br>45678 | MSS<br>IMAGE<br>MODE | MSS<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RAN<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|---------------|--------------|--------------|-------------------|--------------------|----------------------|----------------------|-------------|-------------------------|------------------------|
| 2500-05423        | 00000/0000                                     | 2-20026/0840     | 06/05/76       | 10              | 6965                               | 2849N         | 06035E       | 59.4         | 94.0              |                    |                      |                      |             | 169                     | 40                     |
| 2500-05425        | 00000/0000                                     | 2-20026/0841     | 06/05/76       | 0               | 6965                               | 2723N         | 06011E       | 59.3         | 91.5              | GGFG               |                      |                      |             | 169                     | 41                     |
| 2500-05432        | 00000/0000                                     | 2-20026/0842     | 06/05/76       | 10              | 6965                               | 2557N         | 05948E       | 59.0         | 88.9              | GGFG               |                      |                      |             | 169                     | 42                     |
| 2500-05552        | 00000/0000                                     | 2-20026/0843     | 06/05/76       | 50              | 6965                               | 1545S         | 04951E       | 34.6         | 47.2              | GGGG               |                      |                      |             | 169                     | 71                     |
| 2500-05555        | 00000/0000                                     | 2-20026/0844     | 06/05/76       | 70              | 6965                               | 1711S         | 04929E       | 33.5         | 46.7              | GGGG               |                      |                      |             | 169                     | 72                     |
| 2500-05561        | 00000/0000                                     | 2-20026/0845     | 06/05/76       | 20              | 6965                               | 1837S         | 04908E       | 32.3         | 46.2              | GGGG               |                      |                      |             | 169                     | 73                     |
| 2500-07163        | 00000/0000                                     | 2-20026/0846     | 06/05/76       | 90              | 6966                               | 5957N         | 04750E       | 49.4         | 147.1             | GGGF               |                      |                      |             | 187                     | 18                     |
| 2500-07170        | 00000/0000                                     | 2-20026/0847     | 06/05/76       | 90              | 6966                               | 5834N         | 04652E       | 50.3         | 145.0             | GGGG               |                      |                      |             | 187                     | 19                     |
| 2500-07181        | 00000/0000                                     | 2-20026/0805     | 06/05/76       | 80              | 6966                               | 5422N         | 04621E       | 52.9         | 138.7             | GGGG               |                      |                      |             | 187                     | 22                     |
| 2500-07184        | 00000/0000                                     | 2-20026/0806     | 06/05/76       | 90              | 6966                               | 5259N         | 04336E       | 53.6         | 136.5             | GGGG               |                      |                      |             | 187                     | 23                     |
| 2500-07190        | 00000/0000                                     | 2-20026/0807     | 06/05/76       | 50              | 6966                               | 5134N         | 04253E       | 54.4         | 134.3             | GGGG               |                      |                      |             | 187                     | 24                     |
| 2500-07192        | 00000/0000                                     | 2-20026/0808     | 06/05/76       | 10              | 6966                               | 5009N         | 04212E       | 55.1         | 132.1             | GGGG               |                      |                      |             | 187                     | 25                     |
| 2500-07195        | 00000/0000                                     | 2-20026/0809     | 06/05/76       | 10              | 6966                               | 4845N         | 04134E       | 55.7         | 129.8             | GGGG               |                      |                      |             | 187                     | 26                     |
| 2500-07202        | 00000/0000                                     | 2-20026/0810     | 06/05/76       | 30              | 6966                               | 4720N         | 04058E       | 56.4         | 127.5             | FGGG               |                      |                      |             | 187                     | 27                     |
| 2500-07204        | 00000/0000                                     | 2-20026/0811     | 06/05/76       | 40              | 6966                               | 4555N         | 04023E       | 56.9         | 125.1             | GGGG               |                      |                      |             | 187                     | 28                     |
| 2500-07211        | 00000/0000                                     | 2-20026/0812     | 06/05/76       | 40              | 6966                               | 4430N         | 03950E       | 57.5         | 122.7             | GGGG               |                      |                      |             | 187                     | 29                     |
| 2500-09131        | 00000/0000                                     | 2-20026/0813     | 06/05/76       | 90              | 6967                               | 1427N         | 00517E       | 55.0         | 71.1              | GGGG               |                      |                      |             | 205                     | 50                     |
| 2500-09134        | 00000/0000                                     | 2-20026/0814     | 06/05/76       | 50              | 6967                               | 1300N         | 00456E       | 54.3         | 69.3              | GGGG               |                      |                      |             | 205                     | 51                     |
| 2500-09140        | 00000/0000                                     | 2-20026/0815     | 06/05/76       | 10              | 6967                               | 1134N         | 00436E       | 53.6         | 67.5              | GGGG               |                      |                      |             | 205                     | 52                     |
| 2500-09143        | 00000/0000                                     | 2-20026/0816     | 06/05/76       | 10              | 6967                               | 1038N         | 00415E       | 52.8         | 65.8              | GGGG               |                      |                      |             | 205                     | 53                     |
| 2500-10365        | 00000/0000                                     | 2-20026/0817     | 06/05/76       | 30              | 6968                               | 7837N         | 03318E       | 33.7         | 194.6             | GGGG               |                      |                      |             | 223                     | 3                      |
| 2500-10372        | 00000/0000                                     | 2-20026/0818     | 06/05/76       | 90              | 6968                               | 7740N         | 02751E       | 34.8         | 182.7             | GGGG               |                      |                      |             | 223                     | 4                      |
| 2500-10374        | 00000/0000                                     | 2-20026/0819     | 06/05/76       | 90              | 6968                               | 7638N         | 02311E       | 36.0         | 183.7             | GGGG               |                      |                      |             | 223                     | 5                      |
| 2500-10381        | 00000/0000                                     | 2-20026/0820     | 06/05/76       | 50              | 6968                               | 7531N         | 01911E       | 37.1         | 179.2             | GGGG               |                      |                      |             | 223                     | 6                      |
| 2500-12192        | 00000/0000                                     | 2-20026/0821     | 06/05/76       | 20              | 6969                               | 8009N         | 02109E       | 31.4         | 208.8             | GGGG               |                      |                      |             | 241                     | 1                      |
| 2500-12194        | 00000/0000                                     | 2-20026/0822     | 06/05/76       | 10              | 6969                               | 7927N         | 01353E       | 32.5         | 201.2             | GGGG               |                      |                      |             | 241                     | 2                      |
| 2500-12201        | 00000/0000                                     | 2-20026/0823     | 06/05/76       | 10              | 6969                               | 7837N         | 00731E       | 33.7         | 194.5             | GGGG               |                      |                      |             | 241                     | 3                      |
| 2500-12203        | 00000/0000                                     | 2-20026/0824     | 06/05/76       | 90              | 6969                               | 7740N         | 00203E       | 34.8         | 188.7             | GGGG               |                      |                      |             | 241                     | 4                      |
| 2500-12210        | 00000/0000                                     | 2-20026/0825     | 06/05/76       | 90              | 6969                               | 7637N         | 00236W       | 36.0         | 183.6             | GGG                |                      |                      |             | 241                     | 5                      |
| 2500-14023        | 00000/0000                                     | 2-20026/0858     | 06/05/76       | 10              | 6970                               | 8008N         | 00443W       | 31.4         | 208.7             | GGGG               |                      |                      |             | 8                       | 1                      |
| 2500-14030        | 00000/0000                                     | 2-20026/0859     | 06/05/76       | 80              | 6970                               | 7926N         | 01158W       | 32.6         | 201.2             | GGGG               |                      |                      |             | 8                       | 2                      |
| 2500-14032        | 00000/0000                                     | 2-20026/0860     | 06/05/76       | 50              | 6970                               | 7836N         | 01158W       | 33.7         | 194.5             | GGGG               |                      |                      |             | 8                       | 3                      |
| 2500-14035        | 00000/0000                                     | 2-20026/0861     | 06/05/76       | 50              | 6970                               | 7740N         | 02342W       | 34.9         | 188.7             | GGFG               |                      |                      |             | 8                       | 4                      |
| 2500-14041        | 00000/0000                                     | 2-20026/0862     | 06/05/76       | 90              | 6970                               | 7637N         | 02823W       | 36.0         | 183.6             | GGFG               |                      |                      |             | 8                       | 5                      |
| 2500-14044        | 00000/0000                                     | 2-20026/0863     | 06/05/76       | 100             | 6970                               | 7531N         | 03223W       | 37.1         | 179.2             | GGFG               |                      |                      |             | 8                       | 6                      |
| 2500-14050        | 00000/0000                                     | 2-20026/0864     | 06/05/76       | 100             | 6970                               | 7421N         | 03550W       | 38.2         | 175.2             | GGFG               |                      |                      |             | 8                       | 7                      |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------------------------|------------------|----------------|-----------------|------------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2500-14071        | 00000/0000 2-20024/0865                            | 06/05/76         | 90             | 6970            | 6802N                              | 04735W        | 43.6         | 160.4        | GGGG                               |                     |                      | 8                       | 12                     |
| 2500-14105        | 00000/0000 2-20024/1207                            | 06/05/76         | 10             | 6970            | 5544N                              | 05407W        | 52.1         | 140.7        | GGFG                               |                     |                      | 8                       | 21                     |
| 2500-14112        | 00000/0000 2-20024/1208                            | 06/05/76         | 30             | 6970            | 5420N                              | 05454W        | 52.9         | 138.6        | GGGG                               |                     |                      | 8                       | 22                     |
| 2500-17375        | 00000/0000 2-20024/0854                            | 06/05/76         | 20             | 6972            | 5422N                              | 11035W        | 52.9         | 138.6        | GGGG                               |                     |                      | 44                      | 22                     |
| 2500-17382        | 00000/0000 2-20024/0855                            | 06/05/76         | 30             | 6972            | 5257N                              | 11119W        | 53.7         | 136.4        | GGGG                               |                     |                      | 44                      | 23                     |
| 2500-17384        | 00000/0000 2-20024/0856                            | 06/05/76         | 80             | 6972            | 5132N                              | 11201W        | 54.4         | 134.2        | GGGG                               |                     |                      | 44                      | 24                     |
| 2500-20554        | 00000/0000 2-20024/0704                            | 06/05/76         | 50             | 6974            | 8009N                              | 10805W        | 31.4         | 208.7        | GGG                                |                     |                      | 80                      | 1                      |
| 2500-20560        | 00000/0000 2-20024/0705                            | 06/05/76         | 90             | 6974            | 7927N                              | 11524W        | 32.6         | 201.1        | GGGG                               |                     |                      | 80                      | 2                      |
| 2500-20563        | 00000/0000 2-20024/0706                            | 06/05/76         | 90             | 6974            | 7836N                              | 12143W        | 33.7         | 194.4        | GGGG                               |                     |                      | 80                      | 3                      |
| 2500-20565        | 00000/0000 2-20024/0707                            | 06/05/76         | 60             | 6974            | 7740N                              | 12707W        | 34.9         | 188.6        | GGGG                               |                     |                      | 80                      | 4                      |
| 2500-20572        | 00000/0000 2-20024/0708                            | 06/05/76         | 20             | 6974            | 7637N                              | 13147W        | 36.0         | 183.6        | GGGG                               |                     |                      | 80                      | 5                      |
| 2500-20574        | 00000/0000 2-20024/0709                            | 06/05/76         | 90             | 6974            | 7531N                              | 13547W        | 37.2         | 179.1        | GGGG                               |                     |                      | 80                      | 6                      |
| 2500-20581        | 00000/0000 2-20024/0710                            | 06/05/76         | 90             | 6974            | 7421N                              | 13913W        | 38.3         | 175.2        | GGGG                               |                     |                      | 80                      | 7                      |
| 2500-20583        | 00000/0000 2-20024/0711                            | 06/05/76         | 10             | 6974            | 7308N                              | 14212W        | 39.4         | 171.7        | GGGG                               |                     |                      | 80                      | 8                      |
| 2500-20590        | 00000/0000 2-20024/0712                            | 06/05/76         | 10             | 6974            | 7154N                              | 14448W        | 40.5         | 168.5        | GGGG                               |                     |                      | 80                      | 9                      |
| 2500-23135        | 00000/0000 2-20024/0866                            | 06/05/76         | 90             | 6975            | 3549S                              | 14415E        | 17.7         | 43.1         | GGGG                               |                     |                      | 98                      | 85                     |
| 2501-02175        | 00000/0000 2-20024/0867                            | 06/06/76         | 90             | 6977            | 4140N                              | 11448E        | 58.4         | 117.5        | FGGG                               |                     |                      | 134                     | 31                     |
| 2501-02182        | 00000/0000 2-20024/0868                            | 06/06/76         | 70             | 6977            | 4015N                              | 11419E        | 58.7         | 114.9        | GGGG                               |                     |                      | 134                     | 32                     |
| 2501-02184        | 00000/0000 2-20024/0869                            | 06/06/76         | 50             | 6977            | 3849N                              | 11350E        | 59.0         | 112.3        | GGGG                               |                     |                      | 134                     | 33                     |
| 2501-02191        | 00000/0000 2-20024/0870                            | 06/06/76         | 20             | 6977            | 3724N                              | 11321E        | 59.3         | 109.7        | GGGG                               |                     |                      | 134                     | 34                     |
| 2501-02193        | 00000/0000 2-20024/0871                            | 06/06/76         | 10             | 6977            | 3582N                              | 11254E        | 59.5         | 107.1        | GGGG                               |                     |                      | 134                     | 35                     |
| 2501-02200        | 00000/0000 2-20024/0872                            | 06/06/76         | 60             | 6977            | 3432N                              | 11228E        | 59.6         | 104.4        | GGGG                               |                     |                      | 134                     | 36                     |
| 2501-03561        | 00000/0000 2-20024/0848                            | 06/06/76         | 90             | 6978            | 5833N                              | 09704E        | 50.4         | 144.9        | GGGG                               |                     |                      | 152                     | 19                     |
| 2501-03564        | 00000/0000 2-20024/0849                            | 06/06/76         | 90             | 6978            | 5710N                              | 09610E        | 51.3         | 142.8        | GGGG                               |                     |                      | 152                     | 20                     |
| 2501-03570        | 00000/0000 2-20024/0850                            | 06/06/76         | 90             | 6978            | 5546N                              | 09519E        | 52.1         | 140.7        | GGGG                               |                     |                      | 152                     | 21                     |
| 2501-03582        | 00000/0000 2-20024/0873                            | 06/06/76         | 70             | 6978            | 5133N                              | 09306E        | 54.4         | 134.2        | GGGG                               |                     |                      | 152                     | 24                     |
| 2501-04002        | 00000/0000 2-20024/0874                            | 06/06/76         | 10             | 6978            | 4429N                              | 09002E        | 57.5         | 122.5        | GGGG                               |                     |                      | 152                     | 29                     |
| 2501-05393        | 00000/0000 2-20024/0896                            | 06/06/76         | 10             | 6979            | 5832N                              | 07114E        | 50.4         | 144.9        | GGGG                               |                     |                      | 170                     | 19                     |
| 2501-05395        | 00000/0000 2-20024/0897                            | 06/06/76         | 0              | 6979            | 5709N                              | 07020E        | 51.3         | 142.8        | GGGG                               |                     |                      | 170                     | 20                     |
| 2501-05402        | 00000/0000 2-20024/0898                            | 06/06/76         | 0              | 6979            | 5545N                              | 06929E        | 52.1         | 140.7        | GGGG                               |                     |                      | 170                     | 21                     |
| 2501-05404        | 00000/0000 2-20024/0899                            | 06/06/76         | 10             | 6979            | 5420N                              | 06841E        | 52.9         | 138.5        | GGGG                               |                     |                      | 170                     | 22                     |
| 2501-05411        | 00000/0000 2-20024/0900                            | 06/06/76         | 0              | 6979            | 5257N                              | 06756E        | 53.7         | 136.4        | GGGG                               |                     |                      | 170                     | 23                     |
| 2501-05413        | 00000/0000 2-20024/0901                            | 06/06/76         | 10             | 6979            | 5133N                              | 06714E        | 54.5         | 134.2        | GGGG                               |                     |                      | 170                     | 24                     |
| 2501-05420        | 00000/0000 2-20024/0902                            | 06/06/76         | 10             | 6979            | 5008N                              | 06635E        | 55.2         | 131.9        | GGGF                               |                     |                      | 170                     | 25                     |
| 2501-05422        | 00000/0000 2-20024/0903                            | 06/06/76         | 10             | 6979            | 4844N                              | 06557E        | 55.8         | 129.6        | GGGF                               |                     |                      | 170                     | 26                     |
| 2501-05425        | 00000/0000 2-20024/0904                            | 06/06/76         | 20             | 6979            | 4720N                              | 06520E        | 56.4         | 127.3        | GGGG                               |                     |                      | 170                     | 27                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RSV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RSV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2501-05431        | 00000/0000 2-20026/0905                        | 06/06/76         | 10             | 6979            | 4555N                              | 06445E                              | 57.0         | 124.9        | GGGG              |                     |                      | 170                     | 28                     |
| 2501-05434        | 00000/0000 2-20026/0906                        | 06/06/76         | 0              | 6979            | 4430N                              | 06412E                              | 57.5         | 122.5        | GGGG              |                     |                      | 170                     | 29                     |
| 2501-05452        | 00000/0000 2-20026/0875                        | 06/06/76         | 10             | 6979            | 3848N                              | 06209E                              | 59.0         | 112.3        | FGGG              |                     |                      | 170                     | 33                     |
| 2501-05454        | 00000/0000 2-20026/0876                        | 06/06/76         | 10             | 6979            | 3723N                              | 06142E                              | 59.3         | 109.7        | GGGG              |                     |                      | 170                     | 34                     |
| 2501-05461        | 00000/0000 2-20026/0877                        | 06/06/76         | 10             | 6979            | 3558N                              | 06115E                              | 59.5         | 107.0        | FGGG              |                     |                      | 170                     | 35                     |
| 2501-05481        | 00000/0000 2-20026/0878                        | 06/06/76         | 20             | 6979            | 2847N                              | 05908E                              | 59.4         | 93.8         | FGFG              |                     |                      | 170                     | 40                     |
| 2501-05484        | 00000/0000 2-20026/0879                        | 06/06/76         | 20             | 6979            | 2722N                              | 05845E                              | 59.2         | 91.2         | GGGG              |                     |                      | 170                     | 41                     |
| 2501-05490        | 00000/0000 2-20026/0880                        | 06/06/76         | 10             | 6979            | 2556N                              | 05822E                              | 59.0         | 88.7         | GGGG              |                     |                      | 170                     | 42                     |
| 2501-06013        | 00000/0000 2-20026/0881                        | 06/06/76         | 20             | 6979            | 1712S                              | 04804E                              | 33.3         | 46.6         | GGGG              |                     |                      | 170                     | 72                     |
| 2501-06020        | 00000/0000 2-20026/0882                        | 06/06/76         | 20             | 6979            | 1838S                              | 04742E                              | 32.2         | 46.1         | GGGG              |                     |                      | 170                     | 73                     |
| 2501-07215        | 00000/0000 2-20026/0883                        | 06/06/76         | 10             | 6980            | 6119N                              | 04729E                              | 48.6         | 149.1        | FFGG              |                     |                      | 188                     | 17                     |
| 2501-07222        | 00000/0000 2-20026/0884                        | 06/06/76         | 20             | 6980            | 5956N                              | 04626E                              | 49.5         | 147.0        | GGGG              |                     |                      | 188                     | 18                     |
| 2501-07224        | 00000/0000 2-20026/0885                        | 06/06/76         | 10             | 6980            | 5833N                              | 04528E                              | 50.4         | 144.9        | GGGG              |                     |                      | 188                     | 19                     |
| 2501-07231        | 00000/0000 2-20026/0886                        | 06/06/76         | 10             | 6980            | 5709N                              | 04434E                              | 51.3         | 142.8        | GFGE              |                     |                      | 188                     | 20                     |
| 2501-07233        | 00000/0000 2-20026/0887                        | 06/06/76         | 30             | 6980            | 5545N                              | 04343E                              | 52.1         | 140.7        | GGGG              |                     |                      | 188                     | 21                     |
| 2501-07240        | 00000/0000 2-20026/0888                        | 06/06/76         | 90             | 6980            | 5422N                              | 04256E                              | 53.0         | 138.5        | GGGG              |                     |                      | 188                     | 22                     |
| 2501-07242        | 00000/0000 2-20026/0889                        | 06/06/76         | 90             | 6980            | 5257N                              | 04211E                              | 53.7         | 136.4        | GGGG              |                     |                      | 188                     | 23                     |
| 2501-07245        | 00000/0000 2-20026/0890                        | 06/06/76         | 90             | 6980            | 5133N                              | 04129E                              | 54.5         | 134.1        | GFGE              |                     |                      | 188                     | 24                     |
| 2501-07251        | 00000/0000 2-20026/0891                        | 06/06/76         | 80             | 6980            | 5009N                              | 04049E                              | 55.2         | 131.9        | GGGG              |                     |                      | 188                     | 25                     |
| 2501-07254        | 00000/0000 2-20026/0892                        | 06/06/76         | 20             | 6980            | 4844N                              | 04010E                              | 55.6         | 129.6        | GGGG              |                     |                      | 188                     | 26                     |
| 2501-07260        | 00000/0000 2-20026/0893                        | 06/06/76         | 10             | 6980            | 4720N                              | 03934E                              | 56.4         | 127.3        | GGGG              |                     |                      | 188                     | 27                     |
| 2501-07263        | 00000/0000 2-20026/0894                        | 06/06/76         | 20             | 6980            | 4555N                              | 03859E                              | 57.0         | 124.9        | GFGE              |                     |                      | 188                     | 28                     |
| 2501-07265        | 00000/0000 2-20026/0895                        | 06/06/76         | 20             | 6980            | 4430N                              | 03826E                              | 57.5         | 122.4        | GGGG              |                     |                      | 188                     | 29                     |
| 2501-10432        | 00000/0000 2-20027/0204                        | 06/06/76         | 30             | 6982            | 7637N                              | 02143E                              | 36.1         | 183.5        | GGGG              |                     |                      | 224                     | 5                      |
| 2501-10435        | 00000/0000 2-20027/0205                        | 06/06/76         | 70             | 6982            | 7530N                              | 01744E                              | 37.2         | 179.1        | GGGG              |                     |                      | 224                     | 6                      |
| 2501-14082        | 00000/0000 2-20026/1160                        | 06/06/76         | 70             | 6984            | 8008N                              | 00620W                              | 31.5         | 208.6        | GGGG              |                     |                      | 9                       | 1                      |
| 2501-14084        | 00000/0000 2-20026/1161                        | 06/06/76         | 90             | 6984            | 7927N                              | 01336W                              | 32.7         | 201.0        | GGGG              |                     |                      | 9                       | 2                      |
| 2501-14091        | 00000/0000 2-20026/1162                        | 06/06/76         | 80             | 6984            | 7837N                              | 01955W                              | 33.8         | 194.4        | GGGG              |                     |                      | 9                       | 3                      |
| 2501-14134        | 00000/0000 2-20026/1209                        | 06/06/76         | 10             | 6984            | 4843N                              | 06308W                              | 55.8         | 129.5        | FGGG              |                     |                      | 9                       | 24                     |
| 2501-14193        | 00000/0000 2-20026/1210                        | 06/06/76         | 10             | 6984            | 4553N                              | 06419W                              | 57.0         | 124.8        | GGGG              |                     |                      | 9                       | 25                     |
| 2501-14200        | 00000/0000 2-20026/1211                        | 06/06/76         | 20             | 6984            | 4428N                              | 06452W                              | 57.5         | 122.3        | GGGF              |                     |                      | 9                       | 26                     |
| 2501-14202        | 00000/0000 2-20026/1212                        | 06/06/76         | 40             | 6984            | 4303N                              | 06524W                              | 58.0         | 119.9        | GGGF              |                     |                      | 9                       | 27                     |
| 2501-14205        | 00000/0000 2-20026/1213                        | 06/06/76         | 90             | 6984            | 4138N                              | 06555W                              | 58.4         | 117.3        | GGGG              |                     |                      | 9                       | 28                     |
| 2501-15525        | 00000/0000 2-20026/1163                        | 06/06/76         | 100            | 6985            | 7739N                              | 05108W                              | 35.0         | 188.6        | GGGG              |                     |                      | 27                      | 4                      |
| 2501-16002        | 00000/0000 2-20026/1214                        | 06/06/76         | 90             | 6985            | 5421N                              | 08611W                              | 53.0         | 138.4        | GGGG              |                     |                      | 27                      | 22                     |
| 2501-16004        | 00000/0000 2-20026/1215                        | 06/06/76         | 90             | 6985            | 5257N                              | 08656W                              | 53.8         | 136.3        | GGGG              |                     |                      | 27                      | 23                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2501-16011        | 00000/0000                   | 2-20024/1216                | 06/06/76         | 80             | 6985            | 5133N                              | 08739W                              | 54.5         | 134.1        | GGGG                  |                     |                      | 27                      | 24                     |
| 2501-16013        | 00000/0000                   | 2-20024/1217                | 06/06/76         | 20             | 6985            | 5008N                              | 08819W                              | 55.2         | 131.8        | GGGG                  |                     |                      | 27                      | 25                     |
| 2501-17433        | 00000/0000                   | 2-20024/0851                | 06/06/76         | 30             | 6986            | 5419N                              | 11159W                              | 53.0         | 138.4        | GGGG                  |                     |                      | 45                      | 22                     |
| 2501-17440        | 00000/0000                   | 2-20024/0852                | 06/06/76         | 10             | 6986            | 5255N                              | 11244W                              | 53.8         | 136.3        | GGGG                  |                     |                      | 45                      | 23                     |
| 2501-17442        | 00000/0000                   | 2-20024/0853                | 06/06/76         | 50             | 6986            | 5132N                              | 11326W                              | 54.5         | 134.0        | GGGG                  |                     |                      | 45                      | 24                     |
| 2501-21012        | 00000/0000                   | 2-20024/1014                | 06/06/76         | 20             | 6988            | 8008N                              | 10936W                              | 31.6         | 208.5        | GGGG                  |                     |                      | 81                      | 1                      |
| 2501-21015        | 00000/0000                   | 2-20024/1015                | 06/06/76         | 40             | 6988            | 7926N                              | 11653W                              | 32.7         | 200.9        | GGGG                  |                     |                      | 81                      | 2                      |
| 2501-21021        | 00000/0000                   | 2-20024/1016                | 06/06/76         | 70             | 6988            | 7836N                              | 12313W                              | 33.9         | 194.3        | GGGG                  |                     |                      | 81                      | 3                      |
| 2501-21024        | 00000/0000                   | 2-20024/1017                | 06/06/76         | 10             | 6988            | 7739N                              | 12838W                              | 35.0         | 188.5        | GGGG                  |                     |                      | 81                      | 4                      |
| 2501-21030        | 00000/0000                   | 2-20024/1018                | 06/06/76         | 60             | 6988            | 7637N                              | 13317W                              | 36.1         | 183.4        | GGGG                  |                     |                      | 81                      | 5                      |
| 2501-21033        | 00000/0000                   | 2-20024/1019                | 06/06/76         | 40             | 6988            | 7530N                              | 13717W                              | 37.3         | 179.0        | GGGG                  |                     |                      | 81                      | 6                      |
| 2501-21035        | 00000/0000                   | 2-20024/1020                | 06/06/76         | 70             | 6988            | 7419N                              | 14042W                              | 38.4         | 175.1        | GGGG                  |                     |                      | 81                      | 7                      |
| 2501-21042        | 00000/0000                   | 2-20024/1021                | 06/06/76         | 10             | 6988            | 7307N                              | 14340W                              | 39.5         | 171.6        | GGGG                  |                     |                      | 81                      | 8                      |
| 2501-21044        | 00000/0000                   | 2-20024/1022                | 06/06/76         | 10             | 6988            | 7153N                              | 14616W                              | 40.6         | 168.4        | GGGG                  |                     |                      | 81                      | 9                      |
| 2501-23155        | 00000/0000                   | 2-20024/1164                | 06/06/76         | 0              | 6989            | 2255S                              | 14827E                              | 28.6         | 44.9         | GGGF                  |                     |                      | 99                      | 76                     |
| 2501-23162        | 00000/0000                   | 2-20024/1165                | 06/06/76         | 0              | 6989            | 2422S                              | 14804E                              | 27.4         | 44.5         | GGGG                  |                     |                      | 99                      | 77                     |
| 2501-23194        | 00000/0000                   | 2-20024/1166                | 06/06/76         | 10             | 6989            | 3546S                              | 14451E                              | 17.7         | 43.1         | GGGF                  |                     |                      | 99                      | 85                     |
| 2501-23200        | 00000/0000                   | 2-20024/1167                | 06/06/76         | 20             | 6989            | 3711S                              | 14424E                              | 16.4         | 43.1         | GGGG                  |                     |                      | 99                      | 86                     |
| 2502-01014        | 00000/0000                   | 2-20024/1168                | 06/07/76         | 80             | 6990            | 3130S                              | 12018E                              | 21.3         | 43.4         | GGGG                  |                     |                      | 117                     | 82                     |
| 2502-01020        | 00000/0000                   | 2-20024/1169                | 06/07/76         | 70             | 6990            | 3255S                              | 11953E                              | 20.1         | 43.3         | GGGG                  |                     |                      | 117                     | 83                     |
| 2502-01023        | 00000/0000                   | 2-20024/1170                | 06/07/76         | 70             | 6990            | 3421S                              | 11927E                              | 18.9         | 43.2         | GGGG                  |                     |                      | 117                     | 84                     |
| 2502-02211        | 00000/0000                   | 2-20027/0206                | 06/07/76         | 60             | 6991            | 5008N                              | 11648E                              | 55.2         | 131.8        | GGGG                  |                     |                      | 135                     | 25                     |
| 2502-02213        | 00000/0000                   | 2-20027/0207                | 06/07/76         | 90             | 6991            | 4844N                              | 11610E                              | 55.9         | 129.5        | GGGG                  |                     |                      | 135                     | 26                     |
| 2502-02234        | 00000/0000                   | 2-20027/0208                | 06/07/76         | 90             | 6991            | 4138N                              | 11322E                              | 58.4         | 117.3        | GGGG                  |                     |                      | 135                     | 31                     |
| 2502-02240        | 00000/0000                   | 2-20027/0209                | 06/07/76         | 20             | 6991            | 4013N                              | 11253E                              | 58.8         | 114.7        | GGGG                  |                     |                      | 135                     | 32                     |
| 2502-02243        | 00000/0000                   | 2-20027/0210                | 06/07/76         | 10             | 6991            | 3849N                              | 11224E                              | 59.1         | 112.1        | GGGG                  |                     |                      | 135                     | 33                     |
| 2502-02245        | 00000/0000                   | 2-20027/0211                | 06/07/76         | 80             | 6991            | 3724N                              | 11156E                              | 59.3         | 109.5        | GGGG                  |                     |                      | 135                     | 34                     |
| 2502-02252        | 00000/0000                   | 2-20027/0212                | 06/07/76         | 90             | 6991            | 3558N                              | 11129E                              | 59.5         | 106.8        | GGGG                  |                     |                      | 135                     | 35                     |
| 2502-02254        | 00000/0000                   | 2-20027/0213                | 06/07/76         | 90             | 6991            | 3432N                              | 11103E                              | 59.6         | 104.2        | GGGG                  |                     |                      | 135                     | 36                     |
| 2502-02261        | 00000/0000                   | 2-20027/0214                | 06/07/76         | 90             | 6991            | 3306N                              | 11036E                              | 59.6         | 101.5        | GGGG                  |                     |                      | 135                     | 37                     |
| 2502-04015        | 00000/0000                   | 2-20024/0907                | 06/07/76         | 40             | 6992            | 5832N                              | 09538E                              | 50.5         | 144.8        | GGGG                  |                     |                      | 153                     | 19                     |
| 2502-04022        | 00000/0000                   | 2-20024/0908                | 06/07/76         | 10             | 6992            | 5709N                              | 09444E                              | 51.4         | 142.7        | GGGF                  |                     |                      | 153                     | 20                     |
| 2502-04024        | 00000/0000                   | 2-20024/0909                | 06/07/76         | 10             | 6992            | 5545N                              | 09353E                              | 52.2         | 140.5        | GGGG                  |                     |                      | 153                     | 21                     |
| 2502-04031        | 00000/0000                   | 2-20024/0910                | 06/07/76         | 10             | 6992            | 5421N                              | 09305E                              | 53.0         | 138.4        | GGGG                  |                     |                      | 153                     | 22                     |
| 2502-04033        | 00000/0000                   | 2-20024/0911                | 06/07/76         | 10             | 6992            | 5257N                              | 09221E                              | 53.8         | 136.2        | GGGG                  |                     |                      | 153                     | 23                     |
| 2502-04040        | 00000/0000                   | 2-20024/0912                | 06/07/76         | 10             | 6992            | 5133N                              | 09139E                              | 54.5         | 134.0        | GGGG                  |                     |                      | 153                     | 24                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ORBIT<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2502-04060        | 00000/0000                   | 2-20026/0913                 | 06/07/76         | 70             | 6992            | 4429N                              | 08A35E                              | 57.6         | 122.3        |                                    |                     |                      |                         |                        |
| 2502-04063        | 00000/0000                   | 2-20026/0914                 | 06/07/76         | 50             | 6992            | 4304N                              | 08A03E                              | 58.0         | 119.8        | GGGG                               |                     |                      | 153                     | 29                     |
| 2502-05451        | 00000/0000                   | 2-20026/0940                 | 06/07/76         | 50             | 6993            | 5832N                              | 06948E                              | 50.5         | 144.8        | GGGG                               |                     |                      | 153                     | 30                     |
| 2502-05453        | 00000/0000                   | 2-20026/0941                 | 06/07/76         | 10             | 6993            | 5708N                              | 06A53E                              | 51.4         | 142.6        | GGGG                               |                     |                      | 171                     | 19                     |
| 2502-05460        | 00000/0000                   | 2-20026/0942                 | 06/07/76         | 10             | 6993            | 5545N                              | 06A03E                              | 52.2         | 140.5        | GGGG                               |                     |                      | 171                     | 20                     |
| 2502-05462        | 00000/0000                   | 2-20026/0943                 | 06/07/76         | 10             | 6993            | 5421N                              | 06716E                              | 53.0         | 138.4        | GGGG                               |                     |                      | 171                     | 21                     |
| 2502-05465        | 00000/0000                   | 2-20026/0944                 | 06/07/76         | 10             | 6993            | 5257N                              | 06631E                              | 53.8         | 136.2        | GGGG                               |                     |                      | 171                     | 22                     |
| 2502-05471        | 00000/0000                   | 2-20026/0945                 | 06/07/76         | 10             | 6993            | 5133N                              | 06549E                              | 54.5         | 134.0        | GGGG                               |                     |                      | 171                     | 23                     |
| 2502-05474        | 00000/0000                   | 2-20026/0946                 | 06/07/76         | 10             | 6993            | 5008N                              | 06508E                              | 55.2         | 131.7        | GGGG                               |                     |                      | 171                     | 24                     |
| 2502-05501        | 00000/0000                   | 2-20026/0947                 | 06/07/76         | 0              | 6993            | 4139N                              | 06142E                              | 58.4         | 117.2        | FFFF                               |                     |                      | 171                     | 25                     |
| 2502-05503        | 00000/0000                   | 2-20026/0948                 | 06/07/76         | 10             | 6993            | 4013N                              | 06113E                              | 58.8         | 114.7        | FGGF                               |                     |                      | 171                     | 31                     |
| 2502-05510        | 00000/0000                   | 2-20026/0949                 | 06/07/76         | 10             | 6993            | 3848N                              | 06044E                              | 59.1         | 112.1        | FGGF                               |                     |                      | 171                     | 32                     |
| 2502-05512        | 00000/0000                   | 2-20026/0950                 | 06/07/76         | 10             | 6993            | 3723N                              | 06015E                              | 59.3         | 109.4        | GGGG                               |                     |                      | 171                     | 33                     |
| 2502-05515        | 00000/0000                   | 2-20026/0951                 | 06/07/76         | 10             | 6993            | 3557N                              | 05948E                              | 59.5         | 106.8        | GGGG                               |                     |                      | 171                     | 34                     |
| 2502-05521        | 00000/0000                   | 2-20026/0952                 | 06/07/76         | 10             | 6993            | 3431N                              | 05921E                              | 59.6         | 104.1        | GGGG                               |                     |                      | 171                     | 35                     |
| 2502-05524        | 00000/0000                   | 2-20026/0953                 | 06/07/76         | 20             | 6993            | 3304N                              | 05A56E                              | 59.6         | 101.4        | GGGG                               |                     |                      | 171                     | 36                     |
| 2502-05530        | 00000/0000                   | 2-20026/0954                 | 06/07/76         | 40             | 6993            | 3139N                              | 05A31E                              | 59.6         | 98.8         | GGGG                               |                     |                      | 171                     | 37                     |
| 2502-05533        | 00000/0000                   | 2-20026/0955                 | 06/07/76         | 40             | 6993            | 3014N                              | 05A07E                              | 59.6         | 96.2         | GGGG                               |                     |                      | 171                     | 38                     |
| 2502-05535        | 00000/0000                   | 2-20026/0956                 | 06/07/76         | 10             | 6993            | 2847N                              | 05743E                              | 59.4         | 93.5         | GGGG                               |                     |                      | 171                     | 39                     |
| 2502-05542        | 00000/0000                   | 2-20026/0957                 | 06/07/76         | 0              | 6993            | 2721N                              | 05719E                              | 59.2         | 91.0         | GGGG                               |                     |                      | 171                     | 40                     |
| 2502-07271        | 00000/0000                   | 2-20026/0958                 | 06/07/76         | 80             | 6994            | 6240N                              | 04708E                              | 47.8         | 151.1        | GGGG                               |                     |                      | 189                     | 41                     |
| 2502-07274        | 00000/0000                   | 2-20026/0959                 | 06/07/76         | 40             | 6994            | 6118N                              | 04600E                              | 48.7         | 149.0        | GGGG                               |                     |                      | 189                     | 16                     |
| 2502-07280        | 00000/0000                   | 2-20026/0960                 | 06/07/76         | 70             | 6994            | 5955N                              | 04458E                              | 49.6         | 146.9        | GGGG                               |                     |                      | 189                     | 17                     |
| 2502-07283        | 00000/0000                   | 2-20026/0918                 | 06/07/76         | 70             | 6994            | 5832N                              | 04400E                              | 50.5         | 144.7        | GGGG                               |                     |                      | 189                     | 18                     |
| 2502-07285        | 00000/0000                   | 2-20026/0919                 | 06/07/76         | 60             | 6994            | 5709N                              | 04307E                              | 51.4         | 142.6        | GGGG                               |                     |                      | 189                     | 19                     |
| 2502-07292        | 00000/0000                   | 2-20026/0920                 | 06/07/76         | 60             | 6994            | 5545N                              | 04217E                              | 52.2         | 140.5        | GGGG                               |                     |                      | 189                     | 20                     |
| 2502-07294        | 00000/0000                   | 2-20026/0921                 | 06/07/76         | 50             | 6994            | 5421N                              | 04129E                              | 53.0         | 138.4        | GGGG                               |                     |                      | 189                     | 21                     |
| 2502-07301        | 00000/0000                   | 2-20026/0922                 | 06/07/76         | 40             | 6994            | 5257N                              | 04044E                              | 53.8         | 136.2        | GGGG                               |                     |                      | 189                     | 22                     |
| 2502-07303        | 00000/0000                   | 2-20026/0923                 | 06/07/76         | 70             | 6994            | 5133N                              | 04001E                              | 54.5         | 134.0        | GGGG                               |                     |                      | 189                     | 23                     |
| 2502-07310        | 00000/0000                   | 2-20026/0924                 | 06/07/76         | 70             | 6994            | 5008N                              | 03921E                              | 55.2         | 131.7        | GGGG                               |                     |                      | 189                     | 24                     |
| 2502-07312        | 00000/0000                   | 2-20026/0925                 | 06/07/76         | 80             | 6994            | 4844N                              | 03A43E                              | 55.9         | 129.4        | GGGG                               |                     |                      | 189                     | 25                     |
| 2502-07315        | 00000/0000                   | 2-20026/0926                 | 06/07/76         | 60             | 6994            | 4719N                              | 03A06E                              | 56.5         | 127.1        | GGGG                               |                     |                      | 189                     | 26                     |
| 2502-07321        | 00000/0000                   | 2-20026/0927                 | 06/07/76         | 30             | 6994            | 4544N                              | 03731E                              | 57.0         | 124.7        | GGGG                               |                     |                      | 189                     | 27                     |
| 2502-07324        | 00000/0000                   | 2-20026/0928                 | 06/07/76         | 10             | 6994            | 4429N                              | 03A58E                              | 57.6         | 122.2        | GGGG                               |                     |                      | 189                     | 28                     |
| 2502-10482        | 00000/0000                   | 2-20026/0929                 | 06/07/76         | 10             | 6996            | 7835N                              | 03025E                              | 33.9         | 194.3        | GGGG                               |                     |                      | 225                     | 29                     |
| 2502-10484        | 00000/0000                   | 2-20026/0930                 | 06/07/76         | 10             | 6996            | 7738N                              | 02459E                              | 35.1         | 188.5        | GGGG                               |                     |                      | 225                     | 3                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... 9=BLANKS=BAD, NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NPN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2502-10491        | 00000/0000                   | 2-20026/0931                | 06/07/76         | 20             | 6996                   | 7636N                        | 02020E        | 36.2         | 183.4        | GGGG                               |                     |                      | 225                     | 5                      |
| 2502-10493        | 00000/0000                   | 2-20026/0932                | 06/07/76         | 60             | 6996                   | 7530N                        | 01620E        | 37.3         | 179.0        | GGGG                               |                     |                      | 225                     | 6                      |
| 2502-13034        | 00000/0000                   | 2-20026/0933                | 06/07/76         | 40             | 6997                   | 2841S                        | 05935W        | 23.7         | 43.7         | FFFF                               |                     |                      | 243                     | 80                     |
| 2502-13040        | 00000/0000                   | 2-20026/0934                | 06/07/76         | 40             | 6997                   | 3007S                        | 02959W        | 22.5         | 43.5         | GGGG                               |                     |                      | 243                     | 81                     |
| 2502-13043        | 00000/0000                   | 2-20026/0935                | 06/07/76         | 90             | 6997                   | 3132S                        | 06025W        | 21.2         | 43.4         | GGGG                               |                     |                      | 243                     | 82                     |
| 2502-13045        | 00000/0000                   | 2-20026/0936                | 06/07/76         | 90             | 6997                   | 3258S                        | 06050W        | 20.0         | 43.3         | FFFF                               |                     |                      | 243                     | 83                     |
| 2502-13052        | 00000/0000                   | 2-20026/0937                | 06/07/76         | 90             | 6997                   | 3423S                        | 06116W        | 18.8         | 43.2         | GGGG                               |                     |                      | 243                     | 84                     |
| 2502-14140        | 00000/0000                   | 2-20026/0938                | 06/07/76         | 10             | 6998                   | 8007N                        | 00745W        | 31.6         | 208.4        | GGGG                               |                     |                      | 10                      | 1                      |
| 2502-14142        | 00000/0000                   | 2-20026/0939                | 06/07/76         | 30             | 6998                   | 7926N                        | 01500W        | 32.8         | 200.9        | GGGG                               |                     |                      | 10                      | 2                      |
| 2502-14240        | 00000/0000                   | 2-20026/0944                | 06/07/76         | 10             | 6998                   | 5006N                        | 06355W        | 55.2         | 131.6        | GGGG                               |                     |                      | 10                      | 25                     |
| 2502-14242        | 00000/0000                   | 2-20026/0965                | 06/07/76         | 10             | 6998                   | 4842N                        | 06433W        | 55.9         | 129.3        | GGGG                               |                     |                      | 10                      | 26                     |
| 2502-14263        | 00000/0000                   | 2-20026/0966                | 06/07/76         | 10             | 6998                   | 4137N                        | 06720W        | 58.4         | 117.1        | FGGF                               |                     |                      | 10                      | 31                     |
| 2502-14265        | 00000/0000                   | 2-20026/0967                | 06/07/76         | 10             | 6998                   | 4012N                        | 06750W        | 58.8         | 114.5        | FGGF                               |                     |                      | 10                      | 32                     |
| 2502-14272        | 00000/0000                   | 2-20026/0968                | 06/07/76         | 60             | 6998                   | 3847N                        | 06819W        | 59.1         | 111.9        | FFGG                               |                     |                      | 10                      | 33                     |
| 2502-16065        | 00000/0000                   | 2-20026/0969                | 06/07/76         | 90             | 6999                   | 5132N                        | 08906W        | 54.6         | 133.9        | GGGF                               |                     |                      | 28                      | 24                     |
| 2502-16072        | 00000/0000                   | 2-20026/0970                | 06/07/76         | 90             | 6999                   | 5007N                        | 08946W        | 55.3         | 131.6        | GGGG                               |                     |                      | 28                      | 25                     |
| 2502-17492        | 00000/0000                   | 2-20026/0994                | 06/07/76         | 80             | 7000                   | 5420N                        | 11323W        | 53.1         | 138.3        | GGGG                               |                     |                      | 46                      | 22                     |
| 2502-17494        | 00000/0000                   | 2-20026/0995                | 06/07/76         | 90             | 7000                   | 5256N                        | 11408W        | 53.8         | 136.1        | GGGG                               |                     |                      | 46                      | 23                     |
| 2502-17501        | 00000/0000                   | 2-20026/0996                | 06/07/76         | 50             | 7000                   | 5132N                        | 11450W        | 54.6         | 133.9        | GGGG                               |                     |                      | 46                      | 24                     |
| 2502-21070        | 00000/0000                   | 2-20026/1475                | 06/07/76         | 10             | 7002                   | 8008N                        | 11110W        | 31.7         | 208.4        | GGGG                               |                     |                      | 82                      | 1                      |
| 2502-21073        | 00000/0000                   | 2-20026/1476                | 06/07/76         | 20             | 7002                   | 7925N                        | 11825W        | 32.8         | 200.8        | GGGG                               |                     |                      | 82                      | 2                      |
| 2502-21075        | 00000/0000                   | 2-20026/1477                | 06/07/76         | 50             | 7002                   | 7835N                        | 12442W        | 34.0         | 194.2        | GGGG                               |                     |                      | 82                      | 3                      |
| 2502-21082        | 00000/0000                   | 2-20026/1478                | 06/07/76         | 70             | 7002                   | 7738N                        | 13007W        | 35.1         | 188.4        | GGGG                               |                     |                      | 82                      | 4                      |
| 2502-21084        | 00000/0000                   | 2-20026/1479                | 06/07/76         | 70             | 7002                   | 7636N                        | 13445W        | 36.3         | 183.3        | GGGG                               |                     |                      | 82                      | 5                      |
| 2502-21091        | 00000/0000                   | 2-20026/1480                | 06/07/76         | 30             | 7002                   | 7529N                        | 13843W        | 37.4         | 178.9        | GGGG                               |                     |                      | 82                      | 6                      |
| 2502-21093        | 00000/0000                   | 2-20026/1481                | 06/07/76         | 10             | 7002                   | 7419N                        | 14209W        | 38.5         | 175.0        | GGGG                               |                     |                      | 82                      | 7                      |
| 2502-21100        | 00000/0000                   | 2-20026/1482                | 06/07/76         | 40             | 7002                   | 7307N                        | 14507W        | 39.6         | 171.4        | GGGG                               |                     |                      | 82                      | 8                      |
| 2502-21102        | 00000/0000                   | 2-20026/1483                | 06/07/76         | 10             | 7002                   | 7152N                        | 14743W        | 40.7         | 168.3        | GGGG                               |                     |                      | 82                      | 9                      |
| 2502-23245        | 00000/0000                   | 2-20026/0733                | 06/07/76         | 80             | 7003                   | 3421S                        | 14349E        | 18.8         | 43.2         | G                                  |                     |                      | 100                     | 84                     |
| 2502-23252        | 00000/0000                   | 2-20026/0734                | 06/07/76         | 50             | 7003                   | 3546S                        | 14323E        | 17.6         | 43.1         | GGGG                               |                     |                      | 100                     | 85                     |
| 2502-23254        | 00000/0000                   | 2-20026/0735                | 06/07/76         | 70             | 7003                   | 3711S                        | 14257E        | 16.3         | 43.1         | GGGG                               |                     |                      | 100                     | 86                     |
| 2503-01072        | 00000/0000                   | 2-20026/0736                | 06/08/76         | 10             | 7004                   | 3131S                        | 11852E        | 21.2         | 43.4         | GGGG                               |                     |                      | 118                     | 82                     |
| 2503-01074        | 00000/0000                   | 2-20026/0737                | 06/08/76         | 70             | 7004                   | 3256S                        | 11826E        | 20.0         | 43.3         | GGFG                               |                     |                      | 118                     | 83                     |
| 2503-01081        | 00000/0000                   | 2-20026/0738                | 06/08/76         | 50             | 7004                   | 3422S                        | 11801E        | 18.8         | 43.2         | GGGG                               |                     |                      | 118                     | 84                     |
| 2503-02263        | 00000/0000                   | 2-20026/0739                | 06/08/76         | 10             | 7005                   | 5133N                        | 11601E        | 54.6         | 133.8        | GGGG                               |                     |                      | 136                     | 24                     |
| 2503-02265        | 00000/0000                   | 2-20026/0740                | 06/08/76         | 10             | 7005                   | 5009N                        | 11521E        | 55.3         | 131.6        | GGG                                |                     |                      | 136                     | 25                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NPN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO.<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2503-02292        | 00000/0000                   | 2-20026/0741               | 06/08/76         | 90             | 7005            | 4139N                              | 11159E                              | 58.5         | 117.1        | FGGG                               |                     |                      | 136                     | 31                     |
| 2503-02295        | 00000/0000                   | 2-20026/0742               | 06/08/76         | 80             | 7005            | 4014N                              | 11129E                              | 58.8         | 114.5        | FGGG                               |                     |                      | 136                     | 32                     |
| 2503-02301        | 00000/0000                   | 2-20026/0743               | 06/08/76         | 30             | 7005            | 3848N                              | 11100E                              | 59.1         | 111.9        | FGGG                               |                     |                      | 136                     | 33                     |
| 2503-02304        | 00000/0000                   | 2-20026/0744               | 06/08/76         | 10             | 7005            | 3723N                              | 11032E                              | 59.3         | 109.2        | GGGG                               |                     |                      | 136                     | 34                     |
| 2503-02310        | 00000/0000                   | 2-20026/0745               | 06/08/76         | 10             | 7005            | 3557N                              | 11004E                              | 59.5         | 106.6        | GFFG                               |                     |                      | 136                     | 35                     |
| 2503-02313        | 00000/0000                   | 2-20026/0746               | 06/08/76         | 10             | 7005            | 3431N                              | 10937E                              | 59.6         | 103.9        | GGGG                               |                     |                      | 136                     | 36                     |
| 2503-04062        | 00000/0000                   | 2-20026/0961               | 06/08/76         | 70             | 7006            | 6238N                              | 09715E                              | 47.8         | 151.0        | GGGG                               |                     |                      | 154                     | 16                     |
| 2503-04080        | 00000/0000                   | 2-20026/0962               | 06/08/76         | 50             | 7006            | 5707N                              | 09314E                              | 51.4         | 142.5        | GGGG                               |                     |                      | 154                     | 20                     |
| 2503-04094        | 00000/0000                   | 2-20026/0747               | 06/08/76         | 20             | 7006            | 5132N                              | 09010E                              | 54.6         | 133.8        | GGGG                               |                     |                      | 154                     | 24                     |
| 2503-04101        | 00000/0000                   | 2-20026/0748               | 06/08/76         | 70             | 7006            | 5008N                              | 08930E                              | 55.3         | 131.6        | GGGG                               |                     |                      | 154                     | 25                     |
| 2503-04115        | 00000/0000                   | 2-20026/0749               | 06/08/76         | 50             | 7006            | 4428N                              | 08708E                              | 57.6         | 122.1        | GGGG                               |                     |                      | 154                     | 29                     |
| 2503-04121        | 00000/0000                   | 2-20026/0750               | 06/08/76         | 10             | 7006            | 4303N                              | 08636E                              | 58.0         | 119.6        | GGGG                               |                     |                      | 154                     | 30                     |
| 2503-05503        | 00000/0000                   | 2-20026/0992               | 06/08/76         | 60             | 7007            | 5954N                              | 06920E                              | 49.7         | 146.7        | GGGG                               |                     |                      | 172                     | 18                     |
| 2503-05505        | 00000/0000                   | 2-20026/1027               | 06/08/76         | 30             | 7007            | 5831N                              | 06823E                              | 50.6         | 144.6        | GGGG                               |                     |                      | 172                     | 19                     |
| 2503-05512        | 00000/0000                   | 2-20026/1028               | 06/08/76         | 70             | 7007            | 5708N                              | 06729E                              | 51.5         | 142.5        | GGGG                               |                     |                      | 172                     | 20                     |
| 2503-05514        | 00000/0000                   | 2-20026/1029               | 06/08/76         | 40             | 7007            | 5544N                              | 06638E                              | 52.3         | 140.4        | GGGF                               |                     |                      | 172                     | 21                     |
| 2503-05521        | 00000/0000                   | 2-20026/1030               | 06/08/76         | 50             | 7007            | 5420N                              | 06551E                              | 53.1         | 138.2        | GGGG                               |                     |                      | 172                     | 22                     |
| 2503-05523        | 00000/0000                   | 2-20026/1031               | 06/08/76         | 80             | 7007            | 5256N                              | 06506E                              | 53.9         | 136.0        | FGGG                               |                     |                      | 172                     | 23                     |
| 2503-05530        | 00000/0000                   | 2-20026/1032               | 06/08/76         | 70             | 7007            | 5132N                              | 06424E                              | 54.6         | 133.8        | GGGG                               |                     |                      | 172                     | 24                     |
| 2503-05532        | 00000/0000                   | 2-20026/1033               | 06/08/76         | 70             | 7007            | 5008N                              | 06344E                              | 55.3         | 131.6        | GGGG                               |                     |                      | 172                     | 25                     |
| 2503-05553        | 00000/0000                   | 2-20026/1034               | 06/08/76         | 60             | 7007            | 4303N                              | 06048E                              | 58.1         | 119.6        | GGGG                               |                     |                      | 172                     | 30                     |
| 2503-05555        | 00000/0000                   | 2-20026/1035               | 06/08/76         | 90             | 7007            | 4138N                              | 06017E                              | 58.5         | 117.0        | GGGG                               |                     |                      | 172                     | 31                     |
| 2503-05562        | 00000/0000                   | 2-20026/1036               | 06/08/76         | 70             | 7007            | 4013N                              | 05948E                              | 58.8         | 114.4        | FGGF                               |                     |                      | 172                     | 32                     |
| 2503-05564        | 00000/0000                   | 2-20026/1037               | 06/08/76         | 20             | 7007            | 3847N                              | 05918E                              | 59.1         | 111.8        | GGGG                               |                     |                      | 172                     | 33                     |
| 2503-05571        | 00000/0000                   | 2-20026/1038               | 06/08/76         | 30             | 7007            | 3721N                              | 05850E                              | 59.3         | 109.2        | FGGG                               |                     |                      | 172                     | 34                     |
| 2503-05573        | 00000/0000                   | 2-20026/1039               | 06/08/76         | 20             | 7007            | 3555N                              | 05823E                              | 59.5         | 106.5        | GGFG                               |                     |                      | 172                     | 35                     |
| 2503-05580        | 00000/0000                   | 2-20026/1040               | 06/08/76         | 10             | 7007            | 3430N                              | 05757E                              | 59.6         | 103.9        | FGGG                               |                     |                      | 172                     | 36                     |
| 2503-05582        | 00000/0000                   | 2-20026/1041               | 06/08/76         | 10             | 7007            | 3305N                              | 05731E                              | 59.6         | 101.2        | GGGG                               |                     |                      | 172                     | 37                     |
| 2503-05585        | 00000/0000                   | 2-20026/1042               | 06/08/76         | 10             | 7007            | 3139N                              | 05706E                              | 59.6         | 98.6         | GGGG                               |                     |                      | 172                     | 38                     |
| 2503-05591        | 00000/0000                   | 2-20026/1043               | 06/08/76         | 10             | 7007            | 3013N                              | 05641E                              | 59.5         | 95.9         | GGGF                               |                     |                      | 172                     | 39                     |
| 2503-05594        | 00000/0000                   | 2-20026/1044               | 06/08/76         | 10             | 7007            | 2847N                              | 05617E                              | 59.4         | 93.3         | GGGG                               |                     |                      | 172                     | 40                     |
| 2503-06000        | 00000/0000                   | 2-20026/1045               | 06/08/76         | 0              | 7007            | 2721N                              | 05554E                              | 59.2         | 90.8         | GGGG                               |                     |                      | 172                     | 41                     |
| 2503-06003        | 00000/0000                   | 2-20026/1046               | 06/08/76         | 0              | 7007            | 2556N                              | 05531E                              | 58.9         | 88.2         | FGGG                               |                     |                      | 172                     | 42                     |
| 2503-07325        | 00000/0000                   | 2-20026/0993               | 06/08/76         | 90             | 7008            | 6238N                              | 04541E                              | 47.9         | 151.0        | GGGG                               |                     |                      | 190                     | 16                     |
| 2503-07332        | 00000/0000                   | 2-20026/0994               | 06/08/76         | 80             | 7008            | 6117N                              | 04434E                              | 48.8         | 148.8        | GGGF                               |                     |                      | 190                     | 17                     |
| 2503-07334        | 00000/0000                   | 2-20026/0995               | 06/08/76         | 50             | 7008            | 5954N                              | 04331E                              | 49.7         | 146.7        | GGGG                               |                     |                      | 190                     | 18                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE. GOOD, POOR, FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, HIGH GAIN

02144 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2503-07341        | 00000/0000                                     | 2-20026/0996     | 06/08/76       | 80              | 7008                               | 5831N                               | 04233E       | 50.6         | 144.6                 | GGGG                |                      | 190                     | 19                     |
| 2503-07343        | 00000/0000                                     | 2-20026/0997     | 06/08/76       | 90              | 7008                               | 5707N                               | 04139E       | 51.5         | 142.5                 | GGGG                |                      | 190                     | 20                     |
| 2503-07350        | 00000/0000                                     | 2-20026/0998     | 06/08/76       | 80              | 7008                               | 5544N                               | 04048E       | 52.3         | 140.4                 | GGGG                |                      | 190                     | 21                     |
| 2503-07352        | 00000/0000                                     | 2-20026/0999     | 06/08/76       | 90              | 7008                               | 5420N                               | 04000E       | 53.1         | 138.2                 | FGGG                |                      | 190                     | 22                     |
| 2503-07355        | 00000/0000                                     | 2-20026/1000     | 06/08/76       | 80              | 7008                               | 5256N                               | 03915E       | 53.9         | 136.0                 | FGGG                |                      | 190                     | 23                     |
| 2503-07361        | 00000/0000                                     | 2-20026/1001     | 06/08/76       | 90              | 7008                               | 5132N                               | 03833E       | 54.6         | 133.8                 | GGGG                |                      | 190                     | 24                     |
| 2503-07364        | 00000/0000                                     | 2-20026/1002     | 06/08/76       | 20              | 7008                               | 5007N                               | 03753E       | 55.3         | 131.5                 | GGFG                |                      | 190                     | 25                     |
| 2503-07370        | 00000/0000                                     | 2-20026/1003     | 06/08/76       | 10              | 7008                               | 4843N                               | 03715E       | 55.9         | 129.2                 | GGGF                |                      | 190                     | 26                     |
| 2503-07373        | 00000/0000                                     | 2-20026/1004     | 06/08/76       | 10              | 7008                               | 4718N                               | 03639E       | 56.5         | 126.9                 | GGGG                |                      | 190                     | 27                     |
| 2503-07375        | 00000/0000                                     | 2-20026/1005     | 06/08/76       | 10              | 7008                               | 4553N                               | 03604E       | 57.1         | 124.5                 | GGGF                |                      | 190                     | 28                     |
| 2503-07382        | 00000/0000                                     | 2-20026/1006     | 06/08/76       | 20              | 7008                               | 4428N                               | 03530E       | 57.6         | 122.0                 | GGGG                |                      | 190                     | 29                     |
| 2503-09195        | 00000/0000                                     | 2-20026/1007     | 06/08/76       | 10              | 7009                               | 5006N                               | 01203E       | 55.3         | 131.5                 | GGGG                |                      | 208                     | 25                     |
| 2503-09202        | 00000/0000                                     | 2-20026/1008     | 06/08/76       | 10              | 7009                               | 4842N                               | 01125E       | 55.9         | 129.2                 | GGGG                |                      | 208                     | 26                     |
| 2503-09204        | 00000/0000                                     | 2-20026/1009     | 06/08/76       | 10              | 7009                               | 4717N                               | 01049E       | 56.5         | 126.9                 | GGGG                |                      | 208                     | 27                     |
| 2503-09211        | 00000/0000                                     | 2-20026/1010     | 06/08/76       | 10              | 7009                               | 4551N                               | 01014E       | 57.1         | 124.5                 | GGGG                |                      | 208                     | 28                     |
| 2503-09295        | 00000/0000                                     | 2-20026/1011     | 06/08/76       | 10              | 7009                               | 1551N                               | 00118E       | 55.5         | 72.5                  | GGGG                |                      | 208                     | 49                     |
| 2503-09302        | 00000/0000                                     | 2-20026/1012     | 06/08/76       | 10              | 7009                               | 1425N                               | 00057E       | 54.8         | 70.6                  | GGGG                |                      | 208                     | 50                     |
| 2503-09304        | 00000/0000                                     | 2-20026/0971     | 06/08/76       | 40              | 7009                               | 1249N                               | 00037E       | 54.1         | 68.8                  | FGGG                |                      | 208                     | 51                     |
| 2503-10540        | 00000/0000                                     | 2-20026/0972     | 06/08/76       | 90              | 7009                               | 1132N                               | 00016E       | 53.4         | 67.0                  | FGGG                |                      | 208                     | 52                     |
| 2503-10543        | 00000/0000                                     | 2-20026/0973     | 06/08/76       | 10              | 7010                               | 7835N                               | 02849E       | 34.0         | 194.2                 | GGGG                |                      | 244                     | 3                      |
| 2503-10545        | 00000/0000                                     | 2-20026/0974     | 06/08/76       | 10              | 7010                               | 7738N                               | 02325E       | 35.2         | 188.4                 | FGGG                |                      | 244                     | 4                      |
| 2503-10552        | 00000/0000                                     | 2-20026/0975     | 06/08/76       | 10              | 7010                               | 7636N                               | 01845E       | 36.3         | 183.3                 | GGGG                |                      | 244                     | 5                      |
| 2503-12363        | 00000/0000                                     | 2-20026/0976     | 06/08/76       | 40              | 7010                               | 7529N                               | 01447E       | 37.4         | 178.9                 | GGGG                |                      | 244                     | 6                      |
| 2503-12365        | 00000/0000                                     | 2-20026/0977     | 06/08/76       | 30              | 7011                               | 8007N                               | 01636E       | 31.7         | 208.3                 | GGGG                |                      | 244                     | 1                      |
| 2503-12372        | 00000/0000                                     | 2-20026/0978     | 06/08/76       | 60              | 7011                               | 7925N                               | 00922E       | 32.9         | 200.8                 | GGGG                |                      | 244                     | 2                      |
| 2503-12374        | 00000/0000                                     | 2-20026/0979     | 06/08/76       | 80              | 7011                               | 7835N                               | 00304E       | 34.0         | 194.1                 | GGGG                |                      | 244                     | 3                      |
| 2503-12374        | 00000/0000                                     | 2-20026/0980     | 06/08/76       | 90              | 7011                               | 7737N                               | 00220W       | 35.2         | 188.3                 | GGGG                |                      | 244                     | 4                      |
| 2503-12381        | 00000/0000                                     | 2-20026/0981     | 06/08/76       | 90              | 7011                               | 7635N                               | 00658W       | 36.3         | 183.3                 | GGGG                |                      | 244                     | 5                      |
| 2503-13022        | 00000/0000                                     | 2-20026/0982     | 06/08/76       | 30              | 7011                               | 0418S                               | 05501W       | 43.1         | 52.8                  | GGGG                |                      | 244                     | 63                     |
| 2503-13092        | 00000/0000                                     | 2-20026/0983     | 06/08/76       | 90              | 7011                               | 2842S                               | 06102W       | 23.6         | 43.7                  | FFFF                |                      | 244                     | 80                     |
| 2503-13104        | 00000/0000                                     | 2-20026/0984     | 06/08/76       | 10              | 7011                               | 3248S                               | 06215W       | 19.9         | 43.2                  | GGGG                |                      | 244                     | 83                     |
| 2503-13110        | 00000/0000                                     | 2-20026/0985     | 06/08/76       | 90              | 7011                               | 3423S                               | 06241W       | 18.7         | 43.1                  | FGFF                |                      | 244                     | 84                     |
| 2503-13113        | 00000/0000                                     | 2-20026/0986     | 06/08/76       | 100             | 7011                               | 3548S                               | 06307W       | 17.5         | 43.1                  | FGGG                |                      | 244                     | 85                     |
| 2503-13115        | 00000/0000                                     | 2-20026/0987     | 06/08/76       | 100             | 7011                               | 3714S                               | 06335W       | 16.2         | 43.1                  | GGGG                |                      | 244                     | 86                     |
| 2503-14194        | 00000/0000                                     | 2-20026/0988     | 06/08/76       | 90              | 7012                               | 8007N                               | 00915W       | 31.7         | 208.3                 | GGGG                |                      | 11                      | 1                      |
| 2503-14201        | 00000/0000                                     | 2-20026/0989     | 06/08/76       | 80              | 7012                               | 7925N                               | 01629W       | 32.9         | 200.8                 | FGFG                |                      | 11                      | 2                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2503-1420         | 00000/0000 2-20026/0990                        | 06/08/76         | 20             | 7012                   | 7835N                              | 02248W                              | 34.0         | 194.1        | GGFG              |                     |                      | 11                      | 3                      |
| 2503-14292        | 00000/0000 2-20026/1278                        | 06/08/76         | 90             | 7012                   | 5130N                              | 06440W                              | 54.6         | 133.7        | GGGG              |                     |                      | 11                      | 24                     |
| 2503-14294        | 00000/0000 2-20026/1279                        | 06/08/76         | 50             | 7012                   | 5006N                              | 06520W                              | 55.3         | 131.5        | GGGG              |                     |                      | 11                      | 25                     |
| 2503-14301        | 00000/0000 2-20026/1280                        | 06/08/76         | 60             | 7012                   | 4842N                              | 06558W                              | 56.0         | 129.1        | GGGG              |                     |                      | 11                      | 26                     |
| 2503-14330        | 00000/0000 2-20026/1281                        | 06/08/76         | 20             | 7012                   | 3846N                              | 06944W                              | 59.1         | 111.7        | GGGG              |                     |                      | 11                      | 33                     |
| 2503-14333        | 00000/0000 2-20026/1282                        | 06/08/76         | 90             | 7012                   | 3721N                              | 07013W                              | 59.3         | 109.1        | GGGG              |                     |                      | 11                      | 34                     |
| 2503-14335        | 00000/0000 2-20026/1283                        | 06/08/76         | 90             | 7012                   | 3556N                              | 07041W                              | 59.5         | 106.4        | GGGG              |                     |                      | 11                      | 35                     |
| 2503-14342        | 00000/0000 2-20026/1284                        | 06/08/76         | 70             | 7012                   | 3430N                              | 07107W                              | 59.6         | 103.8        | GGGG              |                     |                      | 11                      | 36                     |
| 2503-16203        | 00000/0000 2-20026/1023                        | 06/08/76         | 40             | 7013                   | 2427N                              | 09946W                              | 58.6         | 85.7         | GGGG              |                     |                      | 29                      | 43                     |
| 2503-17550        | 00000/0000 2-20026/1024                        | 06/08/76         | 10             | 7014                   | 5418N                              | 11453W                              | 53.1         | 138.1        | GGGG              |                     |                      | 47                      | 22                     |
| 2503-17552        | 00000/0000 2-20026/1025                        | 06/08/76         | 20             | 7014                   | 5254N                              | 11538W                              | 53.9         | 135.9        | FGGG              |                     |                      | 47                      | 23                     |
| 2503-17555        | 00000/0000 2-20026/1026                        | 06/08/76         | 60             | 7014                   | 5130N                              | 11620W                              | 54.6         | 133.7        | FGGG              |                     |                      | 47                      | 24                     |
| 2503-21125        | 00000/0000 2-20026/1047                        | 06/08/76         | 50             | 7016                   | 8008N                              | 11217W                              | 31.7         | 208.5        | GGGG              |                     |                      | 83                      | 1                      |
| 2503-21131        | 00000/0000 2-20026/1048                        | 06/08/76         | 90             | 7016                   | 7927N                              | 11935W                              | 32.9         | 201.0        | GGGG              |                     |                      | 83                      | 2                      |
| 2503-21134        | 00000/0000 2-20026/1049                        | 06/08/76         | 90             | 7016                   | 7827N                              | 12556W                              | 34.0         | 194.3        | GGGG              |                     |                      | 83                      | 3                      |
| 2503-21140        | 00000/0000 2-20026/1050                        | 06/08/76         | 90             | 7016                   | 7740N                              | 13123W                              | 35.2         | 188.5        | GGGG              |                     |                      | 83                      | 4                      |
| 2503-21143        | 00000/0000 2-20026/1051                        | 06/08/76         | 10             | 7016                   | 7637N                              | 13602W                              | 36.3         | 183.4        | GGGG              |                     |                      | 83                      | 5                      |
| 2503-21145        | 00000/0000 2-20026/1052                        | 06/08/76         | 30             | 7016                   | 7531N                              | 14001W                              | 37.4         | 178.9        | GGGG              |                     |                      | 83                      | 6                      |
| 2503-21152        | 00000/0000 2-20026/1053                        | 06/08/76         | 60             | 7016                   | 7422N                              | 14328W                              | 38.5         | 175.0        | GGGG              |                     |                      | 83                      | 7                      |
| 2503-21154        | 00000/0000 2-20026/1054                        | 06/08/76         | 90             | 7016                   | 7309N                              | 14626W                              | 39.6         | 171.5        | GGGG              |                     |                      | 83                      | 8                      |
| 2503-21161        | 00000/0000 2-20026/1055                        | 06/08/76         | 80             | 7016                   | 7155N                              | 14901W                              | 40.7         | 168.3        | GGGG              |                     |                      | 83                      | 9                      |
| 2503-23304        | 00000/0000 2-20026/1091                        | 06/08/76         | 70             | 7017                   | 3422S                              | 14225E                              | 18.7         | 43.1         | GGGG              |                     |                      | 101                     | 84                     |
| 2503-23310        | 00000/0000 2-20026/1064                        | 06/08/76         | 90             | 7017                   | 3547S                              | 14158E                              | 17.4         | 43.1         | GGFG              |                     |                      | 101                     | 85                     |
| 2503-23313        | 00000/0000 2-20026/1065                        | 06/08/76         | 90             | 7017                   | 3713S                              | 14131E                              | 16.2         | 43.1         | FGGG              |                     |                      | 101                     | 86                     |
| 2504-00485        | 00000/0000 2-20026/1066                        | 06/09/76         | 10             | 7018                   | 5121N                              | 14024E                              | 54.6         | 133.7        | GFGG              |                     |                      | 119                     | 24                     |
| 2504-01124        | 00000/0000 2-20026/1067                        | 06/09/76         | 0              | 7018                   | 3006S                              | 11750E                              | 22.3         | 43.5         | GGGG              |                     |                      | 119                     | 81                     |
| 2504-01130        | 00000/0000 2-20026/1068                        | 06/09/76         | 0              | 7018                   | 3131S                              | 11726E                              | 21.1         | 43.4         | GGGG              |                     |                      | 119                     | 82                     |
| 2504-01133        | 00000/0000 2-20026/1069                        | 06/09/76         | 0              | 7018                   | 3257S                              | 11701E                              | 19.9         | 43.2         | GGGG              |                     |                      | 119                     | 83                     |
| 2504-02321        | 00000/0000 2-20026/1070                        | 06/09/76         | 40             | 7019                   | 5122N                              | 11433E                              | 54.6         | 133.7        | GGGG              |                     |                      | 137                     | 24                     |
| 2504-02323        | 00000/0000 2-20026/1071                        | 06/09/76         | 20             | 7019                   | 5007N                              | 11353E                              | 55.3         | 131.4        | GGGG              |                     |                      | 137                     | 25                     |
| 2504-02350        | 00000/0000 2-20026/1072                        | 06/09/76         | 10             | 7019                   | 4136N                              | 11030E                              | 58.5         | 116.9        | GGGG              |                     |                      | 137                     | 31                     |
| 2504-02353        | 00000/0000 2-20026/1073                        | 06/09/76         | 10             | 7019                   | 4012N                              | 11002E                              | 58.8         | 114.3        | GGGG              |                     |                      | 137                     | 32                     |
| 2504-02362        | 00000/0000 2-20026/1074                        | 06/09/76         | 10             | 7019                   | 3721N                              | 10903E                              | 59.3         | 109.0        | GGGG              |                     |                      | 137                     | 34                     |
| 2504-02364        | 00000/0000 2-20026/1075                        | 06/09/76         | 10             | 7019                   | 3544N                              | 10835E                              | 59.5         | 106.4        | GGGG              |                     |                      | 137                     | 35                     |
| 2504-02371        | 00000/0000 2-20026/1076                        | 06/09/76         | 20             | 7019                   | 3428N                              | 10808E                              | 59.6         | 103.7        | GGGG              |                     |                      | 137                     | 36                     |
| 2504-02373        | 00000/0000 2-20026/1077                        | 06/09/76         | 70             | 7019                   | 3303N                              | 10742E                              | 59.6         | 101.0        | GGFG              |                     |                      | 137                     | 37                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM REEL NO./ POSITION IN REEL | DATE ACQUIRED | CLOUD COVER | SUNBIT NUMBER | PRINCIPAL POINT OF IMAGE | SUN FLEV. | SUN AZIM. | IMAGE QUAL | MSS DATA MODE | MSS IMAGE GAIN | SUNBIT PATH NUMBER | FRAME ROW NUMBER |
|----------------|--------------------------------------|---------------|-------------|---------------|--------------------------|-----------|-----------|------------|---------------|----------------|--------------------|------------------|
| 2504-04132     | 00000/0000                           | 2-20026/1013  | 06/09/76    | 10            | 7020                     | 5830N     | 09244E    | 50.7       | 144.5         | GGGG           | 155                | 19               |
| 2504-04152     | 00000/0000                           | 2-20026/1078  | 06/09/76    | 50            | 7020                     | 5132N     | 08A45E    | 54.6       | 133.7         | GGGG           | 155                | 24               |
| 2504-04155     | 00000/0000                           | 2-20026/1079  | 06/09/76    | 90            | 7020                     | 5007N     | 08A05E    | 55.3       | 131.4         | GGGG           | 155                | 25               |
| 2504-04161     | 00000/0000                           | 2-20026/1080  | 06/09/76    | 90            | 7020                     | 4842N     | 08727E    | 56.0       | 129.1         | GGGG           | 155                | 26               |
| 2504-04164     | 00000/0000                           | 2-20026/1081  | 06/09/76    | 20            | 7020                     | 4717N     | 08651E    | 56.6       | 126.7         | GGGG           | 155                | 27               |
| 2504-04170     | 00000/0000                           | 2-20026/1082  | 06/09/76    | 10            | 7020                     | 4553N     | 08617E    | 57.1       | 124.3         | GGGG           | 155                | 28               |
| 2504-04173     | 00000/0000                           | 2-20026/1083  | 06/09/76    | 10            | 7020                     | 4428N     | 08544E    | 57.6       | 121.9         | GGGG           | 155                | 29               |
| 2504-05561     | 00000/0000                           | 2-20026/1084  | 06/09/76    | 100           | 7021                     | 5953N     | 06755E    | 49.8       | 146.6         | FFGG           | 173                | 18               |
| 2504-05564     | 00000/0000                           | 2-20026/1085  | 06/09/76    | 100           | 7021                     | 5830N     | 06657E    | 50.7       | 144.5         | FFGG           | 173                | 19               |
| 2504-05570     | 00000/0000                           | 2-20026/1086  | 06/09/76    | 90            | 7021                     | 5736N     | 06603E    | 51.5       | 142.4         | GGGG           | 173                | 20               |
| 2504-05573     | 00000/0000                           | 2-20026/1087  | 06/09/76    | 90            | 7021                     | 5542N     | 06512E    | 52.4       | 140.2         | FFGG           | 173                | 21               |
| 2504-05575     | 00000/0000                           | 2-20026/1088  | 06/09/76    | 70            | 7021                     | 5419N     | 06425E    | 53.2       | 138.1         | FFGG           | 173                | 22               |
| 2504-05582     | 00000/0000                           | 2-20026/1089  | 06/09/76    | 50            | 7021                     | 5255N     | 06341E    | 53.9       | 135.9         | GGGG           | 173                | 23               |
| 2504-05584     | 00000/0000                           | 2-20026/1090  | 06/09/76    | 30            | 7021                     | 5131N     | 06258E    | 54.6       | 133.6         | FFGG           | 173                | 24               |
| 2504-05591     | 00000/0000                           | 2-20026/1091  | 06/09/76    | 10            | 7021                     | 5007N     | 06218E    | 55.3       | 131.4         | FFGG           | 173                | 25               |
| 2504-05593     | 00000/0000                           | 2-20026/1092  | 06/09/76    | 10            | 7021                     | 4843N     | 06140E    | 56.0       | 129.1         | FFGG           | 173                | 26               |
| 2504-06011     | 00000/0000                           | 2-20026/1093  | 06/09/76    | 0             | 7021                     | 4703N     | 05922E    | 58.1       | 119.4         | FFGG           | 173                | 30               |
| 2504-06014     | 00000/0000                           | 2-20026/1094  | 06/09/76    | 10            | 7021                     | 4177N     | 05851E    | 58.5       | 116.8         | FFGG           | 173                | 31               |
| 2504-06041     | 00000/0000                           | 2-20026/1095  | 06/09/76    | 10            | 7021                     | 3344N     | 05605E    | 59.6       | 101.0         | FFGG           | 173                | 37               |
| 2504-06043     | 00000/0000                           | 2-20026/1096  | 06/09/76    | 10            | 7021                     | 3138N     | 05540E    | 59.6       | 98.4          | FFGG           | 173                | 38               |
| 2504-06050     | 00000/0000                           | 2-20026/1097  | 06/09/76    | 10            | 7021                     | 3013N     | 05516E    | 59.6       | 95.7          | FFGG           | 173                | 39               |
| 2504-06052     | 00000/0000                           | 2-20026/1098  | 06/09/76    | 0             | 7021                     | 2846N     | 05452E    | 59.4       | 93.1          | FFGG           | 173                | 40               |
| 2504-06055     | 00000/0000                           | 2-20026/1099  | 06/09/76    | 0             | 7021                     | 2720N     | 05428E    | 59.2       | 90.6          | FFGG           | 173                | 41               |
| 2504-07334     | 00000/0000                           | 2-20026/1124  | 06/09/76    | 20            | 7022                     | 6237N     | 04414E    | 47.9       | 150.9         | GGGG           | 191                | 16               |
| 2504-07330     | 00000/0000                           | 2-20026/1125  | 06/09/76    | 70            | 7022                     | 6115N     | 04307E    | 48.9       | 148.7         | GGGG           | 191                | 17               |
| 2504-07393     | 00000/0000                           | 2-20026/1126  | 06/09/76    | 90            | 7022                     | 5953N     | 04205E    | 49.8       | 146.6         | GGGG           | 191                | 18               |
| 2504-07402     | 00000/0000                           | 2-20026/1100  | 06/09/76    | 70            | 7022                     | 5830N     | 04107E    | 50.7       | 144.5         | GGGG           | 191                | 19               |
| 2504-07404     | 00000/0000                           | 2-20026/1101  | 06/09/76    | 70            | 7022                     | 5706N     | 04013E    | 51.5       | 142.3         | GGGG           | 191                | 20               |
| 2504-07411     | 00000/0000                           | 2-20026/1103  | 06/09/76    | 70            | 7022                     | 5543N     | 03923E    | 52.4       | 140.2         | GGGG           | 191                | 21               |
| 2504-07413     | 00000/0000                           | 2-20026/1104  | 06/09/76    | 80            | 7022                     | 5419N     | 03835E    | 53.2       | 138.0         | GGGG           | 191                | 22               |
| 2504-07420     | 00000/0000                           | 2-20026/1105  | 06/09/76    | 20            | 7022                     | 5255N     | 03750E    | 53.9       | 135.9         | GGGG           | 191                | 23               |
| 2504-07422     | 00000/0000                           | 2-20026/1106  | 06/09/76    | 10            | 7022                     | 5130N     | 03708E    | 54.6       | 133.6         | GGGG           | 191                | 24               |
| 2504-07425     | 00000/0000                           | 2-20026/1107  | 06/09/76    | 60            | 7022                     | 5007N     | 03628E    | 55.3       | 131.4         | GGGG           | 191                | 25               |
| 2504-07431     | 00000/0000                           | 2-20026/1108  | 06/09/76    | 90            | 7022                     | 4841N     | 03550E    | 56.0       | 129.1         | GGGG           | 191                | 26               |
| 2504-07434     | 00000/0000                           | 2-20026/1109  | 06/09/76    | 90            | 7022                     | 4717N     | 03513E    | 56.6       | 126.7         | GGGG           | 191                | 27               |
|                |                                      |               |             |               |                          | 4552N     | 03438E    | 57.1       | 124.3         | GGGG           | 191                | 28               |

KEYS: CLOUD COVER 1 ..... 0 TO 100 = 1 CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS DATA<br>MODE | MSS<br>MSS IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------------------|--------------------------|-------------------------|------------------------|
| 2504-07440        | 00000/0000 2-20026/1110                        | 06/09/76         | 40             | 7022            | 4427N                              | 03405E                              | 57.6         | 121.8        |                   |                         |                          |                         |                        |
| 2504-09254        | 00000/0000 2-20026/1111                        | 06/09/76         | 10             | 7023            | 5005N                              | 01038E                              | 55.3         | 131.3        | FGGG              |                         |                          | 191                     | 29                     |
| 2504-09260        | 00000/0000 2-20026/1112                        | 06/09/76         | 10             | 7023            | 4841N                              | 01000E                              | 56.0         | 129.0        | GGGG              |                         |                          | 209                     | 25                     |
| 2504-09263        | 00000/0000 2-20026/1113                        | 06/09/76         | 10             | 7023            | 4716N                              | 00923E                              | 56.6         | 126.7        | GGGG              |                         |                          | 209                     | 26                     |
| 2504-09265        | 00000/0000 2-20026/1114                        | 06/09/76         | 10             | 7023            | 4551N                              | 00849E                              | 57.1         | 124.3        | GGGG              |                         |                          | 209                     | 27                     |
| 2504-09354        | 00000/0000 2-20026/1115                        | 06/09/76         | 10             | 7023            | 1551N                              | 00007W                              | 55.4         | 72.4         | GGGG              |                         |                          | 209                     | 28                     |
| 2504-10592        | 00000/0000 2-20026/1116                        | 06/09/76         | 90             | 7024            | 7924N                              | 03340E                              | 33.0         | 200.7        | GGGG              |                         |                          | 209                     | 49                     |
| 2504-10594        | 00000/0000 2-20026/1117                        | 06/09/76         | 30             | 7024            | 7834N                              | 02722E                              | 34.1         | 194.0        | GGGG              |                         |                          | 227                     | 2                      |
| 2504-11001        | 00000/0000 2-20026/1118                        | 06/09/76         | 20             | 7024            | 7737N                              | 02159E                              | 35.3         | 188.3        | GGGG              |                         |                          | 227                     | 3                      |
| 2504-11003        | 00000/0000 2-20026/1119                        | 06/09/76         | 20             | 7024            | 7635N                              | 01720E                              | 36.4         | 183.2        | GGGG              |                         |                          | 227                     | 4                      |
| 2504-11010        | 00000/0000 2-20026/1120                        | 06/09/76         | 40             | 7024            | 7528N                              | 01321E                              | 37.5         | 178.8        | GGGG              |                         |                          | 227                     | 5                      |
| 2504-12421        | 00000/0000 2-20026/1121                        | 06/09/76         | 80             | 7025            | 8009N                              | 01514E                              | 31.8         | 208.5        | GGGG              |                         |                          | 227                     | 6                      |
| 2504-12423        | 00000/0000 2-20026/1122                        | 06/09/76         | 90             | 7025            | 7928N                              | 00758E                              | 32.9         | 200.9        | GGGG              |                         |                          | 245                     | 1                      |
| 2504-12430        | 00000/0000 2-20026/1123                        | 06/09/76         | 90             | 7025            | 7838N                              | 00137E                              | 34.1         | 194.3        | GGGG              |                         |                          | 245                     | 2                      |
| 2504-12435        | 00000/0000 2-20026/1171                        | 06/09/76         | 20             | 7025            | 7637N                              | 00827W                              | 36.4         | 183.4        | GGGG              |                         |                          | 245                     | 3                      |
| 2504-14252        | 00000/0000 2-20026/1218                        | 06/09/76         | 50             | 7026            | 8008N                              | 01030W                              | 31.8         | 208.5        | GGGG              |                         |                          | 245                     | 5                      |
| 2504-14255        | 00000/0000 2-20026/1219                        | 06/09/76         | 50             | 7026            | 7927N                              | 01747W                              | 32.9         | 200.9        | GGGG              |                         |                          | 12                      | 1                      |
| 2504-14332        | 00000/0000 2-20026/1267                        | 06/09/76         | 80             | 7026            | 5708N                              | 06302W                              | 51.5         | 142.4        | GGGG              |                         |                          | 12                      | 2                      |
| 2504-14334        | 00000/0000 2-20026/1268                        | 06/09/76         | 90             | 7026            | 5545N                              | 06353W                              | 52.4         | 140.2        | GGGG              |                         |                          | 12                      | 20                     |
| 2504-14341        | 00000/0000 2-20026/1269                        | 06/09/76         | 70             | 7026            | 5421N                              | 06440W                              | 53.2         | 138.1        | GGGG              |                         |                          | 12                      | 21                     |
| 2504-14343        | 00000/0000 2-20026/1270                        | 06/09/76         | 10             | 7026            | 5257N                              | 06524W                              | 53.9         | 135.9        | GGGG              |                         |                          | 12                      | 22                     |
| 2504-14350        | 00000/0000 2-20026/1271                        | 06/09/76         | 10             | 7026            | 5133N                              | 06606W                              | 54.6         | 133.6        | GGGG              |                         |                          | 12                      | 23                     |
| 2504-14352        | 00000/0000 2-20026/1272                        | 06/09/76         | 10             | 7026            | 5009N                              | 06646W                              | 55.3         | 131.4        | GGGG              |                         |                          | 12                      | 24                     |
| 2504-14355        | 00000/0000 2-20026/1273                        | 06/09/76         | 0              | 7026            | 4844N                              | 06724W                              | 56.0         | 129.1        | GGGG              |                         |                          | 12                      | 25                     |
| 2504-16085        | 00000/0000 2-20026/1220                        | 06/09/76         | 100            | 7027            | 7956N                              | 03842W                              | 32.2         | 206.0        | GGGG              |                         |                          | 12                      | 26                     |
| 2504-16091        | 00000/0000 2-20026/1221                        | 06/09/76         | 100            | 7027            | 7911N                              | 04540W                              | 33.3         | 198.7        | GGGG              |                         |                          | 31                      | 1                      |
| 2504-16094        | 00000/0000 2-20026/1222                        | 06/09/76         | 90             | 7027            | 7819N                              | 05143W                              | 34.5         | 192.3        | GGGG              |                         |                          | 31                      | 2                      |
| 2504-16173        | 00000/0000 2-20026/1274                        | 06/09/76         | 10             | 7027            | 5422N                              | 09027W                              | 53.2         | 138.0        | GGGG              |                         |                          | 31                      | 3                      |
| 2504-16175        | 00000/0000 2-20026/1275                        | 06/09/76         | 10             | 7027            | 5258N                              | 09112W                              | 53.9         | 135.9        | GGGG              |                         |                          | 30                      | 22                     |
| 2504-16182        | 00000/0000 2-20026/1276                        | 06/09/76         | 10             | 7027            | 5134N                              | 09154W                              | 54.6         | 133.6        | GGGG              |                         |                          | 30                      | 23                     |
| 2504-16184        | 00000/0000 2-20026/1277                        | 06/09/76         | 40             | 7027            | 5009N                              | 09234W                              | 55.3         | 131.4        | GGGG              |                         |                          | 30                      | 24                     |
| 2504-18013        | 00000/0000 2-20026/1317                        | 06/09/76         | 90             | 7028            | 5133N                              | 11743W                              | 54.7         | 133.6        | GGGG              |                         |                          | 30                      | 25                     |
| 2504-21183        | 00000/0000 2-20026/1056                        | 06/09/76         | 90             | 7030            | 8008N                              | 11354W                              | 31.8         | 208.4        | GGGG              |                         |                          | 84                      | 1                      |
| 2504-21185        | 00000/0000 2-20026/1057                        | 06/09/76         | 80             | 7030            | 7926N                              | 12110W                              | 33.0         | 200.8        | GGGG              |                         |                          | 84                      | 2                      |
| 2504-21194        | 00000/0000 2-20026/1058                        | 06/09/76         | 90             | 7030            | 7739N                              | 13255W                              | 35.3         | 188.4        | GGGG              |                         |                          | 84                      | 4                      |
| 2504-21201        | 00000/0000 2-20026/1059                        | 06/09/76         | 90             | 7030            | 7637N                              | 13733W                              | 36.4         | 183.3        | GGGG              |                         |                          | 84                      | 5                      |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                                                |                  |                |                 |                                    |                                     |              |              | 123 45678         |                     |                      |                         |                        |
| 2504-21203        | 30000/0000                                     | 2-20026/1060     | 06/09/76       | 90              | 7030                               | 7530N                               | 14131W       | 37.5         | 178.8             | GGGG                |                      |                         |                        |
| 2504-21210        | 30000/0000                                     | 2-20026/1061     | 06/09/76       | 40              | 7030                               | 7420N                               | 14457W       | 38.6         | 174.9             | GGGG                |                      | 84                      | 6                      |
| 2504-21212        | 30000/0000                                     | 2-20026/1062     | 06/09/76       | 20              | 7030                               | 7308N                               | 14755W       | 39.7         | 171.4             | GGGG                |                      | 84                      | 7                      |
| 2504-21215        | 30000/0000                                     | 2-20026/1063     | 06/09/76       | 80              | 7030                               | 7154N                               | 15031W       | 40.8         | 168.2             | GGGG                |                      | 84                      | 8                      |
| 2504-23362        | 30000/0000                                     | 2-20026/1223     | 06/09/76       | 70              | 7031                               | 3424S                               | 14057E       | 18.6         | 43.1              | GGGG                |                      | 84                      | 9                      |
| 2504-23364        | 30000/0000                                     | 2-20026/1224     | 06/09/76       | 90              | 7031                               | 3549S                               | 14031E       | 17.3         | 43.1              | GGGG                |                      | 102                     | 84                     |
| 2505-03544        | 30000/0000                                     | 2-20026/1225     | 06/10/76       | 20              | 7032                               | 5131N                               | 13859E       | 54.7         | 133.5             | GGGG                |                      | 102                     | 85                     |
| 2505-01064        | 30000/0000                                     | 2-20026/1226     | 06/10/76       | 30              | 7032                               | 1007N                               | 12610E       | 52.4         | 65.2              | GGGG                |                      | 120                     | 24                     |
| 2505-01071        | 30000/0000                                     | 2-20026/1227     | 06/10/76       | 30              | 7032                               | 0840N                               | 12549E       | 51.6         | 63.6              | GGGG                |                      | 120                     | 53                     |
| 2505-01073        | 30000/0000                                     | 2-20026/1228     | 06/10/76       | 60              | 7032                               | 0713N                               | 12529E       | 50.8         | 62.1              | GGGG                |                      | 120                     | 54                     |
| 2505-01180        | 30000/0000                                     | 2-20026/1229     | 06/10/76       | 10              | 7032                               | 2841S                               | 11648E       | 23.4         | 43.7              | GGGG                |                      | 120                     | 55                     |
| 2505-01185        | 30000/0000                                     | 2-20026/1230     | 06/10/76       | 0               | 7032                               | 3131S                               | 11600E       | 21.0         | 43.3              | GGGG                |                      | 120                     | 80                     |
| 2505-02373        | 30000/0000                                     | 2-20026/1172     | 06/10/76       | 30              | 7033                               | 5245N                               | 11350E       | 54.0         | 135.7             | GGGG                |                      | 120                     | 82                     |
| 2505-02375        | 30000/0000                                     | 2-20026/1173     | 06/10/76       | 10              | 7033                               | 5132N                               | 11308E       | 54.7         | 131.5             | GGGG                |                      | 138                     | 23                     |
| 2505-02382        | 30000/0000                                     | 2-20026/1174     | 06/10/76       | 10              | 7033                               | 5007N                               | 11228E       | 55.4         | 131.2             | GGGG                |                      | 138                     | 24                     |
| 2505-02384        | 30000/0000                                     | 2-20026/1175     | 06/10/76       | 10              | 7033                               | 4842N                               | 11150E       | 56.0         | 128.9             | GGGG                |                      | 138                     | 25                     |
| 2505-02405        | 30000/0000                                     | 2-20026/1176     | 06/10/76       | 10              | 7033                               | 4137N                               | 10905E       | 58.5         | 116.7             | GGGG                |                      | 138                     | 26                     |
| 2505-02411        | 30000/0000                                     | 2-20026/1177     | 06/10/76       | 10              | 7033                               | 4012N                               | 10836E       | 58.8         | 114.1             | GGGG                |                      | 138                     | 31                     |
| 2505-02420        | 30000/0000                                     | 2-20026/1178     | 06/10/76       | 0               | 7033                               | 3721N                               | 10738E       | 59.3         | 108.8             | GGGG                |                      | 138                     | 32                     |
| 2505-02423        | 30000/0000                                     | 2-20026/1179     | 06/10/76       | 0               | 7033                               | 3555N                               | 10710E       | 59.5         | 106.2             | GGGG                |                      | 138                     | 34                     |
| 2505-02425        | 30000/0000                                     | 2-20026/1180     | 06/10/76       | 10              | 7033                               | 3429N                               | 10643E       | 59.6         | 103.5             | GGGG                |                      | 138                     | 35                     |
| 2505-02432        | 30000/0000                                     | 2-20026/1181     | 06/10/76       | 10              | 7033                               | 3303N                               | 10617E       | 59.6         | 100.8             | GGGG                |                      | 138                     | 36                     |
| 2505-04190        | 30000/0000                                     | 2-20026/1127     | 06/10/76       | 40              | 7034                               | 5828N                               | 09115E       | 50.7         | 144.3             | GGGG                |                      | 138                     | 37                     |
| 2505-04193        | 30000/0000                                     | 2-20026/1128     | 06/10/76       | 30              | 7034                               | 5706N                               | 09021E       | 51.6         | 142.2             | GGGG                |                      | 156                     | 19                     |
| 2505-04195        | 30000/0000                                     | 2-20026/1129     | 06/10/76       | 10              | 7034                               | 5544N                               | 08931E       | 52.4         | 140.1             | GGGG                |                      | 156                     | 20                     |
| 2505-04202        | 30000/0000                                     | 2-20026/1130     | 06/10/76       | 50              | 7034                               | 5420N                               | 08843E       | 53.2         | 137.9             | GGGG                |                      | 156                     | 21                     |
| 2505-04204        | 30000/0000                                     | 2-20026/1131     | 06/10/76       | 20              | 7034                               | 5255N                               | 08759E       | 54.0         | 135.7             | GGGG                |                      | 156                     | 22                     |
| 2505-04222        | 30000/0000                                     | 2-20026/1132     | 06/10/76       | 20              | 7034                               | 4716N                               | 08522E       | 56.6         | 126.5             | GGGG                |                      | 156                     | 23                     |
| 2505-04225        | 30000/0000                                     | 2-20026/1133     | 06/10/76       | 10              | 7034                               | 4552N                               | 08448E       | 57.2         | 124.1             | GGGG                |                      | 156                     | 27                     |
| 2505-04231        | 30000/0000                                     | 2-20026/1134     | 06/10/76       | 30              | 7034                               | 4427N                               | 08414E       | 57.7         | 121.7             | GGGG                |                      | 156                     | 28                     |
| 2505-06024        | 30000/0000                                     | 2-20026/1304     | 06/10/76       | 80              | 7035                               | 5706N                               | 06436E       | 51.6         | 142.2             | GGGG                |                      | 156                     | 29                     |
| 2505-06031        | 30000/0000                                     | 2-20026/1305     | 06/10/76       | 10              | 7035                               | 5542N                               | 06345E       | 52.4         | 140.1             | GGGG                |                      | 174                     | 20                     |
| 2505-06033        | 30000/0000                                     | 2-20026/1306     | 06/10/76       | 10              | 7035                               | 5419N                               | 06257E       | 53.2         | 137.9             | GGGG                |                      | 174                     | 21                     |
| 2505-06040        | 30000/0000                                     | 2-20026/1307     | 06/10/76       | 10              | 7035                               | 5255N                               | 06213E       | 54.0         | 135.7             | GGGG                |                      | 174                     | 22                     |
| 2505-06042        | 30000/0000                                     | 2-20026/1308     | 06/10/76       | 10              | 7035                               | 5130N                               | 06131E       | 54.7         | 133.5             | GGGG                |                      | 174                     | 23                     |
| 2505-06045        | 30000/0000                                     | 2-20026/1309     | 06/10/76       | 10              | 7035                               | 5006N                               | 06050E       | 55.4         | 131.2             | GGGG                |                      | 174                     | 24                     |
|                   |                                                |                  |                |                 |                                    |                                     |              |              |                   |                     |                      | 174                     | 25                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK, NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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| OBSERVATION<br>ID | MICROFILM RELI<br>POSITION IN RELI<br>REV | RAI NR./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | 123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-------------------------------------------|-----------------|------------------|----------------|-----------------|------------------------------------|---------------|--------------|--------------|-----------------------|-----------|---------------------|----------------------|-------------------------|------------------------|
| 2505-06051        | 00000/0000                                | 2-20026/1285    | 06/10/76         | 0              | 7035            | 4842N                              | 06012E        | 56.0         | 128.9        | GGGG                  |           |                     |                      | 174                     | 26                     |
| 2505-06081        | 00000/0000                                | 2-20026/1286    | 06/10/76         | 0              | 7035            | 3845N                              | 05626E        | 59.1         | 111.4        | GGGG                  |           |                     |                      | 174                     | 33                     |
| 2505-06083        | 00000/0000                                | 2-20026/1287    | 06/10/76         | 10             | 7035            | 3720N                              | 05558E        | 59.3         | 108.8        | GGGG                  |           |                     |                      | 174                     | 34                     |
| 2505-06090        | 00000/0000                                | 2-20026/1288    | 06/10/76         | 10             | 7035            | 3554N                              | 05530E        | 59.5         | 106.1        | GGGG                  |           |                     |                      | 174                     | 35                     |
| 2505-06092        | 00000/0000                                | 2-20026/1289    | 06/10/76         | 0              | 7035            | 3428N                              | 05504E        | 59.6         | 103.5        | GGGG                  |           |                     |                      | 174                     | 36                     |
| 2505-06113        | 00000/0000                                | 2-20026/1290    | 06/10/76         | 10             | 7035            | 2719N                              | 05301E        | 59.1         | 90.4         | GGGG                  |           |                     |                      | 174                     | 41                     |
| 2505-07160        | 00000/0000                                | 2-20026/1291    | 06/10/76         | 80             | 7036            | 5705N                              | 03845E        | 51.6         | 142.2        | GGGG                  |           |                     |                      | 192                     | 20                     |
| 2505-07452        | 00000/0000                                | 2-20026/1292    | 06/10/76         | 70             | 7036            | 5541N                              | 03755E        | 52.4         | 140.1        | GGGG                  |           |                     |                      | 192                     | 21                     |
| 2505-07465        | 00000/0000                                | 2-20026/1293    | 06/10/76         | 70             | 7036            | 5417N                              | 03708E        | 53.2         | 137.9        | GGGG                  |           |                     |                      | 192                     | 22                     |
| 2505-07471        | 00000/0000                                | 2-20026/1294    | 06/10/76         | 90             | 7036            | 5253N                              | 03623E        | 54.0         | 135.7        | GGGG                  |           |                     |                      | 192                     | 23                     |
| 2505-07474        | 00000/0000                                | 2-20026/1295    | 06/10/76         | 100            | 7036            | 5130N                              | 03541E        | 54.7         | 133.5        | GGGF                  |           |                     |                      | 192                     | 24                     |
| 2505-07480        | 00000/0000                                | 2-20026/1296    | 06/10/76         | 90             | 7036            | 5005N                              | 03501E        | 55.4         | 131.2        | GGGF                  |           |                     |                      | 192                     | 25                     |
| 2505-07483        | 00000/0000                                | 2-20026/1297    | 06/10/76         | 90             | 7036            | 4841N                              | 03423E        | 56.0         | 128.9        | GGGG                  |           |                     |                      | 192                     | 26                     |
| 2505-07485        | 00000/0000                                | 2-20026/1298    | 06/10/76         | 60             | 7036            | 4716N                              | 03346E        | 56.6         | 126.5        | GGGG                  |           |                     |                      | 192                     | 27                     |
| 2505-07492        | 00000/0000                                | 2-20026/1299    | 06/10/76         | 40             | 7036            | 4551N                              | 03312E        | 57.2         | 124.1        | GGGG                  |           |                     |                      | 192                     | 28                     |
| 2505-09301        | 00000/0000                                | 2-20026/1300    | 06/10/76         | 30             | 7037            | 5418N                              | 01120E        | 53.2         | 137.9        | FGGG                  |           |                     |                      | 210                     | 22                     |
| 2505-09321        | 00000/0000                                | 2-20026/1301    | 06/10/76         | 50             | 7037            | 4716N                              | 00759E        | 56.6         | 126.5        | GGGG                  |           |                     |                      | 210                     | 27                     |
| 2505-09324        | 00000/0000                                | 2-20026/1302    | 06/10/76         | 50             | 7037            | 4551N                              | 00724E        | 57.2         | 124.1        | GGGG                  |           |                     |                      | 210                     | 28                     |
| 2505-11050        | 00000/0000                                | 2-20026/1303    | 06/10/76         | 90             | 7038            | 7926N                              | 03217E        | 33.0         | 200.8        | GGGG                  |           |                     |                      | 228                     | 2                      |
| 2505-11055        | 00000/0000                                | 2-20026/1659    | 06/10/76         | 90             | 7038            | 7740N                              | 02035E        | 35.3         | 188.3        | GGGG                  |           |                     |                      | 228                     | 4                      |
| 2505-11062        | 00000/0000                                | 2-20026/1660    | 06/10/76         | 90             | 7038            | 7627N                              | 01554E        | 36.4         | 183.3        | GGGG                  |           |                     |                      | 228                     | 5                      |
| 2505-11064        | 00000/0000                                | 2-20026/1661    | 06/10/76         | 90             | 7038            | 7530N                              | 01154E        | 37.6         | 178.8        | GGGG                  |           |                     |                      | 228                     | 6                      |
| 2505-12475        | 00000/0000                                | 2-20026/1662    | 06/10/76         | 90             | 7039            | 8077N                              | 01351E        | 31.9         | 208.3        | GGGG                  |           |                     |                      | 246                     | 1                      |
| 2505-12482        | 00000/0000                                | 2-20026/1663    | 06/10/76         | 100            | 7039            | 7926N                              | 00637E        | 33.0         | 200.8        | GGGG                  |           |                     |                      | 246                     | 2                      |
| 2505-12484        | 00000/0000                                | 2-20026/1664    | 06/10/76         | 100            | 7039            | 7826N                              | 00018E        | 34.2         | 194.1        | GGGG                  |           |                     |                      | 246                     | 3                      |
| 2505-12491        | 00000/0000                                | 2-20026/1231    | 06/10/76         | 90             | 7039            | 7739N                              | 00508W        | 35.3         | 188.3        | GFGG                  |           |                     |                      | 246                     | 4                      |
| 2505-12493        | 00000/0000                                | 2-20026/1232    | 06/10/76         | 90             | 7039            | 7637N                              | 00948W        | 36.5         | 183.2        | GGFG                  |           |                     |                      | 246                     | 5                      |
| 2505-13214        | 00000/0000                                | 2-20026/1233    | 06/10/76         | 10             | 7039            | 3130S                              | 06444W        | 21.0         | 43.3         | FFFF                  |           |                     |                      | 246                     | 82                     |
| 2505-13220        | 00000/0000                                | 2-20026/1234    | 06/10/76         | 10             | 7039            | 3255S                              | 06509W        | 19.8         | 43.2         | GGGG                  |           |                     |                      | 246                     | 83                     |
| 2505-13223        | 00000/0000                                | 2-20026/1235    | 06/10/76         | 0              | 7039            | 3421S                              | 06534W        | 18.5         | 43.1         | GGGG                  |           |                     |                      | 246                     | 84                     |
| 2505-14411        | 00000/0000                                | 2-20026/1653    | 06/10/76         | 90             | 7040            | 5007N                              | 06814W        | 55.4         | 131.2        | GGGG                  |           |                     |                      | 13                      | 25                     |
| 2505-14413        | 00000/0000                                | 2-20026/1654    | 06/10/76         | 70             | 7040            | 4843N                              | 06852W        | 56.0         | 128.9        | GGGG                  |           |                     |                      | 13                      | 26                     |
| 2505-16231        | 00000/0000                                | 2-20026/1655    | 06/10/76         | 100            | 7041            | 5421N                              | 09154W        | 53.2         | 137.9        | GGGG                  |           |                     |                      | 31                      | 22                     |
| 2505-16233        | 00000/0000                                | 2-20026/1656    | 06/10/76         | 90             | 7041            | 5257N                              | 09239W        | 54.0         | 135.7        | GGGG                  |           |                     |                      | 31                      | 23                     |
| 2505-16240        | 00000/0000                                | 2-20026/1657    | 06/10/76         | 60             | 7041            | 5133N                              | 09321W        | 54.7         | 133.5        | GGGG                  |           |                     |                      | 31                      | 24                     |
| 2505-16242        | 00000/0000                                | 2-20026/1658    | 06/10/76         | 10             | 7041            | 5008N                              | 09402W        | 55.4         | 131.2        | GGGG                  |           |                     |                      | 31                      | 25                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2505-18053        | 00000/0000                                     | 2-20026/1311     | 06/10/76       | 80              | 7042                               | 5708N                               | 11605W       | 51.6         | 142.2             | FGGG                |                      | 49                      | 20                     |
| 2505-18060        | 00000/0000                                     | 2-20026/1312     | 06/10/76       | 90              | 7042                               | 5545N                               | 11656W       | 52.4         | 140.0             | GGGG                |                      | 49                      | 21                     |
| 2505-18062        | 00000/0000                                     | 2-20026/1313     | 06/10/76       | 70              | 7042                               | 5420N                               | 11744W       | 53.2         | 137.9             | GGGG                |                      | 49                      | 22                     |
| 2505-18065        | 00000/0000                                     | 2-20026/1314     | 06/10/76       | 90              | 7042                               | 5256N                               | 11828W       | 54.0         | 135.7             | GGGG                |                      | 49                      | 23                     |
| 2505-18071        | 00000/0000                                     | 2-20026/1315     | 06/10/76       | 90              | 7042                               | 5132N                               | 11910W       | 54.7         | 133.5             | GGGG                |                      | 49                      | 24                     |
| 2505-23420        | 00000/0000                                     | 2-20026/1236     | 06/10/76       | 30              | 7045                               | 3423S                               | 13931E       | 18.5         | 43.1              | GGGG                |                      | 103                     | 84                     |
| 2506-01004        | 00000/0000                                     | 2-20026/1237     | 06/11/76       | 20              | 7046                               | 5005N                               | 13651E       | 55.4         | 131.1             | FGGG                |                      | 121                     | 25                     |
| 2506-01011        | 00000/0000                                     | 2-20026/1238     | 06/11/76       | 40              | 7046                               | 4841N                               | 13613E       | 56.0         | 128.8             | FGGG                |                      | 121                     | 26                     |
| 2506-01013        | 00000/0000                                     | 2-20026/1239     | 06/11/76       | 30              | 7046                               | 4716N                               | 13537E       | 56.6         | 126.4             | FGGG                |                      | 121                     | 27                     |
| 2506-01020        | 00000/0000                                     | 2-20026/1240     | 06/11/76       | 10              | 7046                               | 4551N                               | 13502E       | 57.2         | 124.0             | GGGG                |                      | 121                     | 28                     |
| 2506-01104        | 00000/0000                                     | 2-20026/1241     | 06/11/76       | 10              | 7046                               | 1551N                               | 12606E       | 55.3         | 72.2              | GGGG                |                      | 121                     | 49                     |
| 2506-01111        | 00000/0000                                     | 2-20026/1242     | 06/11/76       | 10              | 7046                               | 1425N                               | 12545E       | 54.7         | 70.3              | GGGG                |                      | 121                     | 50                     |
| 2506-01113        | 00000/0000                                     | 2-20026/1243     | 06/11/76       | 10              | 7046                               | 1258N                               | 12524E       | 53.9         | 68.4              | GGGG                |                      | 121                     | 51                     |
| 2506-01120        | 00000/0000                                     | 2-20026/1244     | 06/11/76       | 20              | 7046                               | 1132N                               | 12503E       | 53.2         | 66.7              | GGGG                |                      | 121                     | 52                     |
| 2506-01122        | 00000/0000                                     | 2-20026/1245     | 06/11/76       | 30              | 7046                               | 1005N                               | 12443E       | 52.4         | 65.1              | GGGG                |                      | 121                     | 53                     |
| 2506-01125        | 00000/0000                                     | 2-20026/1246     | 06/11/76       | 70              | 7046                               | 0839N                               | 12423E       | 51.5         | 63.5              | GGGG                |                      | 121                     | 54                     |
| 2506-01131        | 00000/0000                                     | 2-20026/1247     | 06/11/76       | 50              | 7046                               | 0712N                               | 12403E       | 50.7         | 62.0              | GGGG                |                      | 121                     | 55                     |
| 2506-01234        | 00000/0000                                     | 2-20026/1248     | 06/11/76       | 10              | 7046                               | 2841S                               | 11523E       | 23.3         | 43.7              | GGGG                |                      | 121                     | 80                     |
| 2506-01240        | 00000/0000                                     | 2-20026/1249     | 06/11/76       | 0               | 7046                               | 3006S                               | 11459E       | 22.1         | 43.5              | FGGG                |                      | 121                     | 81                     |
| 2506-02424        | 00000/0000                                     | 2-20026/1665     | 06/11/76       | 50              | 7047                               | 5418N                               | 11308E       | 53.3         | 137.8             | GGGG                |                      | 139                     | 22                     |
| 2506-02431        | 00000/0000                                     | 2-20026/1666     | 06/11/76       | 40              | 7047                               | 5255N                               | 11223E       | 54.0         | 135.6             | GGGG                |                      | 139                     | 23                     |
| 2506-02433        | 00000/0000                                     | 2-20026/1667     | 06/11/76       | 30              | 7047                               | 5131N                               | 11141E       | 54.7         | 133.3             | GGGG                |                      | 139                     | 24                     |
| 2506-02440        | 00000/0000                                     | 2-20026/1668     | 06/11/76       | 30              | 7047                               | 5006N                               | 11101E       | 55.4         | 131.1             | GGGG                |                      | 139                     | 25                     |
| 2506-02463        | 00000/0000                                     | 2-20026/1669     | 06/11/76       | 10              | 7047                               | 4136N                               | 10737E       | 58.5         | 116.5             | GGGG                |                      | 139                     | 31                     |
| 2506-02465        | 00000/0000                                     | 2-20026/1670     | 06/11/76       | 0               | 7047                               | 4011N                               | 10707E       | 58.8         | 113.9             | GGGG                |                      | 139                     | 32                     |
| 2506-02472        | 00000/0000                                     | 2-20026/1671     | 06/11/76       | 0               | 7047                               | 3845N                               | 10638E       | 59.1         | 111.3             | GGGG                |                      | 139                     | 33                     |
| 2506-02474        | 00000/0000                                     | 2-20026/1672     | 06/11/76       | 0               | 7047                               | 3720N                               | 10610E       | 59.3         | 108.6             | GGGG                |                      | 139                     | 34                     |
| 2506-02481        | 00000/0000                                     | 2-20026/1673     | 06/11/76       | 20              | 7047                               | 3555N                               | 10543E       | 59.5         | 106.0             | GGGG                |                      | 139                     | 35                     |
| 2506-04245        | 00000/0000                                     | 2-20026/1310     | 06/11/76       | 90              | 7048                               | 5827N                               | 08950E       | 50.8         | 144.2             | GGGG                |                      | 157                     | 19                     |
| 2506-04254        | 00000/0000                                     | 2-20026/1674     | 06/11/76       | 70              | 7048                               | 5541N                               | 08805E       | 52.5         | 139.9             | GGGG                |                      | 157                     | 21                     |
| 2506-04260        | 00000/0000                                     | 2-20026/1675     | 06/11/76       | 70              | 7048                               | 5419N                               | 08717E       | 53.3         | 137.8             | FGGG                |                      | 157                     | 22                     |
| 2506-04263        | 00000/0000                                     | 2-20026/1676     | 06/11/76       | 90              | 7048                               | 5254N                               | 08633E       | 54.0         | 135.6             | FGGG                |                      | 157                     | 23                     |
| 2506-04265        | 00000/0000                                     | 2-20026/1677     | 06/11/76       | 70              | 7048                               | 5129N                               | 08551E       | 54.7         | 133.3             | FGGG                |                      | 157                     | 24                     |
| 2506-04272        | 00000/0000                                     | 2-20026/1678     | 06/11/76       | 60              | 7048                               | 5005N                               | 08512E       | 55.4         | 131.1             | GGGG                |                      | 157                     | 25                     |
| 2506-04274        | 00000/0000                                     | 2-20026/1679     | 06/11/76       | 60              | 7048                               | 4840N                               | 08434E       | 56.0         | 128.7             | GGGG                |                      | 157                     | 26                     |
| 2506-04281        | 00000/0000                                     | 2-20026/1680     | 06/11/76       | 50              | 7048                               | 4716N                               | 08358E       | 56.6         | 126.4             | GGGG                |                      | 157                     | 27                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

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OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RMT NR./<br>POSITION IN RSLI<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-----------------------------------------------|--------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2506-04283        | 00000/0000                                    | 2-20024/1681 | 06/11/76         | 50             | 7048            | 4552N                              | 08323E                              | 57.2         | 124.0        | GGGG                  |                     |                      | 157                     | 28                     |
| 2506-04290        | 00000/0000                                    | 2-20024/1682 | 06/11/76         | 40             | 7048            | 4427N                              | 08250E                              | 57.7         | 121.5        | GGGG                  |                     |                      | 157                     | 29                     |
| 2506-06080        | 00000/0000                                    | 2-20024/1366 | 06/11/76         | 80             | 7049            | 5828N                              | 06400E                              | 50.8         | 144.2        | GGGG                  |                     |                      | 175                     | 19                     |
| 2506-06083        | 00000/0000                                    | 2-20024/1367 | 06/11/76         | 40             | 7049            | 5705N                              | 06307E                              | 51.6         | 142.1        | GGGG                  |                     |                      | 175                     | 20                     |
| 2506-06085        | 00000/0000                                    | 2-20024/1368 | 06/11/76         | 50             | 7049            | 5541N                              | 06217E                              | 52.5         | 139.9        | GGGG                  |                     |                      | 175                     | 21                     |
| 2506-06092        | 00000/0000                                    | 2-20024/1369 | 06/11/76         | 70             | 7049            | 5417N                              | 06130E                              | 53.3         | 137.8        | GGGG                  |                     |                      | 175                     | 22                     |
| 2506-06094        | 00000/0000                                    | 2-20024/1370 | 06/11/76         | 20             | 7049            | 5254N                              | 06045E                              | 54.0         | 135.6        | GGGG                  |                     |                      | 175                     | 23                     |
| 2506-06101        | 00000/0000                                    | 2-20024/1323 | 06/11/76         | 0              | 7049            | 5130N                              | 06003E                              | 54.7         | 133.3        | GGGG                  |                     |                      | 175                     | 24                     |
| 2506-06103        | 00000/0000                                    | 2-20024/1324 | 06/11/76         | 0              | 7049            | 5005N                              | 05923E                              | 55.4         | 131.0        | GGGG                  |                     |                      | 175                     | 25                     |
| 2506-06110        | 00000/0000                                    | 2-20024/1325 | 06/11/76         | 20             | 7049            | 4841N                              | 05845E                              | 56.1         | 128.7        | GGGG                  |                     |                      | 175                     | 26                     |
| 2506-06135        | 00000/0000                                    | 2-20024/1326 | 06/11/76         | 10             | 7049            | 3844N                              | 05458E                              | 59.1         | 111.2        | GGGG                  |                     |                      | 175                     | 33                     |
| 2506-06142        | 00000/0000                                    | 2-20024/1327 | 06/11/76         | 40             | 7049            | 3718N                              | 05430E                              | 59.3         | 108.6        | GGGG                  |                     |                      | 175                     | 34                     |
| 2506-06144        | 00000/0000                                    | 2-20024/1328 | 06/11/76         | 30             | 7049            | 3553N                              | 05403E                              | 59.5         | 105.9        | GGGG                  |                     |                      | 175                     | 35                     |
| 2506-06151        | 00000/0000                                    | 2-20024/1329 | 06/11/76         | 10             | 7049            | 3428N                              | 05337E                              | 59.6         | 103.3        | GGGG                  |                     |                      | 175                     | 36                     |
| 2506-06153        | 00000/0000                                    | 2-20024/1330 | 06/11/76         | 10             | 7049            | 3302N                              | 05312E                              | 59.6         | 100.6        | GGGG                  |                     |                      | 175                     | 37                     |
| 2506-06160        | 00000/0000                                    | 2-20024/1331 | 06/11/76         | 0              | 7049            | 3136N                              | 05246E                              | 59.6         | 97.9         | GGGG                  |                     |                      | 175                     | 38                     |
| 2506-06162        | 00000/0000                                    | 2-20024/1332 | 06/11/76         | 0              | 7049            | 3010N                              | 05222E                              | 59.5         | 95.3         | GGGG                  |                     |                      | 175                     | 39                     |
| 2506-07503        | 00000/0000                                    | 2-20024/1333 | 06/11/76         | 90             | 7050            | 6113N                              | 04010E                              | 49.0         | 148.4        | GGGG                  |                     |                      | 193                     | 17                     |
| 2506-07505        | 00000/0000                                    | 2-20024/1334 | 06/11/76         | 90             | 7050            | 5951N                              | 03908E                              | 49.9         | 146.3        | GGGG                  |                     |                      | 193                     | 18                     |
| 2506-07512        | 00000/0000                                    | 2-20024/1335 | 06/11/76         | 90             | 7050            | 5828N                              | 03811E                              | 50.8         | 144.2        | GGGG                  |                     |                      | 193                     | 19                     |
| 2506-07514        | 00000/0000                                    | 2-20024/1336 | 06/11/76         | 90             | 7050            | 5704N                              | 03717E                              | 51.7         | 142.1        | GGGG                  |                     |                      | 193                     | 20                     |
| 2506-07521        | 00000/0000                                    | 2-20024/1337 | 06/11/76         | 90             | 7050            | 5540N                              | 03627E                              | 52.5         | 139.9        | GGGG                  |                     |                      | 193                     | 21                     |
| 2506-07523        | 00000/0000                                    | 2-20024/1338 | 06/11/76         | 80             | 7050            | 5417N                              | 03540E                              | 53.3         | 137.7        | GGGG                  |                     |                      | 193                     | 22                     |
| 2506-07530        | 00000/0000                                    | 2-20024/1339 | 06/11/76         | 80             | 7050            | 5253N                              | 03456E                              | 54.0         | 135.5        | GGGG                  |                     |                      | 193                     | 23                     |
| 2506-07532        | 00000/0000                                    | 2-20024/1340 | 06/11/76         | 70             | 7050            | 5129N                              | 03413E                              | 54.7         | 133.3        | GGGG                  |                     |                      | 193                     | 24                     |
| 2506-07535        | 00000/0000                                    | 2-20024/1341 | 06/11/76         | 60             | 7050            | 5004N                              | 03333E                              | 55.4         | 131.0        | GGGG                  |                     |                      | 193                     | 25                     |
| 2506-07541        | 00000/0000                                    | 2-20024/1342 | 06/11/76         | 60             | 7050            | 4840N                              | 03255E                              | 56.1         | 128.7        | GGGG                  |                     |                      | 193                     | 26                     |
| 2506-07544        | 00000/0000                                    | 2-20024/1343 | 06/11/76         | 60             | 7050            | 4715N                              | 03199E                              | 56.7         | 126.3        | GGGG                  |                     |                      | 193                     | 27                     |
| 2506-07550        | 00000/0000                                    | 2-20024/1344 | 06/11/76         | 20             | 7050            | 4550N                              | 03144E                              | 57.2         | 123.9        | GGGG                  |                     |                      | 193                     | 28                     |
| 2506-09375        | 00000/0000                                    | 2-20024/1345 | 06/11/76         | 30             | 7051            | 4718N                              | 00633E                              | 56.6         | 126.4        | GGGG                  |                     |                      | 211                     | 27                     |
| 2506-09382        | 00000/0000                                    | 2-20024/1346 | 06/11/76         | 10             | 7051            | 4553N                              | 00558E                              | 57.2         | 124.0        | GGGG                  |                     |                      | 211                     | 28                     |
| 2506-11104        | 00000/0000                                    | 2-20024/1347 | 06/11/76         | 60             | 7052            | 7926N                              | 03048E                              | 33.1         | 200.7        | GGGG                  |                     |                      | 229                     | 2                      |
| 2506-11113        | 00000/0000                                    | 2-20024/1353 | 06/11/76         | 100            | 7052            | 7739N                              | 01902E                              | 35.4         | 188.2        | GGGG                  |                     |                      | 229                     | 4                      |
| 2506-11120        | 00000/0000                                    | 2-20024/1354 | 06/11/76         | 100            | 7052            | 7636N                              | 01424E                              | 36.5         | 183.1        | GGGG                  |                     |                      | 229                     | 5                      |
| 2506-11122        | 00000/0000                                    | 2-20024/1355 | 06/11/76         | 100            | 7052            | 7531N                              | 01027E                              | 37.7         | 178.7        | GGGG                  |                     |                      | 229                     | 6                      |
| 2506-12533        | 00000/0000                                    | 2-20024/1356 | 06/11/76         | 90             | 7053            | 8008N                              | 01213E                              | 32.0         | 208.2        | GGGG                  |                     |                      | 247                     | 1                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK, NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2506-12540        | 00000/0000                                     | 2-20026/1357     | 06/11/76       | 80              | 7053                         | 7926N         | 00457E       | 33.1         | 200.6                 | GGGG                |                      | 247                     | 2                      |
| 2506-12542        | 00000/0000                                     | 2-20026/1358     | 06/11/76       | 50              | 7053                         | 7836N         | 00120W       | 34.3         | 194.0                 | GGGG                |                      | 247                     | 3                      |
| 2506-12545        | 00000/0000                                     | 2-20026/1359     | 06/11/76       | 10              | 7053                         | 7739N         | 00645W       | 35.4         | 188.2                 | GGGG                |                      | 247                     | 4                      |
| 2506-14365        | 00000/0000                                     | 2-20026/1808     | 06/11/76       | 10              | 7054                         | 8007N         | 01334W       | 32.0         | 208.2                 | GGGG                |                      | 14                      | 1                      |
| 2506-14372        | 00000/0000                                     | 2-20026/1809     | 06/11/76       | 10              | 7054                         | 7925N         | 02046W       | 33.1         | 200.6                 | GGGG                |                      | 14                      | 2                      |
| 2506-14463        | 00000/0000                                     | 2-20026/1153     | 06/11/76       | 80              | 7054                         | 5131N         | 06R59W       | 54.7         | 133.3                 | GFGG                |                      | 14                      | 24                     |
| 2506-14465        | 00000/0000                                     | 2-20026/1154     | 06/11/76       | 90              | 7054                         | 5007N         | 06939W       | 55.4         | 131.0                 | GGGG                |                      | 14                      | 25                     |
| 2506-14472        | 00000/0000                                     | 2-20026/1155     | 06/11/76       | 90              | 7054                         | 4842N         | 07017W       | 56.0         | 128.7                 | GGGG                |                      | 14                      | 26                     |
| 2506-16283        | 00000/0000                                     | 2-20026/1156     | 06/11/76       | 10              | 7055                         | 5544N         | 09233W       | 52.5         | 139.9                 | GGGG                |                      | 32                      | 21                     |
| 2506-16285        | 00000/0000                                     | 2-20026/1157     | 06/11/76       | 90              | 7055                         | 5419N         | 09321W       | 53.3         | 137.7                 | GGGG                |                      | 32                      | 22                     |
| 2506-16292        | 00000/0000                                     | 2-20026/1158     | 06/11/76       | 50              | 7055                         | 5256N         | 09406W       | 54.0         | 135.5                 | GGGG                |                      | 32                      | 23                     |
| 2506-16294        | 00000/0000                                     | 2-20026/1159     | 06/11/76       | 50              | 7055                         | 5132N         | 09448W       | 54.7         | 133.3                 | GFGG                |                      | 32                      | 24                     |
| 2506-18112        | 00000/0000                                     | 2-20026/1318     | 06/11/76       | 70              | 7056                         | 5706N         | 11733W       | 51.7         | 142.0                 | GGGG                |                      | 50                      | 20                     |
| 2506-18114        | 00000/0000                                     | 2-20026/1319     | 06/11/76       | 60              | 7056                         | 5543N         | 11823W       | 52.5         | 139.9                 | GGGG                |                      | 50                      | 21                     |
| 2506-18121        | 00000/0000                                     | 2-20026/1320     | 06/11/76       | 90              | 7056                         | 5419N         | 11911W       | 53.3         | 137.7                 | FGGG                |                      | 50                      | 22                     |
| 2506-18123        | 00000/0000                                     | 2-20026/1321     | 06/11/76       | 90              | 7056                         | 5255N         | 11956W       | 54.0         | 135.5                 | GGGG                |                      | 50                      | 23                     |
| 2506-18130        | 00000/0000                                     | 2-20026/1322     | 06/11/76       | 90              | 7056                         | 5131N         | 12038W       | 54.7         | 133.3                 | GGGG                |                      | 50                      | 24                     |
| 2506-23472        | 00000/0000                                     | 2-20026/1810     | 06/11/76       | 10              | 7059                         | 3259S         | 13R30E       | 19.6         | 43.2                  | GGGG                |                      | 104                     | 83                     |
| 2506-23475        | 00000/0000                                     | 2-20026/1811     | 06/11/76       | 10              | 7059                         | 3424S         | 13R05E       | 18.4         | 43.1                  | GGGG                |                      | 104                     | 84                     |
| 2507-02480        | 00000/0000                                     | 2-20026/1360     | 06/12/76       | 50              | 7061                         | 5545N         | 11234E       | 52.5         | 139.9                 | GGGG                |                      | 140                     | 21                     |
| 2507-02483        | 00000/0000                                     | 2-20026/1361     | 06/12/76       | 40              | 7061                         | 5421N         | 11145E       | 53.3         | 137.7                 | GGGG                |                      | 140                     | 22                     |
| 2507-02485        | 00000/0000                                     | 2-20026/1362     | 06/12/76       | 50              | 7061                         | 5258N         | 11100E       | 54.0         | 135.5                 | GGGG                |                      | 140                     | 23                     |
| 2507-02492        | 00000/0000                                     | 2-20026/1363     | 06/12/76       | 40              | 7061                         | 5123N         | 11017E       | 54.7         | 133.3                 | GGGG                |                      | 140                     | 24                     |
| 2507-02494        | 00000/0000                                     | 2-20026/1364     | 06/12/76       | 20              | 7061                         | 5009N         | 10936E       | 55.4         | 131.0                 | GGGG                |                      | 140                     | 25                     |
| 2507-02524        | 00000/0000                                     | 2-20026/1365     | 06/12/76       | 0               | 7061                         | 4014N         | 10542E       | 58.8         | 113.8                 | GGGG                |                      | 140                     | 32                     |
| 2507-04303        | 00000/0000                                     | 2-20026/1371     | 06/12/76       | 10              | 7062                         | 5830N         | 08R25E       | 50.8         | 144.1                 | GGGG                |                      | 158                     | 19                     |
| 2507-04305        | 00000/0000                                     | 2-20026/1372     | 06/12/76       | 0               | 7062                         | 5707N         | 08731E       | 51.7         | 142.0                 | GGGG                |                      | 158                     | 20                     |
| 2507-04312        | 00000/0000                                     | 2-20026/1373     | 06/12/76       | 0               | 7062                         | 5544N         | 08R41E       | 52.5         | 139.9                 | GGGG                |                      | 158                     | 21                     |
| 2507-04314        | 00000/0000                                     | 2-20026/1374     | 06/12/76       | 10              | 7062                         | 5420N         | 08554E       | 53.3         | 137.7                 | GGGG                |                      | 158                     | 22                     |
| 2507-04323        | 00000/0000                                     | 2-20026/1375     | 06/12/76       | 50              | 7062                         | 5132N         | 08427E       | 54.7         | 133.3                 | GGGG                |                      | 158                     | 24                     |
| 2507-04330        | 00000/0000                                     | 2-20026/1376     | 06/12/76       | 80              | 7062                         | 5008N         | 08347E       | 55.4         | 131.0                 | GGGG                |                      | 158                     | 25                     |
| 2507-04332        | 00000/0000                                     | 2-20026/1377     | 06/12/76       | 90              | 7062                         | 4843N         | 08308E       | 56.1         | 128.6                 | GGGG                |                      | 158                     | 26                     |
| 2507-04341        | 00000/0000                                     | 2-20026/1378     | 06/12/76       | 40              | 7062                         | 4554N         | 08157E       | 57.2         | 123.9                 | GGGG                |                      | 158                     | 28                     |
| 2507-04344        | 00000/0000                                     | 2-20026/1379     | 06/12/76       | 30              | 7062                         | 4429N         | 08124E       | 57.7         | 121.4                 | GGGG                |                      | 158                     | 29                     |
| 2507-04350        | 00000/0000                                     | 2-20026/1380     | 06/12/76       | 20              | 7062                         | 4304N         | 08051E       | 58.1         | 118.9                 | GGGG                |                      | 158                     | 30                     |
| 2507-06132        | 00000/0000                                     | 2-20026/1417     | 06/12/76       | 10              | 7063                         | 5953N         | 06333E       | 49.9         | 146.3                 | GGGG                |                      | 176                     | 18                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBY | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>POINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|---------------------------------------|----------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2507-06134        | 00000/0000                   | 2-20026/1396                | 06/12/76         | 10             | 7063            | 5831N                                 | 06235E                                 | 50.8         | 144.1        | GGG               |                     |                      | 176                     | 19                     |
| 2507-06141        | 00000/0000                   | 2-20026/1397                | 06/12/76         | 20             | 7063            | 5707N                                 | 06141E                                 | 51.7         | 142.0        | GGGG              |                     |                      | 176                     | 20                     |
| 2507-06143        | 00000/0000                   | 2-20026/1495                | 06/12/76         | 10             | 7063            | 5544N                                 | 06051E                                 | 52.5         | 139.9        | GGG               |                     |                      | 176                     | 21                     |
| 2507-06150        | 00000/0000                   | 2-20026/1496                | 06/12/76         | 10             | 7063            | 5420N                                 | 06004E                                 | 53.3         | 137.7        | GGGG              |                     |                      | 176                     | 22                     |
| 2507-06152        | 00000/0000                   | 2-20026/1497                | 06/12/76         | 10             | 7063            | 5256N                                 | 05919E                                 | 54.0         | 135.5        | GGGG              |                     |                      | 176                     | 23                     |
| 2507-06155        | 00000/0000                   | 2-20026/1498                | 06/12/76         | 30             | 7063            | 5132N                                 | 05837E                                 | 54.8         | 133.2        | GGGG              |                     |                      | 176                     | 24                     |
| 2507-06161        | 00000/0000                   | 2-20026/1499                | 06/12/76         | 20             | 7063            | 5007N                                 | 05757E                                 | 55.4         | 131.0        | GGGG              |                     |                      | 176                     | 25                     |
| 2507-06164        | 00000/0000                   | 2-20026/1500                | 06/12/76         | 10             | 7063            | 4843N                                 | 05719E                                 | 56.1         | 128.6        | GGGG              |                     |                      | 176                     | 26                     |
| 2507-06170        | 00000/0000                   | 2-20026/1501                | 06/12/76         | 10             | 7063            | 4718N                                 | 05643E                                 | 56.7         | 126.3        | GGGG              |                     |                      | 176                     | 27                     |
| 2507-06200        | 00000/0000                   | 2-20026/1502                | 06/12/76         | 80             | 7063            | 3721N                                 | 05305E                                 | 59.3         | 108.5        | GGGG              |                     |                      | 176                     | 28                     |
| 2507-06202        | 00000/0000                   | 2-20026/1503                | 06/12/76         | 30             | 7063            | 3556N                                 | 05238E                                 | 59.5         | 105.8        | GGGG              |                     |                      | 176                     | 29                     |
| 2507-06205        | 00000/0000                   | 2-20026/1504                | 06/12/76         | 0              | 7063            | 3430N                                 | 05211E                                 | 59.6         | 103.2        | GGGG              |                     |                      | 176                     | 30                     |
| 2507-06211        | 00000/0000                   | 2-20026/1505                | 06/12/76         | 0              | 7063            | 3305N                                 | 05146E                                 | 59.6         | 100.5        | GGGG              |                     |                      | 176                     | 31                     |
| 2507-06214        | 00000/0000                   | 2-20026/1506                | 06/12/76         | 0              | 7063            | 3139N                                 | 05121E                                 | 59.6         | 97.9         | GGGG              |                     |                      | 176                     | 32                     |
| 2507-06220        | 00000/0000                   | 2-20026/1507                | 06/12/76         | 0              | 7063            | 3013N                                 | 05057E                                 | 59.5         | 95.2         | GGGG              |                     |                      | 176                     | 33                     |
| 2507-06223        | 00000/0000                   | 2-20026/1508                | 06/12/76         | 0              | 7063            | 2848N                                 | 05033E                                 | 59.3         | 92.6         | GGGG              |                     |                      | 176                     | 34                     |
| 2507-07561        | 00000/0000                   | 2-20026/1509                | 06/12/76         | 90             | 7064            | 6116N                                 | 03849E                                 | 49.0         | 148.4        | GGFG              |                     |                      | 194                     | 17                     |
| 2507-07563        | 00000/0000                   | 2-20026/1510                | 06/12/76         | 90             | 7064            | 5953N                                 | 03747E                                 | 49.9         | 146.3        | GGFG              |                     |                      | 194                     | 18                     |
| 2507-07570        | 00000/0000                   | 2-20026/1511                | 06/12/76         | 90             | 7064            | 5830N                                 | 03649E                                 | 50.8         | 144.1        | GGGG              |                     |                      | 194                     | 19                     |
| 2507-07572        | 00000/0000                   | 2-20026/1512                | 06/12/76         | 50             | 7064            | 5707N                                 | 03555E                                 | 51.7         | 142.0        | GGGG              |                     |                      | 194                     | 20                     |
| 2507-07575        | 00000/0000                   | 2-20026/1513                | 06/12/76         | 70             | 7064            | 5543N                                 | 03504E                                 | 52.5         | 139.8        | GGFG              |                     |                      | 194                     | 21                     |
| 2507-07581        | 00000/0000                   | 2-20026/1514                | 06/12/76         | 60             | 7064            | 5419N                                 | 03417E                                 | 53.3         | 137.7        | GGFG              |                     |                      | 194                     | 22                     |
| 2507-07584        | 00000/0000                   | 2-20026/1515                | 06/12/76         | 60             | 7064            | 5255N                                 | 03332E                                 | 54.0         | 135.5        | GGGG              |                     |                      | 194                     | 23                     |
| 2507-07590        | 00000/0000                   | 2-20026/1516                | 06/12/76         | 60             | 7064            | 5131N                                 | 03249E                                 | 54.8         | 133.2        | GGGG              |                     |                      | 194                     | 24                     |
| 2507-07593        | 00000/0000                   | 2-20026/1517                | 06/12/76         | 40             | 7064            | 5007N                                 | 03210E                                 | 55.4         | 130.9        | GGGG              |                     |                      | 194                     | 25                     |
| 2507-07595        | 00000/0000                   | 2-20026/1518                | 06/12/76         | 70             | 7064            | 4842N                                 | 03132E                                 | 56.1         | 128.6        | GGGG              |                     |                      | 194                     | 26                     |
| 2507-08002        | 00000/0000                   | 2-20026/1519                | 06/12/76         | 90             | 7064            | 4718N                                 | 03056E                                 | 56.7         | 126.2        | GGGG              |                     |                      | 194                     | 27                     |
| 2507-08004        | 00000/0000                   | 2-20026/1520                | 06/12/76         | 90             | 7064            | 4553N                                 | 03021E                                 | 57.2         | 123.8        | GGGG              |                     |                      | 194                     | 28                     |
| 2507-08011        | 00000/0000                   | 2-20026/1381                | 06/12/76         | 70             | 7064            | 4428N                                 | 02948E                                 | 57.7         | 121.4        | GGGG              |                     |                      | 194                     | 29                     |
| 2507-08013        | 00000/0000                   | 2-20026/1382                | 06/12/76         | 30             | 7064            | 4303N                                 | 02916E                                 | 58.1         | 118.9        | GGGG              |                     |                      | 194                     | 30                     |
| 2507-11163        | 00000/0000                   | 2-20026/1383                | 06/12/76         | 40             | 7066            | 7924N                                 | 02921E                                 | 33.2         | 200.5        | GGGG              |                     |                      | 230                     | 2                      |
| 2507-11165        | 00000/0000                   | 2-20026/1384                | 06/12/76         | 10             | 7066            | 7834N                                 | 02306E                                 | 34.4         | 193.8        | GGGG              |                     |                      | 230                     | 3                      |
| 2507-11172        | 00000/0000                   | 2-20026/1385                | 06/12/76         | 30             | 7066            | 7737N                                 | 01743E                                 | 35.5         | 188.1        | GGGG              |                     |                      | 230                     | 4                      |
| 2507-11174        | 00000/0000                   | 2-20026/1386                | 06/12/76         | 90             | 7066            | 7634N                                 | 01304E                                 | 36.6         | 183.0        | GGGG              |                     |                      | 230                     | 5                      |
| 2507-11181        | 00000/0000                   | 2-20026/1387                | 06/12/76         | 100            | 7066            | 7528N                                 | 00905E                                 | 37.7         | 178.6        | GGGG              |                     |                      | 230                     | 6                      |
| 2507-12592        | 00000/0000                   | 2-20026/1135                | 06/12/76         | 90             | 7067            | 8007N                                 | 01038E                                 | 32.1         | 208.0        | GGG               |                     |                      | 248                     | 1                      |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

 LANDSAT-2  
 OBSERVATION ID LISTING  
 FOR NON-US  
 FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2507-12594        | 00000/0000                   | 2-20026/1136                | 06/12/76         | 70             | 7067            | 7925N                                   | 00327E       | 33.2         | 200.4                              | GGGG                |                      | 248                     | 2                      |
| 2507-13001        | 00000/0000                   | 2-20026/1137                | 06/12/76         | 80             | 7067            | 7835N                                   | 00250W       | 34.4         | 193.8                              | GGGG                |                      | 248                     | 3                      |
| 2507-13003        | 00000/0000                   | 2-20026/1138                | 06/12/76         | 90             | 7067            | 7738N                                   | 00R15W       | 35.5         | 188.0                              | GGGG                |                      | 248                     | 4                      |
| 2507-14423        | 00000/0000                   | 2-20026/1139                | 06/12/76         | 40             | 7068            | 8007N                                   | 01507W       | 32.1         | 208.0                              | GGGG                |                      | 15                      | 1                      |
| 2507-14523        | 00000/0000                   | 2-20026/1348                | 06/12/76         | 90             | 7068            | 5005N                                   | 07106W       | 55.4         | 130.9                              | GGGG                |                      | 15                      | 25                     |
| 2507-14530        | 00000/0000                   | 2-20026/1349                | 06/12/76         | 70             | 7068            | 4840N                                   | 07144W       | 56.1         | 128.5                              | GGGG                |                      | 15                      | 26                     |
| 2507-16344        | 00000/0000                   | 2-20026/1350                | 06/12/76         | 90             | 7069            | 5358N                                   | 09500W       | 53.5         | 137.1                              | GGGG                |                      | 33                      | 22                     |
| 2507-16351        | 00000/0000                   | 2-20026/1351                | 06/12/76         | 90             | 7069            | 5234N                                   | 09544W       | 54.2         | 134.9                              | GGGG                |                      | 33                      | 23                     |
| 2507-16353        | 00000/0000                   | 2-20026/1352                | 06/12/76         | 90             | 7069            | 5110N                                   | 09625W       | 54.9         | 132.6                              | GGGG                |                      | 33                      | 24                     |
| 2507-18173        | 00000/0000                   | 2-20026/1485                | 06/12/76         | 90             | 7070            | 5542N                                   | 11948W       | 52.5         | 139.7                              | GGGG                |                      | 51                      | 21                     |
| 2507-18175        | 00000/0000                   | 2-20026/1486                | 06/12/76         | 90             | 7070            | 5418N                                   | 12036W       | 53.3         | 137.6                              | GGGG                |                      | 51                      | 22                     |
| 2507-18182        | 00000/0000                   | 2-20026/1487                | 06/12/76         | 80             | 7070            | 5254N                                   | 12121W       | 54.1         | 135.4                              | GGGG                |                      | 51                      | 23                     |
| 2507-18184        | 00000/0000                   | 2-20026/1488                | 06/12/76         | 90             | 7070            | 5130N                                   | 12203W       | 54.8         | 133.1                              | GGGG                |                      | 51                      | 24                     |
| 2507-23530        | 00000/0000                   | 2-20026/1140                | 06/12/76         | 20             | 7073            | 3255S                                   | 13706E       | 19.5         | 43.2                               | GGGG                |                      | 105                     | 83                     |
| 2507-23533        | 00000/0000                   | 2-20026/1141                | 06/12/76         | 80             | 7073            | 3421S                                   | 13640E       | 18.3         | 43.1                               | GGGG                |                      | 105                     | 84                     |
| 2508-01123        | 00000/0000                   | 2-20026/1142                | 06/13/76         | 30             | 7074            | 4841N                                   | 13321E       | 56.1         | 128.5                              | GGGG                |                      | 123                     | 26                     |
| 2508-01130        | 00000/0000                   | 2-20026/1143                | 06/13/76         | 30             | 7074            | 4717N                                   | 13245E       | 56.7         | 126.1                              | GGGG                |                      | 123                     | 27                     |
| 2508-01132        | 00000/0000                   | 2-20026/1144                | 06/13/76         | 80             | 7074            | 4553N                                   | 13211E       | 57.2         | 123.7                              | GGGG                |                      | 123                     | 28                     |
| 2508-01141        | 00000/0000                   | 2-20026/1145                | 06/13/76         | 90             | 7074            | 4303N                                   | 13106E       | 58.1         | 118.7                              | GGGG                |                      | 123                     | 30                     |
| 2508-01221        | 00000/0000                   | 2-20026/1146                | 06/13/76         | 10             | 7074            | 1543N                                   | 12313E       | 55.2         | 72.0                               | GGGG                |                      | 123                     | 49                     |
| 2508-01223        | 00000/0000                   | 2-20026/1147                | 06/13/76         | 10             | 7074            | 1426N                                   | 12252E       | 54.5         | 70.1                               | GGGG                |                      | 123                     | 50                     |
| 2508-01230        | 00000/0000                   | 2-20026/1148                | 06/13/76         | 10             | 7074            | 1259N                                   | 12232E       | 53.8         | 68.3                               | GGGG                |                      | 123                     | 51                     |
| 2508-01232        | 00000/0000                   | 2-20026/1149                | 06/13/76         | 10             | 7074            | 1134N                                   | 12212E       | 53.1         | 66.6                               | GGGG                |                      | 123                     | 52                     |
| 2508-01235        | 00000/0000                   | 2-20026/1150                | 06/13/76         | 10             | 7074            | 1007N                                   | 12152E       | 52.2         | 64.9                               | GGGG                |                      | 123                     | 53                     |
| 2508-01241        | 00000/0000                   | 2-20026/1151                | 06/13/76         | 10             | 7074            | 0840N                                   | 12132E       | 51.4         | 63.4                               | GGGG                |                      | 123                     | 54                     |
| 2508-01244        | 00000/0000                   | 2-20026/1152                | 06/13/76         | 10             | 7074            | 0713N                                   | 12112E       | 50.5         | 61.9                               | GGGG                |                      | 123                     | 55                     |
| 2508-02534        | 00000/0000                   | 2-20026/1388                | 06/13/76         | 80             | 7075            | 5543N                                   | 11105E       | 52.5         | 139.7                              | GGGG                |                      | 141                     | 21                     |
| 2508-02541        | 00000/0000                   | 2-20026/1389                | 06/13/76         | 90             | 7075            | 5420N                                   | 11017E       | 53.3         | 137.6                              | GGGG                |                      | 141                     | 22                     |
| 2508-02543        | 00000/0000                   | 2-20026/1390                | 06/13/76         | 90             | 7075            | 5257N                                   | 10933E       | 54.1         | 135.3                              | GGGG                |                      | 141                     | 23                     |
| 2508-02550        | 00000/0000                   | 2-20026/1391                | 06/13/76         | 90             | 7075            | 5132N                                   | 10851E       | 54.8         | 133.1                              | GGGG                |                      | 141                     | 24                     |
| 2508-02552        | 00000/0000                   | 2-20026/1392                | 06/13/76         | 100            | 7075            | 5007N                                   | 10810E       | 55.5         | 130.8                              | GGGG                |                      | 141                     | 25                     |
| 2508-02593        | 00000/0000                   | 2-20026/1393                | 06/13/76         | 50             | 7075            | 3556N                                   | 10250E       | 59.5         | 105.7                              | GGGG                |                      | 141                     | 35                     |
| 2508-03000        | 00000/0000                   | 2-20026/1394                | 06/13/76         | 70             | 7075            | 3430N                                   | 10224E       | 59.5         | 103.0                              | GGGG                |                      | 141                     | 36                     |
| 2508-03002        | 00000/0000                   | 2-20026/1395                | 06/13/76         | 90             | 7075            | 3305N                                   | 10158E       | 59.6         | 100.4                              | GGGG                |                      | 141                     | 37                     |
| 2508-04361        | 00000/0000                   | 2-20026/1398                | 06/13/76         | 10             | 7076            | 5829N                                   | 08658E       | 50.9         | 144.0                              | GGGG                |                      | 159                     | 19                     |
| 2508-04364        | 00000/0000                   | 2-20026/1399                | 06/13/76         | 60             | 7076            | 5706N                                   | 08604E       | 51.7         | 141.9                              | GGGG                |                      | 159                     | 20                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLCUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>REV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2508-04370        | 00000/0000                   | 2-20024/1400                | 06/13/76         | 70             | 7076             | 5543N                        | 08514E        | 52.5         | 139.7        | GGGG                  |                     |                      | 159                     | 21                     |
| 2508-04373        | 00000/0000                   | 2-20024/1401                | 06/13/76         | 10             | 7076             | 5419N                        | 08426E        | 53.3         | 137.5        | GGGG                  |                     |                      | 159                     | 22                     |
| 2508-04375        | 00000/0000                   | 2-20024/1402                | 06/13/76         | 0              | 7076             | 5254N                        | 08342E        | 54.1         | 135.3        | GGGG                  |                     |                      | 159                     | 23                     |
| 2508-04382        | 00000/0000                   | 2-20024/1403                | 06/13/76         | 10             | 7076             | 5130N                        | 08259E        | 54.8         | 133.1        | GGGG                  |                     |                      | 159                     | 24                     |
| 2508-04384        | 00000/0000                   | 2-20024/1404                | 06/13/76         | 10             | 7076             | 5076N                        | 08219E        | 55.5         | 130.8        | GGGG                  |                     |                      | 159                     | 25                     |
| 2508-04391        | 00000/0000                   | 2-20024/1405                | 06/13/76         | 0              | 7076             | 4841N                        | 08141E        | 56.1         | 128.5        | GGGG                  |                     |                      | 159                     | 26                     |
| 2508-04393        | 00000/0000                   | 2-20024/1406                | 06/13/76         | 10             | 7076             | 4717N                        | 08104E        | 56.7         | 126.1        | FGFG                  |                     |                      | 159                     | 27                     |
| 2508-04400        | 00000/0000                   | 2-20024/1407                | 06/13/76         | 20             | 7076             | 4552N                        | 08030E        | 57.2         | 123.7        | FGGG                  |                     |                      | 159                     | 28                     |
| 2508-04402        | 00000/0000                   | 2-20024/1408                | 06/13/76         | 40             | 7076             | 4427N                        | 07956E        | 57.7         | 121.2        | GGGG                  |                     |                      | 159                     | 29                     |
| 2508-04405        | 00000/0000                   | 2-20024/1409                | 06/13/76         | 10             | 7076             | 4301N                        | 07924E        | 58.1         | 118.7        | GGGG                  |                     |                      | 159                     | 30                     |
| 2508-04411        | 00000/0000                   | 2-20024/1410                | 06/13/76         | 10             | 7076             | 4136N                        | 07853E        | 58.5         | 116.2        | GGGG                  |                     |                      | 159                     | 31                     |
| 2508-04414        | 00000/0000                   | 2-20024/1411                | 06/13/76         | 10             | 7076             | 4012N                        | 07824E        | 58.8         | 113.6        | GGGG                  |                     |                      | 159                     | 32                     |
| 2508-04420        | 00000/0000                   | 2-20024/1412                | 06/13/76         | 10             | 7076             | 3846N                        | 07755E        | 59.1         | 111.0        | FGGG                  |                     |                      | 159                     | 33                     |
| 2508-04423        | 00000/0000                   | 2-20024/1413                | 06/13/76         | 10             | 7076             | 3720N                        | 07727E        | 59.3         | 108.3        | FGGG                  |                     |                      | 159                     | 34                     |
| 2508-04425        | 00000/0000                   | 2-20024/1414                | 06/13/76         | 10             | 7076             | 3555N                        | 07700E        | 59.5         | 105.7        | GGGG                  |                     |                      | 159                     | 35                     |
| 2508-04432        | 00000/0000                   | 2-20024/1415                | 06/13/76         | 10             | 7076             | 3430N                        | 07634E        | 59.5         | 103.0        | GGGG                  |                     |                      | 159                     | 36                     |
| 2508-04434        | 00000/0000                   | 2-20024/1416                | 06/13/76         | 10             | 7076             | 3303N                        | 07608E        | 59.6         | 100.3        | GGGG                  |                     |                      | 159                     | 37                     |
| 2508-06190        | 00000/0000                   | 2-20024/1440                | 06/13/76         | 50             | 7077             | 5952N                        | 06208E        | 50.0         | 146.1        | GGGG                  |                     |                      | 177                     | 18                     |
| 2508-06193        | 00000/0000                   | 2-20024/1441                | 06/13/76         | 50             | 7077             | 5830N                        | 06110E        | 50.9         | 144.0        | GGGG                  |                     |                      | 177                     | 19                     |
| 2508-06204        | 00000/0000                   | 2-20024/1442                | 06/13/76         | 60             | 7077             | 5419N                        | 05839E        | 53.3         | 137.5        | FGGG                  |                     |                      | 177                     | 22                     |
| 2508-06211        | 00000/0000                   | 2-20024/1443                | 06/13/76         | 60             | 7077             | 5255N                        | 05754E        | 54.1         | 135.3        | FGGG                  |                     |                      | 177                     | 23                     |
| 2508-06213        | 00000/0000                   | 2-20024/1444                | 06/13/76         | 70             | 7077             | 5131N                        | 05712E        | 54.8         | 133.1        | GGGG                  |                     |                      | 177                     | 24                     |
| 2508-06220        | 00000/0000                   | 2-20024/1445                | 06/13/76         | 80             | 7077             | 5006N                        | 05632E        | 55.5         | 130.8        | GGGG                  |                     |                      | 177                     | 25                     |
| 2508-06222        | 00000/0000                   | 2-20024/1446                | 06/13/76         | 60             | 7077             | 4841N                        | 05554E        | 56.1         | 128.5        | GGGG                  |                     |                      | 177                     | 26                     |
| 2508-06225        | 00000/0000                   | 2-20024/1447                | 06/13/76         | 90             | 7077             | 4717N                        | 05518E        | 56.7         | 126.1        | GGGG                  |                     |                      | 177                     | 27                     |
| 2508-06252        | 00000/0000                   | 2-20024/1448                | 06/13/76         | 80             | 7077             | 3846N                        | 05208E        | 59.1         | 110.9        | GGGG                  |                     |                      | 177                     | 33                     |
| 2508-06254        | 00000/0000                   | 2-20024/1449                | 06/13/76         | 90             | 7077             | 3720N                        | 05140E        | 59.3         | 108.3        | GGGG                  |                     |                      | 177                     | 34                     |
| 2508-06261        | 00000/0000                   | 2-20024/1450                | 06/13/76         | 40             | 7077             | 3555N                        | 05113E        | 59.5         | 105.6        | GGGG                  |                     |                      | 177                     | 35                     |
| 2508-06263        | 00000/0000                   | 2-20024/1451                | 06/13/76         | 0              | 7077             | 3429N                        | 05046E        | 59.5         | 103.0        | GGGG                  |                     |                      | 177                     | 36                     |
| 2508-06270        | 00000/0000                   | 2-20024/1452                | 06/13/76         | 0              | 7077             | 3304N                        | 05020E        | 59.6         | 100.3        | GGGG                  |                     |                      | 177                     | 37                     |
| 2508-06272        | 00000/0000                   | 2-20024/1453                | 06/13/76         | 0              | 7077             | 3138N                        | 04955E        | 59.5         | 97.7         | GGGG                  |                     |                      | 177                     | 38                     |
| 2508-06275        | 00000/0000                   | 2-20024/1454                | 06/13/76         | 0              | 7077             | 3012N                        | 04931E        | 59.4         | 95.1         | FGGG                  |                     |                      | 177                     | 39                     |
| 2508-06281        | 00000/0000                   | 2-20024/1455                | 06/13/76         | 0              | 7077             | 2846N                        | 04907E        | 59.3         | 92.5         | FFFG                  |                     |                      | 177                     | 40                     |
| 2508-08010        | 00000/0000                   | 2-20024/1418                | 06/13/76         | 90             | 7078             | 6358N                        | 03940E        | 47.2         | 152.6        | GGGG                  |                     |                      | 195                     | 15                     |
| 2508-08013        | 00000/0000                   | 2-20024/1419                | 06/13/76         | 90             | 7078             | 6236N                        | 03827E        | 48.2         | 150.4        | GGFG                  |                     |                      | 195                     | 16                     |
| 2508-08015        | 00000/0000                   | 2-20024/1420                | 06/13/76         | 90             | 7078             | 6115N                        | 03720E        | 49.1         | 148.3        | GGGG                  |                     |                      | 195                     | 17                     |

KEYS: CLCUD COVER \* ..... G TO 100 \* % CLCUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 029A

| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                                                |                  |                |                        |                                    |              |              | 123 45678         |                     |                      |                         |                        |
| 2508-08022        | 00000/0000                                     | 2-20026/1421     | 06/13/76       | 90                     | 7078                               | 5952N        | 03618E       | 50.0              | 146.1               | GGGG                 |                         |                        |
| 2508-08024        | 00000/0000                                     | 2-20026/1422     | 06/13/76       | 90                     | 7078                               | 5829N        | 03520E       | 50.9              | 144.0               | GGGG                 | 195                     | 18                     |
| 2508-08031        | 00000/0000                                     | 2-20026/1423     | 06/13/76       | 90                     | 7078                               | 5775N        | 03426E       | 51.7              | 141.8               | GGGG                 | 195                     | 19                     |
| 2508-08033        | 00000/0000                                     | 2-20026/1424     | 06/13/76       | 80                     | 7078                               | 5542N        | 03336E       | 52.5              | 139.7               | GGGG                 | 195                     | 20                     |
| 2508-08040        | 00000/0000                                     | 2-20026/1425     | 06/13/76       | 80                     | 7078                               | 5418N        | 03249E       | 53.3              | 137.5               | GGGG                 | 195                     | 21                     |
| 2508-08042        | 00000/0000                                     | 2-20026/1426     | 06/13/76       | 80                     | 7078                               | 5255N        | 03205E       | 54.1              | 135.3               | GGGG                 | 195                     | 22                     |
| 2508-08045        | 00000/0000                                     | 2-20026/1427     | 06/13/76       | 70                     | 7078                               | 5130N        | 03123E       | 54.8              | 133.1               | GGGG                 | 195                     | 23                     |
| 2508-08051        | 00000/0000                                     | 2-20026/1428     | 06/13/76       | 50                     | 7078                               | 5006N        | 03042E       | 55.5              | 130.8               | GGGG                 | 195                     | 24                     |
| 2508-08054        | 00000/0000                                     | 2-20026/1429     | 06/13/76       | 60                     | 7078                               | 4841N        | 03004E       | 56.1              | 128.4               | GGGG                 | 195                     | 25                     |
| 2508-08060        | 00000/0000                                     | 2-20026/1430     | 06/13/76       | 40                     | 7078                               | 4717N        | 02927E       | 56.7              | 126.1               | GGGG                 | 195                     | 26                     |
| 2508-08063        | 00000/0000                                     | 2-20026/1431     | 06/13/76       | 10                     | 7078                               | 4551N        | 02853E       | 57.2              | 123.7               | GGGG                 | 195                     | 27                     |
| 2508-08065        | 00000/0000                                     | 2-20026/1432     | 06/13/76       | 10                     | 7078                               | 4426N        | 02819E       | 57.7              | 121.2               | GGGG                 | 195                     | 28                     |
| 2508-11221        | 00000/0000                                     | 2-20026/1433     | 06/13/76       | 60                     | 7080                               | 7924N        | 02744E       | 33.3              | 200.3               | GGGG                 | 231                     | 29                     |
| 2508-11223        | 00000/0000                                     | 2-20026/1434     | 06/13/76       | 60                     | 7080                               | 7834N        | 02128E       | 34.4              | 193.7               | GGGG                 | 231                     | 2                      |
| 2508-11230        | 00000/0000                                     | 2-20026/1435     | 06/13/76       | 60                     | 7080                               | 7737N        | 01604E       | 35.6              | 187.9               | GGGG                 | 231                     | 3                      |
| 2508-11232        | 00000/0000                                     | 2-20026/1436     | 06/13/76       | 100                    | 7080                               | 7634N        | 01124E       | 36.7              | 182.8               | GGGG                 | 231                     | 4                      |
| 2508-11235        | 00000/0000                                     | 2-20026/1437     | 06/13/76       | 100                    | 7080                               | 7528N        | 00725E       | 37.8              | 178.4               | GGGG                 | 231                     | 5                      |
| 2508-13050        | 00000/0000                                     | 2-20026/1438     | 06/13/76       | 90                     | 7081                               | 8006N        | 00908E       | 32.1              | 207.8               | GGGG                 | 231                     | 6                      |
| 2508-13053        | 00000/0000                                     | 2-20026/1439     | 06/13/76       | 100                    | 7081                               | 7924N        | 00153E       | 33.3              | 200.3               | GGGG                 | 249                     | 1                      |
| 2508-13055        | 00000/0000                                     | 2-20026/1567     | 06/13/76       | 100                    | 7081                               | 7833N        | 00422W       | 34.4              | 193.6               | GGGG                 | 249                     | 2                      |
| 2508-13062        | 00000/0000                                     | 2-20026/1588     | 06/13/76       | 50                     | 7081                               | 7736N        | 00944W       | 35.6              | 187.9               | GGGG                 | 249                     | 3                      |
| 2508-13421        | 00000/0000                                     | 2-20026/1589     | 06/13/76       | 60                     | 7081                               | 4256S        | 07246W       | 10.8              | 43.4                | GGGG                 | 249                     | 4                      |
| 2508-14482        | 00000/0000                                     | 2-20026/1590     | 06/13/76       | 70                     | 7082                               | 8006N        | 01642W       | 32.1              | 207.3               | GGGG                 | 16                      | 90                     |
| 2508-14484        | 00000/0000                                     | 2-20026/1456     | 06/13/76       | 40                     | 7082                               | 7924N        | 02352W       | 33.3              | 200.2               | GGGG                 | 16                      | 1                      |
| 2508-14491        | 00000/0000                                     | 2-20026/1457     | 06/13/76       | 10                     | 7082                               | 7833N        | 03008W       | 34.4              | 193.6               | GGGG                 | 16                      | 2                      |
| 2508-14493        | 00000/0000                                     | 2-20026/1458     | 06/13/76       | 0                      | 7082                               | 7736N        | 03532W       | 35.6              | 187.8               | GGGG                 | 16                      | 3                      |
| 2508-14500        | 00000/0000                                     | 2-20026/1459     | 06/13/76       | 10                     | 7082                               | 7634N        | 04010W       | 36.7              | 182.8               | GGGG                 | 16                      | 4                      |
| 2508-14582        | 00000/0000                                     | 2-20026/1484     | 06/13/76       | 90                     | 7082                               | 5005N        | 07232W       | 55.5              | 130.7               | GGGG                 | 16                      | 5                      |
| 2508-16411        | 00000/0000                                     | 2-20026/1316     | 06/13/76       | 90                     | 7083                               | 5129N        | 09741W       | 54.8              | 133.0               | GGGG                 | 16                      | 25                     |
| 2508-18222        | 00000/0000                                     | 2-20026/1489     | 06/13/76       | 30                     | 7084                               | 5827N        | 11932W       | 50.9              | 143.9               | G                    | 34                      | 24                     |
| 2508-18224        | 00000/0000                                     | 2-20026/1490     | 06/13/76       | 30                     | 7084                               | 5704N        | 12025W       | 51.7              | 141.7               | GGGG                 | 52                      | 19                     |
| 2508-18231        | 00000/0000                                     | 2-20026/1491     | 06/13/76       | 30                     | 7084                               | 5541N        | 12116W       | 52.6              | 139.6               | GGGG                 | 52                      | 20                     |
| 2508-18233        | 00000/0000                                     | 2-20026/1492     | 06/13/76       | 20                     | 7084                               | 5417N        | 12204W       | 53.4              | 137.4               | GGGG                 | 52                      | 21                     |
| 2508-18240        | 00000/0000                                     | 2-20026/1493     | 06/13/76       | 20                     | 7084                               | 5252N        | 12249W       | 54.1              | 135.2               | GGGG                 | 52                      | 22                     |
| 2508-18242        | 00000/0000                                     | 2-20026/1494     | 06/13/76       | 10                     | 7084                               | 5128N        | 12331W       | 54.8              | 133.0               | GGGG                 | 52                      | 23                     |
| 2508-23585        | 00000/0000                                     | 2-20026/1460     | 06/13/76       | 60                     | 7087                               | 3259S        | 13539E       | 19.5              | 43.2                | GGGG                 | 106                     | 83                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2508-23591        | 00000/0000                                     | 2-20026/1461     | 06/13/76       | 90                     | 7087                               | 3424S                               | 13513E       | 18.2         | 43.1                  | GGGG                |                      | 106                     | 84                     |
| 2509-01182        | 00000/0000                                     | 2-20026/1462     | 06/14/76       | 20                     | 7088                               | 4841N                               | 13156E       | 56.1         | 128.3                 | GGGG                |                      | 124                     | 26                     |
| 2509-01184        | 00000/0000                                     | 2-20026/1463     | 06/14/76       | 30                     | 7088                               | 4716N                               | 13119E       | 56.7         | 126.0                 | GGGG                |                      | 124                     | 27                     |
| 2509-01191        | 00000/0000                                     | 2-20026/1464     | 06/14/76       | 80                     | 7088                               | 4551N                               | 13045E       | 57.2         | 123.5                 | GGGG                |                      | 124                     | 28                     |
| 2509-01193        | 00000/0000                                     | 2-20026/1465     | 06/14/76       | 90                     | 7088                               | 4426N                               | 13012E       | 57.7         | 121.1                 | GGGG                |                      | 124                     | 29                     |
| 2509-01200        | 00000/0000                                     | 2-20026/1466     | 06/14/76       | 90                     | 7088                               | 4302N                               | 12940E       | 58.1         | 118.6                 | GGGG                |                      | 124                     | 30                     |
| 2509-01202        | 00000/0000                                     | 2-20026/1467     | 06/14/76       | 90                     | 7088                               | 4137N                               | 12910E       | 58.5         | 116.0                 | GGGG                |                      | 124                     | 31                     |
| 2509-01275        | 00000/0000                                     | 2-20026/1468     | 06/14/76       | 20                     | 7088                               | 1550N                               | 12146E       | 55.2         | 71.9                  | FFGG                |                      | 124                     | 49                     |
| 2509-01282        | 00000/0000                                     | 2-20026/1469     | 06/14/76       | 40                     | 7088                               | 1424N                               | 12124E       | 54.5         | 70.0                  | FFGG                |                      | 124                     | 50                     |
| 2509-01284        | 00000/0000                                     | 2-20026/1470     | 06/14/76       | 50                     | 7088                               | 1258N                               | 12104E       | 53.7         | 68.2                  | FFGG                |                      | 124                     | 51                     |
| 2509-01291        | 00000/0000                                     | 2-20026/1471     | 06/14/76       | 80                     | 7088                               | 1130N                               | 12044E       | 53.0         | 66.5                  | FFGG                |                      | 124                     | 52                     |
| 2509-01293        | 00000/0000                                     | 2-20026/1472     | 06/14/76       | 80                     | 7088                               | 1004N                               | 12024E       | 52.2         | 64.8                  | GGGG                |                      | 124                     | 53                     |
| 2509-01300        | 00000/0000                                     | 2-20026/1473     | 06/14/76       | 80                     | 7088                               | 0839N                               | 12005E       | 51.3         | 63.3                  | GGGG                |                      | 124                     | 54                     |
| 2509-01302        | 00000/0000                                     | 2-20026/1474     | 06/14/76       | 70                     | 7088                               | 0713N                               | 11945E       | 50.5         | 61.8                  | GGGG                |                      | 124                     | 55                     |
| 2509-02595        | 00000/0000                                     | 2-20026/1591     | 06/14/76       | 50                     | 7089                               | 5417N                               | 10849E       | 53.3         | 137.4                 | GGGG                |                      | 142                     | 22                     |
| 2509-03002        | 00000/0000                                     | 2-20026/1592     | 06/14/76       | 60                     | 7089                               | 5253N                               | 10805E       | 54.1         | 135.2                 | GGGG                |                      | 142                     | 23                     |
| 2509-03004        | 00000/0000                                     | 2-20026/1593     | 06/14/76       | 60                     | 7089                               | 5130N                               | 10723E       | 54.8         | 132.9                 | GGGG                |                      | 142                     | 24                     |
| 2509-03011        | 00000/0000                                     | 2-20026/1594     | 06/14/76       | 60                     | 7089                               | 5006N                               | 10643E       | 55.5         | 130.6                 | FFGG                |                      | 142                     | 25                     |
| 2509-03045        | 00000/0000                                     | 2-20026/1595     | 06/14/76       | 40                     | 7089                               | 3719N                               | 10150E       | 59.3         | 108.1                 | GGGG                |                      | 142                     | 34                     |
| 2509-03052        | 00000/0000                                     | 2-20026/1596     | 06/14/76       | 30                     | 7089                               | 3554N                               | 10123E       | 59.4         | 105.5                 | GGGG                |                      | 142                     | 35                     |
| 2509-03054        | 00000/0000                                     | 2-20026/1597     | 06/14/76       | 60                     | 7089                               | 3428N                               | 10057E       | 59.5         | 102.8                 | GGGG                |                      | 142                     | 36                     |
| 2509-03061        | 00000/0000                                     | 2-20026/1598     | 06/14/76       | 70                     | 7089                               | 3303N                               | 10031E       | 59.5         | 100.2                 | GGGG                |                      | 142                     | 37                     |
| 2509-04415        | 00000/0000                                     | 2-20026/1599     | 06/14/76       | 10                     | 7090                               | 5828N                               | 08531E       | 50.9         | 143.9                 | GGG                 |                      | 160                     | 19                     |
| 2509-04422        | 00000/0000                                     | 2-20026/1600     | 06/14/76       | 0                      | 7090                               | 5705N                               | 08437E       | 51.8         | 141.7                 | GGGG                |                      | 160                     | 20                     |
| 2509-04424        | 00000/0000                                     | 2-20026/1601     | 06/14/76       | 0                      | 7090                               | 5541N                               | 08348E       | 52.6         | 139.6                 | GGGG                |                      | 160                     | 21                     |
| 2509-04431        | 00000/0000                                     | 2-20026/1602     | 06/14/76       | 0                      | 7090                               | 5417N                               | 08301E       | 53.4         | 137.4                 | GGGG                |                      | 160                     | 22                     |
| 2509-04433        | 00000/0000                                     | 2-20026/1603     | 06/14/76       | 0                      | 7090                               | 5253N                               | 08217E       | 54.1         | 135.2                 | GGGG                |                      | 160                     | 23                     |
| 2509-04440        | 00000/0000                                     | 2-20026/1604     | 06/14/76       | 0                      | 7090                               | 5129N                               | 08134E       | 54.8         | 132.9                 | GGGG                |                      | 160                     | 24                     |
| 2509-04442        | 00000/0000                                     | 2-20026/1605     | 06/14/76       | 0                      | 7090                               | 5005N                               | 08054E       | 55.5         | 130.6                 | GGGG                |                      | 160                     | 25                     |
| 2509-04445        | 00000/0000                                     | 2-20026/1606     | 06/14/76       | 0                      | 7090                               | 4840N                               | 08016E       | 56.1         | 128.3                 | GGGG                |                      | 160                     | 26                     |
| 2509-04451        | 00000/0000                                     | 2-20026/1607     | 06/14/76       | 0                      | 7090                               | 4715N                               | 07939E       | 56.7         | 125.9                 | GGGG                |                      | 160                     | 27                     |
| 2509-04454        | 00000/0000                                     | 2-20026/1608     | 06/14/76       | 10                     | 7090                               | 4550N                               | 07905E       | 57.2         | 123.5                 | GGGG                |                      | 160                     | 28                     |
| 2509-04460        | 00000/0000                                     | 2-20026/1609     | 06/14/76       | 10                     | 7090                               | 4426N                               | 07832E       | 57.7         | 121.0                 | GGGG                |                      | 160                     | 29                     |
| 2509-04463        | 00000/0000                                     | 2-20026/1610     | 06/14/76       | 10                     | 7090                               | 4301N                               | 07800E       | 58.1         | 118.5                 | GGGG                |                      | 160                     | 30                     |
| 2509-04472        | 00000/0000                                     | 2-20026/1611     | 06/14/76       | 10                     | 7090                               | 4010N                               | 07659E       | 58.8         | 113.4                 | GGGG                |                      | 160                     | 32                     |
| 2509-04474        | 00000/0000                                     | 2-20026/1612     | 06/14/76       | 20                     | 7090                               | 3845N                               | 07630E       | 59.1         | 110.8                 | GGGG                |                      | 160                     | 33                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2509-04481        | 00000/0000                   | 2-20026/1613                | 06/14/76         | 20             | 7090                   | 3719N 07602E                            | 59.3         | 108.1        | GGGG                               |                     |                      | 160                     | 34                     |
| 2509-04483        | 00000/0000                   | 2-20026/1614                | 06/14/76         | 10             | 7090                   | 3554N 07535E                            | 59.4         | 105.5        | GGGF                               |                     |                      | 160                     | 35                     |
| 2509-04490        | 00000/0000                   | 2-20026/1615                | 06/14/76         | 10             | 7090                   | 3428N 07508E                            | 59.5         | 102.8        | GGGG                               |                     |                      | 160                     | 36                     |
| 2509-04492        | 00000/0000                   | 2-20026/1616                | 06/14/76         | 60             | 7090                   | 3302N 07443E                            | 59.5         | 100.2        | GGGG                               |                     |                      | 160                     | 37                     |
| 2509-06244        | 00000/0000                   | 2-20026/1521                | 06/14/76         | 60             | 7091                   | 5900N 06040E                            | 50.0         | 146.0        | GGGG                               |                     |                      | 178                     | 18                     |
| 2509-06251        | 00000/0000                   | 2-20026/1522                | 06/14/76         | 70             | 7091                   | 5827N 05943E                            | 50.9         | 143.8        | FGGG                               |                     |                      | 178                     | 19                     |
| 2509-06253        | 00000/0000                   | 2-20026/1523                | 06/14/76         | 70             | 7091                   | 5705N 05849E                            | 51.8         | 141.7        | GGGG                               |                     |                      | 178                     | 20                     |
| 2509-06260        | 00000/0000                   | 2-20026/1630                | 06/14/76         | 30             | 7091                   | 5541N 05758E                            | 52.6         | 139.5        | GGGG                               |                     |                      | 178                     | 21                     |
| 2509-06262        | 00000/0000                   | 2-20026/1631                | 06/14/76         | 30             | 7091                   | 5417N 05711E                            | 53.4         | 137.4        | GGGG                               |                     |                      | 178                     | 22                     |
| 2509-06265        | 00000/0000                   | 2-20027/0174                | 06/14/76         | 60             | 7091                   | 5253N 05627E                            | 54.1         | 135.2        | GGGG                               |                     |                      | 178                     | 23                     |
| 2509-06271        | 00000/0000                   | 2-20027/0175                | 06/14/76         | 30             | 7091                   | 5129N 05544E                            | 54.8         | 132.9        | GGGG                               |                     |                      | 178                     | 24                     |
| 2509-06274        | 00000/0000                   | 2-20027/0176                | 06/14/76         | 60             | 7091                   | 5004N 05504E                            | 55.5         | 130.6        | GGGG                               |                     |                      | 178                     | 25                     |
| 2509-06280        | 00000/0000                   | 2-20027/0177                | 06/14/76         | 60             | 7091                   | 4840N 05426E                            | 56.1         | 128.3        | FGGG                               |                     |                      | 178                     | 26                     |
| 2509-06303        | 00000/0000                   | 2-20027/0178                | 06/14/76         | 10             | 7091                   | 4010N 05110E                            | 58.8         | 113.4        | FFLL                               |                     |                      | 178                     | 32                     |
| 2509-06310        | 00000/0000                   | 2-20027/0179                | 06/14/76         | 10             | 7091                   | 3845N 05041E                            | 59.1         | 110.7        | FFGG                               |                     |                      | 178                     | 33                     |
| 2509-06312        | 00000/0000                   | 2-20027/0180                | 06/14/76         | 50             | 7091                   | 3719N 05013E                            | 59.3         | 108.1        | GGGG                               |                     |                      | 178                     | 34                     |
| 2509-06315        | 00000/0000                   | 2-20027/0181                | 06/14/76         | 10             | 7091                   | 3554N 04945E                            | 59.4         | 105.5        | GGGG                               |                     |                      | 178                     | 35                     |
| 2509-06424        | 00000/0000                   | 2-20027/0182                | 06/14/76         | 60             | 7091                   | 0125S 04017E                            | 44.7         | 54.5         | GGGG                               |                     |                      | 178                     | 61                     |
| 2509-06442        | 00000/0000                   | 2-20027/0183                | 06/14/76         | 90             | 7091                   | 0711S 03857E                            | 40.5         | 50.8         | GGGG                               |                     |                      | 178                     | 65                     |
| 2509-06444        | 00000/0000                   | 2-20027/0184                | 06/14/76         | 90             | 7091                   | 0837S 03837E                            | 39.4         | 50.1         | GGGG                               |                     |                      | 178                     | 66                     |
| 2509-08065        | 00000/0000                   | 2-20027/0185                | 06/14/76         | 90             | 7092                   | 6356N 03815E                            | 47.3         | 152.5        | GGGG                               |                     |                      | 196                     | 15                     |
| 2509-08071        | 00000/0000                   | 2-20027/0186                | 06/14/76         | 90             | 7092                   | 6225N 03702E                            | 48.2         | 150.3        | GGGG                               |                     |                      | 196                     | 16                     |
| 2509-08074        | 00000/0000                   | 2-20027/0187                | 06/14/76         | 70             | 7092                   | 6113N 03555E                            | 49.1         | 148.1        | GGGG                               |                     |                      | 196                     | 17                     |
| 2509-08080        | 00000/0000                   | 2-20027/0188                | 06/14/76         | 90             | 7092                   | 5950N 03453E                            | 50.0         | 146.0        | GGGG                               |                     |                      | 196                     | 18                     |
| 2509-08083        | 00000/0000                   | 2-20027/0189                | 06/14/76         | 90             | 7092                   | 5827N 03356E                            | 50.9         | 143.8        | GGGG                               |                     |                      | 196                     | 19                     |
| 2509-08085        | 00000/0000                   | 2-20027/0190                | 06/14/76         | 90             | 7092                   | 5704N 03302E                            | 51.8         | 141.7        | GGGG                               |                     |                      | 196                     | 20                     |
| 2509-08092        | 00000/0000                   | 2-20027/0191                | 06/14/76         | 70             | 7092                   | 5541N 03212E                            | 52.6         | 139.5        | GGGG                               |                     |                      | 196                     | 21                     |
| 2509-08094        | 00000/0000                   | 2-20027/0192                | 06/14/76         | 40             | 7092                   | 5417N 03124E                            | 53.4         | 137.3        | GGGG                               |                     |                      | 196                     | 22                     |
| 2509-08101        | 00000/0000                   | 2-20027/0193                | 06/14/76         | 60             | 7092                   | 5253N 03040E                            | 54.1         | 135.1        | GGGG                               |                     |                      | 196                     | 23                     |
| 2509-08103        | 00000/0000                   | 2-20027/0194                | 06/14/76         | 90             | 7092                   | 5129N 02957E                            | 54.8         | 132.9        | FGGG                               |                     |                      | 196                     | 24                     |
| 2509-08110        | 00000/0000                   | 2-20027/0195                | 06/14/76         | 90             | 7092                   | 5004N 02916E                            | 55.5         | 130.6        | GGGG                               |                     |                      | 196                     | 25                     |
| 2509-08112        | 00000/0000                   | 2-20027/0196                | 06/14/76         | 90             | 7092                   | 4839N 02838E                            | 56.1         | 128.3        | GGGG                               |                     |                      | 196                     | 26                     |
| 2509-08115        | 00000/0000                   | 2-20027/0197                | 06/14/76         | 90             | 7092                   | 4715N 02802E                            | 56.7         | 125.9        | GGGG                               |                     |                      | 196                     | 27                     |
| 2509-08121        | 00000/0000                   | 2-20027/0198                | 06/14/76         | 90             | 7092                   | 4550N 02727E                            | 57.2         | 123.5        | FGFG                               |                     |                      | 196                     | 28                     |
| 2509-08124        | 00000/0000                   | 2-20027/0199                | 06/14/76         | 80             | 7092                   | 4425N 02654E                            | 57.7         | 121.0        | FFFF                               |                     |                      | 196                     | 29                     |
| 2509-11555        | 00000/0000                   | 2-20026/1617                | 06/14/76         | 70             | 7094                   | 1244S 03949W                            | 36.0         | 48.0         | GGGG                               |                     |                      | 232                     | 69                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, SAND NOT AVAILABLE, G=GOOD, F=FAIR,  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANOSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2509-13325        | 00000/0000                                     | 2-20026/1618     | 06/14/76       | 90              | 7095                               | 0839N                               | 06038W       | 51.3         | 63.3              | FFFF                |                      | 250                     | 54                     |
| 2509-13331        | 00000/0000                                     | 2-20026/1619     | 06/14/76       | 90              | 7095                               | 0714N                               | 06058W       | 50.4         | 61.8              | GGGG                |                      | 250                     | 55                     |
| 2509-13334        | 00000/0000                                     | 2-20026/1570     | 06/14/76       | 70              | 7095                               | 0548N                               | 06118W       | 49.5         | 60.4              | GGGG                |                      | 250                     | 56                     |
| 2509-13361        | 00000/0000                                     | 2-20026/1571     | 06/14/76       | 60              | 7095                               | 0251S                               | 06317W       | 43.7         | 53.5              | GGGG                |                      | 250                     | 62                     |
| 2509-14563        | 00000/0000                                     | 2-20026/1572     | 06/14/76       | 100             | 7096                               | 7417N                               | 04857W       | 39.0         | 174.4             | GGGG                |                      | 17                      | 7                      |
| 2509-14565        | 00000/0000                                     | 2-20026/1573     | 06/14/76       | 90              | 7096                               | 7304N                               | 05155W       | 40.0         | 170.9             | GGGG                |                      | 17                      | 8                      |
| 2509-15033        | 00000/0000                                     | 2-20026/1585     | 06/14/76       | 20              | 7096                               | 5130N                               | 07318W       | 54.8         | 132.9             | GGG                 |                      | 17                      | 24                     |
| 2509-15040        | 00000/0000                                     | 2-20026/1586     | 06/14/76       | 10              | 7096                               | 5006N                               | 07359W       | 55.5         | 130.6             | GGG                 |                      | 17                      | 25                     |
| 2509-16371        | 00000/0000                                     | 2-20026/1574     | 06/14/76       | 100             | 7097                               | 8008N                               | 04400W       | 32.2         | 207.8             | GGGG                |                      | 35                      | 1                      |
| 2509-16462        | 00000/0000                                     | 2-20026/1651     | 06/14/76       | 100             | 7097                               | 5255N                               | 09826W       | 54.1         | 135.1             | GGG                 |                      | 35                      | 23                     |
| 2509-16465        | 00000/0000                                     | 2-20026/1652     | 06/14/76       | 90              | 7097                               | 5130N                               | 09908W       | 54.8         | 132.9             | GGGG                |                      | 35                      | 24                     |
| 2509-20062        | 00000/0000                                     | 2-20026/1683     | 06/14/76       | 50              | 7099                               | 7419N                               | 12624W       | 39.0         | 174.4             | GGG                 |                      | 71                      | 7                      |
| 2509-20064        | 00000/0000                                     | 2-20026/1684     | 06/14/76       | 60              | 7099                               | 7306N                               | 12921W       | 40.1         | 170.9             | GGG                 |                      | 71                      | 8                      |
| 2509-20071        | 00000/0000                                     | 2-20026/1685     | 06/14/76       | 10              | 7099                               | 7151N                               | 13156W       | 41.1         | 167.7             | GGGG                |                      | 71                      | 9                      |
| 2509-20073        | 00000/0000                                     | 2-20026/1686     | 06/14/76       | 10              | 7099                               | 7035N                               | 13412W       | 42.2         | 164.7             | GGFG                |                      | 71                      | 10                     |
| 2509-20080        | 00000/0000                                     | 2-20026/1687     | 06/14/76       | 40              | 7099                               | 6918N                               | 13613W       | 43.3         | 162.0             | GGGG                |                      | 71                      | 11                     |
| 2510-00043        | 00000/0000                                     | 2-20026/1575     | 06/15/76       | 80              | 7101                               | 3258S                               | 13413E       | 19.4         | 43.2              | GGGG                |                      | 107                     | 83                     |
| 2510-01240        | 00000/0000                                     | 2-20026/1576     | 06/15/76       | 10              | 7102                               | 4840N                               | 13028E       | 56.1         | 128.2             | GGGG                |                      | 125                     | 26                     |
| 2510-01242        | 00000/0000                                     | 2-20026/1577     | 06/15/76       | 10              | 7102                               | 4715N                               | 12952E       | 56.7         | 125.8             | GGGG                |                      | 125                     | 27                     |
| 2510-01245        | 00000/0000                                     | 2-20026/1578     | 06/15/76       | 10              | 7102                               | 4551N                               | 12918E       | 57.2         | 123.4             | GGGG                |                      | 125                     | 28                     |
| 2510-01251        | 00000/0000                                     | 2-20026/1579     | 06/15/76       | 30              | 7102                               | 4426N                               | 12845E       | 57.7         | 120.9             | GGGG                |                      | 125                     | 29                     |
| 2510-01254        | 00000/0000                                     | 2-20026/1580     | 06/15/76       | 40              | 7102                               | 4300N                               | 12813E       | 58.1         | 118.4             | GGGG                |                      | 125                     | 30                     |
| 2510-01260        | 00000/0000                                     | 2-20026/1581     | 06/15/76       | 20              | 7102                               | 4134N                               | 12742E       | 58.5         | 115.8             | GGGG                |                      | 125                     | 31                     |
| 2510-01333        | 00000/0000                                     | 2-20026/1582     | 06/15/76       | 20              | 7102                               | 1549N                               | 12021E       | 55.1         | 71.8              | GGGG                |                      | 125                     | 49                     |
| 2510-01340        | 00000/0000                                     | 2-20026/1583     | 06/15/76       | 20              | 7102                               | 1423N                               | 11959E       | 54.4         | 69.9              | GGGG                |                      | 125                     | 50                     |
| 2510-01342        | 00000/0000                                     | 2-20026/1584     | 06/15/76       | 60              | 7102                               | 1256N                               | 11939E       | 53.7         | 68.1              | FGGG                |                      | 125                     | 51                     |
| 2510-03045        | 00000/0000                                     | 2-20026/1620     | 06/15/76       | 80              | 7103                               | 5704N                               | 10900E       | 51.8         | 141.6             | GGGG                |                      | 143                     | 20                     |
| 2510-03051        | 00000/0000                                     | 2-20026/1621     | 06/15/76       | 90              | 7103                               | 5540N                               | 10810E       | 52.6         | 139.4             | GGGG                |                      | 143                     | 21                     |
| 2510-03054        | 00000/0000                                     | 2-20026/1622     | 06/15/76       | 70              | 7103                               | 5416N                               | 10723E       | 53.4         | 137.2             | GGGG                |                      | 143                     | 22                     |
| 2510-03060        | 00000/0000                                     | 2-20026/1623     | 06/15/76       | 60              | 7103                               | 5252N                               | 10638E       | 54.1         | 135.0             | GGGG                |                      | 143                     | 23                     |
| 2510-03063        | 00000/0000                                     | 2-20026/1624     | 06/15/76       | 80              | 7103                               | 5129N                               | 10556E       | 54.8         | 132.8             | GGGG                |                      | 143                     | 24                     |
| 2510-03065        | 00000/0000                                     | 2-20026/1625     | 06/15/76       | 50              | 7103                               | 5005N                               | 10516E       | 55.5         | 130.5             | GGGG                |                      | 143                     | 25                     |
| 2510-03101        | 00000/0000                                     | 2-20026/1626     | 06/15/76       | 100             | 7103                               | 3843N                               | 10052E       | 59.1         | 110.6             | GGGG                |                      | 143                     | 33                     |
| 2510-03104        | 00000/0000                                     | 2-20026/1627     | 06/15/76       | 100             | 7103                               | 3718N                               | 10023E       | 59.3         | 108.0             | GGGG                |                      | 143                     | 34                     |
| 2510-03110        | 00000/0000                                     | 2-20026/1628     | 06/15/76       | 90              | 7103                               | 3553N                               | 09956E       | 59.4         | 105.3             | GGGG                |                      | 143                     | 35                     |
| 2510-03113        | 00000/0000                                     | 2-20026/1629     | 06/15/76       | 90              | 7103                               | 3427N                               | 09929E       | 59.5         | 102.7             | GGGG                |                      | 143                     | 36                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

PAGE 030P

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2510-04474        | 00000/0000                   | 2-20026/1632                | 06/15/76         | 0              | 7104            | 5826N                        | 08405E        | 50.9         | 143.7        | GGGG                               |                     |                      | 161                     | 19                     |
| 2510-04480        | 00000/0000                   | 2-20026/1633                | 06/15/76         | 0              | 7104            | 5704N                        | 08312E        | 51.8         | 141.6        | GGGG                               |                     |                      | 161                     | 20                     |
| 2510-04483        | 00000/0000                   | 2-20026/1634                | 06/15/76         | 0              | 7104            | 5540N                        | 08221E        | 52.6         | 139.4        | GGGG                               |                     |                      | 161                     | 21                     |
| 2510-04485        | 00000/0000                   | 2-20026/1635                | 06/15/76         | 0              | 7104            | 5417N                        | 08134E        | 53.4         | 137.2        | GGGG                               |                     |                      | 161                     | 22                     |
| 2510-04492        | 00000/0000                   | 2-20026/1636                | 06/15/76         | 10             | 7104            | 5252N                        | 08050E        | 54.1         | 135.0        | GGGG                               |                     |                      | 161                     | 23                     |
| 2510-04494        | 00000/0000                   | 2-20026/1637                | 06/15/76         | 10             | 7104            | 5128N                        | 08007E        | 54.8         | 132.8        | GGGG                               |                     |                      | 161                     | 24                     |
| 2510-04501        | 00000/0000                   | 2-20026/1638                | 06/15/76         | 20             | 7104            | 5003N                        | 07927E        | 55.5         | 130.5        | GGGG                               |                     |                      | 161                     | 25                     |
| 2510-04503        | 00000/0000                   | 2-20026/1639                | 06/15/76         | 20             | 7104            | 4839N                        | 07849E        | 56.1         | 128.1        | GGGG                               |                     |                      | 161                     | 26                     |
| 2510-04510        | 00000/0000                   | 2-20026/1640                | 06/15/76         | 60             | 7104            | 4714N                        | 07813E        | 56.7         | 125.8        | GGGG                               |                     |                      | 161                     | 27                     |
| 2510-04512        | 00000/0000                   | 2-20026/1641                | 06/15/76         | 80             | 7104            | 4549N                        | 07739E        | 57.2         | 123.3        | GGGG                               |                     |                      | 161                     | 28                     |
| 2510-04515        | 00000/0000                   | 2-20026/1642                | 06/15/76         | 90             | 7104            | 4425N                        | 07706E        | 57.7         | 120.9        | GGGG                               |                     |                      | 161                     | 29                     |
| 2510-04521        | 00000/0000                   | 2-20026/1643                | 06/15/76         | 90             | 7104            | 4300N                        | 07633E        | 58.1         | 118.3        | GGGG                               |                     |                      | 161                     | 30                     |
| 2510-04524        | 00000/0000                   | 2-20026/1644                | 06/15/76         | 90             | 7104            | 4134N                        | 07602E        | 58.5         | 115.8        | GGGG                               |                     |                      | 161                     | 31                     |
| 2510-04530        | 00000/0000                   | 2-20026/1645                | 06/15/76         | 90             | 7104            | 4009N                        | 07533E        | 58.8         | 113.2        | GGGG                               |                     |                      | 161                     | 32                     |
| 2510-04533        | 00000/0000                   | 2-20026/1646                | 06/15/76         | 90             | 7104            | 3844N                        | 07504E        | 59.1         | 110.6        | GGGG                               |                     |                      | 161                     | 33                     |
| 2510-04535        | 00000/0000                   | 2-20026/1647                | 06/15/76         | 70             | 7104            | 3719N                        | 07435E        | 59.3         | 107.9        | GGGG                               |                     |                      | 161                     | 34                     |
| 2510-04542        | 00000/0000                   | 2-20026/1648                | 06/15/76         | 20             | 7104            | 3554N                        | 07408E        | 59.4         | 105.3        | GGGG                               |                     |                      | 161                     | 35                     |
| 2510-04544        | 00000/0000                   | 2-20026/1649                | 06/15/76         | 30             | 7104            | 3428N                        | 07342E        | 59.5         | 102.6        | GGGG                               |                     |                      | 161                     | 36                     |
| 2510-04551        | 00000/0000                   | 2-20026/1650                | 06/15/76         | 30             | 7104            | 3302N                        | 07316E        | 59.5         | 100.0        | GGGG                               |                     |                      | 161                     | 37                     |
| 2510-06303        | 00000/0000                   | 2-20026/1524                | 06/15/76         | 80             | 7105            | 5949N                        | 05913E        | 50.1         | 145.8        | FGGG                               |                     |                      | 179                     | 18                     |
| 2510-06305        | 00000/0000                   | 2-20026/1525                | 06/15/76         | 50             | 7105            | 5826N                        | 05816E        | 51.0         | 143.7        | GGGG                               |                     |                      | 179                     | 19                     |
| 2510-06312        | 00000/0000                   | 2-20026/1526                | 06/15/76         | 30             | 7105            | 5703N                        | 05723E        | 51.8         | 141.6        | GGGG                               |                     |                      | 179                     | 20                     |
| 2510-06314        | 00000/0000                   | 2-20026/1527                | 06/15/76         | 40             | 7105            | 5525N                        | 05632E        | 52.6         | 139.4        | FGGG                               |                     |                      | 179                     | 21                     |
| 2510-06321        | 00000/0000                   | 2-20026/1528                | 06/15/76         | 40             | 7105            | 5416N                        | 05545E        | 53.4         | 137.2        | GGGG                               |                     |                      | 179                     | 22                     |
| 2510-06332        | 00000/0000                   | 2-20026/1529                | 06/15/76         | 10             | 7105            | 5003N                        | 05338E        | 55.5         | 130.5        | GGGG                               |                     |                      | 179                     | 25                     |
| 2510-06335        | 00000/0000                   | 2-20026/1530                | 06/15/76         | 10             | 7105            | 4839N                        | 05300E        | 56.1         | 128.1        | GGGG                               |                     |                      | 179                     | 26                     |
| 2510-06362        | 00000/0000                   | 2-20026/1531                | 06/15/76         | 20             | 7105            | 4009N                        | 04943E        | 58.8         | 113.2        | GGGG                               |                     |                      | 179                     | 32                     |
| 2510-06364        | 00000/0000                   | 2-20026/1532                | 06/15/76         | 10             | 7105            | 3843N                        | 04913E        | 59.1         | 110.6        | GGGG                               |                     |                      | 179                     | 33                     |
| 2510-06371        | 00000/0000                   | 2-20026/1533                | 06/15/76         | 10             | 7105            | 3718N                        | 04845E        | 59.3         | 107.9        | GGGG                               |                     |                      | 179                     | 34                     |
| 2510-06373        | 00000/0000                   | 2-20026/1534                | 06/15/76         | 0              | 7105            | 3552N                        | 04818E        | 59.4         | 105.3        | GGGG                               |                     |                      | 179                     | 35                     |
| 2510-06380        | 00000/0000                   | 2-20026/1535                | 06/15/76         | 0              | 7105            | 3426N                        | 04752E        | 59.5         | 102.6        | GGGG                               |                     |                      | 179                     | 36                     |
| 2510-06123        | 00000/0000                   | 2-20026/1536                | 06/15/76         | 90             | 7106            | 6358N                        | 03646E        | 47.3         | 152.4        | GGGG                               |                     |                      | 197                     | 15                     |
| 2510-06125        | 00000/0000                   | 2-20026/1537                | 06/15/76         | 90             | 7106            | 6226N                        | 03533E        | 48.2         | 150.2        | GPGR                               |                     |                      | 197                     | 16                     |
| 2510-06132        | 00000/0000                   | 2-20026/1538                | 06/15/76         | 50             | 7106            | 6114N                        | 03427E        | 49.1         | 148.1        | FGGG                               |                     |                      | 197                     | 17                     |
| 2510-06134        | 00000/0000                   | 2-20026/1539                | 06/15/76         | 40             | 7106            | 5952N                        | 03325E        | 50.0         | 145.9        | GGGG                               |                     |                      | 197                     | 18                     |
| 2510-06141        | 00000/0000                   | 2-20026/1540                | 06/15/76         | 50             | 7106            | 5829N                        | 03227E        | 50.9         | 143.8        | GGGG                               |                     |                      | 197                     | 19                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 177

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2510-08150        | 00000/0000                   | 2-20026/1541                | 06/15/76         | 40             | 7106                | 5542N                              | 03043E                              | 52.6         | 139.5        | GGGG                               |                     |                      | 197                     | 21                     |
| 2510-08155        | 00000/0000                   | 2-20026/1542                | 06/15/76         | 70             | 7106                | 5255N                              | 02912E                              | 54.1         | 135.1        | GGGF                               |                     |                      | 197                     | 23                     |
| 2510-08161        | 00000/0000                   | 2-20026/1543                | 06/15/76         | 60             | 7106                | 5130N                              | 02830E                              | 54.8         | 132.8        | GGGG                               |                     |                      | 197                     | 24                     |
| 2510-08164        | 00000/0000                   | 2-20026/1544                | 06/15/76         | 50             | 7106                | 5006N                              | 02749E                              | 55.5         | 130.5        | GGGG                               |                     |                      | 197                     | 25                     |
| 2510-08170        | 00000/0000                   | 2-20026/1545                | 06/15/76         | 50             | 7106                | 4842N                              | 02711E                              | 56.1         | 128.2        | GGGG                               |                     |                      | 197                     | 26                     |
| 2510-08173        | 00000/0000                   | 2-20026/1546                | 06/15/76         | 60             | 7106                | 4717N                              | 02635E                              | 56.7         | 125.8        | GGGG                               |                     |                      | 197                     | 27                     |
| 2510-08270        | 00000/0000                   | 2-20026/1547                | 06/15/76         | 10             | 7106                | 1455N                              | 01644E                              | 54.4         | 69.9         | GGGG                               |                     |                      | 197                     | 50                     |
| 2510-08273        | 00000/0000                   | 2-20026/1548                | 06/15/76         | 10             | 7106                | 1259N                              | 01624E                              | 53.7         | 68.1         | GGGG                               |                     |                      | 197                     | 51                     |
| 2510-08275        | 00000/0000                   | 2-20026/1250                | 06/15/76         | 10             | 7106                | 1133N                              | 01603E                              | 52.9         | 66.4         | GGGG                               |                     |                      | 197                     | 52                     |
| 2510-08282        | 00000/0000                   | 2-20026/1251                | 06/15/76         | 10             | 7106                | 1007N                              | 01542E                              | 52.1         | 64.8         | GGGG                               |                     |                      | 197                     | 53                     |
| 2510-12010        | 00000/0000                   | 2-20026/1252                | 06/15/76         | 60             | 7108                | 1128S                              | 04055W                              | 37.1         | 48.7         | FFFF                               |                     |                      | 233                     | 68                     |
| 2510-12013        | 00000/0000                   | 2-20026/1253                | 06/15/76         | 60             | 7108                | 1254S                              | 04115W                              | 36.0         | 48.0         | GGGG                               |                     |                      | 233                     | 69                     |
| 2510-15015        | 00000/0000                   | 2-20026/1254                | 06/15/76         | 100            | 7110                | 7527N                              | 04657W                              | 37.9         | 178.2        | GGGG                               |                     |                      | 18                      | 6                      |
| 2510-15242        | 00000/0000                   | 2-20026/1255                | 06/15/76         | 70             | 7110                | 0000N                              | 08952W                              | 45.6         | 55.5         | GPGG                               |                     |                      | 18                      | 60                     |
| 2510-15244        | 00000/0000                   | 2-20026/1256                | 06/15/76         | 80             | 7110                | 0124S                              | 09012W                              | 44.6         | 54.5         | GGGG                               |                     |                      | 18                      | 61                     |
| 2510-16441        | 00000/0000                   | 2-20026/1257                | 06/15/76         | 10             | 7111                | 7736N                              | 06420W                              | 35.7         | 187.7        | GGGG                               |                     |                      | 36                      | 4                      |
| 2510-20113        | 00000/0000                   | 2-20026/1688                | 06/15/76         | 90             | 7113                | 7527N                              | 12436W                              | 37.9         | 178.2        | FGGG                               |                     |                      | 72                      | 6                      |
| 2510-20120        | 00000/0000                   | 2-20026/1689                | 06/15/76         | 100            | 7113                | 7417N                              | 12759W                              | 39.0         | 174.3        | GGGG                               |                     |                      | 72                      | 7                      |
| 2510-20122        | 00000/0000                   | 2-20026/1690                | 06/15/76         | 90             | 7113                | 7304N                              | 13056W                              | 40.1         | 170.7        | GGGG                               |                     |                      | 72                      | 8                      |
| 2510-20125        | 00000/0000                   | 2-20026/1691                | 06/15/76         | 80             | 7113                | 7150N                              | 13329W                              | 41.2         | 167.5        | GGFG                               |                     |                      | 72                      | 9                      |
| 2510-20131        | 00000/0000                   | 2-20026/1692                | 06/15/76         | 60             | 7113                | 7034N                              | 13545W                              | 42.3         | 164.6        | GGGG                               |                     |                      | 72                      | 10                     |
| 2511-01285        | 00000/0000                   | 2-20026/1258                | 06/16/76         | 100            | 7116                | 5131N                              | 13021E                              | 54.8         | 132.7        | GGGG                               |                     |                      | 126                     | 24                     |
| 2511-01292        | 00000/0000                   | 2-20026/1259                | 06/16/76         | 90             | 7116                | 5007N                              | 12940E                              | 55.5         | 130.4        | GGGG                               |                     |                      | 126                     | 25                     |
| 2511-01294        | 00000/0000                   | 2-20026/1260                | 06/16/76         | 70             | 7116                | 4843N                              | 12902E                              | 56.1         | 128.1        | GGGG                               |                     |                      | 126                     | 26                     |
| 2511-01301        | 00000/0000                   | 2-20026/1261                | 06/16/76         | 70             | 7116                | 4718N                              | 12825E                              | 56.7         | 125.7        | GGGG                               |                     |                      | 126                     | 27                     |
| 2511-01303        | 00000/0000                   | 2-20026/1262                | 06/16/76         | 60             | 7116                | 4554N                              | 12750E                              | 57.2         | 123.3        | GGGG                               |                     |                      | 126                     | 28                     |
| 2511-01310        | 00000/0000                   | 2-20026/1263                | 06/16/76         | 70             | 7116                | 4429N                              | 12718E                              | 57.7         | 120.8        | GGGG                               |                     |                      | 126                     | 29                     |
| 2511-01312        | 00000/0000                   | 2-20026/1264                | 06/16/76         | 90             | 7116                | 4303N                              | 12646E                              | 58.1         | 118.3        | GGGF                               |                     |                      | 126                     | 30                     |
| 2511-01315        | 00000/0000                   | 2-20026/1265                | 06/16/76         | 70             | 7116                | 4137N                              | 12616E                              | 58.5         | 115.8        | GGGG                               |                     |                      | 126                     | 31                     |
| 2511-01321        | 00000/0000                   | 2-20026/1266                | 06/16/76         | 50             | 7116                | 4012N                              | 12546E                              | 58.8         | 113.2        | GGGG                               |                     |                      | 126                     | 32                     |
| 2511-03103        | 00000/0000                   | 2-20026/1549                | 06/16/76         | 80             | 7117                | 5705N                              | 10738E                              | 51.8         | 141.5        | GGGG                               |                     |                      | 144                     | 20                     |
| 2511-03112        | 00000/0000                   | 2-20026/1550                | 06/16/76         | 80             | 7117                | 5419N                              | 10601E                              | 53.4         | 137.2        | GGGG                               |                     |                      | 144                     | 22                     |
| 2511-03114        | 00000/0000                   | 2-20026/1551                | 06/16/76         | 80             | 7117                | 5255N                              | 10516E                              | 54.1         | 135.0        | GGGG                               |                     |                      | 144                     | 23                     |
| 2511-03155        | 00000/0000                   | 2-20026/1552                | 06/16/76         | 30             | 7117                | 3845N                              | 09928E                              | 59.1         | 110.5        | GGGG                               |                     |                      | 144                     | 33                     |
| 2511-03162        | 00000/0000                   | 2-20026/1553                | 06/16/76         | 60             | 7117                | 3720N                              | 09900E                              | 59.3         | 107.9        | GGGG                               |                     |                      | 144                     | 34                     |
| 2511-03164        | 00000/0000                   | 2-20026/1554                | 06/16/76         | 90             | 7117                | 3555N                              | 09832E                              | 59.4         | 105.2        | GGGG                               |                     |                      | 144                     | 35                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0306

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RAY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2511-04534        | 00000/0000                   | 2-20026/1555                | 06/16/76         | 70             | 7118                   | 57.5N                        | 08145E        | 51.8         | 141.5        | FGGG                               |                     |                      | 162                     | 20                     |
| 2511-04541        | 00000/0000                   | 2-20026/1556                | 06/16/76         | 70             | 7118                   | 55.1N                        | 08056E        | 52.6         | 139.3        | GGGG                               |                     |                      | 162                     | 21                     |
| 2511-04543        | 00000/0000                   | 2-20026/1557                | 06/16/76         | 20             | 7118                   | 54.17N                       | 08009E        | 53.4         | 137.2        | GGGG                               |                     |                      | 162                     | 22                     |
| 2511-04550        | 00000/0000                   | 2-20026/1558                | 06/16/76         | 20             | 7118                   | 52.3N                        | 07924E        | 54.1         | 134.9        | GGGG                               |                     |                      | 162                     | 23                     |
| 2511-04552        | 00000/0000                   | 2-20026/1559                | 06/16/76         | 40             | 7118                   | 51.29N                       | 07842E        | 54.8         | 132.7        | GGGG                               |                     |                      | 162                     | 24                     |
| 2511-04555        | 00000/0000                   | 2-20026/1560                | 06/16/76         | 60             | 7118                   | 50.5N                        | 07A01E        | 55.5         | 130.4        | FGGF                               |                     |                      | 162                     | 25                     |
| 2511-04561        | 00000/0000                   | 2-20026/1561                | 06/16/76         | 20             | 7118                   | 48.41N                       | 07723E        | 56.1         | 128.1        | GGGG                               |                     |                      | 162                     | 26                     |
| 2511-04575        | 00000/0000                   | 2-20026/1562                | 06/16/76         | 40             | 7118                   | 43.01N                       | 07506E        | 58.1         | 118.3        | GGGF                               |                     |                      | 162                     | 30                     |
| 2511-04582        | 00000/0000                   | 2-20026/1563                | 06/16/76         | 50             | 7118                   | 41.35N                       | 07436E        | 58.5         | 115.7        | GGGG                               |                     |                      | 162                     | 31                     |
| 2511-04584        | 00000/0000                   | 2-20026/1564                | 06/16/76         | 30             | 7118                   | 40.10N                       | 07406E        | 58.8         | 113.1        | GGGG                               |                     |                      | 162                     | 32                     |
| 2511-04591        | 00000/0000                   | 2-20026/1565                | 06/16/76         | 10             | 7118                   | 38.44N                       | 07338E        | 59.1         | 110.5        | GGGG                               |                     |                      | 162                     | 33                     |
| 2511-04593        | 00000/0000                   | 2-20026/1566                | 06/16/76         | 30             | 7118                   | 37.19N                       | 07310E        | 59.3         | 107.9        | GGGG                               |                     |                      | 162                     | 34                     |
| 2511-05000        | 00000/0000                   | 2-20026/1567                | 06/16/76         | 10             | 7118                   | 35.54N                       | 07243E        | 59.4         | 105.2        | GGGG                               |                     |                      | 162                     | 35                     |
| 2511-05002        | 00000/0000                   | 2-20026/1568                | 06/16/76         | 30             | 7118                   | 34.28N                       | 07216E        | 59.5         | 102.6        | GGGG                               |                     |                      | 162                     | 36                     |
| 2511-05005        | 00000/0000                   | 2-20026/1569                | 06/16/76         | 40             | 7118                   | 33.02N                       | 07151E        | 59.5         | 99.9         | GGGG                               |                     |                      | 162                     | 37                     |
| 2511-06361        | 00000/0000                   | 2-20026/1757                | 06/16/76         | 50             | 7119                   | 59.50N                       | 05746E        | 50.1         | 145.8        | FGGG                               |                     |                      | 180                     | 18                     |
| 2511-06363        | 00000/0000                   | 2-20026/1758                | 06/16/76         | 60             | 7119                   | 58.28N                       | 05649E        | 50.9         | 143.6        | FGGG                               |                     |                      | 180                     | 19                     |
| 2511-06370        | 00000/0000                   | 2-20026/1708                | 06/16/76         | 90             | 7119                   | 57.05N                       | 05555E        | 51.8         | 141.5        | FGGG                               |                     |                      | 180                     | 20                     |
| 2511-06372        | 00000/0000                   | 2-20026/1709                | 06/16/76         | 90             | 7119                   | 55.41N                       | 05505E        | 52.6         | 139.3        | FGGG                               |                     |                      | 180                     | 21                     |
| 2511-06375        | 00000/0000                   | 2-20026/1710                | 06/16/76         | 90             | 7119                   | 54.17N                       | 05418E        | 53.4         | 137.1        | FFGG                               |                     |                      | 180                     | 22                     |
| 2511-06381        | 00000/0000                   | 2-20026/1711                | 06/16/76         | 80             | 7119                   | 52.53N                       | 05334E        | 54.1         | 134.9        | FGGG                               |                     |                      | 180                     | 23                     |
| 2511-06384        | 00000/0000                   | 2-20026/1712                | 06/16/76         | 50             | 7119                   | 51.29N                       | 05252E        | 54.8         | 132.7        | GGGG                               |                     |                      | 180                     | 24                     |
| 2511-06390        | 00000/0000                   | 2-20026/1713                | 06/16/76         | 40             | 7119                   | 50.04N                       | 05212E        | 55.5         | 130.4        | GGGG                               |                     |                      | 180                     | 25                     |
| 2511-06393        | 00000/0000                   | 2-20026/1714                | 06/16/76         | 20             | 7119                   | 48.40N                       | 05134E        | 56.1         | 128.1        | GGGG                               |                     |                      | 180                     | 26                     |
| 2511-06413        | 00000/0000                   | 2-20026/1715                | 06/16/76         | 50             | 7119                   | 41.35N                       | 04A46E        | 58.5         | 115.7        | GGGG                               |                     |                      | 180                     | 31                     |
| 2511-06420        | 00000/0000                   | 2-20026/1693                | 06/16/76         | 10             | 7119                   | 40.10N                       | 04816E        | 58.8         | 113.1        | GGGG                               |                     |                      | 180                     | 32                     |
| 2511-06422        | 00000/0000                   | 2-20026/1694                | 06/16/76         | 10             | 7119                   | 38.44N                       | 04747E        | 59.1         | 110.5        | GGGG                               |                     |                      | 180                     | 33                     |
| 2511-06425        | 00000/0000                   | 2-20026/1695                | 06/16/76         | 10             | 7119                   | 37.18N                       | 04720E        | 59.3         | 107.9        | GGGG                               |                     |                      | 180                     | 34                     |
| 2511-08204        | 00000/0000                   | 2-20026/1696                | 06/16/76         | 90             | 7120                   | 55.41N                       | 02918E        | 52.6         | 139.3        | FGGG                               |                     |                      | 198                     | 21                     |
| 2511-08211        | 00000/0000                   | 2-20026/1697                | 06/16/76         | 90             | 7120                   | 54.17N                       | 02831E        | 53.4         | 137.1        | GGGG                               |                     |                      | 198                     | 22                     |
| 2511-08213        | 00000/0000                   | 2-20026/1698                | 06/16/76         | 90             | 7120                   | 52.53N                       | 02747E        | 54.1         | 134.9        | FGGG                               |                     |                      | 198                     | 23                     |
| 2511-08220        | 00000/0000                   | 2-20026/1699                | 06/16/76         | 80             | 7120                   | 51.29N                       | 02705E        | 54.8         | 132.7        | FGGG                               |                     |                      | 198                     | 24                     |
| 2511-08222        | 00000/0000                   | 2-20026/1700                | 06/16/76         | 90             | 7120                   | 50.04N                       | 02625E        | 55.5         | 130.4        | GGGG                               |                     |                      | 198                     | 25                     |
| 2511-08225        | 00000/0000                   | 2-20026/1701                | 06/16/76         | 100            | 7120                   | 48.40N                       | 02546E        | 56.1         | 128.0        | GGFG                               |                     |                      | 198                     | 26                     |
| 2511-08231        | 00000/0000                   | 2-20026/1702                | 06/16/76         | 90             | 7120                   | 47.16N                       | 02510E        | 56.7         | 125.7        | FGGG                               |                     |                      | 198                     | 27                     |
| 2511-08234        | 00000/0000                   | 2-20026/1703                | 06/16/76         | 50             | 7120                   | 45.50N                       | 02435E        | 57.2         | 123.2        | GGGG                               |                     |                      | 198                     | 28                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2511-08322        | 00000/0000                   | 2-20026/1704                | 06/16/76         | 30             | 7120            | 1550N                        | 01540E        | 55.0         | 71.7         | GGGG                               |                     |                      | 198                     | 49                     |
| 2511-08325        | 00000/0000                   | 2-20026/1705                | 06/16/76         | 10             | 7120            | 1424N                        | 01519E        | 54.3         | 69.8         | FGGG                               |                     |                      | 198                     | 50                     |
| 2511-12144        | 00000/0000                   | 2-20026/1706                | 06/16/76         | 70             | 7122            | 3840S                        | 04444W        | 14.3         | 43.2         | FFFF                               |                     |                      | 234                     | 87                     |
| 2511-15152        | 00000/0000                   | 2-20026/1724                | 06/16/76         | 80             | 7124            | 5004N                        | 07652W        | 55.5         | 130.3        | GGGG                               |                     |                      | 19                      | 25                     |
| 2511-16575        | 00000/0000                   | 2-20026/1742                | 06/16/76         | 60             | 7125            | 5243N                        | 10118W        | 54.1         | 134.8        | GGGG                               |                     |                      | 37                      | 23                     |
| 2511-16582        | 00000/0000                   | 2-20026/1743                | 06/16/76         | 80             | 7125            | 5129N                        | 10200W        | 54.8         | 132.6        | FGGG                               |                     |                      | 37                      | 24                     |
| 2512-00153        | 00000/0000                   | 2-20026/1707                | 06/17/76         | 90             | 7129            | 3133S                        | 13146E        | 20.5         | 43.4         | GGGG                               |                     |                      | 109                     | 82                     |
| 2512-01343        | 00000/0000                   | 2-20026/1716                | 06/17/76         | 60             | 7130            | 5129N                        | 12855E        | 54.8         | 132.6        | GGGG                               |                     |                      | 127                     | 24                     |
| 2512-01355        | 00000/0000                   | 2-20026/1717                | 06/17/76         | 40             | 7130            | 4716N                        | 12700E        | 56.7         | 125.6        | GGFG                               |                     |                      | 127                     | 27                     |
| 2512-01361        | 00000/0000                   | 2-20026/1718                | 06/17/76         | 50             | 7130            | 4542N                        | 12625E        | 57.2         | 123.1        | GGGG                               |                     |                      | 127                     | 28                     |
| 2512-01364        | 00000/0000                   | 2-20026/1719                | 06/17/76         | 80             | 7130            | 4427N                        | 12551E        | 57.7         | 120.7        | GGGG                               |                     |                      | 127                     | 29                     |
| 2512-01370        | 00000/0000                   | 2-20026/1720                | 06/17/76         | 90             | 7130            | 4302N                        | 12520E        | 58.1         | 118.1        | GGFG                               |                     |                      | 127                     | 30                     |
| 2512-01373        | 00000/0000                   | 2-20026/1721                | 06/17/76         | 100            | 7130            | 4137N                        | 12449E        | 58.5         | 115.6        | FGGG                               |                     |                      | 127                     | 31                     |
| 2512-01375        | 00000/0000                   | 2-20026/1722                | 06/17/76         | 100            | 7130            | 4011N                        | 12420E        | 58.8         | 113.0        | GGGG                               |                     |                      | 127                     | 32                     |
| 2512-01382        | 00000/0000                   | 2-20026/1723                | 06/17/76         | 100            | 7130            | 3845N                        | 12351E        | 59.0         | 110.4        | GGFG                               |                     |                      | 127                     | 33                     |
| 2512-03164        | 00000/0000                   | 2-20027/0073                | 06/17/76         | 90             | 7131            | 5540N                        | 10520E        | 52.6         | 139.2        | GGGG                               |                     |                      | 145                     | 21                     |
| 2512-03170        | 00000/0000                   | 2-20027/0074                | 06/17/76         | 90             | 7131            | 5417N                        | 10433E        | 53.4         | 137.0        | GGGG                               |                     |                      | 145                     | 22                     |
| 2512-03173        | 00000/0000                   | 2-20027/0075                | 06/17/76         | 70             | 7131            | 5253N                        | 10348E        | 54.1         | 134.8        | GGGG                               |                     |                      | 145                     | 23                     |
| 2512-03175        | 00000/0000                   | 2-20027/0076                | 06/17/76         | 10             | 7131            | 5130N                        | 10305E        | 54.8         | 132.6        | GGGG                               |                     |                      | 145                     | 24                     |
| 2512-03182        | 00000/0000                   | 2-20027/0077                | 06/17/76         | 10             | 7131            | 5005N                        | 10224E        | 55.5         | 130.3        | GGGG                               |                     |                      | 145                     | 25                     |
| 2512-04590        | 00000/0000                   | 2-20027/0078                | 06/17/76         | 20             | 7132            | 5826N                        | 08112E        | 51.0         | 143.5        | GGGG                               |                     |                      | 163                     | 19                     |
| 2512-05002        | 00000/0000                   | 2-20027/0079                | 06/17/76         | 10             | 7132            | 5416N                        | 07441E        | 53.4         | 137.0        | GGGG                               |                     |                      | 163                     | 22                     |
| 2512-05004        | 00000/0000                   | 2-20027/0080                | 06/17/76         | 40             | 7132            | 5251N                        | 07756E        | 54.1         | 134.8        | GGGG                               |                     |                      | 163                     | 23                     |
| 2512-05011        | 00000/0000                   | 2-20027/0081                | 06/17/76         | 60             | 7132            | 5127N                        | 07714E        | 54.8         | 132.5        | GGGG                               |                     |                      | 163                     | 24                     |
| 2512-05013        | 00000/0000                   | 2-20027/0082                | 06/17/76         | 50             | 7132            | 5003N                        | 07634E        | 55.5         | 130.2        | GGGG                               |                     |                      | 163                     | 25                     |
| 2512-05020        | 00000/0000                   | 2-20027/0083                | 06/17/76         | 50             | 7132            | 4819N                        | 07556E        | 56.1         | 127.9        | GGGG                               |                     |                      | 163                     | 26                     |
| 2512-05034        | 00000/0000                   | 2-20027/0084                | 06/17/76         | 10             | 7132            | 4249N                        | 07340E        | 58.1         | 118.1        | GGGG                               |                     |                      | 163                     | 30                     |
| 2512-05040        | 00000/0000                   | 2-20027/0085                | 06/17/76         | 20             | 7132            | 4134N                        | 07309E        | 58.5         | 115.6        | GGGG                               |                     |                      | 163                     | 31                     |
| 2512-05043        | 00000/0000                   | 2-20027/0086                | 06/17/76         | 10             | 7132            | 4009N                        | 07239E        | 58.8         | 113.0        | GGGG                               |                     |                      | 163                     | 32                     |
| 2512-05045        | 00000/0000                   | 2-20027/0087                | 06/17/76         | 10             | 7132            | 3843N                        | 07210E        | 59.0         | 110.4        | GGGG                               |                     |                      | 163                     | 33                     |
| 2512-05052        | 00000/0000                   | 2-20027/0088                | 06/17/76         | 20             | 7132            | 3718N                        | 07142E        | 59.2         | 107.7        | GGGG                               |                     |                      | 163                     | 34                     |
| 2512-05054        | 00000/0000                   | 2-20027/0089                | 06/17/76         | 10             | 7132            | 3552N                        | 07115E        | 59.4         | 105.1        | GGGG                               |                     |                      | 163                     | 35                     |
| 2512-05061        | 00000/0000                   | 2-20027/0090                | 06/17/76         | 10             | 7132            | 3426N                        | 07049E        | 59.4         | 102.4        | GGGG                               |                     |                      | 163                     | 36                     |
| 2512-05063        | 00000/0000                   | 2-20027/0091                | 06/17/76         | 30             | 7132            | 3301N                        | 07024E        | 59.4         | 99.8         | GGGG                               |                     |                      | 163                     | 37                     |
| 2512-06413        | 00000/0000                   | 2-20027/0092                | 06/17/76         | 30             | 7133            | 6112N                        | 05722E        | 49.2         | 147.8        | GGGG                               |                     |                      | 181                     | 17                     |
| 2512-06415        | 00000/0000                   | 2-20027/0093                | 06/17/76         | 20             | 7133            | 5949N                        | 05620E        | 50.1         | 145.6        | GGGG                               |                     |                      | 181                     | 18                     |

KEYS: CLOUD COVER 1 ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

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OBSERVATION ID LISTING  
FOR NANUS  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2512-06422        | 00000/0000                   | 2-20027/0094                | 06/17/76         | 40             | 7133            | 5826N                              | 05522E                              | 51.0         | 143.5        | GGGG                               |                     |                      | 181                     | 19                     |
| 2512-06424        | 00000/0000                   | 2-20027/0095                | 06/17/76         | 80             | 7133            | 5703N                              | 05429E                              | 51.8         | 141.4        | GGGG                               |                     |                      | 181                     | 20                     |
| 2512-06431        | 00000/0000                   | 2-20026/1772                | 06/17/76         | 17             | 7133            | 5539N                              | 05339E                              | 52.6         | 139.2        | GGGG                               |                     |                      | 181                     | 21                     |
| 2512-06433        | 00000/0000                   | 2-20026/1773                | 06/17/76         | 20             | 7133            | 5415N                              | 05252E                              | 53.4         | 137.0        | GGGG                               |                     |                      | 181                     | 22                     |
| 2512-06440        | 00000/0000                   | 2-20026/1774                | 06/17/76         | 20             | 7133            | 5251N                              | 05208E                              | 54.1         | 134.8        | GGGG                               |                     |                      | 181                     | 23                     |
| 2512-06442        | 00000/0000                   | 2-20026/1775                | 06/17/76         | 10             | 7133            | 5127N                              | 05126E                              | 54.8         | 132.5        | GGGG                               |                     |                      | 181                     | 24                     |
| 2512-06445        | 00000/0000                   | 2-20026/1776                | 06/17/76         | 10             | 7133            | 5003N                              | 05045E                              | 55.5         | 130.2        | GGGG                               |                     |                      | 181                     | 25                     |
| 2512-06451        | 00000/0000                   | 2-20026/1777                | 06/17/76         | 10             | 7133            | 4839N                              | 05006E                              | 56.1         | 127.9        | GGGG                               |                     |                      | 181                     | 26                     |
| 2512-06454        | 00000/0000                   | 2-20026/1778                | 06/17/76         | 20             | 7133            | 4714N                              | 04930E                              | 56.7         | 125.5        | GGGG                               |                     |                      | 181                     | 27                     |
| 2512-06460        | 00000/0000                   | 2-20026/1779                | 06/17/76         | 70             | 7133            | 4549N                              | 04855E                              | 57.2         | 123.1        | GGGG                               |                     |                      | 181                     | 28                     |
| 2512-06463        | 00000/0000                   | 2-20026/1780                | 06/17/76         | 90             | 7133            | 4424N                              | 04823E                              | 57.7         | 120.6        | GGGG                               |                     |                      | 181                     | 29                     |
| 2512-06465        | 00000/0000                   | 2-20026/1781                | 06/17/76         | 40             | 7133            | 4259N                              | 04751E                              | 58.1         | 118.1        | GGGG                               |                     |                      | 181                     | 30                     |
| 2512-06472        | 00000/0000                   | 2-20026/1782                | 06/17/76         | 10             | 7133            | 4144N                              | 04720E                              | 58.5         | 115.5        | GGGG                               |                     |                      | 181                     | 31                     |
| 2512-06474        | 00000/0000                   | 2-20026/1783                | 06/17/76         | 17             | 7133            | 4009N                              | 04650E                              | 58.8         | 113.0        | GGGG                               |                     |                      | 181                     | 32                     |
| 2512-06481        | 00000/0000                   | 2-20026/1784                | 06/17/76         | 10             | 7133            | 3843N                              | 04622E                              | 59.0         | 110.3        | GGGG                               |                     |                      | 181                     | 33                     |
| 2512-06483        | 00000/0000                   | 2-20026/1785                | 06/17/76         | 10             | 7133            | 3717N                              | 04554E                              | 59.2         | 107.7        | GGGG                               |                     |                      | 181                     | 34                     |
| 2512-06490        | 00000/0000                   | 2-20026/1786                | 06/17/76         | 0              | 7133            | 3562N                              | 04527E                              | 59.4         | 105.1        | GGGG                               |                     |                      | 181                     | 35                     |
| 2512-06492        | 00000/0000                   | 2-20026/1787                | 06/17/76         | 0              | 7133            | 3427N                              | 04501E                              | 59.4         | 102.4        | GGGG                               |                     |                      | 181                     | 36                     |
| 2512-06495        | 00000/0000                   | 2-20026/1788                | 06/17/76         | 0              | 7133            | 3311N                              | 04435E                              | 59.4         | 99.8         | GGGG                               |                     |                      | 181                     | 37                     |
| 2512-06501        | 00000/0000                   | 2-20026/1789                | 06/17/76         | 0              | 7133            | 3135N                              | 04410E                              | 59.4         | 97.1         | GGGG                               |                     |                      | 181                     | 38                     |
| 2512-08262        | 00000/0000                   | 2-20027/0096                | 06/17/76         | 100            | 7134            | 5542N                              | 02751E                              | 52.6         | 139.3        | GGGG                               |                     |                      | 199                     | 21                     |
| 2512-08271        | 00000/0000                   | 2-20026/1744                | 06/17/76         | 107            | 7134            | 5255N                              | 02620E                              | 54.1         | 134.9        | GGGG                               |                     |                      | 199                     | 23                     |
| 2512-08274        | 00000/0000                   | 2-20026/1745                | 06/17/76         | 90             | 7134            | 5131N                              | 02538E                              | 54.8         | 132.6        | GGGG                               |                     |                      | 199                     | 24                     |
| 2512-08280        | 00000/0000                   | 2-20026/1746                | 06/17/76         | 90             | 7134            | 5006N                              | 02458E                              | 55.5         | 130.3        | GGGG                               |                     |                      | 199                     | 25                     |
| 2512-08283        | 00000/0000                   | 2-20026/1747                | 06/17/76         | 87             | 7134            | 4842N                              | 02420E                              | 56.1         | 128.0        | GGGG                               |                     |                      | 199                     | 26                     |
| 2512-08285        | 00000/0000                   | 2-20026/1748                | 06/17/76         | 90             | 7134            | 4717N                              | 02343E                              | 56.7         | 125.6        | GGGG                               |                     |                      | 199                     | 27                     |
| 2512-08380        | 00000/0000                   | 2-20026/1749                | 06/17/76         | 0              | 7134            | 1533N                              | 01413E                              | 55.0         | 71.7         | GGGG                               |                     |                      | 199                     | 49                     |
| 2512-08383        | 00000/0000                   | 2-20026/1750                | 06/17/76         | 10             | 7134            | 1427N                              | 01352E                              | 54.3         | 69.9         | GGGG                               |                     |                      | 199                     | 50                     |
| 2512-08385        | 00000/0000                   | 2-20026/1790                | 06/17/76         | 10             | 7134            | 1300N                              | 01331E                              | 53.6         | 68.1         | GGGG                               |                     |                      | 199                     | 51                     |
| 2512-10062        | 00000/0000                   | 2-20026/1791                | 06/17/76         | 50             | 7135            | 6640N                              | 01056E                              | 45.4         | 156.8        | GFGG                               |                     |                      | 217                     | 13                     |
| 2512-12202        | 00000/0000                   | 2-20026/1792                | 06/17/76         | 20             | 7136            | 3838S                              | 05110W                              | 14.3         | 43.2         | GGGG                               |                     |                      | 235                     | 87                     |
| 2512-17033        | 00000/0000                   | 2-20026/1812                | 06/17/76         | 50             | 7139            | 5253N                              | 10245W                              | 54.1         | 134.8        | GGGG                               |                     |                      | 38                      | 23                     |
| 2512-17040        | 00000/0000                   | 2-20026/1813                | 06/17/76         | 50             | 7139            | 5129N                              | 10326W                              | 54.8         | 132.5        | GGGG                               |                     |                      | 38                      | 24                     |
| 2512-23552        | 00000/0000                   | 2-20026/1793                | 06/17/76         | 80             | 7143            | 5707N                              | 15622E                              | 51.8         | 141.4        | GGGG                               |                     |                      | 110                     | 20                     |
| 2512-23555        | 00000/0000                   | 2-20026/1794                | 06/17/76         | 90             | 7143            | 5544N                              | 15532E                              | 52.6         | 139.2        | GGGG                               |                     |                      | 110                     | 21                     |
| 2512-23561        | 00000/0000                   | 2-20026/1795                | 06/17/76         | 90             | 7143            | 5420N                              | 15446E                              | 53.4         | 137.0        | GGGG                               |                     |                      | 110                     | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2513-01395        | 00000/0000                   | 2-20026/1796                | 06/18/76         | 60             | 7144            | 5255N                        | 12410E        | 54.1         | 134.8        | GGGG                               |                     |                      | 128                     | 23                     |
| 2513-01402        | 00000/0000                   | 2-20026/1797                | 06/18/76         | 70             | 7144            | 5131N                        | 12728E        | 54.8         | 132.5        | GGGG                               |                     |                      | 128                     | 24                     |
| 2513-01404        | 00000/0000                   | 2-20026/1798                | 06/18/76         | 90             | 7144            | 5046N                        | 12648E        | 55.5         | 130.2        | GGGG                               |                     |                      | 128                     | 25                     |
| 2513-01411        | 00000/0000                   | 2-20026/1799                | 06/18/76         | 90             | 7144            | 4841N                        | 12410E        | 56.1         | 127.9        | FGGG                               |                     |                      | 128                     | 26                     |
| 2513-01413        | 00000/0000                   | 2-20026/1800                | 06/18/76         | 90             | 7144            | 4717N                        | 12534E        | 56.7         | 125.5        | GGGG                               |                     |                      | 128                     | 27                     |
| 2513-01420        | 00000/0000                   | 2-20026/1801                | 06/18/76         | 80             | 7144            | 4543N                        | 12459E        | 57.2         | 123.1        | GGGG                               |                     |                      | 128                     | 28                     |
| 2513-01422        | 00000/0000                   | 2-20026/1802                | 06/18/76         | 80             | 7144            | 4427N                        | 12426E        | 57.7         | 120.6        | GGGG                               |                     |                      | 128                     | 29                     |
| 2513-01425        | 00000/0000                   | 2-20026/1803                | 06/18/76         | 30             | 7144            | 4302N                        | 12355E        | 58.1         | 118.1        | GGGG                               |                     |                      | 128                     | 30                     |
| 2513-01431        | 00000/0000                   | 2-20026/1804                | 06/18/76         | 10             | 7144            | 4138N                        | 12325E        | 58.4         | 115.5        | GGGG                               |                     |                      | 128                     | 31                     |
| 2513-01434        | 00000/0000                   | 2-20026/1805                | 06/18/76         | 30             | 7144            | 4013N                        | 12255E        | 58.8         | 113.0        | GGGG                               |                     |                      | 128                     | 32                     |
| 2513-01440        | 00000/0000                   | 2-20026/1806                | 06/18/76         | 70             | 7144            | 3847N                        | 12226E        | 59.0         | 110.3        | GGGG                               |                     |                      | 128                     | 33                     |
| 2513-01463        | 00000/0000                   | 2-20026/1807                | 06/18/76         | 90             | 7144            | 3013N                        | 11947E        | 59.2         | 94.6         | FGGG                               |                     |                      | 128                     | 39                     |
| 2513-03222        | 00000/0000                   | 2-20026/1751                | 06/18/76         | 20             | 7145            | 5541N                        | 10351E        | 52.6         | 139.2        | GGGG                               |                     |                      | 146                     | 21                     |
| 2513-03224        | 00000/0000                   | 2-20026/1752                | 06/18/76         | 10             | 7145            | 5418N                        | 10304E        | 53.4         | 137.0        | GGGG                               |                     |                      | 146                     | 22                     |
| 2513-03231        | 00000/0000                   | 2-20026/1753                | 06/18/76         | 50             | 7145            | 5254N                        | 10220E        | 54.1         | 134.8        | GGGG                               |                     |                      | 146                     | 23                     |
| 2513-03233        | 00000/0000                   | 2-20026/1754                | 06/18/76         | 90             | 7145            | 5130N                        | 10138E        | 54.8         | 132.5        | GGGG                               |                     |                      | 146                     | 24                     |
| 2513-03274        | 00000/0000                   | 2-20026/1755                | 06/18/76         | 30             | 7145            | 3718N                        | 09606E        | 59.2         | 107.7        | GGGG                               |                     |                      | 146                     | 34                     |
| 2513-03281        | 00000/0000                   | 2-20026/1756                | 06/18/76         | 90             | 7145            | 3554N                        | 09539E        | 59.3         | 105.1        | GGGG                               |                     |                      | 146                     | 35                     |
| 2513-05044        | 00000/0000                   | 2-20026/1759                | 06/18/76         | 10             | 7146            | 5828N                        | 07947E        | 51.0         | 143.5        | GGGG                               |                     |                      | 164                     | 19                     |
| 2513-05051        | 00000/0000                   | 2-20026/1760                | 06/18/76         | 30             | 7146            | 5705N                        | 07854E        | 51.8         | 141.3        | GGGG                               |                     |                      | 164                     | 20                     |
| 2513-05053        | 00000/0000                   | 2-20026/1761                | 06/18/76         | 50             | 7146            | 5542N                        | 07804E        | 52.6         | 139.1        | GGGG                               |                     |                      | 164                     | 21                     |
| 2513-05060        | 00000/0000                   | 2-20026/1762                | 06/18/76         | 60             | 7146            | 5418N                        | 07717E        | 53.4         | 137.0        | GGGG                               |                     |                      | 164                     | 22                     |
| 2513-05062        | 00000/0000                   | 2-20026/1763                | 06/18/76         | 60             | 7146            | 5254N                        | 07632E        | 54.1         | 134.7        | GGGG                               |                     |                      | 164                     | 23                     |
| 2513-05065        | 00000/0000                   | 2-20026/1764                | 06/18/76         | 60             | 7146            | 5130N                        | 07550E        | 54.8         | 132.5        | GGGG                               |                     |                      | 164                     | 24                     |
| 2513-05071        | 00000/0000                   | 2-20026/1765                | 06/18/76         | 50             | 7146            | 5026N                        | 07510E        | 55.5         | 130.2        | GGGG                               |                     |                      | 164                     | 25                     |
| 2513-05074        | 00000/0000                   | 2-20026/1766                | 06/18/76         | 10             | 7146            | 4841N                        | 07432E        | 56.1         | 127.9        | GGGG                               |                     |                      | 164                     | 26                     |
| 2513-05092        | 00000/0000                   | 2-20026/1767                | 06/18/76         | 40             | 7146            | 4300N                        | 07216E        | 58.1         | 118.1        | GGGG                               |                     |                      | 164                     | 30                     |
| 2513-05094        | 00000/0000                   | 2-20026/1768                | 06/18/76         | 30             | 7146            | 4135N                        | 07145E        | 58.4         | 115.5        | GGGG                               |                     |                      | 164                     | 31                     |
| 2513-05101        | 00000/0000                   | 2-20026/1769                | 06/18/76         | 20             | 7146            | 4011N                        | 07115E        | 58.8         | 112.9        | GGGG                               |                     |                      | 164                     | 32                     |
| 2513-05103        | 00000/0000                   | 2-20026/1770                | 06/18/76         | 10             | 7146            | 3846N                        | 07046E        | 59.0         | 110.3        | GGGG                               |                     |                      | 164                     | 33                     |
| 2513-05110        | 00000/0000                   | 2-20026/1771                | 06/18/76         | 10             | 7146            | 3720N                        | 07018E        | 59.2         | 107.7        | GGGG                               |                     |                      | 164                     | 34                     |
| 2513-06471        | 00000/0000                   | 2-20026/1822                | 06/18/76         | 80             | 7147            | 6114N                        | 05557E        | 49.2         | 147.8        | G                                  |                     |                      | 182                     | 17                     |
| 2513-06473        | 00000/0000                   | 2-20026/1823                | 06/18/76         | 60             | 7147            | 5952N                        | 05455E        | 50.1         | 145.6        | GGGG                               |                     |                      | 182                     | 18                     |
| 2513-06480        | 00000/0000                   | 2-20026/1824                | 06/18/76         | 60             | 7147            | 5829N                        | 05357E        | 51.0         | 143.5        | GGGG                               |                     |                      | 182                     | 19                     |
| 2513-06482        | 00000/0000                   | 2-20026/1825                | 06/18/76         | 60             | 7147            | 5745N                        | 05304E        | 51.8         | 141.3        | GGGG                               |                     |                      | 182                     | 20                     |
| 2513-06485        | 00000/0000                   | 2-20026/1826                | 06/18/76         | 60             | 7147            | 5541N                        | 05214E        | 52.6         | 139.1        | GGGG                               |                     |                      | 182                     | 21                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 \* & CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=HAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NR./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA<br>MODE | MSS<br>MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|----------------------------|-----------------------------|-------------------------|------------------------|
| 2513-06491        | 00000/0000                                     | 2-20026/1827     | 06/18/76    | 30                     | 7147                               | 5418N                               | 05127E       | 53.4         | 136.9             | GGGG                       |                             | 182                     | 22                     |
| 2513-06494        | 00000/0000                                     | 2-20026/1828     | 06/18/76    | 10                     | 7147                               | 5254N                               | 05042E       | 54.1         | 134.7             | GGGG                       |                             | 182                     | 23                     |
| 2513-06500        | 00000/0000                                     | 2-20026/1829     | 06/18/76    | 10                     | 7147                               | 5130N                               | 05000E       | 54.8         | 132.5             | GGGG                       |                             | 182                     | 24                     |
| 2513-06503        | 00000/0000                                     | 2-20026/1830     | 06/18/76    | 0                      | 7147                               | 5005N                               | 04920E       | 55.5         | 130.2             | GGGG                       |                             | 182                     | 25                     |
| 2513-06505        | 00000/0000                                     | 2-20026/1831     | 06/18/76    | 0                      | 7147                               | 4841N                               | 04842E       | 56.1         | 127.8             | GGGG                       |                             | 182                     | 26                     |
| 2513-06512        | 00000/0000                                     | 2-20026/1832     | 06/18/76    | 10                     | 7147                               | 4716N                               | 04805E       | 56.7         | 125.5             | GGGG                       |                             | 182                     | 27                     |
| 2513-06514        | 00000/0000                                     | 2-20026/1833     | 06/18/76    | 10                     | 7147                               | 4551N                               | 04731E       | 57.2         | 123.0             | GGGF                       |                             | 182                     | 28                     |
| 2513-06521        | 00000/0000                                     | 2-20026/1834     | 06/18/76    | 10                     | 7147                               | 4426N                               | 04658E       | 57.7         | 120.6             | GGGG                       |                             | 182                     | 29                     |
| 2513-06523        | 00000/0000                                     | 2-20026/1835     | 06/18/76    | 0                      | 7147                               | 4301N                               | 04626E       | 58.1         | 118.1             | GGGG                       |                             | 182                     | 30                     |
| 2513-06530        | 00000/0000                                     | 2-20026/1836     | 06/18/76    | 10                     | 7147                               | 4136N                               | 04555E       | 58.4         | 115.5             | GGGG                       |                             | 182                     | 31                     |
| 2513-06532        | 00000/0000                                     | 2-20026/1837     | 06/18/76    | 10                     | 7147                               | 4011N                               | 04525E       | 58.8         | 112.9             | GGGF                       |                             | 182                     | 32                     |
| 2513-06535        | 00000/0000                                     | 2-20026/1838     | 06/18/76    | 20                     | 7147                               | 3845N                               | 04456E       | 59.0         | 110.3             | GGGG                       |                             | 182                     | 33                     |
| 2513-06541        | 00000/0000                                     | 2-20026/1839     | 06/18/76    | 10                     | 7147                               | 3720N                               | 04428E       | 59.2         | 107.7             | GGGG                       |                             | 182                     | 34                     |
| 2513-06544        | 00000/0000                                     | 2-20026/1840     | 06/18/76    | 0                      | 7147                               | 3554N                               | 04401E       | 59.3         | 105.0             | GGGG                       |                             | 182                     | 35                     |
| 2513-06550        | 00000/0000                                     | 2-20026/1841     | 06/18/76    | 0                      | 7147                               | 3429N                               | 04335E       | 59.4         | 102.4             | GGGG                       |                             | 182                     | 36                     |
| 2513-06553        | 00000/0000                                     | 2-20026/1842     | 06/18/76    | 0                      | 7147                               | 3303N                               | 04309E       | 59.4         | 99.7              | GGFG                       |                             | 182                     | 37                     |
| 2513-08314        | 00000/0000                                     | 2-20026/1843     | 06/18/76    | 100                    | 7148                               | 5704N                               | 02718E       | 51.8         | 141.3             | GGGG                       |                             | 200                     | 20                     |
| 2513-08321        | 00000/0000                                     | 2-20026/1844     | 06/18/76    | 100                    | 7148                               | 5541N                               | 02628E       | 52.6         | 139.1             | GGGG                       |                             | 200                     | 21                     |
| 2513-08323        | 00000/0000                                     | 2-20026/1845     | 06/18/76    | 100                    | 7148                               | 5418N                               | 02540E       | 53.4         | 136.9             | GGGG                       |                             | 200                     | 22                     |
| 2513-08330        | 00000/0000                                     | 2-20026/1846     | 06/18/76    | 70                     | 7148                               | 5254N                               | 02455E       | 54.1         | 134.7             | GGGG                       |                             | 200                     | 23                     |
| 2513-08332        | 00000/0000                                     | 2-20026/1847     | 06/18/76    | 70                     | 7148                               | 5130N                               | 02413E       | 54.8         | 132.5             | GGGG                       |                             | 200                     | 24                     |
| 2513-08341        | 00000/0000                                     | 2-20027/0012     | 06/18/76    | 80                     | 7148                               | 4840N                               | 02255E       | 56.1         | 127.8             | GGGG                       |                             | 200                     | 26                     |
| 2513-12220        | 00000/0000                                     | 2-20027/0013     | 06/18/76    | 70                     | 7150                               | 2425S                               | 04824W       | 26.4         | 44.5              | GGGG                       |                             | 236                     | 77                     |
| 2513-12225        | 00000/0000                                     | 2-20027/0014     | 06/18/76    | 50                     | 7150                               | 2717S                               | 04910W       | 24.0         | 44.0              | FFFF                       |                             | 236                     | 79                     |
| 2513-12231        | 00000/0000                                     | 2-20027/0015     | 06/18/76    | 60                     | 7150                               | 2842S                               | 04934W       | 22.8         | 43.8              | FGFG                       |                             | 236                     | 80                     |
| 2513-13374        | 00000/0000                                     | 2-20027/0016     | 06/18/76    | 100                    | 7151                               | 6915N                               | 03844W       | 43.4         | 161.6             | GGGG                       |                             | 3                       | 11                     |
| 2513-13381        | 00000/0000                                     | 2-20027/0017     | 06/18/76    | 100                    | 7151                               | 6757N                               | 04031W       | 44.4         | 159.1             | GGGG                       |                             | 3                       | 12                     |
| 2513-15262        | 00000/0000                                     | 2-20026/1814     | 06/18/76    | 90                     | 7152                               | 5128N                               | 07906W       | 54.8         | 132.4             | FGG                        |                             | 21                      | 24                     |
| 2513-15265        | 2-20027/0654                                   | 2-20026/1815     | 06/18/76    | 50                     | 7152                               | 5043N                               | 07945W       | 55.5         | 130.1             | GGG GGGG                   |                             | 21                      | 25                     |
| 2513-17080        | 00000/0000                                     | 2-20026/1817     | 06/18/76    | 0                      | 7153                               | 5704N                               | 10148W       | 51.8         | 141.2             | GGGG                       |                             | 39                      | 20                     |
| 2513-17083        | 00000/0000                                     | 2-20026/1818     | 06/18/76    | 0                      | 7153                               | 5540N                               | 10238W       | 52.6         | 139.0             | GGGG                       |                             | 39                      | 21                     |
| 2513-17085        | 00000/0000                                     | 2-20026/1819     | 06/18/76    | 10                     | 7153                               | 5417N                               | 10325W       | 53.4         | 136.9             | GGGG                       |                             | 39                      | 22                     |
| 2513-17092        | 00000/0000                                     | 2-20026/1820     | 06/18/76    | 10                     | 7153                               | 5253N                               | 10409W       | 54.1         | 134.6             | GGGG                       |                             | 39                      | 23                     |
| 2513-17094        | 00000/0000                                     | 2-20026/1821     | 06/18/76    | 10                     | 7153                               | 5129N                               | 10452W       | 54.8         | 132.4             | GGGG                       |                             | 39                      | 24                     |
| 2513-22134        | 00000/0000                                     | 2-20026/1816     | 06/18/76    | 80                     | 7156                               | 7025N                               | 16550W       | 42.3         | 164.4             | GGGG                       |                             | 93                      | 10                     |
| 2514-01451        | 00000/0000                                     | 2-20027/0018     | 06/19/76    | 70                     | 7158                               | 5418N                               | 12729E       | 53.4         | 136.9             | GGGF                       |                             | 129                     | 22                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM POSITION RBV | ROLL NO. IN ROLL MSS | DATE ACQUIRED | CLOUD COVER | ORBIT NUMBER | PRINCIPAL OF IMAGE LAT | PRINT LANG | SUN FLEV. | SUN AZIM. | IMAGE-QUAL RBV | QUAL MSS 123 | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME RBV NUMBER |
|----------------|------------------------|----------------------|---------------|-------------|--------------|------------------------|------------|-----------|-----------|----------------|--------------|---------------|----------------|-------------------|------------------|
| 2514-01453     | 00000/0000             | 2-20027/0019         | 06/19/76      | 4n          | 7158         | 5254N                  | 12645E     | 54.1      | 134.6     | GGGG           |              |               |                | 129               | 23               |
| 2514-01460     | 00000/0000             | 2-20027/0020         | 06/19/76      | 1n          | 7158         | 5130N                  | 12603E     | 54.8      | 132.4     | GGFG           |              |               |                | 129               | 24               |
| 2514-01462     | 00000/0000             | 2-20027/0021         | 06/19/76      | 1n          | 7158         | 50n5N                  | 12523E     | 55.5      | 130.1     | GGGG           |              |               |                | 129               | 25               |
| 2514-01465     | 00000/0000             | 2-20027/0022         | 06/19/76      | 1n          | 7158         | 4841N                  | 12445E     | 56.1      | 127.7     | GGGG           |              |               |                | 129               | 26               |
| 2514-01471     | 00000/0000             | 2-20027/0023         | 06/19/76      | 1n          | 7158         | 4717N                  | 12408E     | 56.7      | 125.4     | GGGG           |              |               |                | 129               | 27               |
| 2514-01474     | 00000/0000             | 2-20027/0024         | 06/19/76      | 1n          | 7158         | 4552N                  | 12333E     | 57.2      | 122.9     | GGGG           |              |               |                | 129               | 28               |
| 2514-01480     | 00000/0000             | 2-20027/0025         | 06/19/76      | 1n          | 7158         | 4426N                  | 12301E     | 57.6      | 120.5     | GGGG           |              |               |                | 129               | 29               |
| 2514-01483     | 00000/0000             | 2-20026/1892         | 06/19/76      | 9n          | 7158         | 4137N                  | 12158E     | 58.4      | 115.4     | GGGG           |              |               |                | 129               | 31               |
| 2514-01492     | 00000/0000             | 2-20026/1893         | 06/19/76      | 9n          | 7158         | 4012N                  | 12129E     | 58.7      | 112.8     | GFGG           |              |               |                | 129               | 32               |
| 2514-01494     | 00000/0000             | 2-20026/1894         | 06/19/76      | 8n          | 7158         | 3846N                  | 12100E     | 59.0      | 110.2     | GGGG           |              |               |                | 129               | 33               |
| 2514-01501     | 00000/0000             | 2-20026/1895         | 06/19/76      | 3n          | 7158         | 3720N                  | 12032E     | 59.2      | 107.6     | GGGG           |              |               |                | 129               | 34               |
| 2514-01503     | 00000/0000             | 2-20026/1896         | 06/19/76      | 9n          | 7158         | 3555N                  | 12005E     | 59.3      | 104.9     | GGGG           |              |               |                | 129               | 35               |
| 2514-01510     | 00000/0000             | 2-20026/1897         | 06/19/76      | 9n          | 7158         | 3429N                  | 11939E     | 59.4      | 102.3     | GFGG           |              |               |                | 129               | 36               |
| 2514-01512     | 00000/0000             | 2-20026/1898         | 06/19/76      | 9n          | 7158         | 33n3N                  | 11912E     | 59.4      | 99.7      | GGGG           |              |               |                | 129               | 37               |
| 2514-01515     | 00000/0000             | 2-20026/1899         | 06/19/76      | 9n          | 7158         | 3138N                  | 11847E     | 59.3      | 97.0      | GFGG           |              |               |                | 129               | 38               |
| 2514-01521     | 00000/0000             | 2-20026/1900         | 06/19/76      | 8n          | 7158         | 3013N                  | 11822E     | 59.2      | 94.4      | GGGG           |              |               |                | 129               | 39               |
| 2514-01524     | 00000/0000             | 2-20026/1901         | 06/19/76      | 8n          | 7158         | 2847N                  | 11758E     | 59.0      | 91.9      | GGGG           |              |               |                | 129               | 40               |
| 2514-01533     | 00000/0000             | 2-20027/0001         | 06/19/76      | 10n         | 7158         | 0839N                  | 11254E     | 51.0      | 63.2      | GGGG           |              |               |                | 129               | 54               |
| 2514-01535     | 00000/0000             | 2-20027/0002         | 06/19/76      | 7n          | 7158         | 0712N                  | 11234E     | 50.2      | 61.7      | GGGF           |              |               |                | 129               | 55               |
| 2514-01592     | 00000/0000             | 2-20027/0003         | 06/19/76      | 5n          | 7158         | 0545N                  | 11213E     | 49.3      | 60.3      | GGGG           |              |               |                | 129               | 56               |
| 2514-01594     | 00000/0000             | 2-20027/0004         | 06/19/76      | 1n          | 7158         | 0418N                  | 11154E     | 48.3      | 59.0      | FGGG           |              |               |                | 129               | 57               |
| 2514-02001     | 00000/0000             | 2-20027/0005         | 06/19/76      | 4n          | 7158         | 0252N                  | 11134E     | 47.4      | 57.8      | FGGG           |              |               |                | 129               | 58               |
| 2514-02003     | 00000/0000             | 2-20027/0006         | 06/19/76      | 3n          | 7158         | 0126N                  | 11115E     | 46.4      | 56.6      | GGGG           |              |               |                | 129               | 59               |
| 2514-02010     | 00000/0000             | 2-20027/0007         | 06/19/76      | 1n          | 7158         | 0040N                  | 11055E     | 45.4      | 55.5      | GGGG           |              |               |                | 129               | 60               |
| 2514-02012     | 00000/0000             | 2-20027/0008         | 06/19/76      | 2n          | 7158         | 0126S                  | 11035E     | 44.4      | 54.5      | GGGG           |              |               |                | 129               | 61               |
| 2514-02015     | 00000/0000             | 2-20027/0009         | 06/19/76      | 2n          | 7158         | 0222S                  | 11015E     | 43.4      | 53.5      | GGGG           |              |               |                | 129               | 62               |
| 2514-02021     | 00000/0000             | 2-20027/0010         | 06/19/76      | 1n          | 7158         | 0418S                  | 10955E     | 42.3      | 52.6      | GGGG           |              |               |                | 129               | 63               |
| 2514-02024     | 00000/0000             | 2-20027/0011         | 06/19/76      | 1n          | 7158         | 0544S                  | 10935E     | 41.3      | 51.7      | GGFG           |              |               |                | 129               | 64               |
| 2514-03280     | 00000/0000             | 2-20027/0026         | 06/19/76      | 1n          | 7159         | 5540N                  | 10226E     | 52.6      | 139.0     | GGGG           |              |               |                | 147               | 21               |
| 2514-03283     | 00000/0000             | 2-20026/1873         | 06/19/76      | 2n          | 7159         | 5416N                  | 10139E     | 53.4      | 136.8     | GGGG           |              |               |                | 147               | 22               |
| 2514-03285     | 00000/0000             | 2-20026/1874         | 06/19/76      | 2n          | 7159         | 5253N                  | 10055E     | 54.1      | 134.6     | GGGG           |              |               |                | 147               | 23               |
| 2514-03333     | 00000/0000             | 2-20026/1875         | 06/19/76      | 9n          | 7160         | 3718N                  | 09441E     | 59.2      | 107.6     | GGGG           |              |               |                | 147               | 34               |
| 2514-05105     | 00000/0000             | 2-20027/0027         | 06/19/76      | 2n          | 7160         | 57n3N                  | 07725E     | 51.8      | 141.2     | GGGG           |              |               |                | 165               | 20               |
| 2514-05112     | 00000/0000             | 2-20027/0028         | 06/19/76      | 2n          | 7160         | 5540N                  | 07635E     | 52.6      | 139.0     | GGGG           |              |               |                | 165               | 21               |
| 2514-05114     | 00000/0000             | 2-20027/0029         | 06/19/76      | 3n          | 7160         | 5416N                  | 07548E     | 53.4      | 136.8     | GGGG           |              |               |                | 165               | 22               |
| 2514-05121     | 00000/0000             | 2-20027/0030         | 06/19/76      | 3n          | 7160         | 5252N                  | 07504E     | 54.1      | 134.6     | GGGG           |              |               |                | 165               | 23               |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA<br>MODE | MSS<br>MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|--------------|--------------|-------------------|----------------------------|-----------------------------|-------------------------|------------------------|
| 2514-05123        | 00000/0000                                     | 2-20027/0031     | 06/19/76       | 60              | 7160                               | 5128N        | 07422E       | 54.8              | 132.4                      | GGFG                        |                         |                        |
| 2514-05130        | 00000/0000                                     | 2-20027/0032     | 06/19/76       | 90              | 7160                               | 5004N        | 07342E       | 55.5              | 130.1                      | GGGG                        | 165                     | 24                     |
| 2514-05132        | 00000/0000                                     | 2-20027/0033     | 06/19/76       | 80              | 7160                               | 4839N        | 07304E       | 56.1              | 127.7                      | GGGG                        | 165                     | 25                     |
| 2514-05150        | 00000/0000                                     | 2-20027/0034     | 06/19/76       | 10              | 7160                               | 4259N        | 07048E       | 58.1              | 117.9                      | GGGG                        | 165                     | 26                     |
| 2514-05153        | 00000/0000                                     | 2-20027/0035     | 06/19/76       | 10              | 7160                               | 4135N        | 07017E       | 58.4              | 115.4                      | GGGG                        | 165                     | 30                     |
| 2514-05155        | 00000/0000                                     | 2-20027/0036     | 06/19/76       | 10              | 7160                               | 4010N        | 06948E       | 58.7              | 112.8                      | GGGG                        | 165                     | 31                     |
| 2514-05162        | 00000/0000                                     | 2-20027/0037     | 06/19/76       | 10              | 7160                               | 3845N        | 06918E       | 59.0              | 110.2                      | GGGG                        | 165                     | 32                     |
| 2514-05164        | 00000/0000                                     | 2-20027/0038     | 06/19/76       | 10              | 7160                               | 3719N        | 06850E       | 59.2              | 107.6                      | GGGG                        | 165                     | 33                     |
| 2514-06525        | 00000/0000                                     | 2-20026/1876     | 06/19/76       | 70              | 7161                               | 6113N        | 05433E       | 49.2              | 147.6                      | GGGG                        | 165                     | 34                     |
| 2514-06532        | 00000/0000                                     | 2-20026/1877     | 06/19/76       | 40              | 7161                               | 5950N        | 05331E       | 50.1              | 145.5                      | GGGG                        | 183                     | 17                     |
| 2514-06534        | 00000/0000                                     | 2-20026/1878     | 06/19/76       | 50              | 7161                               | 5827N        | 05233E       | 51.0              | 143.3                      | GGGG                        | 183                     | 18                     |
| 2514-06541        | 00000/0000                                     | 2-20026/1879     | 06/19/76       | 70              | 7161                               | 5704N        | 05139E       | 51.8              | 141.2                      | GGGG                        | 183                     | 19                     |
| 2514-06543        | 00000/0000                                     | 2-20026/1880     | 06/19/76       | 70              | 7161                               | 5540N        | 05049E       | 52.6              | 139.0                      | GGGG                        | 183                     | 20                     |
| 2514-06550        | 00000/0000                                     | 2-20026/1881     | 06/19/76       | 50              | 7161                               | 5417N        | 05002E       | 53.4              | 136.8                      | GGGG                        | 183                     | 21                     |
| 2514-06552        | 00000/0000                                     | 2-20026/1882     | 06/19/76       | 60              | 7161                               | 5253N        | 04917E       | 54.1              | 134.6                      | GGGG                        | 183                     | 22                     |
| 2514-06555        | 00000/0000                                     | 2-20026/1883     | 06/19/76       | 70              | 7161                               | 5129N        | 04835E       | 54.8              | 132.3                      | GGGG                        | 183                     | 23                     |
| 2514-06561        | 00000/0000                                     | 2-20026/1884     | 06/19/76       | 90              | 7161                               | 5004N        | 04755E       | 55.5              | 130.0                      | GGGG                        | 183                     | 24                     |
| 2514-06564        | 00000/0000                                     | 2-20026/1885     | 06/19/76       | 90              | 7161                               | 4840N        | 04717E       | 56.1              | 127.7                      | GGGG                        | 183                     | 25                     |
| 2514-06570        | 00000/0000                                     | 2-20026/1886     | 06/19/76       | 90              | 7161                               | 4715N        | 04641E       | 56.7              | 125.3                      | GGGG                        | 183                     | 26                     |
| 2514-06573        | 00000/0000                                     | 2-20026/1887     | 06/19/76       | 60              | 7161                               | 4550N        | 04606E       | 57.2              | 122.9                      | GGGG                        | 183                     | 27                     |
| 2514-06575        | 00000/0000                                     | 2-20026/1888     | 06/19/76       | 50              | 7161                               | 4425N        | 04533E       | 57.6              | 120.4                      | GGGG                        | 183                     | 28                     |
| 2514-06582        | 00000/0000                                     | 2-20026/1889     | 06/19/76       | 50              | 7161                               | 4300N        | 04500E       | 58.1              | 117.9                      | GGGG                        | 183                     | 29                     |
| 2514-06584        | 00000/0000                                     | 2-20026/1890     | 06/19/76       | 20              | 7161                               | 4135N        | 04430E       | 58.4              | 115.4                      | GGGG                        | 183                     | 30                     |
| 2514-06591        | 00000/0000                                     | 2-20026/1891     | 06/19/76       | 20              | 7161                               | 4010N        | 04400E       | 58.7              | 112.8                      | GGGG                        | 183                     | 31                     |
| 2514-08363        | 00000/0000                                     | 2-20027/0066     | 06/19/76       | 100             | 7162                               | 5949N        | 02741E       | 50.1              | 145.5                      | GGGG                        | 201                     | 18                     |
| 2514-08370        | 00000/0000                                     | 2-20027/0067     | 06/19/76       | 90              | 7162                               | 5827N        | 02643E       | 51.0              | 143.3                      | GGG                         | 201                     | 19                     |
| 2514-08372        | 00000/0000                                     | 2-20027/0068     | 06/19/76       | 80              | 7162                               | 5704N        | 02550E       | 51.8              | 141.2                      | GGGG                        | 201                     | 20                     |
| 2514-08375        | 00000/0000                                     | 2-20027/0069     | 06/19/76       | 90              | 7162                               | 5540N        | 02459E       | 52.6              | 139.0                      | GGGG                        | 201                     | 21                     |
| 2514-08381        | 00000/0000                                     | 2-20027/0039     | 06/19/76       | 90              | 7162                               | 5416N        | 02412E       | 53.4              | 136.8                      | G                           | 201                     | 22                     |
| 2514-08384        | 00000/0000                                     | 2-20027/0040     | 06/19/76       | 60              | 7162                               | 5252N        | 02327E       | 54.1              | 134.6                      | GGG                         | 201                     | 23                     |
| 2514-08390        | 00000/0000                                     | 2-20027/0041     | 06/19/76       | 40              | 7162                               | 5128N        | 02245E       | 54.8              | 132.3                      | GGGG                        | 201                     | 24                     |
| 2514-08393        | 00000/0000                                     | 2-20027/0042     | 06/19/76       | 50              | 7162                               | 5004N        | 02205E       | 55.5              | 130.0                      | GGGG                        | 201                     | 25                     |
| 2514-08493        | 00000/0000                                     | 2-20026/1848     | 06/19/76       | 10              | 7162                               | 4839N        | 02128E       | 56.1              | 127.7                      | GGGG                        | 201                     | 26                     |
| 2514-08495        | 00000/0000                                     | 2-20026/1849     | 06/19/76       | 70              | 7162                               | 1549N        | 01121E       | 54.9              | 71.6                       | GGGG                        | 201                     | 49                     |
| 2514-08495        | 00000/0000                                     | 2-20026/1850     | 06/19/76       | 50              | 7162                               | 1423N        | 01100E       | 54.2              | 69.8                       | GGGG                        | 201                     | 50                     |
| 2514-08502        | 00000/0000                                     | 2-20026/1851     | 06/19/76       | 60              | 7162                               | 1257N        | 01039E       | 53.4              | 68.0                       | GGGG                        | 201                     | 51                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2514-12010        | 00000/0000                   | 2-20026/1852                | 06/19/76         | 100            | 7164            | 6639N                              | 01746W                              | 45.4         | 156.6        | GGGG                               |                     |                      | 237                     | 13                     |
| 2514-12012        | 00000/0000                   | 2-20026/1853                | 06/19/76         | 80             | 7164            | 6519N                              | 01915W                              | 46.4         | 154.3        | GGGG                               |                     |                      | 237                     | 14                     |
| 2514-12015        | 00000/0000                   | 2-20026/1854                | 06/19/76         | 40             | 7164            | 6348N                              | 02035W                              | 47.3         | 152.0        | GGGG                               |                     |                      | 237                     | 15                     |
| 2514-12021        | 00000/0000                   | 2-20026/1855                | 06/19/76         | 10             | 7164            | 6236N                              | 02147W                              | 48.3         | 149.8        | GGGG                               |                     |                      | 237                     | 16                     |
| 2514-12262        | 00000/0000                   | 2-20026/1856                | 06/19/76         | 0              | 7164            | 2004S                              | 04443W                              | 30.0         | 45.6         | PPPP                               |                     |                      | 237                     | 74                     |
| 2514-12265        | 00000/0000                   | 2-20026/1857                | 06/19/76         | 10             | 7164            | 2130S                              | 04906W                              | 28.8         | 45.2         | GGGG                               |                     |                      | 237                     | 75                     |
| 2514-12271        | 00000/0000                   | 2-20026/1858                | 06/19/76         | 10             | 7164            | 2246S                              | 04928W                              | 27.6         | 44.9         | FFFF                               |                     |                      | 237                     | 76                     |
| 2514-12274        | 00000/0000                   | 2-20026/1872                | 06/19/76         | 10             | 7164            | 2423S                              | 04950W                              | 26.4         | 44.5         | P                                  |                     |                      | 237                     | 77                     |
| 2514-12280        | 00000/0000                   | 2-20026/1859                | 06/19/76         | 10             | 7164            | 2548S                              | 05012W                              | 25.2         | 44.3         | GGGG                               |                     |                      | 237                     | 78                     |
| 2514-12283        | 00000/0000                   | 2-20026/1860                | 06/19/76         | 20             | 7164            | 2714S                              | 05034W                              | 24.0         | 44.0         | GGGG                               |                     |                      | 237                     | 79                     |
| 2514-12285        | 00000/0000                   | 2-20026/1861                | 06/19/76         | 30             | 7164            | 2839S                              | 05058W                              | 22.8         | 43.8         | GGGG                               |                     |                      | 237                     | 80                     |
| 2514-14071        | 00000/0000                   | 2-20027/0043                | 06/19/76         | 40             | 7165            | 1129S                              | 07227W                              | 36.9         | 48.7         | FGGG                               |                     |                      | 4                       | 68                     |
| 2514-15241        | 00000/0000                   | 2-20027/0044                | 06/19/76         | 100            | 7166            | 7634N                              | 04446W                              | 36.9         | 182.4        | GGGG                               |                     |                      | 22                      | 5                      |
| 2514-15244        | 00000/0000                   | 2-20027/0045                | 06/19/76         | 100            | 7166            | 7527N                              | 05242W                              | 38.0         | 178.0        | GGGG                               |                     |                      | 22                      | 6                      |
| 2514-15282        | 00000/0000                   | 2-20026/1862                | 06/19/76         | 100            | 7166            | 6357N                              | 07210W                              | 47.3         | 152.0        | GGGG                               |                     |                      | 22                      | 15                     |
| 2514-15285        | 00000/0000                   | 2-20026/1863                | 06/19/76         | 100            | 7166            | 6236N                              | 07322W                              | 48.3         | 149.8        | GGGG                               |                     |                      | 22                      | 16                     |
| 2514-15291        | 00000/0000                   | 2-20026/1864                | 06/19/76         | 80             | 7166            | 6114N                              | 07430W                              | 49.2         | 147.6        | GGGG                               |                     |                      | 22                      | 17                     |
| 2514-15294        | 00000/0000                   | 2-20026/1865                | 06/19/76         | 10             | 7166            | 5952N                              | 07532W                              | 50.1         | 145.5        | GGGG                               |                     |                      | 22                      | 18                     |
| 2514-15300        | 00000/0000                   | 2-20026/1866                | 06/19/76         | 20             | 7166            | 5829N                              | 07630W                              | 50.9         | 143.3        | GGGG                               |                     |                      | 22                      | 19                     |
| 2514-15303        | 00000/0000                   | 2-20026/1867                | 06/19/76         | 70             | 7166            | 5705N                              | 07723W                              | 51.8         | 141.2        | GGGG                               |                     |                      | 22                      | 20                     |
| 2514-15305        | 00000/0000                   | 2-20026/1868                | 06/19/76         | 90             | 7166            | 5542N                              | 07814W                              | 52.6         | 139.0        | GGGG                               |                     |                      | 22                      | 21                     |
| 2514-15312        | 00000/0000                   | 2-20026/1869                | 06/19/76         | 100            | 7166            | 5418N                              | 07901W                              | 53.4         | 136.8        | GGGG                               |                     |                      | 22                      | 22                     |
| 2514-15314        | 00000/0000                   | 2-20026/1870                | 06/19/76         | 90             | 7166            | 5254N                              | 07945W                              | 54.1         | 134.6        | GGGG                               |                     |                      | 22                      | 23                     |
| 2514-15323        | 00000/0000                   | 2-20026/1871                | 06/19/76         | 50             | 7166            | 5066N                              | 08108W                              | 55.4         | 130.1        | GGGG                               |                     |                      | 22                      | 25                     |
| 2514-17055        | 00000/0000                   | 2-20027/0046                | 06/19/76         | 0              | 7167            | 8027N                              | 05111W                              | 32.4         | 207.4        | GGGG                               |                     |                      | 40                      | 1                      |
| 2514-17214        | 00000/0000                   | 2-20027/0275                | 06/19/76         | 0              | 7167            | 3013N                              | 11358W                              | 59.2         | 94.4         | GGGF                               |                     |                      | 40                      | 39                     |
| 2514-20354        | 00000/0000                   | 2-20027/0262                | 06/19/76         | 40             | 7169            | 7150N                              | 13908W                              | 41.3         | 167.2        | GGGG                               |                     |                      | 76                      | 9                      |
| 2514-22192        | 00000/0000                   | 2-20027/0263                | 06/19/76         | 60             | 7170            | 7034N                              | 16713W                              | 42.3         | 164.3        | GGGG                               |                     |                      | 94                      | 10                     |
| 2514-22195        | 00000/0000                   | 2-20027/0264                | 06/19/76         | 80             | 7170            | 6916N                              | 16914W                              | 43.4         | 161.6        | GGGG                               |                     |                      | 94                      | 11                     |
| 2515-00085        | 00000/0000                   | 2-20027/0047                | 06/20/76         | 70             | 7171            | 5002N                              | 14944E                              | 55.5         | 130.0        | FGGG                               |                     |                      | 112                     | 25                     |
| 2515-00092        | 00000/0000                   | 2-20027/0048                | 06/20/76         | 90             | 7171            | 4838N                              | 14906E                              | 56.1         | 127.6        | GGGG                               |                     |                      | 112                     | 26                     |
| 2515-00094        | 00000/0000                   | 2-20027/0049                | 06/20/76         | 80             | 7171            | 4715N                              | 14830E                              | 56.6         | 125.2        | GGGG                               |                     |                      | 112                     | 27                     |
| 2515-00101        | 00000/0000                   | 2-20027/0050                | 06/20/76         | 70             | 7171            | 4550N                              | 14755E                              | 57.2         | 122.8        | GGGG                               |                     |                      | 112                     | 28                     |
| 2515-00103        | 00000/0000                   | 2-20027/0051                | 06/20/76         | 90             | 7171            | 4425N                              | 14722E                              | 57.6         | 120.4        | GGGG                               |                     |                      | 112                     | 29                     |
| 2515-00110        | 00000/0000                   | 2-20027/0052                | 06/20/76         | 80             | 7171            | 4300N                              | 14650E                              | 58.0         | 117.8        | GGGG                               |                     |                      | 112                     | 30                     |
| 2515-01500        | 00000/0000                   | 2-20027/0053                | 06/20/76         | 80             | 7172            | 5704N                              | 12740E                              | 51.8         | 141.1        | GGGG                               |                     |                      | 130                     | 20                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LSW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2515-01503        | 00000/0000                   | 2-20027/0054                | 06/20/76         | 90             | 7172                   | 5541N                        | 12450E        | 52.6         | 138.9        | GGGG                               |                     |                      | 130                     | 21                     |
| 2515-01514        | 00000/0000                   | 2-20027/0140                | 06/20/76         | 90             | 7172                   | 5129N                        | 12435E        | 54.8         | 132.2        | GGGG                               |                     |                      | 130                     | 24                     |
| 2515-01521        | 00000/0000                   | 2-20027/0141                | 06/20/76         | 60             | 7172                   | 5045N                        | 12356E        | 55.5         | 130.0        | GGGG                               |                     |                      | 130                     | 25                     |
| 2515-01523        | 00000/0000                   | 2-20027/0142                | 06/20/76         | 40             | 7172                   | 4840N                        | 12318E        | 56.1         | 127.6        | GGGG                               |                     |                      | 130                     | 26                     |
| 2515-01530        | 00000/0000                   | 2-20027/0143                | 06/20/76         | 20             | 7172                   | 4715N                        | 12241E        | 56.6         | 125.2        | GGGG                               |                     |                      | 130                     | 27                     |
| 2515-01532        | 00000/0000                   | 2-20027/0144                | 06/20/76         | 10             | 7172                   | 4541N                        | 12206E        | 57.2         | 122.8        | GGGG                               |                     |                      | 130                     | 28                     |
| 2515-01535        | 00000/0000                   | 2-20027/0145                | 06/20/76         | 0              | 7172                   | 4426N                        | 12132E        | 57.6         | 120.3        | GGGG                               |                     |                      | 130                     | 29                     |
| 2515-01541        | 00000/0000                   | 2-20027/0146                | 06/20/76         | 30             | 7172                   | 4301N                        | 12100E        | 58.0         | 117.8        | GGGG                               |                     |                      | 130                     | 30                     |
| 2515-01544        | 00000/0000                   | 2-20027/0147                | 06/20/76         | 60             | 7172                   | 4125N                        | 12030E        | 58.4         | 115.3        | GGGG                               |                     |                      | 130                     | 31                     |
| 2515-01550        | 00000/0000                   | 2-20027/0148                | 06/20/76         | 60             | 7172                   | 4010N                        | 12001E        | 58.7         | 112.7        | GGGG                               |                     |                      | 130                     | 32                     |
| 2515-01553        | 00000/0000                   | 2-20027/0149                | 06/20/76         | 100            | 7172                   | 3844N                        | 11933E        | 58.9         | 110.1        | GGGG                               |                     |                      | 130                     | 33                     |
| 2515-01555        | 00000/0000                   | 2-20027/0150                | 06/20/76         | 100            | 7172                   | 3719N                        | 11906E        | 59.1         | 107.5        | GGGG                               |                     |                      | 130                     | 34                     |
| 2515-01562        | 00000/0000                   | 2-20027/0151                | 06/20/76         | 100            | 7172                   | 3543N                        | 11839E        | 59.3         | 104.8        | GGGG                               |                     |                      | 130                     | 35                     |
| 2515-01564        | 00000/0000                   | 2-20027/0152                | 06/20/76         | 100            | 7172                   | 3427N                        | 11812E        | 59.3         | 102.2        | GGGG                               |                     |                      | 130                     | 36                     |
| 2515-01571        | 00000/0000                   | 2-20027/0153                | 06/20/76         | 90             | 7172                   | 3302N                        | 11746E        | 59.3         | 99.5         | GGGG                               |                     |                      | 130                     | 37                     |
| 2515-01573        | 00000/0000                   | 2-20027/0154                | 06/20/76         | 50             | 7172                   | 3126N                        | 11721E        | 59.3         | 96.9         | FFFF                               |                     |                      | 130                     | 38                     |
| 2515-01580        | 00000/0000                   | 2-20027/0155                | 06/20/76         | 40             | 7172                   | 3011N                        | 11656E        | 59.1         | 94.3         | GGGG                               |                     |                      | 130                     | 39                     |
| 2515-02082        | 00000/0000                   | 2-20027/0156                | 06/20/76         | 10             | 7172                   | 0545S                        | 10A08E        | 41.2         | 51.7         | GGGG                               |                     |                      | 130                     | 64                     |
| 2515-02085        | 00000/0000                   | 2-20027/0157                | 06/20/76         | 10             | 7172                   | 0712S                        | 10748E        | 40.1         | 50.9         | GGGG                               |                     |                      | 130                     | 65                     |
| 2515-03332        | 00000/0000                   | 2-20027/02070               | 06/20/76         | 40             | 7173                   | 5702N                        | 10150E        | 51.8         | 141.1        | GGGG                               |                     |                      | 148                     | 20                     |
| 2515-03334        | 00000/0000                   | 2-20027/02071               | 06/20/76         | 40             | 7173                   | 5549N                        | 10100E        | 52.6         | 138.9        | GGGG                               |                     |                      | 148                     | 21                     |
| 2515-03341        | 00000/0000                   | 2-20027/02072               | 06/20/76         | 20             | 7173                   | 5415N                        | 10013E        | 53.4         | 136.7        | GGGG                               |                     |                      | 148                     | 22                     |
| 2515-05184        | 00000/0000                   | 2-20026/1728                | 06/20/76         | 60             | 7174                   | 5002N                        | 07216E        | 55.5         | 129.9        | GGGG                               |                     |                      | 166                     | 25                     |
| 2515-05190        | 00000/0000                   | 2-20026/1729                | 06/20/76         | 70             | 7174                   | 4847N                        | 07138E        | 56.1         | 127.6        | GGGG                               |                     |                      | 166                     | 26                     |
| 2515-05193        | 00000/0000                   | 2-20026/1730                | 06/20/76         | 50             | 7174                   | 4713N                        | 07102E        | 56.6         | 125.2        | GGGG                               |                     |                      | 166                     | 27                     |
| 2515-05204        | 00000/0000                   | 2-20026/1731                | 06/20/76         | 0              | 7174                   | 4259N                        | 06922E        | 58.0         | 117.8        | GGGG                               |                     |                      | 166                     | 30                     |
| 2515-05211        | 00000/0000                   | 2-20026/1732                | 06/20/76         | 0              | 7174                   | 4133N                        | 06851E        | 58.4         | 115.3        | GGGG                               |                     |                      | 166                     | 31                     |
| 2515-05213        | 00000/0000                   | 2-20026/1733                | 06/20/76         | 10             | 7174                   | 4008N                        | 06821E        | 58.7         | 112.7        | GGGG                               |                     |                      | 166                     | 32                     |
| 2515-05220        | 00000/0000                   | 2-20026/1734                | 06/20/76         | 10             | 7174                   | 3843N                        | 06752E        | 58.9         | 110.1        | GGGG                               |                     |                      | 166                     | 33                     |
| 2515-05222        | 00000/0000                   | 2-20027/0158                | 06/20/76         | 10             | 7174                   | 3718N                        | 06724E        | 59.1         | 107.4        | GGGG                               |                     |                      | 166                     | 34                     |
| 2515-06584        | 00000/0000                   | 2-20027/0159                | 06/20/76         | 90             | 7175                   | 6111N                        | 05306E        | 49.2         | 147.5        | GGGG                               |                     |                      | 184                     | 17                     |
| 2515-06590        | 00000/0000                   | 2-20027/0160                | 06/20/76         | 90             | 7175                   | 5949N                        | 05204E        | 50.1         | 145.4        | GGGG                               |                     |                      | 184                     | 18                     |
| 2515-06593        | 00000/0000                   | 2-20027/0161                | 06/20/76         | 90             | 7175                   | 5826N                        | 05107E        | 51.0         | 143.2        | GGGG                               |                     |                      | 184                     | 19                     |
| 2515-06595        | 00000/0000                   | 2-20027/0162                | 06/20/76         | 70             | 7175                   | 5703N                        | 05013E        | 51.8         | 141.0        | GGGG                               |                     |                      | 184                     | 20                     |
| 2515-07002        | 00000/0000                   | 2-20027/0163                | 06/20/76         | 60             | 7175                   | 5540N                        | 04923E        | 52.6         | 138.9        | GGGG                               |                     |                      | 184                     | 21                     |
| 2515-07004        | 00000/0000                   | 2-20027/0164                | 06/20/76         | 40             | 7175                   | 5416N                        | 04836E        | 53.4         | 136.7        | GGGG                               |                     |                      | 184                     | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2515-07011        | 00000/0000                   | 2-20027/0165                | 06/20/76         | 50             | 7175            | 5252N                        | 04752E        | 54.1         | 134.5        | GGGG                               |                     |                      | 184                     | 23                     |
| 2515-07013        | 00000/0000                   | 2-20027/0166                | 06/20/76         | 30             | 7175            | 5128N                        | 04710E        | 54.8         | 132.2        | GGGG                               |                     |                      | 184                     | 24                     |
| 2515-07020        | 00000/0000                   | 2-20027/0167                | 06/20/76         | 20             | 7175            | 5003N                        | 04630E        | 55.5         | 129.9        | GGGG                               |                     |                      | 184                     | 25                     |
| 2515-07022        | 00000/0000                   | 2-20027/0168                | 06/20/76         | 20             | 7175            | 4839N                        | 04551E        | 56.1         | 127.6        | GGGG                               |                     |                      | 184                     | 26                     |
| 2515-07025        | 00000/0000                   | 2-20027/0169                | 06/20/76         | 20             | 7175            | 4714N                        | 04515E        | 56.6         | 125.2        | GGGG                               |                     |                      | 184                     | 27                     |
| 2515-07031        | 00000/0000                   | 2-20027/0170                | 06/20/76         | 50             | 7175            | 4549N                        | 04440E        | 57.2         | 122.8        | GGGG                               |                     |                      | 184                     | 28                     |
| 2515-07034        | 00000/0000                   | 2-20027/0171                | 06/20/76         | 70             | 7175            | 4424N                        | 04407E        | 57.6         | 120.3        | GGGG                               |                     |                      | 184                     | 29                     |
| 2515-07040        | 00000/0000                   | 2-20027/0172                | 06/20/76         | 60             | 7175            | 4259N                        | 04325E        | 58.0         | 117.8        | GGGG                               |                     |                      | 184                     | 30                     |
| 2515-07043        | 00000/0000                   | 2-20027/0173                | 06/20/76         | 60             | 7175            | 4133N                        | 04303E        | 58.4         | 115.2        | GGGG                               |                     |                      | 184                     | 31                     |
| 2515-08424        | 00000/0000                   | 2-20026/1735                | 06/20/76         | 90             | 7176            | 5829N                        | 02519E        | 50.9         | 143.3        | GGGG                               |                     |                      | 202                     | 19                     |
| 2515-08431        | 00000/0000                   | 2-20026/1736                | 06/20/76         | 90             | 7176            | 5706N                        | 02426E        | 51.8         | 141.1        | GGFG                               |                     |                      | 202                     | 20                     |
| 2515-08433        | 00000/0000                   | 2-20026/1737                | 06/20/76         | 90             | 7176            | 5542N                        | 02336E        | 52.6         | 139.0        | GGGG                               |                     |                      | 202                     | 21                     |
| 2515-08440        | 00000/0000                   | 2-20026/1738                | 06/20/76         | 90             | 7176            | 5419N                        | 02249E        | 53.4         | 136.8        | GGGG                               |                     |                      | 202                     | 22                     |
| 2515-12321        | 00000/0000                   | 2-20026/1739                | 06/20/76         | 0              | 7178            | 2006S                        | 05010W        | 29.9         | 45.6         | GGGG                               |                     |                      | 238                     | 74                     |
| 2515-12330        | 00000/0000                   | 2-20026/1740                | 06/20/76         | 10             | 7178            | 2258S                        | 05053W        | 27.5         | 44.9         | GGGF                               |                     |                      | 238                     | 76                     |
| 2515-12332        | 00000/0000                   | 2-20026/1741                | 06/20/76         | 10             | 7178            | 2424S                        | 05116W        | 26.3         | 44.6         | GGFG                               |                     |                      | 238                     | 77                     |
| 2515-12335        | 00000/0000                   | 2-20027/0097                | 06/20/76         | 0              | 7178            | 2500S                        | 05139W        | 25.1         | 44.3         | P PF                               |                     |                      | 238                     | 78                     |
| 2515-12341        | 00000/0000                   | 2-20027/0099                | 06/20/76         | 10             | 7178            | 2715S                        | 05202W        | 23.9         | 44.1         | GGGG                               |                     |                      | 238                     | 79                     |
| 2515-12344        | 00000/0000                   | 2-20027/0100                | 06/20/76         | 10             | 7178            | 2841S                        | 05226W        | 22.7         | 43.8         | FFFF                               |                     |                      | 238                     | 80                     |
| 2515-12350        | 00000/0000                   | 2-20027/0098                | 06/20/76         | 30             | 7178            | 3007S                        | 05250W        | 21.5         | 43.7         | F FF                               |                     |                      | 238                     | 81                     |
| 2515-13532        | 00000/0000                   | 2-20026/1725                | 06/20/76         | 40             | 7179            | 5541N                        | 05350W        | 52.6         | 138.9        | GGGG                               |                     |                      | 5                       | 21                     |
| 2515-14125        | 00000/0000                   | 2-20027/0101                | 06/20/76         | 90             | 7179            | 1130S                        | 07353W        | 36.8         | 48.8         | GGGG                               |                     |                      | 5                       | 68                     |
| 2515-14132        | 00000/0000                   | 2-20027/0102                | 06/20/76         | 80             | 7179            | 1256S                        | 07414W        | 35.7         | 48.1         | GGGG                               |                     |                      | 5                       | 69                     |
| 2515-15290        | 00000/0000                   | 2-20027/0103                | 06/20/76         | 100            | 7180            | 7833N                        | 04027W        | 34.7         | 193.1        | GGGG                               |                     |                      | 23                      | 3                      |
| 2515-15375        | 00000/0000                   | 2-20026/1726                | 06/20/76         | 80             | 7180            | 5129N                        | 08156W        | 56.8         | 132.2        | GGGG                               |                     |                      | 23                      | 24                     |
| 2515-15381        | 00000/0000                   | 2-20026/1727                | 06/20/76         | 10             | 7180            | 5005N                        | 08236W        | 55.4         | 129.9        | GGGF                               |                     |                      | 23                      | 25                     |
| 2515-17113        | 2-20029/0182                 | 00000/0000                  | 06/20/76         | 20             | 7181            | 8004N                        | 05305W        | 32.5         | 206.8        | G                                  |                     |                      | 41                      | 1                      |
| 2515-17120        | 2-20029/0183                 | 00000/0000                  | 06/20/76         | 10             | 7181            | 7921N                        | 06015W        | 33.6         | 199.3        | GGG                                |                     |                      | 41                      | 2                      |
| 2515-17122        | 2-20029/0184                 | 00000/0000                  | 06/20/76         | 20             | 7181            | 7829N                        | 06625W        | 34.7         | 192.7        | G G                                |                     |                      | 41                      | 3                      |
| 2515-17125        | 2-20029/0185                 | 00000/0000                  | 06/20/76         | 70             | 7181            | 7732N                        | 07142W        | 35.9         | 187.0        | GGG                                |                     |                      | 41                      | 4                      |
| 2515-17193        | 00000/0000                   | 2-20027/0200                | 06/20/76         | 80             | 7181            | 5705N                        | 10439W        | 51.8         | 141.0        | GGGG                               |                     |                      | 41                      | 20                     |
| 2515-17195        | 00000/0000                   | 2-20027/0201                | 06/20/76         | 90             | 7181            | 5541N                        | 10529W        | 52.6         | 138.9        | GGGG                               |                     |                      | 41                      | 21                     |
| 2515-17211        | 00000/0000                   | 2-20027/0202                | 06/20/76         | 10             | 7181            | 5129N                        | 10743W        | 54.8         | 132.2        | GGGG                               |                     |                      | 41                      | 24                     |
| 2515-17272        | 00000/0000                   | 2-20027/0203                | 06/20/76         | 10             | 7181            | 3011N                        | 11525W        | 59.1         | 94.3         | GGGG                               |                     |                      | 41                      | 39                     |
| 2515-18540        | 2-20029/0186                 | 00000/0000                  | 06/20/76         | 10             | 7182            | 8057N                        | 06203W        | 30.1         | 224.2        | GGF                                |                     |                      | 48                      | 246                    |
| 2515-18542        | 2-20029/0187                 | 00000/0000                  | 06/20/76         | 30             | 7182            | 8036N                        | 07056W        | 31.3         | 215.1        | GGG                                |                     |                      | 42                      | 248                    |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBY | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>PRINT<br>OF IMAGE<br>LAT | SUN<br>FLEV.<br>AZIM. | IMAGE=QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|---------------------------------------|-----------------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2515-20380        | 00000/0000                   | 2-20027/0265                | 06/20/76         | 50             | 7183                   | 8005N                                 | 10422W                | 32.4                               | 207.1               | GGGG                 | 77                      | 1                      |
| 2515-20383        | 00000/0000                   | 2-20027/0266                | 06/20/76         | 60             | 7183                   | 7923N                                 | 11135W                | 33.6                               | 199.6               | GGGG                 | 77                      | 2                      |
| 2515-20385        | 00000/0000                   | 2-20027/0267                | 06/20/76         | 10             | 7183                   | 7832N                                 | 11750W                | 34.7                               | 193.0               | GGGG                 | 77                      | 3                      |
| 2515-20392        | 00000/0000                   | 2-20027/0268                | 06/20/76         | 10             | 7183                   | 7735N                                 | 12314W                | 35.8                               | 187.2               | GGGG                 | 77                      | 4                      |
| 2515-20394        | 00000/0000                   | 2-20027/0269                | 06/20/76         | 10             | 7183                   | 7632N                                 | 12750W                | 36.9                               | 182.2               | GGGG                 | 77                      | 5                      |
| 2515-20401        | 00000/0000                   | 2-20027/0270                | 06/20/76         | 10             | 7183                   | 7526N                                 | 13146W                | 38.0                               | 177.8               | GGGG                 | 77                      | 6                      |
| 2515-20403        | 00000/0000                   | 2-20027/0271                | 06/20/76         | 0              | 7183                   | 7416N                                 | 13510W                | 39.1                               | 173.8               | GGGG                 | 77                      | 7                      |
| 2515-20410        | 00000/0000                   | 2-20027/0272                | 06/20/76         | 0              | 7183                   | 7303N                                 | 13806W                | 40.2                               | 170.3               | GGGG                 | 77                      | 8                      |
| 2515-20412        | 00000/0000                   | 2-20027/0273                | 06/20/76         | 10             | 7183                   | 7149N                                 | 14040W                | 41.3                               | 167.1               | GGGG                 | 77                      | 9                      |
| 2515-22253        | 00000/0000                   | 2-20027/0274                | 06/20/76         | 90             | 7184                   | 6915N                                 | 17046W                | 43.4                               | 161.4               | GGGG                 | 95                      | 11                     |
| 2516-01561        | 00000/0000                   | 2-20027/0104                | 06/21/76         | 70             | 7186                   | 5539N                                 | 12522E                | 52.6                               | 138.8               | GGGG                 | 131                     | 21                     |
| 2516-01575        | 00000/0000                   | 2-20027/0105                | 06/21/76         | 60             | 7186                   | 5003N                                 | 12230E                | 55.4                               | 129.8               | GGGG                 | 131                     | 25                     |
| 2516-01582        | 00000/0000                   | 2-20027/0106                | 06/21/76         | 70             | 7186                   | 4839N                                 | 12151E                | 56.0                               | 127.5               | GGGG                 | 131                     | 26                     |
| 2516-01584        | 00000/0000                   | 2-20027/0107                | 06/21/76         | 40             | 7186                   | 4715N                                 | 12114E                | 56.6                               | 125.1               | GGGG                 | 131                     | 27                     |
| 2516-01591        | 00000/0000                   | 2-20027/0108                | 06/21/76         | 10             | 7186                   | 4600N                                 | 12039E                | 57.1                               | 122.7               | GGGG                 | 131                     | 28                     |
| 2516-01593        | 00000/0000                   | 2-20027/0109                | 06/21/76         | 10             | 7186                   | 4424N                                 | 12006E                | 57.6                               | 120.2               | GGGG                 | 131                     | 29                     |
| 2516-02000        | 00000/0000                   | 2-20027/0110                | 06/21/76         | 30             | 7186                   | 4300N                                 | 11935E                | 58.0                               | 117.7               | GGGG                 | 131                     | 30                     |
| 2516-02002        | 00000/0000                   | 2-20027/0111                | 06/21/76         | 80             | 7186                   | 4134N                                 | 11904E                | 58.4                               | 115.2               | GGGG                 | 131                     | 31                     |
| 2516-02005        | 00000/0000                   | 2-20027/0112                | 06/21/76         | 90             | 7186                   | 4009N                                 | 11834E                | 58.7                               | 112.6               | GGGG                 | 131                     | 32                     |
| 2516-02011        | 00000/0000                   | 2-20027/0113                | 06/21/76         | 90             | 7186                   | 3843N                                 | 11805E                | 58.9                               | 110.0               | GGGG                 | 131                     | 33                     |
| 2516-02014        | 00000/0000                   | 2-20027/0114                | 06/21/76         | 90             | 7186                   | 3717N                                 | 11737E                | 59.1                               | 107.4               | GGGG                 | 131                     | 34                     |
| 2516-02020        | 00000/0000                   | 2-20027/0115                | 06/21/76         | 100            | 7186                   | 3542N                                 | 11710E                | 59.2                               | 104.7               | GGGG                 | 131                     | 35                     |
| 2516-02023        | 00000/0000                   | 2-20027/0116                | 06/21/76         | 100            | 7186                   | 3427N                                 | 11645E                | 59.3                               | 102.1               | GGGG                 | 131                     | 36                     |
| 2516-02025        | 00000/0000                   | 2-20027/0117                | 06/21/76         | 90             | 7186                   | 3322N                                 | 11619E                | 59.3                               | 99.5                | GGGG                 | 131                     | 37                     |
| 2516-02032        | 00000/0000                   | 2-20027/0118                | 06/21/76         | 50             | 7186                   | 3136N                                 | 11554E                | 59.2                               | 96.8                | GGGG                 | 131                     | 38                     |
| 2516-02034        | 00000/0000                   | 2-20027/0119                | 06/21/76         | 40             | 7186                   | 3009N                                 | 11529E                | 59.1                               | 94.3                | GGGG                 | 131                     | 39                     |
| 2516-02141        | 00000/0000                   | 2-20027/0120                | 06/21/76         | 10             | 7186                   | 0548S                                 | 10642E                | 41.1                               | 51.7                | GGGG                 | 131                     | 64                     |
| 2516-02143        | 00000/0000                   | 2-20027/0121                | 06/21/76         | 10             | 7186                   | 0714S                                 | 10622E                | 40.0                               | 50.9                | GGGG                 | 131                     | 65                     |
| 2516-03393        | 00000/0000                   | 2-20027/0122                | 06/21/76         | 10             | 7187                   | 5542N                                 | 09935E                | 52.6                               | 138.9               | GGGG                 | 149                     | 21                     |
| 2516-03395        | 00000/0000                   | 2-20027/0123                | 06/21/76         | 10             | 7187                   | 5418N                                 | 09848E                | 53.3                               | 136.7               | GGGG                 | 149                     | 22                     |
| 2516-05215        | 00000/0000                   | 2-20027/0124                | 06/21/76         | 10             | 7188                   | 5827N                                 | 07527E                | 50.9                               | 143.2               | GGGG                 | 167                     | 19                     |
| 2516-05222        | 00000/0000                   | 2-20027/0125                | 06/21/76         | 10             | 7188                   | 5705N                                 | 07434E                | 51.8                               | 141.0               | GGGG                 | 167                     | 20                     |
| 2516-05224        | 00000/0000                   | 2-20027/0126                | 06/21/76         | 40             | 7188                   | 5541N                                 | 07344E                | 52.6                               | 138.9               | GGGG                 | 167                     | 21                     |
| 2516-05231        | 00000/0000                   | 2-20027/0127                | 06/21/76         | 70             | 7188                   | 5417N                                 | 07257E                | 53.3                               | 136.7               | GGGG                 | 167                     | 22                     |
| 2516-05233        | 00000/0000                   | 2-20027/0128                | 06/21/76         | 80             | 7188                   | 5233N                                 | 07213E                | 54.1                               | 134.4               | GGGG                 | 167                     | 23                     |
| 2516-05240        | 00000/0000                   | 2-20027/0129                | 06/21/76         | 60             | 7188                   | 5129N                                 | 07131E                | 54.8                               | 132.2               | GGGG                 | 167                     | 24                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 77

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OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2516-05242        | 00000/0000                   | 2-20027/0130                | 06/21/76         | 40             | 7188            | 5005N                        | 07051E        | 55.4         | 129.9        | FGGG                               |                     |                      | 167                     | 25                     |
| 2516-05245        | 00000/0000                   | 2-20027/0131                | 06/21/76         | 30             | 7188            | 4840N                        | 07013E        | 56.0         | 127.6        | GGGF                               |                     |                      | 167                     | 26                     |
| 2516-05263        | 00000/0000                   | 2-20027/0132                | 06/21/76         | 10             | 7188            | 4320N                        | 06756E        | 58.0         | 117.8        | GGFF                               |                     |                      | 167                     | 30                     |
| 2516-05265        | 00000/0000                   | 2-20027/0133                | 06/21/76         | 10             | 7188            | 4136N                        | 06725E        | 58.3         | 115.2        | FFFF                               |                     |                      | 167                     | 31                     |
| 2516-05272        | 00000/0000                   | 2-20027/0134                | 06/21/76         | 0              | 7188            | 4011N                        | 06655E        | 58.6         | 112.7        | GGGG                               |                     |                      | 167                     | 32                     |
| 2516-05274        | 00000/0000                   | 2-20027/0135                | 06/21/76         | 10             | 7188            | 3845N                        | 06626E        | 58.9         | 110.1        | GGGF                               |                     |                      | 167                     | 33                     |
| 2516-05281        | 00000/0000                   | 2-20027/0136                | 06/21/76         | 0              | 7188            | 3720N                        | 06558E        | 59.1         | 107.4        | FGGG                               |                     |                      | 167                     | 34                     |
| 2516-05304        | 00000/0000                   | 2-20027/0137                | 06/21/76         | 0              | 7188            | 2847N                        | 06325E        | 58.9         | 91.8         | FFFF                               |                     |                      | 167                     | 40                     |
| 2516-05310        | 00000/0000                   | 2-20027/0138                | 06/21/76         | 0              | 7188            | 2720N                        | 06302E        | 58.7         | 89.3         | FFFF                               |                     |                      | 167                     | 41                     |
| 2516-05313        | 00000/0000                   | 2-20027/0139                | 06/21/76         | 10             | 7188            | 2554N                        | 06239E        | 58.4         | 86.8         | FFFF                               |                     |                      | 167                     | 42                     |
| 2516-07042        | 00000/0000                   | 2-20027/0055                | 06/21/76         | 60             | 7189            | 6114N                        | 05141E        | 49.2         | 147.5        | GGGG                               |                     |                      | 185                     | 17                     |
| 2516-07044        | 00000/0000                   | 2-20027/0056                | 06/21/76         | 70             | 7189            | 5951N                        | 05039E        | 50.1         | 145.3        | GGGG                               |                     |                      | 185                     | 18                     |
| 2516-07051        | 00000/0000                   | 2-20027/0057                | 06/21/76         | 30             | 7189            | 5828N                        | 04942E        | 50.9         | 143.2        | GGGG                               |                     |                      | 185                     | 19                     |
| 2516-07053        | 00000/0000                   | 2-20027/0058                | 06/21/76         | 20             | 7189            | 5705N                        | 04848E        | 51.8         | 141.0        | GGGG                               |                     |                      | 185                     | 20                     |
| 2516-07060        | 00000/0000                   | 2-20027/0059                | 06/21/76         | 30             | 7189            | 5541N                        | 04758E        | 52.6         | 138.8        | GGGG                               |                     |                      | 185                     | 21                     |
| 2516-07062        | 00000/0000                   | 2-20027/0060                | 06/21/76         | 30             | 7189            | 5418N                        | 04711E        | 53.3         | 136.7        | GGGG                               |                     |                      | 185                     | 22                     |
| 2516-07065        | 00000/0000                   | 2-20027/0215                | 06/21/76         | 20             | 7189            | 5254N                        | 04626E        | 54.1         | 134.4        | G GF                               |                     |                      | 185                     | 23                     |
| 2516-07071        | 00000/0000                   | 2-20027/0216                | 06/21/76         | 10             | 7189            | 5130N                        | 04544E        | 54.8         | 132.2        | FGFF                               |                     |                      | 185                     | 24                     |
| 2516-07074        | 00000/0000                   | 2-20027/0217                | 06/21/76         | 20             | 7189            | 5006N                        | 04504E        | 55.4         | 129.9        | GGGG                               |                     |                      | 185                     | 25                     |
| 2516-07080        | 00000/0000                   | 2-20027/0218                | 06/21/76         | 20             | 7189            | 4841N                        | 04425E        | 56.0         | 127.6        | GGGG                               |                     |                      | 185                     | 26                     |
| 2516-07083        | 00000/0000                   | 2-20027/0219                | 06/21/76         | 20             | 7189            | 4716N                        | 04349E        | 56.6         | 125.2        | GGGG                               |                     |                      | 185                     | 27                     |
| 2516-07085        | 00000/0000                   | 2-20027/0220                | 06/21/76         | 30             | 7189            | 4551N                        | 04314E        | 57.1         | 122.7        | GGGF                               |                     |                      | 185                     | 28                     |
| 2516-07092        | 00000/0000                   | 2-20027/0221                | 06/21/76         | 40             | 7189            | 4426N                        | 04241E        | 57.6         | 120.3        | GGGG                               |                     |                      | 185                     | 29                     |
| 2516-07094        | 00000/0000                   | 2-20027/0222                | 06/21/76         | 40             | 7189            | 4301N                        | 04209E        | 58.0         | 117.8        | GGGG                               |                     |                      | 185                     | 30                     |
| 2516-07101        | 00000/0000                   | 2-20027/0223                | 06/21/76         | 80             | 7189            | 4136N                        | 04138E        | 58.3         | 115.2        | GGGG                               |                     |                      | 185                     | 31                     |
| 2516-08480        | 00000/0000                   | 2-20027/0224                | 06/21/76         | 90             | 7190            | 5951N                        | 02450E        | 50.1         | 145.3        | GFGG                               |                     |                      | 203                     | 18                     |
| 2516-08482        | 00000/0000                   | 2-20027/0225                | 06/21/76         | 90             | 7190            | 5828N                        | 02352E        | 50.9         | 143.2        | GGFG                               |                     |                      | 203                     | 19                     |
| 2516-08485        | 00000/0000                   | 2-20027/0226                | 06/21/76         | 70             | 7190            | 5704N                        | 02259E        | 51.8         | 141.0        | GGFG                               |                     |                      | 203                     | 20                     |
| 2516-08491        | 00000/0000                   | 2-20027/0227                | 06/21/76         | 70             | 7190            | 5541N                        | 02208E        | 52.6         | 138.8        | GGFG                               |                     |                      | 203                     | 21                     |
| 2516-08494        | 00000/0000                   | 2-20027/0228                | 06/21/76         | 70             | 7190            | 5417N                        | 02120E        | 53.3         | 136.6        | FGGG                               |                     |                      | 203                     | 22                     |
| 2516-09005        | 00000/0000                   | 2-20027/0229                | 06/21/76         | 40             | 7190            | 1551N                        | 00228E        | 54.7         | 71.6         | GGGG                               |                     |                      | 203                     | 49                     |
| 2516-12375        | 00000/0000                   | 2-20027/0230                | 06/21/76         | 0              | 7192            | 2037S                        | 05136W        | 29.8         | 45.7         | FFFF                               |                     |                      | 239                     | 74                     |
| 2516-12391        | 00000/0000                   | 2-20027/0244                | 06/21/76         | 0              | 7192            | 2425S                        | 05242W        | 26.3         | 44.6         | FFFF                               |                     |                      | 239                     | 77                     |
| 2516-12393        | 00000/0000                   | 2-20027/0245                | 06/21/76         | 0              | 7192            | 2515S                        | 05306W        | 25.1         | 44.3         | PPPP                               |                     |                      | 239                     | 78                     |
| 2516-12400        | 00000/0000                   | 2-20027/0246                | 06/21/76         | 0              | 7192            | 2717S                        | 05329W        | 23.9         | 44.1         | PPPP                               |                     |                      | 239                     | 79                     |
| 2516-12402        | 00000/0000                   | 2-20027/0231                | 06/21/76         | 0              | 7192            | 2843S                        | 05353W        | 22.7         | 43.9         | FGGF                               |                     |                      | 239                     | 80                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = X CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | SUN<br>ORBIT | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|-----------------------|--------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2516-12405        | 00000/0000                                     | 2-20027/0232 | 06/21/76         | 0                     | 7192         | 3008S                              | 05417W                              | 21.5         | 43.7         |                   |                     |                      | 239                     | 81                     |
| 2516-12425        | 00000/0000                                     | 2-20027/0233 | 06/21/76         | 50                    | 7192         | 3716S                              | 05626W                              | 15.3         | 43.3         | FFFF              |                     |                      | 239                     | 86                     |
| 2516-13520        | 00000/0000                                     | 2-20027/0234 | 06/21/76         | 0                     | 7193         | 7734N                              | 02122W                              | 35.8         | 187.2        | GGGG              |                     |                      | 6                       | 4                      |
| 2516-13522        | 00000/0000                                     | 2-20027/0235 | 06/21/76         | 70                    | 7193         | 7631N                              | 02557W                              | 36.9         | 182.1        | GGGG              |                     |                      | 6                       | 5                      |
| 2516-13525        | 00000/0000                                     | 2-20027/0236 | 06/21/76         | 100                   | 7193         | 7525N                              | 02953W                              | 38.1         | 177.7        | GGGG              |                     |                      | 6                       | 6                      |
| 2516-13531        | 00000/0000                                     | 2-20027/0237 | 06/21/76         | 100                   | 7193         | 7415N                              | 03316W                              | 39.1         | 173.8        | GGGG              |                     |                      | 6                       | 7                      |
| 2516-13534        | 00000/0000                                     | 2-20027/0238 | 06/21/76         | 100                   | 7193         | 7303N                              | 03613W                              | 40.2         | 170.2        | GGGG              |                     |                      | 6                       | 8                      |
| 2516-13590        | 00000/0000                                     | 2-20027/0285 | 06/21/76         | 90                    | 7193         | 5540N                              | 05518W                              | 52.6         | 138.8        | GGGF              |                     |                      | 6                       | 21                     |
| 2516-13593        | 00000/0000                                     | 2-20027/0286 | 06/21/76         | 70                    | 7193         | 5416N                              | 05605W                              | 53.3         | 136.6        | GGGF              |                     |                      | 6                       | 22                     |
| 2516-15433        | 00000/0000                                     | 2-20027/0287 | 06/21/76         | 10                    | 7194         | 5128N                              | 08323W                              | 54.8         | 132.1        | GGFG              |                     |                      | 24                      | 24                     |
| 2516-15440        | 00000/0000                                     | 2-20027/0288 | 06/21/76         | 0                     | 7194         | 5024N                              | 08403W                              | 55.4         | 129.8        | GGGG              |                     |                      | 24                      | 25                     |
| 2516-17171        | 2-20029/0188                                   | 00000/0000   | 06/21/76         | 20                    | 7195         | 8003N                              | 05435W                              | 32.5         | 206.6        | GGG               |                     |                      | 43                      | 1                      |
| 2516-17174        | 2-20029/0189                                   | 00000/0000   | 06/21/76         | 50                    | 7195         | 7919N                              | 06144W                              | 33.6         | 199.1        | GGG               |                     |                      | 43                      | 2                      |
| 2516-17180        | 2-20029/0190                                   | 00000/0000   | 06/21/76         | 80                    | 7195         | 7828N                              | 06754W                              | 34.8         | 192.6        | GG                |                     |                      | 42                      | 3                      |
| 2516-17183        | 2-20029/0191                                   | 00000/0000   | 06/21/76         | 50                    | 7195         | 7731N                              | 07312W                              | 35.9         | 186.9        | GGG               |                     |                      | 42                      | 4                      |
| 2516-17253        | 00000/0000                                     | 2-20027/0289 | 06/21/76         | 90                    | 7195         | 5540N                              | 10456W                              | 52.6         | 138.8        | GFGG              |                     |                      | 42                      | 21                     |
| 2516-17260        | 00000/0000                                     | 2-20027/0290 | 06/21/76         | 50                    | 7195         | 5416N                              | 10743W                              | 53.3         | 136.6        | GGGG              |                     |                      | 42                      | 22                     |
| 2516-17262        | 00000/0000                                     | 2-20027/0291 | 06/21/76         | 20                    | 7195         | 5252N                              | 10827W                              | 54.1         | 134.4        | GGGG              |                     |                      | 42                      | 23                     |
| 2516-17265        | 00000/0000                                     | 2-20027/0292 | 06/21/76         | 40                    | 7195         | 5128N                              | 10909W                              | 54.8         | 132.1        | GGGG              |                     |                      | 42                      | 24                     |
| 2516-18594        | 2-20029/0192                                   | 00000/0000   | 06/21/76         | 40                    | 7196         | 8056N                              | 06332W                              | 30.2         | 224.0        | GGG               |                     |                      | 49                      | 246                    |
| 2516-19001        | 2-20029/0193                                   | 00000/0000   | 06/21/76         | 40                    | 7196         | 8035N                              | 07222W                              | 31.3         | 214.9        | GGG               |                     |                      | 43                      | 248                    |
| 2516-19003        | 2-20029/0194                                   | 00000/0000   | 06/21/76         | 60                    | 7196         | 8002N                              | 08022W                              | 32.5         | 206.6        | GGG               |                     |                      | 60                      | 1                      |
| 2516-20435        | 00000/0000                                     | 2-20027/0276 | 06/21/76         | 10                    | 7197         | 8005N                              | 10554W                              | 32.4         | 206.9        |                   | FGGG                |                      | 78                      | 1                      |
| 2516-20441        | 00000/0000                                     | 2-20027/0277 | 06/21/76         | 10                    | 7197         | 7923N                              | 11307W                              | 33.6         | 199.4        | GGGG              |                     |                      | 78                      | 2                      |
| 2516-20444        | 00000/0000                                     | 2-20027/0278 | 06/21/76         | 10                    | 7197         | 7832N                              | 11922W                              | 34.7         | 192.8        | GGGG              |                     |                      | 78                      | 3                      |
| 2516-20450        | 00000/0000                                     | 2-20027/0279 | 06/21/76         | 0                     | 7197         | 7734N                              | 12444W                              | 35.8         | 187.1        | GGGG              |                     |                      | 78                      | 4                      |
| 2516-20453        | 00000/0000                                     | 2-20027/0280 | 06/21/76         | 10                    | 7197         | 7631N                              | 12919W                              | 37.0         | 182.1        | GGGG              |                     |                      | 78                      | 5                      |
| 2516-20455        | 00000/0000                                     | 2-20027/0281 | 06/21/76         | 20                    | 7197         | 7525N                              | 13314W                              | 38.1         | 177.6        | GGGG              |                     |                      | 78                      | 6                      |
| 2516-20462        | 00000/0000                                     | 2-20027/0282 | 06/21/76         | 20                    | 7197         | 7415N                              | 13637W                              | 39.2         | 173.7        | GGGG              |                     |                      | 78                      | 7                      |
| 2516-20464        | 00000/0000                                     | 2-20027/0283 | 06/21/76         | 50                    | 7197         | 7302N                              | 13932W                              | 40.2         | 170.2        | GGGG              |                     |                      | 78                      | 8                      |
| 2516-20471        | 00000/0000                                     | 2-20027/0284 | 06/21/76         | 50                    | 7197         | 7148N                              | 14206W                              | 41.3         | 167.0        | GGGG              |                     |                      | 78                      | 9                      |
| 2516-22593        | 00000/0000                                     | 2-20027/0239 | 06/21/76         | 40                    | 7198         | 2716S                              | 15136E                              | 23.9         | 44.1         | GGGG              |                     |                      | 96                      | 79                     |
| 2516-23000        | 00000/0000                                     | 2-20027/0240 | 06/21/76         | 70                    | 7198         | 2842S                              | 15113E                              | 22.7         | 43.9         | GGGG              |                     |                      | 96                      | 80                     |
| 2516-23002        | 00000/0000                                     | 2-20027/0241 | 06/21/76         | 40                    | 7198         | 3007S                              | 15049E                              | 21.5         | 43.7         | GGFG              |                     |                      | 96                      | 81                     |
| 2516-23005        | 00000/0000                                     | 2-20027/0242 | 06/21/76         | 40                    | 7198         | 3133S                              | 15024E                              | 20.2         | 43.6         | GGGG              |                     |                      | 96                      | 82                     |
| 2516-23011        | 00000/0000                                     | 2-20027/0243 | 06/21/76         | 70                    | 7198         | 3259S                              | 14959E                              | 19.0         | 43.5         | GGGG              |                     |                      | 96                      | 83                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 177

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>REEL | REEL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------|------------------|------------------|----------------|-----------------|-----------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                                  |                  |                  |                |                 | LAT<br>LONG                 |              |              | 123 45678             |                     |                      |                         |                        |
| 2517-02013        | 00000/0000                       | 2-20027/0247     | 06/22/76         | 70             | 7200            | 57.44N 124.45E              | 51.8         | 140.9        | GGGG                  |                     |                      | 132                     | 20                     |
| 2517-02033        | 00000/0000                       | 2-20027/0248     | 06/22/76         | 60             | 7200            | 50.05N 121.02E              | 55.4         | 129.8        | GGGG                  |                     |                      | 132                     | 25                     |
| 2517-02040        | 00000/0000                       | 2-20027/0249     | 06/22/76         | 60             | 7200            | 48.99N 120.24E              | 56.0         | 127.5        | GGGG                  |                     |                      | 132                     | 26                     |
| 2517-02042        | 00000/0000                       | 2-20027/0250     | 06/22/76         | 50             | 7200            | 47.14N 119.48E              | 56.6         | 125.1        | GGGG                  |                     |                      | 132                     | 27                     |
| 2517-02045        | 00000/0000                       | 2-20027/0251     | 06/22/76         | 20             | 7200            | 45.50N 119.13E              | 57.1         | 122.7        | GGGG                  |                     |                      | 132                     | 28                     |
| 2517-02051        | 00000/0000                       | 2-20027/0252     | 06/22/76         | 20             | 7200            | 44.26N 118.40E              | 57.5         | 120.2        | GGGG                  |                     |                      | 132                     | 29                     |
| 2517-02054        | 00000/0000                       | 2-20027/0253     | 06/22/76         | 10             | 7200            | 43.00N 118.08E              | 58.0         | 117.7        | GGGG                  |                     |                      | 132                     | 30                     |
| 2517-02060        | 00000/0000                       | 2-20027/0254     | 06/22/76         | 10             | 7200            | 41.75N 117.38E              | 58.3         | 115.2        | GGGG                  |                     |                      | 132                     | 31                     |
| 2517-02063        | 00000/0000                       | 2-20027/0255     | 06/22/76         | 70             | 7200            | 40.11N 117.08E              | 58.6         | 112.6        | GGGG                  |                     |                      | 132                     | 32                     |
| 2517-02065        | 00000/0000                       | 2-20027/0256     | 06/22/76         | 20             | 7200            | 38.46N 116.39E              | 58.9         | 110.0        | GGGG                  |                     |                      | 132                     | 33                     |
| 2517-02072        | 00000/0000                       | 2-20027/0257     | 06/22/76         | 10             | 7200            | 37.20N 116.11E              | 59.0         | 107.4        | GGGG                  |                     |                      | 132                     | 34                     |
| 2517-02074        | 00000/0000                       | 2-20027/0258     | 06/22/76         | 0              | 7200            | 35.85N 115.43E              | 59.2         | 104.7        | GGGG                  |                     |                      | 132                     | 35                     |
| 2517-02081        | 00000/0000                       | 2-20027/0259     | 06/22/76         | 40             | 7200            | 34.29N 115.17E              | 59.2         | 102.1        | GGGG                  |                     |                      | 132                     | 36                     |
| 2517-02083        | 00000/0000                       | 2-20027/0260     | 06/22/76         | 50             | 7200            | 33.03N 114.51E              | 59.2         | 99.5         | GGGG                  |                     |                      | 132                     | 37                     |
| 2517-02090        | 00000/0000                       | 2-20027/0261     | 06/22/76         | 100            | 7200            | 31.77N 114.26E              | 59.2         | 96.9         | GGGG                  |                     |                      | 132                     | 38                     |
| 2517-03444        | 00000/0000                       | 2-20027/0301     | 06/22/76         | 10             | 7201            | 57.44N 098.59E              | 51.8         | 140.9        | GGGG                  |                     |                      | 150                     | 20                     |
| 2517-03451        | 00000/0000                       | 2-20027/0302     | 06/22/76         | 10             | 7201            | 55.41N 098.09E              | 52.6         | 138.8        | GGGG                  |                     |                      | 150                     | 21                     |
| 2517-03453        | 00000/0000                       | 2-20027/0303     | 06/22/76         | 30             | 7201            | 54.17N 097.21E              | 53.3         | 136.6        | GGGG                  |                     |                      | 150                     | 22                     |
| 2517-03460        | 00000/0000                       | 2-20027/0304     | 06/22/76         | 90             | 7201            | 52.54N 096.37E              | 54.0         | 134.3        | GGGG                  |                     |                      | 150                     | 23                     |
| 2517-03462        | 00000/0000                       | 2-20027/0305     | 06/22/76         | 80             | 7201            | 51.30N 095.54E              | 54.7         | 132.1        | GGGG                  |                     |                      | 150                     | 24                     |
| 2517-035273       | 00000/0000                       | 2-20027/0331     | 06/22/76         | 10             | 7202            | 58.27N 074.02E              | 50.9         | 143.1        | GGGG                  |                     |                      | 168                     | 19                     |
| 2517-05280        | 00000/0000                       | 2-20027/0332     | 06/22/76         | 10             | 7202            | 57.03N 073.08E              | 51.8         | 140.9        | GGGG                  |                     |                      | 168                     | 20                     |
| 2517-05282        | 00000/0000                       | 2-20027/0333     | 06/22/76         | 20             | 7202            | 55.29N 072.18E              | 52.6         | 138.7        | GGGG                  |                     |                      | 168                     | 21                     |
| 2517-05285        | 00000/0000                       | 2-20027/0334     | 06/22/76         | 10             | 7202            | 54.16N 071.31E              | 53.3         | 136.6        | GGGG                  |                     |                      | 168                     | 22                     |
| 2517-05291        | 00000/0000                       | 2-20027/0335     | 06/22/76         | 10             | 7202            | 52.82N 070.47E              | 54.0         | 134.3        | GGGG                  |                     |                      | 168                     | 23                     |
| 2517-05294        | 00000/0000                       | 2-20027/0336     | 06/22/76         | 30             | 7202            | 51.28N 070.05E              | 54.7         | 132.1        | GGGG                  |                     |                      | 168                     | 24                     |
| 2517-05303        | 00000/0000                       | 2-20027/0337     | 06/22/76         | 20             | 7202            | 48.99N 068.47E              | 56.0         | 127.5        | GGGG                  |                     |                      | 168                     | 25                     |
| 2517-05305        | 00000/0000                       | 2-20027/0338     | 06/22/76         | 10             | 7202            | 47.14N 067.11E              | 56.6         | 125.1        | GGGG                  |                     |                      | 168                     | 26                     |
| 2517-05312        | 00000/0000                       | 2-20027/0339     | 06/22/76         | 10             | 7202            | 45.50N 067.36E              | 57.1         | 122.6        | GGGG                  |                     |                      | 168                     | 27                     |
| 2517-05314        | 00000/0000                       | 2-20027/0340     | 06/22/76         | 10             | 7202            | 44.25N 067.03E              | 57.5         | 120.2        | GGGG                  |                     |                      | 168                     | 28                     |
| 2517-05321        | 00000/0000                       | 2-20027/0341     | 06/22/76         | 10             | 7202            | 43.00N 066.31E              | 57.9         | 117.7        | GGGG                  |                     |                      | 168                     | 29                     |
| 2517-05323        | 00000/0000                       | 2-20027/0342     | 06/22/76         | 10             | 7202            | 41.75N 065.59E              | 58.3         | 115.1        | GGGG                  |                     |                      | 168                     | 30                     |
| 2517-05330        | 00000/0000                       | 2-20027/0343     | 06/22/76         | 10             | 7202            | 40.10N 065.29E              | 58.6         | 112.6        | GGGG                  |                     |                      | 168                     | 31                     |
| 2517-05332        | 00000/0000                       | 2-20027/0344     | 06/22/76         | 10             | 7202            | 38.44N 065.00E              | 58.8         | 110.0        | GGGG                  |                     |                      | 168                     | 32                     |
| 2517-05335        | 00000/0000                       | 2-20027/0345     | 06/22/76         | 0              | 7202            | 37.19N 064.32E              | 59.0         | 107.3        | GGGG                  |                     |                      | 168                     | 33                     |
| 2517-05353        | 00000/0000                       | 2-20027/0346     | 06/22/76         | 0              | 7202            | 31.77N 062.47E              | 59.1         | 96.9         | GGGG                  |                     |                      | 168                     | 38                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RSLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>PRINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|---------------------------------------|----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2517-05355        | 00000/0000                   | 2-20027/0347                | 06/22/76         | 10             | 7202                   | 3011N                                 | 06223E                                 | 59.0         | 94.3         | GGGG                               |                     |                      | 168                     | 39                     |
| 2517-05362        | 00000/0000                   | 2-20027/0348                | 06/22/76         | 10             | 7202                   | 2845N                                 | 06159E                                 | 58.8         | 91.7         | GGGG                               |                     |                      | 168                     | 40                     |
| 2517-05364        | 00000/0000                   | 2-20027/0349                | 06/22/76         | 0              | 7202                   | 2719N                                 | 06136E                                 | 58.6         | 89.2         | GGGG                               |                     |                      | 168                     | 41                     |
| 2517-05371        | 00000/0000                   | 2-20027/0350                | 06/22/76         | 0              | 7202                   | 2553N                                 | 06112E                                 | 58.3         | 86.8         | GGGG                               |                     |                      | 168                     | 42                     |
| 2517-07032        | 00000/0000                   | 2-20027/0351                | 06/22/76         | 90             | 7203                   | 2005N                                 | 05914E                                 | 32.4         | 207.0        | GGGG                               |                     |                      | 186                     | 1                      |
| 2517-07103        | 00000/0000                   | 2-20027/0352                | 06/22/76         | 80             | 7203                   | 5950N                                 | 04912E                                 | 50.1         | 145.2        | GGGG                               |                     |                      | 186                     | 18                     |
| 2517-07105        | 00000/0000                   | 2-20027/0353                | 06/22/76         | 90             | 7203                   | 5827N                                 | 04814E                                 | 50.9         | 143.1        | GGGG                               |                     |                      | 186                     | 19                     |
| 2517-07112        | 00000/0000                   | 2-20027/0304                | 06/22/76         | 80             | 7203                   | 5704N                                 | 04720E                                 | 51.8         | 140.9        | GGGG                               |                     |                      | 186                     | 20                     |
| 2517-07114        | 00000/0000                   | 2-20027/0305                | 06/22/76         | 80             | 7203                   | 5540N                                 | 04630E                                 | 52.6         | 138.7        | GGGG                               |                     |                      | 186                     | 21                     |
| 2517-07121        | 00000/0000                   | 2-20027/0306                | 06/22/76         | 20             | 7203                   | 5416N                                 | 04543E                                 | 53.3         | 136.5        | GGGG                               |                     |                      | 186                     | 22                     |
| 2517-07123        | 00000/0000                   | 2-20027/0307                | 06/22/76         | 10             | 7203                   | 5253N                                 | 04458E                                 | 54.0         | 134.3        | GGGG                               |                     |                      | 186                     | 23                     |
| 2517-07130        | 00000/0000                   | 2-20027/0308                | 06/22/76         | 10             | 7203                   | 5128N                                 | 04416E                                 | 54.7         | 132.1        | GGGG                               |                     |                      | 186                     | 24                     |
| 2517-07132        | 00000/0000                   | 2-20027/0309                | 06/22/76         | 10             | 7203                   | 5004N                                 | 04336E                                 | 55.4         | 129.8        | GGGG                               |                     |                      | 186                     | 25                     |
| 2517-07135        | 00000/0000                   | 2-20027/0310                | 06/22/76         | 10             | 7203                   | 4840N                                 | 04259E                                 | 56.0         | 127.4        | GGGG                               |                     |                      | 186                     | 26                     |
| 2517-07141        | 00000/0000                   | 2-20027/0311                | 06/22/76         | 20             | 7203                   | 4715N                                 | 04222E                                 | 56.6         | 125.1        | GGGG                               |                     |                      | 186                     | 27                     |
| 2517-07144        | 00000/0000                   | 2-20027/0312                | 06/22/76         | 80             | 7203                   | 4550N                                 | 04148E                                 | 57.1         | 122.6        | GGGG                               |                     |                      | 186                     | 28                     |
| 2517-07150        | 00000/0000                   | 2-20027/0313                | 06/22/76         | 90             | 7203                   | 4425N                                 | 04114E                                 | 57.5         | 120.2        | GGGG                               |                     |                      | 186                     | 29                     |
| 2517-07164        | 00000/0000                   | 2-20027/0314                | 06/22/76         | 10             | 7203                   | 3844N                                 | 03913E                                 | 58.8         | 110.0        | GGGG                               |                     |                      | 186                     | 33                     |
| 2517-07171        | 00000/0000                   | 2-20027/0315                | 06/22/76         | 10             | 7203                   | 3719N                                 | 03845E                                 | 59.0         | 107.3        | FFFF                               |                     |                      | 186                     | 34                     |
| 2517-07173        | 00000/0000                   | 2-20027/0316                | 06/22/76         | 0              | 7203                   | 3553N                                 | 03817E                                 | 59.2         | 104.7        | GGGG                               |                     |                      | 186                     | 35                     |
| 2517-08543        | 00000/0000                   | 2-20027/0317                | 06/22/76         | 20             | 7204                   | 5703N                                 | 02130E                                 | 51.8         | 140.9        | GGGG                               |                     |                      | 204                     | 20                     |
| 2517-08550        | 00000/0000                   | 2-20027/0318                | 06/22/76         | 20             | 7204                   | 5543N                                 | 02040E                                 | 52.6         | 138.7        | GGGG                               |                     |                      | 204                     | 21                     |
| 2517-08552        | 00000/0000                   | 2-20027/0319                | 06/22/76         | 80             | 7204                   | 5416N                                 | 01953E                                 | 53.3         | 136.5        | GGGG                               |                     |                      | 204                     | 22                     |
| 2517-09064        | 00000/0000                   | 2-20027/0320                | 06/22/76         | 10             | 7204                   | 1549N                                 | 00702E                                 | 54.7         | 71.6         | GGGG                               |                     |                      | 204                     | 49                     |
| 2517-12431        | 00000/0000                   | 2-20027/0321                | 06/22/76         | 0              | 7206                   | 1842S                                 | 05242W                                 | 30.9         | 46.1         | FFFF                               |                     |                      | 240                     | 73                     |
| 2517-12433        | 00000/0000                   | 2-20027/0322                | 06/22/76         | 0              | 7206                   | 2008S                                 | 05303W                                 | 29.8         | 45.7         | GGGG                               |                     |                      | 240                     | 74                     |
| 2517-12442        | 00000/0000                   | 2-20027/0420                | 06/22/76         | 0              | 7206                   | 2300S                                 | 05346W                                 | 27.4         | 45.0         | FFFF                               |                     |                      | 240                     | 76                     |
| 2517-12451        | 00000/0000                   | 2-20027/0421                | 06/22/76         | 0              | 7206                   | 2543S                                 | 05432W                                 | 25.0         | 44.4         | FFGG                               |                     |                      | 240                     | 78                     |
| 2517-12454        | 00000/0000                   | 2-20027/0422                | 06/22/76         | 10             | 7206                   | 2719S                                 | 05456W                                 | 23.8         | 44.1         | GFGF                               |                     |                      | 240                     | 79                     |
| 2517-12460        | 00000/0000                   | 2-20027/0407                | 06/22/76         | 0              | 7206                   | 2844S                                 | 05519W                                 | 22.6         | 43.9         | FFGG                               |                     |                      | 240                     | 80                     |
| 2517-12463        | 00000/0000                   | 2-20027/0408                | 06/22/76         | 0              | 7206                   | 3010S                                 | 05543W                                 | 21.4         | 43.8         | GFFF                               |                     |                      | 240                     | 81                     |
| 2517-12483        | 00000/0000                   | 2-20027/0409                | 06/22/76         | 40             | 7206                   | 3718S                                 | 05753W                                 | 15.3         | 43.4         | FFFF                               |                     |                      | 240                     | 86                     |
| 2517-14003        | 00000/0000                   | 2-20027/0410                | 06/22/76         | 100            | 7207                   | 6913N                                 | 04433W                                 | 43.4         | 161.3        | FGGG                               |                     |                      | 7                       | 11                     |
| 2517-14042        | 00000/0000                   | 2-20027/0299                | 06/22/76         | 10             | 7207                   | 5702N                                 | 05555W                                 | 51.8         | 140.8        | FGGG                               |                     |                      | 7                       | 20                     |
| 2517-14044        | 00000/0000                   | 2-20027/0300                | 06/22/76         | 80             | 7207                   | 5539N                                 | 05645W                                 | 52.6         | 138.7        | GGGF                               |                     |                      | 7                       | 21                     |
| 2517-14051        | 00000/0000                   | 2-20027/0301                | 06/22/76         | 80             | 7207                   | 5415N                                 | 05733W                                 | 53.3         | 136.5        | GGGG                               |                     |                      | 7                       | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

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OBSERVATION ID LISTING  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|--------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2517-15492        | 00000/0000                   | 2-20027/0302                | 06/22/76         | 10             | 7208            | 5126N                                   | 08450W       | 54.7         | 132.0        |             | GGGF                |                      | 25                      | 24                     |
| 2517-15494        | 00000/0000                   | 2-20027/0303                | 06/22/76         | 10             | 7208            | 5052N                                   | 08529W       | 55.4         | 129.7        |             | GGGG                |                      | 25                      | 25                     |
| 2517-17230        | 2-20029/0195                 | 00000/0000                  | 06/22/76         | 20             | 7209            | 8002N                                   | 05612W       | 32.5         | 206.4        | GGG         |                     |                      | 44                      | 1                      |
| 2517-17232        | 2-20029/0196                 | 00000/0000                  | 06/22/76         | 50             | 7209            | 7919N                                   | 06315W       | 33.6         | 199.0        | GGG         |                     |                      | 44                      | 2                      |
| 2517-17235        | 2-20029/0197                 | 00000/0000                  | 06/22/76         | 40             | 7209            | 7828N                                   | 06926W       | 34.8         | 192.4        | GGG         |                     |                      | 44                      | 3                      |
| 2517-17314        | 00000/0000                   | 2-20027/0323                | 06/22/76         | 90             | 7209            | 5415N                                   | 10910W       | 53.3         | 136.5        |             | FGGG                |                      | 43                      | 22                     |
| 2517-17321        | 00000/0000                   | 2-20027/0324                | 06/22/76         | 100            | 7209            | 5251N                                   | 10955W       | 54.0         | 134.2        |             | GGGG                |                      | 43                      | 23                     |
| 2517-17323        | 00000/0000                   | 2-20027/0325                | 06/22/76         | 100            | 7209            | 5127N                                   | 11037W       | 54.7         | 132.0        |             | GGGG                |                      | 43                      | 24                     |
| 2517-19052        | 2-20029/0198                 | 00000/0000                  | 06/22/76         | 100            | 7210            | 8057N                                   | 06530W       | 30.2         | 223.4        | G           |                     |                      | 50                      | 246                    |
| 2517-19055        | 2-20029/0199                 | 00000/0000                  | 06/22/76         | 50             | 7210            | 8035N                                   | 07419W       | 31.4         | 214.4        | GG          |                     |                      | 44                      | 248                    |
| 2517-20493        | 00000/0000                   | 2-20027/0393                | 06/22/76         | 10             | 7211            | 8007N                                   | 10711W       | 32.4         | 207.1        |             | GGFG                |                      | 79                      | 1                      |
| 2517-20495        | 00000/0000                   | 2-20027/0394                | 06/22/76         | 10             | 7211            | 7924N                                   | 11428W       | 33.5         | 199.5        |             | GGGG                |                      | 79                      | 2                      |
| 2517-20502        | 00000/0000                   | 2-20027/0395                | 06/22/76         | 40             | 7211            | 7833N                                   | 12044W       | 34.7         | 192.9        |             | GGGG                |                      | 79                      | 3                      |
| 2517-20504        | 00000/0000                   | 2-20027/0396                | 06/22/76         | 20             | 7211            | 7735N                                   | 12605W       | 35.8         | 187.2        |             | GFGG                |                      | 79                      | 4                      |
| 2517-20511        | 00000/0000                   | 2-20027/0397                | 06/22/76         | 20             | 7211            | 7643N                                   | 13041W       | 36.9         | 182.1        |             | GGGG                |                      | 79                      | 5                      |
| 2517-20513        | 00000/0000                   | 2-20027/0398                | 06/22/76         | 70             | 7211            | 7527N                                   | 13437W       | 38.0         | 177.7        |             | GGGG                |                      | 79                      | 6                      |
| 2517-20520        | 00000/0000                   | 2-20027/0399                | 06/22/76         | 80             | 7211            | 7417N                                   | 13A01W       | 39.1         | 173.7        |             | GFFG                |                      | 79                      | 7                      |
| 2517-20522        | 00000/0000                   | 2-20027/0400                | 06/22/76         | 80             | 7211            | 7304N                                   | 14059W       | 40.2         | 170.2        |             | GFGG                |                      | 79                      | 8                      |
| 2517-20525        | 00000/0000                   | 2-20027/0401                | 06/22/76         | 90             | 7211            | 7150N                                   | 14333W       | 41.3         | 167.0        |             | GFGG                |                      | 79                      | 9                      |
| 2517-23042        | 00000/0000                   | 2-20027/0411                | 06/22/76         | 10             | 7212            | 2426S                                   | 15057E       | 26.2         | 44.7         |             | GGGG                |                      | 97                      | 77                     |
| 2517-23045        | 00000/0000                   | 2-20027/0412                | 06/22/76         | 0              | 7212            | 2552S                                   | 15034E       | 25.0         | 44.4         |             | FGFG                |                      | 97                      | 78                     |
| 2517-23051        | 00000/0000                   | 2-20027/0413                | 06/22/76         | 10             | 7212            | 2718S                                   | 15011E       | 23.8         | 44.2         |             | FGGG                |                      | 97                      | 79                     |
| 2517-23054        | 00000/0000                   | 2-20027/0414                | 06/22/76         | 0              | 7212            | 2843S                                   | 14948E       | 22.6         | 44.0         |             | FGGG                |                      | 97                      | 80                     |
| 2517-23060        | 00000/0000                   | 2-20027/0415                | 06/22/76         | 0              | 7212            | 3009S                                   | 14924E       | 21.4         | 43.8         |             | GGGG                |                      | 97                      | 81                     |
| 2517-23063        | 00000/0000                   | 2-20027/0416                | 06/22/76         | 10             | 7212            | 3134S                                   | 14859E       | 20.2         | 43.6         |             | FGGF                |                      | 97                      | 82                     |
| 2517-23065        | 00000/0000                   | 2-20027/0417                | 06/22/76         | 20             | 7212            | 3300S                                   | 14834E       | 19.0         | 43.5         |             | GGFG                |                      | 97                      | 83                     |
| 2517-23072        | 00000/0000                   | 2-20027/0418                | 06/22/76         | 30             | 7212            | 3426S                                   | 14808E       | 17.8         | 43.5         |             | GGFG                |                      | 97                      | 84                     |
| 2517-23074        | 00000/0000                   | 2-20027/0419                | 06/22/76         | 20             | 7212            | 3551S                                   | 14742E       | 16.5         | 43.4         |             | GFFG                |                      | 97                      | 85                     |
| 2518-00501        | 00000/0000                   | 2-20027/0423                | 06/23/76         | 90             | 7213            | 3300S                                   | 12243E       | 19.0         | 43.5         |             | FGGG                |                      | 115                     | 83                     |
| 2518-02071        | 00000/0000                   | 2-20027/0424                | 06/23/76         | 10             | 7214            | 5703N                                   | 12321E       | 51.7         | 140.8        |             | FGGG                |                      | 133                     | 20                     |
| 2518-02092        | 00000/0000                   | 2-20027/0425                | 06/23/76         | 40             | 7214            | 5001N                                   | 11936E       | 55.4         | 129.7        |             | GGGG                |                      | 133                     | 25                     |
| 2518-02112        | 00000/0000                   | 2-20027/0426                | 06/23/76         | 90             | 7214            | 4258N                                   | 11644E       | 57.9         | 117.6        |             | GFFG                |                      | 133                     | 30                     |
| 2518-02115        | 00000/0000                   | 2-20027/0427                | 06/23/76         | 80             | 7214            | 4133N                                   | 11613E       | 58.3         | 115.1        |             | FFFG                |                      | 133                     | 31                     |
| 2518-02121        | 00000/0000                   | 2-20027/0428                | 06/23/76         | 80             | 7214            | 4009N                                   | 11543E       | 58.6         | 112.5        |             | FFFG                |                      | 133                     | 32                     |
| 2518-02124        | 00000/0000                   | 2-20027/0429                | 06/23/76         | 50             | 7214            | 3845N                                   | 11514E       | 58.8         | 109.9        |             | FFFG                |                      | 133                     | 33                     |
| 2518-02130        | 00000/0000                   | 2-20027/0430                | 06/23/76         | 50             | 7214            | 3720N                                   | 11446E       | 59.0         | 107.3        |             | FFF                 |                      | 133                     | 34                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | LANG  | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2518-02133        | 00000/0000                                     | 2-20027/0431     | 06/23/76       | 40              | 7214                               | 3544N | 11419E       | 59.1         | 104.7                              | FGG                 |                      | 133                     | 35                     |
| 2518-02135        | 00000/0000                                     | 2-20027/0432     | 06/23/76       | 20              | 7214                               | 3429N | 11352E       | 59.2         | 102.0                              | GGFG                |                      | 133                     | 36                     |
| 2518-03500        | 00000/0000                                     | 2-20027/0354     | 06/23/76       | 10              | 7215                               | 5829N | 09425E       | 50.9         | 143.1                              | GGGG                |                      | 151                     | 19                     |
| 2518-03503        | 00000/0000                                     | 2-20027/0355     | 06/23/76       | 30              | 7215                               | 5706N | 09732E       | 51.7         | 140.9                              | GGGF                |                      | 151                     | 20                     |
| 2518-03505        | 00000/0000                                     | 2-20027/0356     | 06/23/76       | 70              | 7215                               | 5543N | 09642E       | 52.5         | 138.7                              | GGGG                |                      | 151                     | 21                     |
| 2518-03512        | 00000/0000                                     | 2-20027/0373     | 06/23/76       | 70              | 7215                               | 5419N | 09555E       | 53.3         | 136.5                              | GGGG                |                      | 151                     | 22                     |
| 2518-03514        | 00000/0000                                     | 2-20027/0374     | 06/23/76       | 60              | 7215                               | 5255N | 09511E       | 54.0         | 134.3                              | GGGF                |                      | 151                     | 23                     |
| 2518-03521        | 00000/0000                                     | 2-20027/0375     | 06/23/76       | 80              | 7215                               | 5130N | 09429E       | 54.7         | 132.1                              | FGGG                |                      | 151                     | 24                     |
| 2518-05332        | 00000/0000                                     | 2-20027/0376     | 06/23/76       | 30              | 7216                               | 5828N | 07235E       | 50.9         | 143.0                              | GGFG                |                      | 169                     | 19                     |
| 2518-05334        | 00000/0000                                     | 2-20027/0377     | 06/23/76       | 20              | 7216                               | 5705N | 07142E       | 51.7         | 140.9                              | GGFG                |                      | 169                     | 20                     |
| 2518-05341        | 00000/0000                                     | 2-20027/0378     | 06/23/76       | 30              | 7216                               | 5542N | 07052E       | 52.5         | 138.7                              | GGGG                |                      | 169                     | 21                     |
| 2518-05343        | 00000/0000                                     | 2-20027/0379     | 06/23/76       | 50              | 7216                               | 5418N | 07005E       | 53.3         | 136.5                              | GGFG                |                      | 169                     | 22                     |
| 2518-05350        | 00000/0000                                     | 2-20027/0380     | 06/23/76       | 50              | 7216                               | 5254N | 06921E       | 54.0         | 134.3                              | GGGG                |                      | 169                     | 23                     |
| 2518-05352        | 00000/0000                                     | 2-20027/0381     | 06/23/76       | 40              | 7216                               | 5130N | 06839E       | 54.7         | 132.1                              | FGGG                |                      | 169                     | 24                     |
| 2518-05355        | 00000/0000                                     | 2-20027/0382     | 06/23/76       | 40              | 7216                               | 5005N | 06759E       | 55.3         | 129.8                              | GGGG                |                      | 169                     | 25                     |
| 2518-05361        | 00000/0000                                     | 2-20027/0383     | 06/23/76       | 20              | 7216                               | 4842N | 06721E       | 55.9         | 127.4                              | GGGG                |                      | 169                     | 26                     |
| 2518-05364        | 00000/0000                                     | 2-20027/0384     | 06/23/76       | 20              | 7216                               | 4717N | 06644E       | 56.5         | 125.1                              | GGGF                |                      | 169                     | 27                     |
| 2518-05370        | 00000/0000                                     | 2-20027/0385     | 06/23/76       | 10              | 7216                               | 4552N | 06610E       | 57.0         | 122.6                              | GGGF                |                      | 169                     | 28                     |
| 2518-05373        | 00000/0000                                     | 2-20027/0386     | 06/23/76       | 10              | 7216                               | 4427N | 06536E       | 57.5         | 120.2                              | GGGG                |                      | 169                     | 29                     |
| 2518-05375        | 00000/0000                                     | 2-20027/0387     | 06/23/76       | 10              | 7216                               | 4302N | 06504E       | 57.9         | 117.7                              | GGGG                |                      | 169                     | 30                     |
| 2518-05382        | 00000/0000                                     | 2-20027/0388     | 06/23/76       | 20              | 7216                               | 4137N | 06433E       | 58.2         | 115.2                              | GGGG                |                      | 169                     | 31                     |
| 2518-05384        | 00000/0000                                     | 2-20027/0389     | 06/23/76       | 10              | 7216                               | 4012N | 06403E       | 58.5         | 112.6                              | GGGG                |                      | 169                     | 32                     |
| 2518-05391        | 00000/0000                                     | 2-20027/0390     | 06/23/76       | 10              | 7216                               | 3846N | 06334E       | 58.8         | 110.0                              | FGGF                |                      | 169                     | 33                     |
| 2518-05393        | 00000/0000                                     | 2-20027/0391     | 06/23/76       | 0               | 7216                               | 3721N | 06306E       | 59.0         | 107.4                              | GGGG                |                      | 169                     | 34                     |
| 2518-05400        | 00000/0000                                     | 2-20027/0392     | 06/23/76       | 0               | 7216                               | 3556N | 06239E       | 59.1         | 104.7                              | GGFG                |                      | 169                     | 35                     |
| 2518-07154        | 00000/0000                                     | 2-20028/0089     | 06/23/76       | 80              | 7217                               | 6114N | 04448E       | 49.1         | 147.3                              | GGGG                |                      | 187                     | 17                     |
| 2518-07161        | 00000/0000                                     | 2-20028/0090     | 06/23/76       | 70              | 7217                               | 5951N | 04746E       | 50.0         | 145.2                              | GGGG                |                      | 187                     | 18                     |
| 2518-07163        | 00000/0000                                     | 2-20028/0091     | 06/23/76       | 60              | 7217                               | 5828N | 04649E       | 50.9         | 143.0                              | GGGG                |                      | 187                     | 19                     |
| 2518-07170        | 00000/0000                                     | 2-20028/0092     | 06/23/76       | 60              | 7217                               | 5705N | 04555E       | 51.7         | 140.9                              | GGGG                |                      | 187                     | 20                     |
| 2518-07172        | 00000/0000                                     | 2-20028/0093     | 06/23/76       | 50              | 7217                               | 5542N | 04505E       | 52.5         | 138.7                              | GGGG                |                      | 187                     | 21                     |
| 2518-07175        | 00000/0000                                     | 2-20028/0094     | 06/23/76       | 60              | 7217                               | 5419N | 04418E       | 53.3         | 136.5                              | GGGG                |                      | 187                     | 22                     |
| 2518-07181        | 00000/0000                                     | 2-20028/0095     | 06/23/76       | 60              | 7217                               | 5255N | 04333E       | 54.0         | 134.3                              | GGGG                |                      | 187                     | 23                     |
| 2518-07184        | 00000/0000                                     | 2-20028/0096     | 06/23/76       | 70              | 7217                               | 5131N | 04251E       | 54.7         | 132.1                              | FGGG                |                      | 187                     | 24                     |
| 2518-07190        | 00000/0000                                     | 2-20028/0097     | 06/23/76       | 90              | 7217                               | 5006N | 04211E       | 55.3         | 129.8                              | FFFF                |                      | 187                     | 25                     |
| 2518-07193        | 00000/0000                                     | 2-20028/0098     | 06/23/76       | 40              | 7217                               | 4842N | 04133E       | 55.9         | 127.4                              | FGGG                |                      | 187                     | 26                     |
| 2518-07195        | 00000/0000                                     | 2-20028/0099     | 06/23/76       | 40              | 7217                               | 4717N | 04057E       | 56.5         | 125.1                              | FGGG                |                      | 187                     | 27                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/23/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2518-07202        | 00000/0000                   | 2-20029/0100                | 06/23/76         | 60             | 7217                   | 4553N                              | 04022E                              | 57.0         | 122.6        | FGGG              |                     |                      | 187                     | 28                     |
| 2518-07204        | 00000/0000                   | 2-20029/0101                | 06/23/76         | 50             | 7217                   | 4428N                              | 03949E                              | 57.5         | 120.2        | FGGG              |                     |                      | 187                     | 29                     |
| 2518-08581        | 00000/0000                   | 2-20029/0102                | 06/23/76         | 40             | 7218                   | 6357N                              | 02518E                              | 47.3         | 151.7        | GGGG              |                     |                      | 205                     | 15                     |
| 2518-08583        | 00000/0000                   | 2-20029/0103                | 06/23/76         | 30             | 7218                   | 6236N                              | 02405E                              | 48.2         | 149.5        | GGGG              |                     |                      | 205                     | 16                     |
| 2518-09122        | 00000/0000                   | 2-20029/0104                | 06/23/76         | 50             | 7218                   | 1552N                              | 00536E                              | 54.6         | 71.7         | FGFG              |                     |                      | 205                     | 49                     |
| 2518-09124        | 00000/0000                   | 2-20029/0105                | 06/23/76         | 20             | 7218                   | 1425N                              | 00515E                              | 53.9         | 69.9         | FGGG              |                     |                      | 205                     | 50                     |
| 2518-12444        | 00000/0000                   | 2-20029/0106                | 06/23/76         | 0              | 7220                   | 0417S                              | 05043W                              | 42.1         | 52.7         | FFGG              |                     |                      | 241                     | 63                     |
| 2518-12515        | 00000/0000                   | 2-20029/0107                | 06/23/76         | 0              | 7220                   | 2842S                              | 05645W                              | 22.6         | 44.0         | FFFF              |                     |                      | 241                     | 80                     |
| 2518-12521        | 00000/0000                   | 2-20029/0108                | 06/23/76         | 0              | 7220                   | 3007S                              | 05709W                              | 21.4         | 43.8         | FFFF              |                     |                      | 241                     | 81                     |
| 2518-14044        | 00000/0000                   | 2-20027/0258                | 06/23/76         | 100            | 7221                   | 7414N                              | 03619W                              | 39.1         | 173.7        | GGGG              |                     |                      | 8                       | 7                      |
| 2518-14100        | 00000/0000                   | 2-20027/0293                | 06/23/76         | 70             | 7221                   | 5704N                              | 05723W                              | 51.7         | 140.8        | GGGG              |                     |                      | 8                       | 20                     |
| 2518-14103        | 00000/0000                   | 2-20027/0294                | 06/23/76         | 90             | 7221                   | 5541N                              | 05812W                              | 52.5         | 138.7        | GGGF              |                     |                      | 8                       | 21                     |
| 2518-14105        | 00000/0000                   | 2-20027/0295                | 06/23/76         | 70             | 7221                   | 5417N                              | 05859W                              | 53.3         | 136.5        | GGGG              |                     |                      | 8                       | 22                     |
| 2518-14241        | 00000/0000                   | 2-20027/0359                | 06/23/76         | 40             | 7221                   | 0838N                              | 07333W                              | 50.8         | 63.3         | GGGG              |                     |                      | 8                       | 54                     |
| 2518-14244        | 00000/0000                   | 2-20027/0360                | 06/23/76         | 40             | 7221                   | 0712N                              | 07354W                              | 49.9         | 61.8         | GGGF              |                     |                      | 8                       | 55                     |
| 2518-14285        | 00000/0000                   | 2-20027/0361                | 06/23/76         | 30             | 7221                   | 0711S                              | 07712W                              | 40.0         | 51.1         | FFFF              |                     |                      | 8                       | 65                     |
| 2518-14291        | 00000/0000                   | 2-20027/0362                | 06/23/76         | 10             | 7221                   | 0877S                              | 07733W                              | 38.9         | 50.3         | PPPP              |                     |                      | 8                       | 66                     |
| 2518-14294        | 00000/0000                   | 2-20027/0363                | 06/23/76         | 50             | 7221                   | 1004S                              | 07752W                              | 37.8         | 49.6         | GGGG              |                     |                      | 8                       | 67                     |
| 2518-15543        | 00000/0000                   | 2-20027/0296                | 06/23/76         | 10             | 7222                   | 5253N                              | 08532W                              | 54.0         | 134.2        | FGFG              |                     |                      | 26                      | 23                     |
| 2518-15550        | 00000/0000                   | 2-20027/0297                | 06/23/76         | 60             | 7222                   | 5128N                              | 08614W                              | 54.7         | 132.0        | GGGG              |                     |                      | 26                      | 24                     |
| 2518-15552        | 00000/0000                   | 2-20027/0298                | 06/23/76         | 20             | 7222                   | 5004N                              | 08654W                              | 55.3         | 129.7        | FGGG              |                     |                      | 26                      | 25                     |
| 2518-17284        | 2-20029/0200                 | 00000/0000                  | 06/23/76         | 40             | 7223                   | 8004N                              | 05737W                              | 32.5         | 206.5        | GGG               |                     |                      | 45                      | 1                      |
| 2518-17290        | 2-20029/0201                 | 00000/0000                  | 06/23/76         | 40             | 7223                   | 7922N                              | 06438W                              | 33.6         | 199.1        | GGG               |                     |                      | 45                      | 2                      |
| 2518-17293        | 2-20029/0202                 | 00000/0000                  | 06/23/76         | 30             | 7223                   | 7830N                              | 07049W                              | 34.7         | 192.5        | GGG               |                     |                      | 45                      | 3                      |
| 2518-17295        | 2-20029/0203                 | 00000/0000                  | 06/23/76         | 40             | 7223                   | 7732N                              | 07610W                              | 35.9         | 186.8        | GGG               |                     |                      | 45                      | 4                      |
| 2518-17372        | 00000/0000                   | 2-20027/0326                | 06/23/76         | 100            | 7223                   | 5417N                              | 11036W                              | 53.3         | 136.5        | GGGG              |                     |                      | 44                      | 22                     |
| 2518-17375        | 00000/0000                   | 2-20027/0327                | 06/23/76         | 100            | 7223                   | 5253N                              | 11121W                              | 54.0         | 134.2        | GGGG              |                     |                      | 44                      | 23                     |
| 2518-17381        | 00000/0000                   | 2-20027/0328                | 06/23/76         | 90             | 7223                   | 5129N                              | 11203W                              | 54.7         | 132.0        | FGGG              |                     |                      | 44                      | 24                     |
| 2518-17440        | 00000/0000                   | 2-20027/0329                | 06/23/76         | 0              | 7223                   | 3138N                              | 11918W                              | 59.1         | 96.8         | GGGF              |                     |                      | 44                      | 38                     |
| 2518-17443        | 00000/0000                   | 2-20027/0330                | 06/23/76         | 10             | 7223                   | 3012N                              | 11943W                              | 58.9         | 94.3         | GGGG              |                     |                      | 44                      | 39                     |
| 2518-19111        | 2-20029/0204                 | 00000/0000                  | 06/23/76         | 50             | 7224                   | 8058N                              | 06642W                              | 30.2         | 223.6        | GGG               |                     |                      | 51                      | 246                    |
| 2518-19113        | 2-20029/0205                 | 00000/0000                  | 06/23/76         | 40             | 7224                   | 8036N                              | 07535W                              | 31.4         | 214.5        | GG                |                     |                      | 45                      | 248                    |
| 2518-23103        | 00000/0000                   | 2-20027/0364                | 06/23/76         | 0              | 7226                   | 2549S                              | 14908E                              | 25.0         | 44.5         | GGGF              |                     |                      | 98                      | 78                     |
| 2518-23110        | 00000/0000                   | 2-20027/0365                | 06/23/76         | 10             | 7226                   | 2715S                              | 14845E                              | 23.8         | 44.2         | GGGG              |                     |                      | 98                      | 79                     |
| 2518-23112        | 00000/0000                   | 2-20027/0366                | 06/23/76         | 10             | 7226                   | 2841S                              | 14821E                              | 22.6         | 44.0         | FGGG              |                     |                      | 98                      | 80                     |
| 2518-23115        | 00000/0000                   | 2-20027/0367                | 06/23/76         | 10             | 7226                   | 3007S                              | 14757E                              | 21.4         | 43.8         | FGGG              |                     |                      | 98                      | 81                     |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=HAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>PRINT<br>OF IMAGE | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|---------------------------------|------------------|------------------|----------------|-----------------|--------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                                 |                  |                  |                |                 | LAT                            | LANG         |              | 123 45678             |                     |                      |                         |                        |
| 2518-23121        | 00000/0000                      | 2-20027/0368     | 06/23/76         | 10             | 7226            | 3132S                          | 14732E       | 20.2         | 43.7                  | GGGG                |                      | 98                      | 82                     |
| 2518-23124        | 00000/0000                      | 2-20027/0369     | 06/23/76         | 10             | 7226            | 3258S                          | 14707E       | 19.0         | 43.6                  | GGGG                |                      | 98                      | 83                     |
| 2518-23133        | 00000/0000                      | 2-20027/0370     | 06/23/76         | 50             | 7226            | 3549S                          | 14616E       | 16.5         | 43.5                  | GGGG                |                      | 98                      | 85                     |
| 2518-23135        | 00000/0000                      | 2-20027/0371     | 06/23/76         | 90             | 7226            | 3714S                          | 14549E       | 15.3         | 43.5                  | GGGF                |                      | 98                      | 86                     |
| 2519-00553        | 00000/0000                      | 2-20027/0357     | 06/24/76         | 60             | 7227            | 3133S                          | 12143E       | 20.2         | 43.7                  | F GG                |                      | 116                     | 82                     |
| 2519-00555        | 00000/0000                      | 2-20027/0372     | 06/24/76         | 70             | 7227            | 3259S                          | 12117E       | 19.0         | 43.6                  | GGGG                |                      | 116                     | 83                     |
| 2519-03554        | 00000/0000                      | 2-20027/0109     | 06/24/76         | 50             | 7229            | 5828N                          | 09659E       | 50.8         | 143.0                 | GGGG                |                      | 152                     | 19                     |
| 2519-03561        | 00000/0000                      | 2-20027/0110     | 06/24/76         | 40             | 7229            | 5705N                          | 09605E       | 51.7         | 140.8                 | FGGG                |                      | 152                     | 20                     |
| 2519-03563        | 00000/0000                      | 2-20027/0111     | 06/24/76         | 60             | 7229            | 5541N                          | 09515E       | 52.5         | 138.6                 | FGGG                |                      | 152                     | 21                     |
| 2519-03570        | 00000/0000                      | 2-20027/0112     | 06/24/76         | 90             | 7229            | 5417N                          | 09428E       | 53.2         | 136.4                 | FGGG                |                      | 152                     | 22                     |
| 2519-03572        | 00000/0000                      | 2-20027/0113     | 06/24/76         | 90             | 7229            | 5253N                          | 09344E       | 54.0         | 134.2                 | FFFF                |                      | 152                     | 23                     |
| 2519-03575        | 00000/0000                      | 2-20027/0114     | 06/24/76         | 40             | 7229            | 5140N                          | 09302E       | 54.7         | 132.0                 | FGGG                |                      | 152                     | 24                     |
| 2519-03595        | 00000/0000                      | 2-20027/0115     | 06/24/76         | 40             | 7229            | 4427N                          | 08959E       | 57.4         | 120.1                 | GGGG                |                      | 152                     | 29                     |
| 2519-03590        | 00000/0000                      | 2-20027/0479     | 06/24/76         | 10             | 7230            | 5827N                          | 07111E       | 50.8         | 142.9                 | GGGG                |                      | 170                     | 19                     |
| 2519-03592        | 00000/0000                      | 2-20027/0480     | 06/24/76         | 10             | 7230            | 5744N                          | 07017E       | 51.7         | 140.8                 | GGGG                |                      | 170                     | 20                     |
| 2519-03595        | 00000/0000                      | 2-20027/0481     | 06/24/76         | 20             | 7230            | 5541N                          | 06927E       | 52.5         | 138.6                 | GGGG                |                      | 170                     | 21                     |
| 2519-05401        | 00000/0000                      | 2-20027/0482     | 06/24/76         | 50             | 7230            | 5417N                          | 06840E       | 53.2         | 136.4                 | GGGG                |                      | 170                     | 22                     |
| 2519-05404        | 00000/0000                      | 2-20027/0483     | 06/24/76         | 60             | 7230            | 5253N                          | 06755E       | 54.0         | 134.2                 | GGGG                |                      | 170                     | 23                     |
| 2519-05410        | 00000/0000                      | 2-20027/0484     | 06/24/76         | 10             | 7230            | 5129N                          | 06713E       | 54.6         | 132.0                 | GGGG                |                      | 170                     | 24                     |
| 2519-05413        | 00000/0000                      | 2-20027/0455     | 06/24/76         | 10             | 7230            | 5055N                          | 06633E       | 55.3         | 129.7                 | GGGG                |                      | 170                     | 25                     |
| 2519-05415        | 00000/0000                      | 2-20027/0456     | 06/24/76         | 10             | 7230            | 4840N                          | 06554E       | 55.9         | 127.3                 | FGGG                |                      | 170                     | 26                     |
| 2519-05422        | 00000/0000                      | 2-20027/0457     | 06/24/76         | 50             | 7230            | 4716N                          | 06518E       | 56.5         | 125.0                 | GGGG                |                      | 170                     | 27                     |
| 2519-05424        | 00000/0000                      | 2-20027/0458     | 06/24/76         | 40             | 7230            | 4551N                          | 06444E       | 57.0         | 122.6                 | GGGG                |                      | 170                     | 28                     |
| 2519-05431        | 00000/0000                      | 2-20027/0459     | 06/24/76         | 10             | 7230            | 4426N                          | 06410E       | 57.4         | 120.1                 | FGGG                |                      | 170                     | 29                     |
| 2519-05445        | 00000/0000                      | 2-20027/0460     | 06/24/76         | 0              | 7230            | 3846N                          | 06209E       | 58.7         | 109.9                 | GGGG                |                      | 170                     | 33                     |
| 2519-05451        | 00000/0000                      | 2-20027/0461     | 06/24/76         | 0              | 7230            | 3721N                          | 06141E       | 58.9         | 107.3                 | GGGG                |                      | 170                     | 34                     |
| 2519-05454        | 00000/0000                      | 2-20027/0462     | 06/24/76         | 0              | 7230            | 3555N                          | 06114E       | 59.0         | 104.7                 | GGGG                |                      | 170                     | 35                     |
| 2519-05460        | 00000/0000                      | 2-20027/0463     | 06/24/76         | 0              | 7230            | 3420N                          | 06047E       | 59.1         | 102.1                 | GGGF                |                      | 170                     | 36                     |
| 2519-05463        | 00000/0000                      | 2-20027/0464     | 06/24/76         | 0              | 7230            | 3344N                          | 06021E       | 59.1         | 99.5                  | GGGG                |                      | 170                     | 37                     |
| 2519-05465        | 00000/0000                      | 2-20027/0465     | 06/24/76         | 0              | 7230            | 3138N                          | 05955E       | 59.0         | 96.9                  | GGGG                |                      | 170                     | 38                     |
| 2519-05472        | 00000/0000                      | 2-20027/0466     | 06/24/76         | 0              | 7230            | 3012N                          | 05931E       | 58.9         | 94.3                  | GGGG                |                      | 170                     | 39                     |
| 2519-07213        | 00000/0000                      | 2-20027/0467     | 06/24/76         | 90             | 7231            | 6113N                          | 04721E       | 49.1         | 147.2                 | GGGG                |                      | 188                     | 17                     |
| 2519-07215        | 00000/0000                      | 2-20027/0468     | 06/24/76         | 90             | 7231            | 5950N                          | 04620E       | 50.0         | 145.1                 | GGGG                |                      | 188                     | 18                     |
| 2519-07222        | 00000/0000                      | 2-20027/0469     | 06/24/76         | 70             | 7231            | 5828N                          | 04522E       | 50.8         | 142.9                 | GGGG                |                      | 188                     | 19                     |
| 2519-07224        | 00000/0000                      | 2-20027/0470     | 06/24/76         | 50             | 7231            | 5744N                          | 04428E       | 51.7         | 140.8                 | GGGG                |                      | 188                     | 20                     |
| 2519-07231        | 00000/0000                      | 2-20027/0471     | 06/24/76         | 50             | 7231            | 5541N                          | 04337E       | 52.5         | 138.6                 | FFFF                |                      | 188                     | 21                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 23, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RRV | ROLL NO./<br>IN RST<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RST<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|-----------------|------------------------------|-------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2519-07233        | 00000/0000                   | 2-20027/0472               | 06/24/76         | 50             | 7231            | 5417N                        | 04250E                        | 53.2         | 136.4        | GGGG                               |                     |                      | 188                     | 22                     |
| 2519-07240        | 00000/0000                   | 2-20027/0473               | 06/24/76         | 30             | 7231            | 5253N                        | 04205E                        | 54.0         | 134.2        | GGGG                               |                     |                      | 188                     | 23                     |
| 2519-07242        | 00000/0000                   | 2-20027/0474               | 06/24/76         | 30             | 7231            | 5129N                        | 04123E                        | 54.6         | 132.0        | GGGG                               |                     |                      | 188                     | 24                     |
| 2519-07245        | 00000/0000                   | 2-20027/0475               | 06/24/76         | 30             | 7231            | 5005N                        | 04043E                        | 55.3         | 129.7        | GGGG                               |                     |                      | 188                     | 25                     |
| 2519-07251        | 00000/0000                   | 2-20027/0476               | 06/24/76         | 40             | 7231            | 4840N                        | 04005E                        | 55.9         | 127.3        | GGGG                               |                     |                      | 188                     | 26                     |
| 2519-07254        | 00000/0000                   | 2-20027/0477               | 06/24/76         | 60             | 7231            | 4715N                        | 03929E                        | 56.5         | 125.0        | GGGG                               |                     |                      | 188                     | 27                     |
| 2519-07260        | 00000/0000                   | 2-20027/0478               | 06/24/76         | 70             | 7231            | 4551N                        | 03855E                        | 57.0         | 122.5        | GGGG                               |                     |                      | 188                     | 28                     |
| 2519-07263        | 00000/0000                   | 2-20028/0116               | 06/24/76         | 80             | 7231            | 4426N                        | 03822E                        | 57.4         | 120.1        | FGGG                               |                     |                      | 188                     | 29                     |
| 2519-09033        | 00000/0000                   | 2-20028/0117               | 06/24/76         | 40             | 7232            | 6516N                        | 02507E                        | 46.3         | 153.9        | GGGG                               |                     |                      | 206                     | 14                     |
| 2519-09035        | 00000/0000                   | 2-20028/0118               | 06/24/76         | 50             | 7232            | 6355N                        | 02349E                        | 47.3         | 151.6        | GGGG                               |                     |                      | 206                     | 15                     |
| 2519-09042        | 00000/0000                   | 2-20028/0119               | 06/24/76         | 50             | 7232            | 6234N                        | 02236E                        | 48.2         | 149.4        | GGGG                               |                     |                      | 206                     | 16                     |
| 2519-09180        | 00000/0000                   | 2-20028/0120               | 06/24/76         | 30             | 7232            | 1550N                        | 00409E                        | 54.6         | 71.7         | GGGG                               |                     |                      | 206                     | 49                     |
| 2519-09183        | 00000/0000                   | 2-20028/0121               | 06/24/76         | 20             | 7232            | 1424N                        | 00348E                        | 53.9         | 69.9         | GGGG                               |                     |                      | 206                     | 50                     |
| 2519-09185        | 00000/0000                   | 2-20028/0120               | 06/24/76         | 60             | 7232            | 1258N                        | 00328E                        | 53.2         | 68.1         | GGGG                               |                     |                      | 206                     | 51                     |
| 2519-14172        | 00000/0000                   | 2-20028/0010               | 06/24/76         | 30             | 7235            | 5129N                        | 06149W                        | 54.6         | 132.0        | GGGG                               |                     |                      | 9                       | 24                     |
| 2519-14175        | 00000/0000                   | 2-20028/0011               | 06/24/76         | 40             | 7235            | 5005N                        | 06029W                        | 55.3         | 129.7        | GGGG                               |                     |                      | 9                       | 25                     |
| 2519-14181        | 00000/0000                   | 2-20028/0012               | 06/24/76         | 10             | 7235            | 4841N                        | 06007W                        | 55.9         | 127.4        | FGGG                               |                     |                      | 9                       | 26                     |
| 2519-14190        | 00000/0000                   | 2-20028/0013               | 06/24/76         | 20             | 7235            | 4552N                        | 06418W                        | 56.9         | 122.6        | GGGG                               |                     |                      | 9                       | 28                     |
| 2519-14193        | 00000/0000                   | 2-20028/0014               | 06/24/76         | 30             | 7235            | 4428N                        | 06451W                        | 57.4         | 120.1        | GGGG                               |                     |                      | 9                       | 29                     |
| 2519-14195        | 00000/0000                   | 2-20028/0015               | 06/24/76         | 80             | 7235            | 4303N                        | 06523W                        | 57.8         | 117.6        | GGGG                               |                     |                      | 9                       | 30                     |
| 2519-14202        | 00000/0000                   | 2-20028/0016               | 06/24/76         | 80             | 7235            | 4138N                        | 06554W                        | 58.2         | 115.1        | GGGG                               |                     |                      | 9                       | 31                     |
| 2519-15522        | 00000/0000                   | 2-20028/0021               | 06/24/76         | 100            | 7236            | 7736N                        | 05130W                        | 35.8         | 187.1        | GGGG                               |                     |                      | 27                      | 4                      |
| 2519-16001        | 00000/0000                   | 2-20028/0017               | 06/24/76         | 70             | 7236            | 5255N                        | 08657W                        | 53.9         | 134.2        | GGGG                               |                     |                      | 27                      | 23                     |
| 2519-16004        | 00000/0000                   | 2-20028/0018               | 06/24/76         | 20             | 7236            | 5131N                        | 08739W                        | 54.6         | 132.0        | GGGG                               |                     |                      | 27                      | 24                     |
| 2519-16010        | 00000/0000                   | 2-20028/0019               | 06/24/76         | 30             | 7236            | 5007N                        | 08819W                        | 55.3         | 129.7        | GGGG                               |                     |                      | 27                      | 25                     |
| 2519-17340        | 2-20029/0206                 | 00000/0000                 | 06/24/76         | 70             | 7237            | 8038N                        | 05042W                        | 31.3         | 215.1        | GG                                 |                     |                      | 27                      | 248                    |
| 2519-17342        | 2-20029/0207                 | 00000/0000                 | 06/24/76         | 80             | 7237            | 8006N                        | 05048W                        | 32.4         | 206.7        | PPP                                |                     |                      | 45                      | 1                      |
| 2519-17345        | 2-20029/0208                 | 00000/0000                 | 06/24/76         | 70             | 7237            | 7923N                        | 06559W                        | 33.6         | 199.2        | FFG                                |                     |                      | 45                      | 2                      |
| 2519-17351        | 2-20029/0209                 | 00000/0000                 | 06/24/76         | 10             | 7237            | 7832N                        | 07212W                        | 34.7         | 192.6        | PPF                                |                     |                      | 45                      | 3                      |
| 2519-17354        | 2-20029/0210                 | 00000/0000                 | 06/24/76         | 10             | 7237            | 7735N                        | 07731W                        | 35.8         | 186.9        | PPF                                |                     |                      | 45                      | 4                      |
| 2519-17431        | 00000/0000                   | 2-20027/0402               | 06/24/76         | 90             | 7237            | 5420N                        | 11201W                        | 53.2         | 136.4        | FGGG                               |                     |                      | 45                      | 22                     |
| 2519-17433        | 00000/0000                   | 2-20027/0403               | 06/24/76         | 80             | 7237            | 5255N                        | 11246W                        | 53.9         | 134.2        | GGG                                |                     |                      | 45                      | 23                     |
| 2519-17440        | 00000/0000                   | 2-20027/0404               | 06/24/76         | 40             | 7237            | 5131N                        | 11328W                        | 54.6         | 132.0        | GGGG                               |                     |                      | 45                      | 24                     |
| 2519-17495        | 00000/0000                   | 2-20027/0405               | 06/24/76         | 0              | 7237            | 3139N                        | 12045W                        | 59.0         | 96.9         | GGGG                               |                     |                      | 45                      | 38                     |
| 2519-17501        | 00000/0000                   | 2-20027/0406               | 06/24/76         | 10             | 7237            | 3013N                        | 12110W                        | 58.9         | 94.3         | GGGG                               |                     |                      | 45                      | 39                     |
| 2519-19165        | 2-20029/0211                 | 00000/0000                 | 06/24/76         | 40             | 7238            | 2058N                        | 06703W                        | 30.1         | 224.5        | P                                  |                     |                      | 51                      | 246                    |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR N-N-US  
FROM 01/22/76 TO 01/22/77

PAGE 0324

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2519-19171        | 2-20023/0212                 | 00000/0000                  | 06/24/76         | 40             | 7236          | 8038N                        | 07558W        | 31.2         | 215.4        | PPP                   |                     |                      | 45                      | 248                    |
| 2519-21005        | 00000/0000                   | 2-20028/0076                | 06/24/76         | 10             | 7239          | 8006N                        | 10955W        | 32.4         | 207.0        | GGGG                  |                     |                      | 81                      | 1                      |
| 2519-21012        | 00000/0000                   | 2-20028/0077                | 06/24/76         | 50             | 7239          | 7924N                        | 11708W        | 33.5         | 199.5        | GGGG                  |                     |                      | 81                      | 2                      |
| 2519-21014        | 00000/0000                   | 2-20028/0078                | 06/24/76         | 80             | 7239          | 7833N                        | 12323W        | 34.6         | 192.9        | GGGG                  |                     |                      | 81                      | 3                      |
| 2519-21021        | 00000/0000                   | 2-20028/0079                | 06/24/76         | 90             | 7239          | 7736N                        | 12845W        | 35.8         | 187.1        | GGGG                  |                     |                      | 81                      | 4                      |
| 2519-21023        | 00000/0000                   | 2-20028/0080                | 06/24/76         | 100            | 7239          | 7633N                        | 13322W        | 36.9         | 182.0        | FFGF                  |                     |                      | 81                      | 5                      |
| 2519-21030        | 00000/0000                   | 2-20028/0081                | 06/24/76         | 100            | 7239          | 7526N                        | 13722W        | 38.0         | 177.6        | GGGG                  |                     |                      | 81                      | 6                      |
| 2519-21032        | 00000/0000                   | 2-20028/0082                | 06/24/76         | 90             | 7239          | 7417N                        | 14048W        | 39.1         | 173.6        | GGGG                  |                     |                      | 81                      | 7                      |
| 2519-21035        | 00000/0000                   | 2-20028/0083                | 06/24/76         | 90             | 7239          | 7305N                        | 14345W        | 40.1         | 170.1        | GGGG                  |                     |                      | 81                      | 8                      |
| 2519-21041        | 00000/0000                   | 2-20028/0084                | 06/24/76         | 60             | 7239          | 7151N                        | 14619W        | 41.2         | 166.9        | GGGG                  |                     |                      | 81                      | 9                      |
| 2519-23152        | 00000/0000                   | 2-20028/0022                | 06/24/76         | 0              | 7240          | 2259S                        | 14826E        | 27.4         | 45.1         | GGGG                  |                     |                      | 99                      | 76                     |
| 2519-23155        | 00000/0000                   | 2-20028/0023                | 06/24/76         | 0              | 7240          | 2425S                        | 14804E        | 26.2         | 44.8         | FFGF                  |                     |                      | 99                      | 77                     |
| 2519-23182        | 00000/0000                   | 2-20028/0024                | 06/24/76         | 10             | 7240          | 3259S                        | 14541E        | 18.9         | 43.6         | GGGG                  |                     |                      | 99                      | 83                     |
| 2519-23184        | 00000/0000                   | 2-20028/0025                | 06/24/76         | 20             | 7240          | 3424S                        | 14516E        | 17.7         | 43.6         | GGGG                  |                     |                      | 99                      | 84                     |
| 2519-23191        | 00000/0000                   | 2-20028/0026                | 06/24/76         | 20             | 7240          | 3550S                        | 14450E        | 16.5         | 43.5         | GGGG                  |                     |                      | 99                      | 85                     |
| 2519-23193        | 00000/0000                   | 2-20028/0027                | 06/24/76         | 10             | 7240          | 3715S                        | 14423E        | 15.3         | 43.5         | GGGG                  |                     |                      | 99                      | 86                     |
| 2520-01011        | 00000/0000                   | 2-20028/0028                | 06/25/76         | 10             | 7241          | 3134S                        | 12017E        | 20.2         | 43.8         | GGGG                  |                     |                      | 117                     | 82                     |
| 2520-01013        | 00000/0000                   | 2-20028/0029                | 06/25/76         | 60             | 7241          | 3300S                        | 11952E        | 18.9         | 43.7         | GGGG                  |                     |                      | 117                     | 83                     |
| 2520-01020        | 00000/0000                   | 2-20028/0030                | 06/25/76         | 50             | 7241          | 3425S                        | 11926E        | 17.7         | 43.6         | GGGG                  |                     |                      | 117                     | 84                     |
| 2520-02204        | 00000/0000                   | 2-20028/0122                | 06/25/76         | 10             | 7242          | 5004N                        | 11646E        | 55.3         | 129.6        | GGGG                  |                     |                      | 135                     | 25                     |
| 2520-02211        | 00000/0000                   | 2-20028/0123                | 06/25/76         | 30             | 7242          | 4840N                        | 11608E        | 55.9         | 127.3        | GGGG                  |                     |                      | 135                     | 26                     |
| 2520-02231        | 00000/0000                   | 2-20028/0124                | 06/25/76         | 10             | 7242          | 4136N                        | 11322E        | 58.2         | 115.0        | GGGG                  |                     |                      | 135                     | 31                     |
| 2520-02234        | 00000/0000                   | 2-20028/0125                | 06/25/76         | 0              | 7242          | 4011N                        | 11251E        | 58.4         | 112.6        | GGGG                  |                     |                      | 135                     | 32                     |
| 2520-02240        | 00000/0000                   | 2-20028/0126                | 06/25/76         | 0              | 7242          | 3846N                        | 11221E        | 58.7         | 109.9        | GGGG                  |                     |                      | 135                     | 33                     |
| 2520-02243        | 00000/0000                   | 2-20028/0127                | 06/25/76         | 10             | 7242          | 3721N                        | 11153E        | 58.9         | 107.3        | GGGG                  |                     |                      | 135                     | 34                     |
| 2520-02245        | 00000/0000                   | 2-20028/0128                | 06/25/76         | 20             | 7242          | 3556N                        | 11126E        | 59.0         | 104.7        | GGGG                  |                     |                      | 135                     | 35                     |
| 2520-02252        | 00000/0000                   | 2-20028/0129                | 06/25/76         | 30             | 7242          | 3431N                        | 11100E        | 59.0         | 102.0        | GGGG                  |                     |                      | 135                     | 36                     |
| 2520-04013        | 00000/0000                   | 2-20027/0485                | 06/25/76         | 80             | 7243          | 5827N                        | 09531E        | 50.8         | 142.9        | FFGF                  |                     |                      | 153                     | 19                     |
| 2520-04015        | 00000/0000                   | 2-20027/0486                | 06/25/76         | 90             | 7243          | 5744N                        | 09438E        | 51.6         | 140.7        | GGGG                  |                     |                      | 153                     | 20                     |
| 2520-04022        | 00000/0000                   | 2-20027/0487                | 06/25/76         | 50             | 7243          | 5541N                        | 09348E        | 52.4         | 138.5        | GGGG                  |                     |                      | 153                     | 21                     |
| 2520-04024        | 00000/0000                   | 2-20027/0488                | 06/25/76         | 40             | 7243          | 5447N                        | 09301E        | 53.2         | 136.3        | FFGF                  |                     |                      | 153                     | 22                     |
| 2520-04054        | 00000/0000                   | 2-20027/0489                | 06/25/76         | 100            | 7243          | 4424N                        | 08832E        | 57.4         | 120.0        | GGGG                  |                     |                      | 153                     | 29                     |
| 2520-04060        | 00000/0000                   | 2-20027/0490                | 06/25/76         | 100            | 7243          | 4259N                        | 08801E        | 57.8         | 117.5        | GGGG                  |                     |                      | 153                     | 30                     |
| 2520-05442        | 00000/0000                   | 2-20028/0055                | 06/25/76         | 50             | 7244          | 5949N                        | 07039E        | 50.0         | 145.0        | GGGG                  |                     |                      | 171                     | 18                     |
| 2520-05444        | 00000/0000                   | 2-20028/0056                | 06/25/76         | 30             | 7244          | 5827N                        | 06942E        | 50.8         | 142.8        | FFGF                  |                     |                      | 171                     | 19                     |
| 2520-05451        | 00000/0000                   | 2-20028/0057                | 06/25/76         | 50             | 7244          | 5704N                        | 06849E        | 51.6         | 140.7        | GGGG                  |                     |                      | 171                     | 20                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2520-05453        | 00000/0000                   | 2-2002R/0058                | 06/25/76         | 70             | 7244             | 5540N                        | 06759E        | 52.4         | 138.5        | GGGF                  |                     |                      | 171                     | 21                     |
| 2520-05460        | 00000/0000                   | 2-2002R/0059                | 06/25/76         | 50             | 7244             | 5416N                        | 06712E        | 53.2         | 136.3        | GGGG                  |                     |                      | 171                     | 22                     |
| 2520-05462        | 00000/0000                   | 2-2002R/0060                | 06/25/76         | 20             | 7244             | 5252N                        | 06628E        | 53.9         | 134.1        | GGGG                  |                     |                      | 171                     | 23                     |
| 2520-05465        | 00000/0000                   | 2-2002R/0061                | 06/25/76         | 10             | 7244             | 5128N                        | 06546E        | 54.6         | 131.9        | GGGF                  |                     |                      | 171                     | 24                     |
| 2520-05471        | 00000/0000                   | 2-2002R/0062                | 06/25/76         | 0              | 7244             | 5004N                        | 06506E        | 55.3         | 129.6        | GGGG                  |                     |                      | 171                     | 25                     |
| 2520-05494        | 00000/0000                   | 2-2002R/0063                | 06/25/76         | 10             | 7244             | 4135N                        | 06140E        | 58.1         | 115.0        | GGGG                  |                     |                      | 171                     | 31                     |
| 2520-05530        | 00000/0000                   | 2-2002R/0064                | 06/25/76         | 0              | 7244             | 3011N                        | 05804E        | 58.8         | 94.3         | GGGG                  |                     |                      | 171                     | 39                     |
| 2520-07264        | 00000/0000                   | 2-2002R/0065                | 06/25/76         | 90             | 7245             | 6234N                        | 04704E        | 48.2         | 149.3        | GGGG                  |                     |                      | 189                     | 16                     |
| 2520-07271        | 00000/0000                   | 2-2002R/0066                | 06/25/76         | 90             | 7245             | 6112N                        | 04557E        | 49.1         | 147.1        | GGGG                  |                     |                      | 189                     | 17                     |
| 2520-07273        | 00000/0000                   | 2-2002R/0067                | 06/25/76         | 60             | 7245             | 5950N                        | 04455E        | 50.0         | 145.0        | GGGG                  |                     |                      | 189                     | 18                     |
| 2520-07280        | 00000/0000                   | 2-2002R/0031                | 06/25/76         | 70             | 7245             | 5827N                        | 04357E        | 50.8         | 142.8        | GGGG                  |                     |                      | 189                     | 19                     |
| 2520-07282        | 00000/0000                   | 2-2002R/0032                | 06/25/76         | 40             | 7245             | 5704N                        | 04303E        | 51.6         | 140.7        | GGGG                  |                     |                      | 189                     | 20                     |
| 2520-07285        | 00000/0000                   | 2-2002R/0033                | 06/25/76         | 30             | 7245             | 5540N                        | 04213E        | 52.4         | 138.5        | GGGG                  |                     |                      | 189                     | 21                     |
| 2520-07291        | 00000/0000                   | 2-2002R/0034                | 06/25/76         | 30             | 7245             | 5416N                        | 04125E        | 53.2         | 136.3        | GGGG                  |                     |                      | 189                     | 22                     |
| 2520-07294        | 00000/0000                   | 2-2002R/0035                | 06/25/76         | 20             | 7245             | 5252N                        | 04040E        | 53.9         | 134.1        | GGGG                  |                     |                      | 189                     | 23                     |
| 2520-07300        | 00000/0000                   | 2-2002R/0036                | 06/25/76         | 20             | 7245             | 5127N                        | 03958E        | 54.6         | 131.9        | GGGG                  |                     |                      | 189                     | 24                     |
| 2520-07303        | 00000/0000                   | 2-2002R/0037                | 06/25/76         | 60             | 7245             | 5033N                        | 03918E        | 55.3         | 129.6        | GGGG                  |                     |                      | 189                     | 25                     |
| 2520-07305        | 00000/0000                   | 2-2002R/0038                | 06/25/76         | 70             | 7245             | 4840N                        | 03840E        | 55.9         | 127.2        | GGGG                  |                     |                      | 189                     | 26                     |
| 2520-07312        | 00000/0000                   | 2-2002R/0039                | 06/25/76         | 50             | 7245             | 4715N                        | 03804E        | 56.4         | 124.9        | GGGG                  |                     |                      | 189                     | 27                     |
| 2520-07314        | 00000/0000                   | 2-2002R/0040                | 06/25/76         | 50             | 7245             | 4550N                        | 03729E        | 56.9         | 122.5        | GGGG                  |                     |                      | 189                     | 28                     |
| 2520-07321        | 00000/0000                   | 2-2002R/0041                | 06/25/76         | 10             | 7245             | 4425N                        | 03656E        | 57.4         | 120.0        | GGGG                  |                     |                      | 189                     | 29                     |
| 2520-09084        | 00000/0000                   | 2-2002R/0042                | 06/25/76         | 60             | 7246             | 6636N                        | 02511E        | 45.3         | 156.1        | GGGG                  |                     |                      | 207                     | 13                     |
| 2520-09091        | 00000/0000                   | 2-2002R/0043                | 06/25/76         | 50             | 7246             | 6515N                        | 02344E        | 46.3         | 153.8        | GGGG                  |                     |                      | 207                     | 14                     |
| 2520-09093        | 00000/0000                   | 2-2002R/0044                | 06/25/76         | 70             | 7246             | 6354N                        | 02225E        | 47.2         | 151.5        | GGGG                  |                     |                      | 207                     | 15                     |
| 2520-09100        | 00000/0000                   | 2-2002R/0045                | 06/25/76         | 30             | 7246             | 6232N                        | 02112E        | 48.2         | 149.3        | GGGG                  |                     |                      | 207                     | 16                     |
| 2520-13031        | 00000/0000                   | 2-2002R/0046                | 06/25/76         | 100            | 7248             | 2841S                        | 05937W        | 22.6         | 44.1         | GGGG                  |                     |                      | 243                     | 80                     |
| 2520-13034        | 00000/0000                   | 2-2002R/0047                | 06/25/76         | 100            | 7248             | 3007S                        | 06001W        | 21.4         | 43.9         | GGGG                  |                     |                      | 243                     | 81                     |
| 2520-13040        | 00000/0000                   | 2-2002R/0048                | 06/25/76         | 100            | 7248             | 3132S                        | 06026W        | 20.2         | 43.8         | GGGG                  |                     |                      | 243                     | 82                     |
| 2520-13043        | 00000/0000                   | 2-2002R/0049                | 06/25/76         | 90             | 7248             | 3258S                        | 06051W        | 18.9         | 43.7         | GGGG                  |                     |                      | 243                     | 83                     |
| 2520-13045        | 00000/0000                   | 2-2002R/0050                | 06/25/76         | 70             | 7248             | 3424S                        | 06117W        | 17.7         | 43.6         | FFFF                  |                     |                      | 243                     | 84                     |
| 2520-13052        | 00000/0000                   | 2-2002R/0051                | 06/25/76         | 10             | 7248             | 3549S                        | 06143W        | 16.5         | 43.6         | GGGG                  |                     |                      | 243                     | 85                     |
| 2520-13054        | 00000/0000                   | 2-2002R/0052                | 06/25/76         | 20             | 7248             | 3715S                        | 06210W        | 15.3         | 43.5         | PPPP                  |                     |                      | 243                     | 86                     |
| 2520-13061        | 00000/0000                   | 2-2002R/0053                | 06/25/76         | 10             | 7248             | 3840S                        | 06238W        | 14.0         | 43.6         | GGGG                  |                     |                      | 243                     | 87                     |
| 2520-13063        | 00000/0000                   | 2-2002R/0054                | 06/25/76         | 0              | 7248             | 4005S                        | 06307W        | 12.8         | 43.6         | FFFF                  |                     |                      | 243                     | 88                     |
| 2520-14233        | 00000/0000                   | 2-20027/0441                | 06/25/76         | 70             | 7249             | 5025N                        | 06356W        | 55.2         | 129.6        | GGGG                  |                     |                      | 10                      | 25                     |
| 2520-14240        | 00000/0000                   | 2-20027/0442                | 06/25/76         | 90             | 7249             | 4840N                        | 06434W        | 55.8         | 127.3        | GGGG                  |                     |                      | 10                      | 26                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

02144 APR 28, 177

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | BREVI<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | LONG  | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | 123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------|--------------|--------------|-----------------------|-----------|---------------------|----------------------|-------------------------|------------------------|
| 2520-14260        | 00000/0000                                     | 2-20027/0443     | 06/25/76       | 100             | 7249                               | 4135N | 06721W       | 58.1         | 115.0                 | GGGG      |                     |                      | 10                      | 31                     |
| 2520-14263        | 00000/0000                                     | 2-20027/0444     | 06/25/76       | 90              | 7249                               | 4010N | 06751W       | 58.4         | 112.5                 | GGGG      |                     |                      | 10                      | 32                     |
| 2520-14265        | 00000/0000                                     | 2-20027/0445     | 06/25/76       | 40              | 7249                               | 3845N | 06819W       | 58.7         | 109.9                 | GGGG      |                     |                      | 10                      | 33                     |
| 2520-16062        | 00000/0000                                     | 2-20027/0446     | 06/25/76       | 70              | 7250                               | 5130N | 08904W       | 54.6         | 131.9                 | GGGG      |                     |                      | 28                      | 24                     |
| 2520-16065        | 00000/0000                                     | 2-20027/0447     | 06/25/76       | 100             | 7250                               | 5006N | 08945W       | 55.2         | 129.6                 | GGGG      |                     |                      | 28                      | 25                     |
| 2520-16142        | 00000/0000                                     | 2-20028/0088     | 06/25/76       | 40              | 7250                               | 2428N | 09820W       | 57.7         | 84.5                  | GGGG      |                     |                      | 28                      | 43                     |
| 2520-17391        | 2-20029/0213                                   | 00000/0000       | 06/25/76       | 50              | 7251                               | 8056N | 04323W       | 30.1         | 224.0                 | PPP       |                     |                      | 35                      | 246                    |
| 2520-17394        | 2-20029/0214                                   | 00000/0000       | 06/25/76       | 90              | 7251                               | 8035N | 05216W       | 31.3         | 214.9                 | P         |                     |                      | 29                      | 248                    |
| 2520-17403        | 2-20029/0215                                   | 00000/0000       | 06/25/76       | 10              | 7251                               | 7920N | 06727W       | 33.5         | 199.0                 | FGG       |                     |                      | 47                      | 2                      |
| 2520-17405        | 2-20029/0216                                   | 00000/0000       | 06/25/76       | 10              | 7251                               | 7829N | 07339W       | 34.7         | 192.5                 | GG        |                     |                      | 47                      | 3                      |
| 2520-17412        | 2-20029/0217                                   | 00000/0000       | 06/25/76       | 0               | 7251                               | 7731N | 07857W       | 35.8         | 186.7                 | PPP       |                     |                      | 46                      | 4                      |
| 2520-17485        | 00000/0000                                     | 2-20029/0085     | 06/25/76       | 90              | 7251                               | 5418N | 11326W       | 53.2         | 136.3                 | GGGG      |                     |                      | 46                      | 22                     |
| 2520-17491        | 00000/0000                                     | 2-20029/0086     | 06/25/76       | 90              | 7251                               | 5255N | 11411W       | 53.9         | 134.1                 | GGGG      |                     |                      | 46                      | 23                     |
| 2520-17494        | 00000/0000                                     | 2-20029/0087     | 06/25/76       | 80              | 7251                               | 5131N | 11453W       | 54.6         | 131.9                 | GGGF      |                     |                      | 46                      | 24                     |
| 2520-19223        | 2-20029/0218                                   | 00000/0000       | 06/25/76       | 60              | 7252                               | 8058N | 06847W       | 30.0         | 224.3                 | FPP       |                     |                      | 53                      | 246                    |
| 2520-19225        | 2-20029/0219                                   | 00000/0000       | 06/25/76       | 50              | 7252                               | 8038N | 07739W       | 31.2         | 215.2                 | FPP       |                     |                      | 46                      | 248                    |
| 2520-21064        | 00000/0000                                     | 2-20027/0433     | 06/25/76       | 100             | 7253                               | 8007N | 11129W       | 32.4         | 206.8                 | GGGG      |                     |                      | 82                      | 1                      |
| 2520-21070        | 00000/0000                                     | 2-20027/0434     | 06/25/76       | 100             | 7253                               | 7924N | 11845W       | 33.5         | 199.3                 | GGGG      |                     |                      | 82                      | 2                      |
| 2520-21073        | 00000/0000                                     | 2-20027/0435     | 06/25/76       | 90              | 7253                               | 7833N | 12502W       | 34.6         | 192.7                 | GGGG      |                     |                      | 82                      | 3                      |
| 2520-21075        | 00000/0000                                     | 2-20027/0436     | 06/25/76       | 70              | 7253                               | 7736N | 13023W       | 35.7         | 186.9                 | GGGG      |                     |                      | 82                      | 4                      |
| 2520-21082        | 00000/0000                                     | 2-20027/0437     | 06/25/76       | 30              | 7253                               | 7633N | 13459W       | 36.9         | 181.9                 | GGGG      |                     |                      | 82                      | 5                      |
| 2520-21084        | 00000/0000                                     | 2-20027/0438     | 06/25/76       | 60              | 7253                               | 7527N | 13856W       | 38.0         | 177.4                 | GGGG      |                     |                      | 82                      | 6                      |
| 2520-21093        | 00000/0000                                     | 2-20027/0439     | 06/25/76       | 90              | 7253                               | 7304N | 14516W       | 40.1         | 170.0                 | GGGG      |                     |                      | 82                      | 8                      |
| 2520-21100        | 00000/0000                                     | 2-20027/0440     | 06/25/76       | 100             | 7253                               | 7150N | 14750W       | 41.2         | 166.8                 | GGGG      |                     |                      | 82                      | 9                      |
| 2520-23211        | 00000/0000                                     | 2-20027/0491     | 06/25/76       | 40              | 7254                               | 2300S | 14659E       | 27.3         | 45.2                  | GGGG      |                     |                      | 100                     | 76                     |
| 2520-23243        | 00000/0000                                     | 2-20027/0492     | 06/25/76       | 70              | 7254                               | 3426S | 14350E       | 17.7         | 43.6                  | GGGG      |                     |                      | 100                     | 84                     |
| 2520-23245        | 00000/0000                                     | 2-20027/0493     | 06/25/76       | 70              | 7254                               | 3552S | 14323E       | 16.5         | 43.6                  | GGGG      |                     |                      | 100                     | 85                     |
| 2520-23252        | 00000/0000                                     | 2-20027/0494     | 06/25/76       | 30              | 7254                               | 3717S | 14256E       | 15.2         | 43.6                  | GGGG      |                     |                      | 100                     | 86                     |
| 2521-01063        | 00000/0000                                     | 2-20027/0495     | 06/26/76       | 10              | 7255                               | 3009S | 11915E       | 21.3         | 44.0                  | GGGG      |                     |                      | 118                     | 81                     |
| 2521-01072        | 00000/0000                                     | 2-20027/0496     | 06/26/76       | 10              | 7255                               | 3300S | 11825E       | 18.9         | 43.7                  | GGGG      |                     |                      | 118                     | 83                     |
| 2521-01074        | 00000/0000                                     | 2-20027/0497     | 06/26/76       | 50              | 7255                               | 3426S | 11800E       | 17.7         | 43.6                  | GGGG      |                     |                      | 118                     | 84                     |
| 2521-02260        | 00000/0000                                     | 2-20027/0498     | 06/26/76       | 100             | 7256                               | 5128N | 11559E       | 54.6         | 131.8                 | GGFG      |                     |                      | 136                     | 24                     |
| 2521-02262        | 00000/0000                                     | 2-20027/0499     | 06/26/76       | 90              | 7256                               | 5004N | 11519E       | 55.2         | 129.5                 | GGFG      |                     |                      | 136                     | 25                     |
| 2521-02285        | 00000/0000                                     | 2-20027/0500     | 06/26/76       | 10              | 7256                               | 4136N | 11155E       | 58.1         | 115.0                 | GGGG      |                     |                      | 136                     | 31                     |
| 2521-02292        | 00000/0000                                     | 2-20027/0501     | 06/26/76       | 0               | 7256                               | 4011N | 11125E       | 58.4         | 112.4                 | GGGG      |                     |                      | 136                     | 32                     |
| 2521-02294        | 00000/0000                                     | 2-20027/0502     | 06/26/76       | 0               | 7256                               | 3846N | 11056E       | 58.6         | 109.8                 | GGFG      |                     |                      | 136                     | 33                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2521-02301        | 00000/0000                                     | 2-20027/0503     | 06/26/76       | 10              | 7256                               | 3720N                               | 11028E       | 58.8         | 107.2             | GGFG                    |                     |                      | 136                     | 34                     |
| 2521-02303        | 00000/0000                                     | 2-20027/0504     | 06/26/76       | 70              | 7256                               | 3544N                               | 11000E       | 58.9         | 104.6             | GGGG                    |                     |                      | 136                     | 35                     |
| 2521-02310        | 00000/0000                                     | 2-20027/0505     | 06/26/76       | 90              | 7256                               | 3428N                               | 10933E       | 59.0         | 102.0             | GGGG                    |                     |                      | 136                     | 36                     |
| 2521-04073        | 00000/0000                                     | 2-20028/0068     | 06/26/76       | 40              | 7257                               | 5702N                               | 09312E       | 51.6         | 140.6             | GGGG                    |                     |                      | 154                     | 20                     |
| 2521-04080        | 00000/0000                                     | 2-20028/0069     | 06/26/76       | 40              | 7257                               | 5539N                               | 09222E       | 52.4         | 138.4             | GGGG                    |                     |                      | 154                     | 21                     |
| 2521-04082        | 00000/0000                                     | 2-20028/0070     | 06/26/76       | 30              | 7257                               | 5416N                               | 09135E       | 53.2         | 136.3             | GGGG                    |                     |                      | 154                     | 22                     |
| 2521-04085        | 00000/0000                                     | 2-20028/0071     | 06/26/76       | 20              | 7257                               | 5252N                               | 09050E       | 53.9         | 134.0             | GGGG                    |                     |                      | 154                     | 23                     |
| 2521-04091        | 00000/0000                                     | 2-20028/0072     | 06/26/76       | 30              | 7257                               | 5128N                               | 09008E       | 54.6         | 131.8             | GGGG                    |                     |                      | 154                     | 24                     |
| 2521-04094        | 00000/0000                                     | 2-20028/0073     | 06/26/76       | 50              | 7257                               | 5073N                               | 08928E       | 55.2         | 129.5             | GGGG                    |                     |                      | 154                     | 25                     |
| 2521-04112        | 00000/0000                                     | 2-20028/0074     | 06/26/76       | 10              | 7257                               | 4425N                               | 08706E       | 57.3         | 120.0             | GGGG                    |                     |                      | 154                     | 29                     |
| 2521-04114        | 00000/0000                                     | 2-20028/0075     | 06/26/76       | 10              | 7257                               | 4259N                               | 08634E       | 57.7         | 117.5             | GGGG                    |                     |                      | 154                     | 30                     |
| 2521-05500        | 00000/0000                                     | 2-20028/0132     | 06/26/76       | 50              | 7258                               | 5952N                               | 06919E       | 49.9         | 145.0             | G G                     |                     |                      | 172                     | 18                     |
| 2521-05502        | 00000/0000                                     | 2-20028/0133     | 06/26/76       | 40              | 7258                               | 5830N                               | 06821E       | 50.7         | 142.8             | GGGG                    |                     |                      | 172                     | 19                     |
| 2521-05505        | 00000/0000                                     | 2-20028/0134     | 06/26/76       | 20              | 7258                               | 5707N                               | 06727E       | 51.6         | 140.7             | GGGG                    |                     |                      | 172                     | 20                     |
| 2521-05511        | 00000/0000                                     | 2-20028/0135     | 06/26/76       | 60              | 7258                               | 5542N                               | 06637E       | 52.4         | 138.5             | GGGG                    |                     |                      | 172                     | 21                     |
| 2521-05514        | 00000/0000                                     | 2-20028/0136     | 06/26/76       | 90              | 7258                               | 5419N                               | 06550E       | 53.1         | 136.3             | GGGG                    |                     |                      | 172                     | 22                     |
| 2521-05520        | 00000/0000                                     | 2-20028/0137     | 06/26/76       | 100             | 7258                               | 5255N                               | 06505E       | 53.8         | 134.1             | GGGG                    |                     |                      | 172                     | 23                     |
| 2521-05523        | 00000/0000                                     | 2-20028/0138     | 06/26/76       | 90              | 7258                               | 5131N                               | 06423E       | 54.5         | 131.9             | GGGG                    |                     |                      | 172                     | 24                     |
| 2521-07323        | 00000/0000                                     | 2-20028/0189     | 06/26/76       | 40              | 7259                               | 6235N                               | 04537E       | 48.1         | 149.3             | GGGG                    |                     |                      | 190                     | 16                     |
| 2521-07325        | 00000/0000                                     | 2-20028/0190     | 06/26/76       | 30              | 7259                               | 6113N                               | 04430E       | 49.0         | 147.1             | GGGG                    |                     |                      | 190                     | 17                     |
| 2521-07332        | 00000/0000                                     | 2-20028/0191     | 06/26/76       | 70              | 7259                               | 5951N                               | 04329E       | 49.9         | 145.0             | GFFG                    |                     |                      | 190                     | 18                     |
| 2521-07334        | 00000/0000                                     | 2-20028/0192     | 06/26/76       | 80              | 7259                               | 5829N                               | 04232E       | 50.7         | 142.8             | GGGG                    |                     |                      | 190                     | 19                     |
| 2521-07341        | 00000/0000                                     | 2-20028/0193     | 06/26/76       | 70              | 7259                               | 5706N                               | 04139E       | 51.6         | 140.7             | GFFG                    |                     |                      | 190                     | 20                     |
| 2521-07343        | 00000/0000                                     | 2-20028/0194     | 06/26/76       | 40              | 7259                               | 5543N                               | 04048E       | 52.4         | 138.5             | GGGG                    |                     |                      | 190                     | 21                     |
| 2521-07350        | 00000/0000                                     | 2-20028/0195     | 06/26/76       | 10              | 7259                               | 5418N                               | 04000E       | 53.1         | 136.3             | GGGG                    |                     |                      | 190                     | 22                     |
| 2521-07352        | 00000/0000                                     | 2-20028/0196     | 06/26/76       | 10              | 7259                               | 5254N                               | 03915E       | 53.8         | 134.1             | GGGG                    |                     |                      | 190                     | 23                     |
| 2521-07355        | 00000/0000                                     | 2-20028/0197     | 06/26/76       | 10              | 7259                               | 5130N                               | 03833E       | 54.5         | 131.9             | GGGG                    |                     |                      | 190                     | 24                     |
| 2521-07361        | 00000/0000                                     | 2-20028/0198     | 06/26/76       | 50              | 7259                               | 5006N                               | 03753E       | 55.2         | 129.6             | GGFG                    |                     |                      | 190                     | 25                     |
| 2521-07364        | 00000/0000                                     | 2-20028/0199     | 06/26/76       | 50              | 7259                               | 4842N                               | 03715E       | 55.8         | 127.3             | GGGG                    |                     |                      | 190                     | 26                     |
| 2521-07370        | 00000/0000                                     | 2-20028/0200     | 06/26/76       | 70              | 7259                               | 4718N                               | 03639E       | 56.3         | 124.9             | GFFG                    |                     |                      | 190                     | 27                     |
| 2521-07373        | 00000/0000                                     | 2-20028/0201     | 06/26/76       | 20              | 7259                               | 4553N                               | 03604E       | 56.8         | 122.5             | GFFG                    |                     |                      | 190                     | 28                     |
| 2521-07375        | 00000/0000                                     | 2-20028/0202     | 06/26/76       | 10              | 7259                               | 4427N                               | 03530E       | 57.3         | 120.0             | GFFG                    |                     |                      | 190                     | 29                     |
| 2521-13094        | 00000/0000                                     | 2-20028/0203     | 06/26/76       | 10              | 7262                               | 3134S                               | 06152W       | 20.1         | 43.9              | FFFF                    |                     |                      | 244                     | 82                     |
| 2521-13103        | 00000/0000                                     | 2-20028/0204     | 06/26/76       | 0               | 7262                               | 3425S                               | 06243W       | 17.7         | 43.7              | GFFG                    |                     |                      | 244                     | 84                     |
| 2521-13110        | 00000/0000                                     | 2-20028/0205     | 06/26/76       | 0               | 7262                               | 3505S                               | 06309W       | 16.5         | 43.6              | GGGG                    |                     |                      | 244                     | 85                     |
| 2521-13112        | 00000/0000                                     | 2-20028/0206     | 06/26/76       | 0               | 7262                               | 3716S                               | 06337W       | 15.3         | 43.6              | FFFF                    |                     |                      | 244                     | 86                     |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-05  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | QUAL<br>MSS DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|--------------------------|----------------------|-------------------------|------------------------|
| 2521-13115        | 00000/0000                   | 2-20028/0207                | 06/26/76         | 0              | 7262            | 3841S                              | 06404W                              | 14.0         | 43.6         | FFFF                  |                          |                      | 244                     | 87                     |
| 2521-14291        | 00000/0000                   | 2-20027/0449                | 06/26/76         | 50             | 7263            | 5004N                              | 06523W                              | 55.2         | 129.5        | FGGG                  |                          |                      | 11                      | 25                     |
| 2521-14294        | 00000/0000                   | 2-20027/0450                | 06/26/76         | 50             | 7263            | 4839N                              | 06601W                              | 55.8         | 127.2        | GGGG                  |                          |                      | 11                      | 26                     |
| 2521-14323        | 00000/0000                   | 2-20027/0451                | 06/26/76         | 40             | 7263            | 3844N                              | 06947W                              | 58.6         | 109.9        | GGGG                  |                          |                      | 11                      | 33                     |
| 2521-14330        | 00000/0000                   | 2-20027/0452                | 06/26/76         | 50             | 7263            | 3718N                              | 07015W                              | 58.8         | 107.3        | GGGG                  |                          |                      | 11                      | 34                     |
| 2521-14332        | 00000/0000                   | 2-20027/0453                | 06/26/76         | 30             | 7263            | 3543N                              | 07042W                              | 58.9         | 104.7        | GGGG                  |                          |                      | 11                      | 35                     |
| 2521-14335        | 00000/0000                   | 2-20027/0454                | 06/26/76         | 10             | 7263            | 3428N                              | 07108W                              | 59.0         | 102.0        | GGGG                  |                          |                      | 11                      | 36                     |
| 2521-16041        | 00000/0000                   | 2-20028/0208                | 06/26/76         | 90             | 7264            | 7630N                              | 05909W                              | 36.8         | 181.8        | GGGG                  |                          |                      | 29                      | 5                      |
| 2521-16200        | 00000/0000                   | 2-20027/0448                | 06/26/76         | 40             | 7264            | 2428N                              | 09947W                              | 57.7         | 84.5         | GGGG                  |                          |                      | 29                      | 43                     |
| 2521-17450        | 2-20029/0220                 | 00000/0000                  | 06/26/76         | 80             | 7265            | 8056N                              | 04522W                              | 30.1         | 223.4        | PPF                   |                          |                      | 36                      | 246                    |
| 2521-17452        | 2-20029/0221                 | 00000/0000                  | 06/26/76         | 80             | 7265            | 8035N                              | 05410W                              | 31.3         | 214.3        | GG                    |                          |                      | 30                      | 248                    |
| 2521-17455        | 2-20029/0222                 | 00000/0000                  | 06/26/76         | 40             | 7265            | 8002N                              | 06206W                              | 32.4         | 206.0        | GGG                   |                          |                      | 48                      | 1                      |
| 2521-17461        | 2-20029/0223                 | 00000/0000                  | 06/26/76         | 60             | 7265            | 7919N                              | 06910W                              | 33.6         | 198.6        | PPF                   |                          |                      | 48                      | 2                      |
| 2521-17464        | 2-20029/0224                 | 00000/0000                  | 06/26/76         | 80             | 7265            | 7827N                              | 07520W                              | 34.7         | 192.1        | PP                    |                          |                      | 48                      | 3                      |
| 2521-17470        | 2-20029/0225                 | 00000/0000                  | 06/26/76         | 100            | 7265            | 7720N                              | 08036W                              | 35.8         | 186.4        | F F                   |                          |                      | 48                      | 4                      |
| 2521-17550        | 00000/0000                   | 2-20028/0130                | 06/26/76         | 90             | 7265            | 5254N                              | 11537W                              | 53.8         | 134.1        | FGFF                  |                          |                      | 47                      | 23                     |
| 2521-17552        | 00000/0000                   | 2-20028/0131                | 06/26/76         | 90             | 7265            | 5129N                              | 11619W                              | 54.5         | 131.8        | GGGG                  |                          |                      | 47                      | 24                     |
| 2521-19281        | 2-20029/0226                 | 00000/0000                  | 06/26/76         | 100            | 7266            | 8057N                              | 07058W                              | 30.1         | 223.4        | PPF                   |                          |                      | 54                      | 246                    |
| 2521-19284        | 2-20029/0227                 | 00000/0000                  | 06/26/76         | 90             | 7266            | 8036N                              | 07947W                              | 31.3         | 214.3        | GGF                   |                          |                      | 48                      | 248                    |
| 2521-21122        | 00000/0000                   | 2-20028/0217                | 06/26/76         | 50             | 7267            | 8005N                              | 11307W                              | 32.3         | 206.6        | GGGG                  |                          |                      | 83                      | 1                      |
| 2521-21124        | 00000/0000                   | 2-20028/0218                | 06/26/76         | 40             | 7267            | 7923N                              | 12018W                              | 33.5         | 199.1        | GGGG                  |                          |                      | 83                      | 2                      |
| 2521-21131        | 00000/0000                   | 2-20028/0219                | 06/26/76         | 60             | 7267            | 7832N                              | 12632W                              | 34.6         | 192.5        | GGGG                  |                          |                      | 83                      | 3                      |
| 2521-21133        | 00000/0000                   | 2-20028/0220                | 06/26/76         | 90             | 7267            | 7735N                              | 13155W                              | 35.7         | 186.8        | GGGG                  |                          |                      | 83                      | 4                      |
| 2521-21140        | 00000/0000                   | 2-20028/0221                | 06/26/76         | 90             | 7267            | 7632N                              | 13629W                              | 36.8         | 181.8        | FGGG                  |                          |                      | 83                      | 5                      |
| 2521-21142        | 00000/0000                   | 2-20028/0222                | 06/26/76         | 90             | 7267            | 7525N                              | 14023W                              | 37.9         | 177.3        | GF GG                 |                          |                      | 83                      | 6                      |
| 2521-21145        | 00000/0000                   | 2-20028/0223                | 06/26/76         | 100            | 7267            | 7416N                              | 14345W                              | 39.0         | 173.4        | GFFG                  |                          |                      | 83                      | 7                      |
| 2521-21151        | 00000/0000                   | 2-20028/0224                | 06/26/76         | 100            | 7267            | 7303N                              | 14641W                              | 40.1         | 169.9        | FGGG                  |                          |                      | 83                      | 8                      |
| 2521-21154        | 00000/0000                   | 2-20028/0225                | 06/26/76         | 90             | 7267            | 7149N                              | 14915W                              | 41.2         | 166.7        | GGGG                  |                          |                      | 83                      | 9                      |
| 2521-23301        | 00000/0000                   | 2-20028/0209                | 06/26/76         | 20             | 7268            | 3424S                              | 14224E                              | 17.7         | 43.7         | GGGG                  |                          |                      | 101                     | 84                     |
| 2521-23303        | 00000/0000                   | 2-20028/0210                | 06/26/76         | 70             | 7268            | 3550S                              | 14157E                              | 16.5         | 43.7         | GGFG                  |                          |                      | 101                     | 85                     |
| 2521-23310        | 00000/0000                   | 2-20028/0226                | 06/26/76         | 70             | 7268            | 3715S                              | 14131E                              | 15.3         | 43.6         | GGGG                  |                          |                      | 101                     | 86                     |
| 2522-00482        | 00000/0000                   | 2-20028/0227                | 06/27/76         | 80             | 7269            | 5131N                              | 14022E                              | 54.5         | 131.8        | FFFG                  |                          |                      | 119                     | 24                     |
| 2522-01121        | 00000/0000                   | 2-20028/0186                | 06/27/76         | 10             | 7269            | 3008S                              | 11750E                              | 21.4         | 44.0         | GGGG                  |                          |                      | 119                     | 81                     |
| 2522-01123        | 00000/0000                   | 2-20028/0187                | 06/27/76         | 50             | 7269            | 3133S                              | 11725E                              | 20.1         | 43.9         | GGGG                  |                          |                      | 119                     | 82                     |
| 2522-01130        | 00000/0000                   | 2-20028/0188                | 06/27/76         | 30             | 7269            | 3259S                              | 11700E                              | 18.9         | 43.8         | GGGG                  |                          |                      | 119                     | 83                     |
| 2522-05554        | 00000/0000                   | 2-20028/0173                | 06/27/76         | 30             | 7272            | 5951N                              | 06748E                              | 49.8         | 144.9        | G                     |                          |                      | 173                     | 18                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | FILM<br>POSITION<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-------------------------|------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2522-05561        | 00000/0000              | 2-2002R/0174     | 06/27/76         | 50             | 7272            | 5828N                        | 06651E        | 50.7         | 142.8        | GFGG              |                     |                      | 173                     | 19                     |
| 2522-05563        | 00000/0000              | 2-2002R/0175     | 06/27/76         | 40             | 7272            | 5705N                        | 06557E        | 51.5         | 140.6        | FGGG              |                     |                      | 173                     | 20                     |
| 2522-05570        | 00000/0000              | 2-2002R/0176     | 06/27/76         | 40             | 7272            | 5541N                        | 06507E        | 52.3         | 138.4        | GGGG              |                     |                      | 173                     | 21                     |
| 2522-05572        | 00000/0000              | 2-2002R/0177     | 06/27/76         | 30             | 7272            | 5417N                        | 06420E        | 53.1         | 136.3        | GFGG              |                     |                      | 173                     | 22                     |
| 2522-05575        | 00000/0000              | 2-2002R/0178     | 06/27/76         | 20             | 7272            | 5253N                        | 06335E        | 53.8         | 134.0        | GGGF              |                     |                      | 173                     | 23                     |
| 2522-05581        | 00000/0000              | 2-2002R/0179     | 06/27/76         | 20             | 7272            | 5129N                        | 06254E        | 54.5         | 131.8        | GGGG              |                     |                      | 173                     | 24                     |
| 2522-05584        | 00000/0000              | 2-2002R/0180     | 06/27/76         | 10             | 7272            | 5005N                        | 06214E        | 55.1         | 129.5        | GGGG              |                     |                      | 173                     | 25                     |
| 2522-05590        | 00000/0000              | 2-2002R/0181     | 06/27/76         | 10             | 7272            | 4840N                        | 06136E        | 55.7         | 127.2        | GGGG              |                     |                      | 173                     | 26                     |
| 2522-06004        | 00000/0000              | 2-2002R/0182     | 06/27/76         | 10             | 7272            | 4301N                        | 05919E        | 57.7         | 117.5        | GGFF              |                     |                      | 173                     | 30                     |
| 2522-06022        | 00000/0000              | 2-2002R/0183     | 06/27/76         | 10             | 7272            | 3721N                        | 05721E        | 58.7         | 107.3        | GGGG              |                     |                      | 173                     | 34                     |
| 2522-06025        | 00000/0000              | 2-2002R/0184     | 06/27/76         | 10             | 7272            | 3545N                        | 05654E        | 58.9         | 104.7        | GFFG              |                     |                      | 173                     | 35                     |
| 2522-06031        | 00000/0000              | 2-2002R/0185     | 06/27/76         | 0              | 7272            | 3429N                        | 05628E        | 58.9         | 102.1        | GGGG              |                     |                      | 173                     | 36                     |
| 2522-06125        | 00000/0000              | 2-2002R/0139     | 06/27/76         | 30             | 7271            | 5828N                        | 09240E        | 50.7         | 142.8        | GGG               |                     |                      | 155                     | 19                     |
| 2522-06132        | 00000/0000              | 2-2002R/0140     | 06/27/76         | 10             | 7271            | 5705N                        | 09147E        | 51.5         | 140.6        | GGGG              |                     |                      | 155                     | 20                     |
| 2522-06134        | 00000/0000              | 2-2002R/0141     | 06/27/76         | 20             | 7271            | 5542N                        | 09057E        | 52.3         | 138.4        | GGGG              |                     |                      | 155                     | 21                     |
| 2522-06141        | 00000/0000              | 2-2002R/0142     | 06/27/76         | 20             | 7271            | 5419N                        | 09010E        | 53.1         | 136.3        | GGGG              |                     |                      | 155                     | 22                     |
| 2522-06143        | 00000/0000              | 2-2002R/0143     | 06/27/76         | 10             | 7271            | 5254N                        | 08925E        | 53.8         | 134.1        | GGGG              |                     |                      | 155                     | 23                     |
| 2522-06164        | 00000/0000              | 2-2002R/0152     | 06/27/76         | 10             | 7271            | 4551N                        | 08614E        | 56.8         | 122.4        | GGGG              |                     |                      | 155                     | 28                     |
| 2522-06170        | 00000/0000              | 2-2002R/0153     | 06/27/76         | 20             | 7271            | 4427N                        | 08541E        | 57.3         | 120.0        | GFGG              |                     |                      | 155                     | 29                     |
| 2522-07381        | 00000/0000              | 2-2002R/0154     | 06/27/76         | 40             | 7273            | 6214N                        | 04411E        | 48.1         | 149.2        | GGGG              |                     |                      | 191                     | 16                     |
| 2522-07383        | 00000/0000              | 2-2002R/0155     | 06/27/76         | 40             | 7273            | 6112N                        | 04304E        | 49.0         | 147.0        | GGGG              |                     |                      | 191                     | 17                     |
| 2522-07390        | 00000/0000              | 2-2002R/0156     | 06/27/76         | 40             | 7273            | 5950N                        | 04203E        | 49.8         | 144.9        | GGGG              |                     |                      | 191                     | 18                     |
| 2522-07392        | 00000/0000              | 2-2002R/0157     | 06/27/76         | 50             | 7273            | 5828N                        | 04106E        | 50.7         | 142.7        | GGGG              |                     |                      | 191                     | 19                     |
| 2522-07395        | 00000/0000              | 2-2002R/0158     | 06/27/76         | 60             | 7273            | 5704N                        | 04012E        | 51.5         | 140.6        | GGGG              |                     |                      | 191                     | 20                     |
| 2522-07401        | 00000/0000              | 2-2002R/0159     | 06/27/76         | 60             | 7273            | 5541N                        | 03921E        | 52.3         | 138.4        | GGGG              |                     |                      | 191                     | 21                     |
| 2522-07404        | 00000/0000              | 2-2002R/0160     | 06/27/76         | 30             | 7273            | 5417N                        | 03834E        | 53.1         | 136.2        | GGGG              |                     |                      | 191                     | 22                     |
| 2522-07410        | 00000/0000              | 2-2002R/0161     | 06/27/76         | 30             | 7273            | 5253N                        | 03749E        | 53.8         | 134.0        | GGGG              |                     |                      | 191                     | 23                     |
| 2522-07413        | 00000/0000              | 2-2002R/0162     | 06/27/76         | 20             | 7273            | 5129N                        | 03707E        | 54.5         | 131.8        | GGGG              |                     |                      | 191                     | 24                     |
| 2522-07415        | 00000/0000              | 2-2002R/0163     | 06/27/76         | 10             | 7273            | 5005N                        | 03627E        | 55.1         | 129.5        | GGGG              |                     |                      | 191                     | 25                     |
| 2522-07422        | 00000/0000              | 2-2002R/0164     | 06/27/76         | 10             | 7273            | 4841N                        | 03548E        | 55.7         | 127.2        | GGGG              |                     |                      | 191                     | 26                     |
| 2522-07424        | 00000/0000              | 2-2002R/0165     | 06/27/76         | 10             | 7273            | 4716N                        | 03512E        | 56.3         | 124.8        | GGGG              |                     |                      | 191                     | 27                     |
| 2522-07431        | 00000/0000              | 2-2002R/0166     | 06/27/76         | 10             | 7273            | 4551N                        | 03437E        | 56.8         | 122.4        | GGGG              |                     |                      | 191                     | 28                     |
| 2522-07433        | 00000/0000              | 2-2002R/0167     | 06/27/76         | 10             | 7273            | 4426N                        | 03404E        | 57.2         | 120.0        | GGGG              |                     |                      | 191                     | 29                     |
| 2522-09353        | 00000/0000              | 2-2002R/0168     | 06/27/76         | 100            | 7274            | 1424N                        | 00028W        | 53.7         | 70.1         | GGGG              |                     |                      | 209                     | 50                     |
| 2522-09360        | 00000/0000              | 2-2002R/1152     | 06/27/76         | 100            | 7274            | 1258N                        | 00049W        | 53.0         | 68.3         | GFF               |                     |                      | 209                     | 51                     |
| 2522-09380        | 00000/0000              | 2-2002R/1153     | 06/27/76         | 90             | 7274            | 0546N                        | 00230W        | 48.9         | 60.7         | GGGG              |                     |                      | 209                     | 56                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2522-13150        | 00000/0000                   | 2-2002A/1154                | 06/27/76         | 10             | 7276            | 3009S                        | 06254W        | 21.3         | 44.1         | FFGF                               |                     |                      |                         |                        |
| 2522-13153        | 00000/0000                   | 2-2002A/1155                | 06/27/76         | 0              | 7276            | 3135S                        | 06319W        | 20.1         | 43.9         | FFFF                               |                     |                      | 245                     | 81                     |
| 2522-13155        | 00000/0000                   | 2-2002A/1156                | 06/27/76         | 0              | 7276            | 3300S                        | 06344W        | 18.9         | 43.8         | FFFF                               |                     |                      | 245                     | 82                     |
| 2522-13162        | 00000/0000                   | 2-2002A/1157                | 06/27/76         | 0              | 7276            | 3426S                        | 06410W        | 17.7         | 43.7         | GGGG                               |                     |                      | 245                     | 83                     |
| 2522-13171        | 00000/0000                   | 2-2002A/1158                | 06/27/76         | 0              | 7276            | 3717S                        | 06503W        | 15.2         | 43.7         | FFFF                               |                     |                      | 245                     | 84                     |
| 2522-14343        | 00000/0000                   | 2-2002A/0211                | 06/27/76         | 0              | 7277            | 5126N                        | 06608W        | 54.5         | 131.7        | FFGG                               |                     |                      | 245                     | 86                     |
| 2522-14350        | 00000/0000                   | 2-2002A/0212                | 06/27/76         | 10             | 7277            | 5002N                        | 06648W        | 55.1         | 129.5        | GGGF                               |                     |                      | 12                      | 24                     |
| 2522-14352        | 00000/0000                   | 2-2002A/0213                | 06/27/76         | 30             | 7277            | 4838N                        | 06727W        | 55.7         | 127.1        | GGGG                               |                     |                      | 12                      | 25                     |
| 2522-14393        | 00000/0000                   | 2-2002A/0214                | 06/27/76         | 50             | 7277            | 3428N                        | 07233W        | 58.9         | 102.0        | FFGG                               |                     |                      | 12                      | 26                     |
| 2522-14400        | 00000/0000                   | 2-2002A/0215                | 06/27/76         | 40             | 7277            | 3302N                        | 07258W        | 58.9         | 99.4         | GGGG                               |                     |                      | 12                      | 36                     |
| 2522-14402        | 00000/0000                   | 2-2002A/0216                | 06/27/76         | 30             | 7277            | 3137N                        | 07323W        | 58.8         | 96.9         | GGGF                               |                     |                      | 12                      | 37                     |
| 2522-17504        | 2-20029/0228                 | 00000/0000                  | 06/27/76         | 60             | 7279            | 8057N                        | 04623W        | 30.1         | 223.6        | GGG                                |                     |                      | 12                      | 38                     |
| 2522-17511        | 2-20029/0229                 | 00000/0000                  | 06/27/76         | 90             | 7279            | 8036N                        | 05514W        | 31.2         | 214.5        | GGG                                |                     |                      | 37                      | 246                    |
| 2522-17513        | 2-20029/0230                 | 00000/0000                  | 06/27/76         | 90             | 7279            | 8033N                        | 06313W        | 32.4         | 206.2        | GGG                                |                     |                      | 31                      | 248                    |
| 2522-17520        | 2-20029/0231                 | 00000/0000                  | 06/27/76         | 100            | 7279            | 7920N                        | 07020W        | 33.5         | 198.7        | GGG                                |                     |                      | 49                      | 1                      |
| 2522-17522        | 2-20029/0232                 | 00000/0000                  | 06/27/76         | 90             | 7279            | 7828N                        | 07432W        | 34.6         | 192.2        | GGG                                |                     |                      | 49                      | 2                      |
| 2522-17525        | 2-20029/0233                 | 00000/0000                  | 06/27/76         | 100            | 7279            | 7731N                        | 08150W        | 35.8         | 186.4        | G                                  |                     |                      | 49                      | 3                      |
| 2522-19392        | 00000/0000                   | 2-2002A/0228                | 06/27/76         | 60             | 7280            | 6756N                        | 13056W        | 44.2         | 158.4        | GGG                                |                     |                      | 48                      | 4                      |
| 2522-19395        | 00000/0000                   | 2-2002A/0229                | 06/27/76         | 60             | 7280            | 6636N                        | 13232W        | 45.2         | 155.9        | GGGG                               |                     |                      | 66                      | 12                     |
| 2522-21180        | 00000/0000                   | 2-2002A/0230                | 06/27/76         | 70             | 7281            | 8006N                        | 11422W        | 32.3         | 206.8        | GGGG                               |                     |                      | 66                      | 13                     |
| 2522-21183        | 00000/0000                   | 2-2002A/0231                | 06/27/76         | 70             | 7281            | 7924N                        | 12134W        | 33.4         | 199.2        | GGFG                               |                     |                      | 84                      | 1                      |
| 2522-21185        | 00000/0000                   | 2-2002A/0232                | 06/27/76         | 50             | 7281            | 7833N                        | 12749W        | 34.5         | 192.6        | GGGG                               |                     |                      | 84                      | 2                      |
| 2522-21194        | 00000/0000                   | 2-2002A/0233                | 06/27/76         | 70             | 7281            | 7633N                        | 13748W        | 36.8         | 181.8        | GGGG                               |                     |                      | 84                      | 3                      |
| 2522-21201        | 00000/0000                   | 2-2002A/0234                | 06/27/76         | 80             | 7281            | 7527N                        | 14145W        | 37.9         | 177.4        | GGGG                               |                     |                      | 84                      | 5                      |
| 2522-21210        | 00000/0000                   | 2-2002A/0235                | 06/27/76         | 90             | 7281            | 7305N                        | 14805W        | 40.0         | 169.9        | GGGG                               |                     |                      | 84                      | 6                      |
| 2522-23355        | 00000/0000                   | 2-2002A/1159                | 06/27/76         | 60             | 7282            | 3425S                        | 14057E        | 17.7         | 43.8         | GGGG                               |                     |                      | 84                      | 8                      |
| 2522-23362        | 00000/0000                   | 2-2002A/1160                | 06/27/76         | 40             | 7282            | 3550S                        | 14031E        | 15.5         | 43.7         | GGGG                               |                     |                      | 102                     | 84                     |
| 2522-23364        | 00000/0000                   | 2-2002A/1161                | 06/27/76         | 60             | 7282            | 3716S                        | 14005E        | 15.3         | 43.7         | GGGG                               |                     |                      | 102                     | 85                     |
| 2522-23371        | 00000/0000                   | 2-2002A/1162                | 06/27/76         | 80             | 7282            | 3841S                        | 13937E        | 14.0         | 43.7         | GGGG                               |                     |                      | 102                     | 86                     |
| 2523-17562        | 2-20029/0234                 | 00000/0000                  | 06/28/76         | 80             | 7293            | 8058N                        | 04759W        | 30.0         | 223.6        | GGGG                               |                     |                      | 102                     | 87                     |
| 2523-17565        | 2-20029/0235                 | 00000/0000                  | 06/28/76         | 90             | 7293            | 8036N                        | 05647W        | 31.2         | 214.5        | GGG                                |                     |                      | 38                      | 246                    |
| 2523-17571        | 2-20029/0236                 | 00000/0000                  | 06/28/76         | 40             | 7293            | 8003N                        | 06450W        | 32.3         | 206.1        | GGG                                |                     |                      | 32                      | 248                    |
| 2523-17574        | 2-20029/0237                 | 00000/0000                  | 06/28/76         | 20             | 7293            | 7920N                        | 07159W        | 33.5         | 198.7        | GGG                                |                     |                      | 50                      | 1                      |
| 2523-17580        | 2-20029/0238                 | 00000/0000                  | 06/28/76         | 40             | 7293            | 7829N                        | 07412W        | 34.6         | 192.1        | GGG                                |                     |                      | 50                      | 2                      |
| 2523-17583        | 2-20029/0239                 | 00000/0000                  | 06/28/76         | 70             | 7293            | 7730N                        | 08330W        | 35.7         | 186.4        | GGG                                |                     |                      | 50                      | 3                      |
| 2523-19394        | 2-20029/0240                 | 00000/0000                  | 06/28/76         | 40             | 7294            | 8057N                        | 07341W        | 30.0         | 223.5        | GGG                                |                     |                      | 50                      | 4                      |
|                   |                              |                             |                  |                |                 |                              |               |              |              |                                    |                     |                      | 56                      | 246                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FOR NON-US  
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| OBSERVATION<br>ID | MICROFILM RELI NO./<br>POSITION IN RST<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-----------------------------------------------|--------------|------------------|----------------|-----------------|------------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2523-19400        | 2-20029/0241                                  | 00000/0000   | 06/28/76         | 70             | 7294            | 8036N                              | 08234W        | 31.2         | 214.4        | GGG                                |                     |                      | 50                      | 248                    |
| 2523-00541        | 00000/0000                                    | 2-20028/1163 | 06/28/76         | 90             | 7283            | 5130N                              | 13859E        | 54.4         | 131.8        | GGGG                               |                     |                      | 120                     | 24                     |
| 2523-01061        | 00000/0000                                    | 2-20028/1164 | 06/28/76         | 10             | 7283            | 1006N                              | 12609E        | 51.4         | 65.1         | GGGG                               |                     |                      | 120                     | 53                     |
| 2523-01064        | 00000/0000                                    | 2-20028/1165 | 06/28/76         | 10             | 7283            | 0839N                              | 12548E        | 50.6         | 63.6         | GGGG                               |                     |                      | 120                     | 54                     |
| 2523-01070        | 00000/0000                                    | 2-20028/1166 | 06/28/76         | 20             | 7283            | 0712N                              | 12528E        | 49.7         | 62.2         | GGGG                               |                     |                      | 120                     | 55                     |
| 2523-01173        | 00000/0000                                    | 2-20028/1167 | 06/28/76         | 0              | 7283            | 2843S                              | 11647E        | 22.5         | 44.3         | FGGG                               |                     |                      | 120                     | 80                     |
| 2523-01175        | 00000/0000                                    | 2-20028/1168 | 06/28/76         | 0              | 7283            | 3008S                              | 11623E        | 21.3         | 44.1         | GGGG                               |                     |                      | 120                     | 81                     |
| 2523-01182        | 00000/0000                                    | 2-20028/1169 | 06/28/76         | 0              | 7283            | 3173S                              | 11559E        | 20.1         | 44.0         | GGGG                               |                     |                      | 120                     | 82                     |
| 2523-02370        | 00000/0000                                    | 2-20028/0169 | 06/28/76         | 30             | 7284            | 5253N                              | 11348E        | 53.7         | 134.0        | GGGG                               |                     |                      | 138                     | 23                     |
| 2523-02372        | 00000/0000                                    | 2-20028/0170 | 06/28/76         | 10             | 7284            | 5129N                              | 11306E        | 54.4         | 131.8        | GGGG                               |                     |                      | 138                     | 24                     |
| 2523-02375        | 00000/0000                                    | 2-20028/0171 | 06/28/76         | 70             | 7284            | 5005N                              | 11226E        | 55.1         | 129.5        | GGGG                               |                     |                      | 138                     | 25                     |
| 2523-02381        | 00000/0000                                    | 2-20028/0172 | 06/28/76         | 90             | 7284            | 4840N                              | 11148E        | 55.7         | 127.2        | GGGG                               |                     |                      | 138                     | 26                     |
| 2523-02402        | 00000/0000                                    | 2-20028/0236 | 06/28/76         | 10             | 7284            | 4137N                              | 10903E        | 58.0         | 115.0        | FGGG                               |                     |                      | 138                     | 31                     |
| 2523-02404        | 00000/0000                                    | 2-20028/0237 | 06/28/76         | 10             | 7284            | 4013N                              | 10833E        | 58.2         | 112.4        | GGGG                               |                     |                      | 138                     | 32                     |
| 2523-02411        | 00000/0000                                    | 2-20028/0238 | 06/28/76         | 10             | 7284            | 3848N                              | 10803E        | 58.5         | 109.9        | GGGG                               |                     |                      | 138                     | 33                     |
| 2523-02413        | 00000/0000                                    | 2-20028/0239 | 06/28/76         | 10             | 7284            | 3721N                              | 10734E        | 58.7         | 107.3        | GGGG                               |                     |                      | 138                     | 34                     |
| 2523-02420        | 00000/0000                                    | 2-20028/0240 | 06/28/76         | 30             | 7284            | 3555N                              | 10707E        | 58.8         | 104.7        | GGGG                               |                     |                      | 138                     | 35                     |
| 2523-02422        | 00000/0000                                    | 2-20028/0241 | 06/28/76         | 80             | 7284            | 3429N                              | 10641E        | 58.9         | 102.1        | GGGG                               |                     |                      | 138                     | 36                     |
| 2523-02425        | 00000/0000                                    | 2-20028/0242 | 06/28/76         | 100            | 7284            | 3303N                              | 10615E        | 58.8         | 99.5         | GGGG                               |                     |                      | 138                     | 37                     |
| 2523-02495        | 00000/0000                                    | 2-20028/0243 | 06/28/76         | 50             | 7284            | 0840N                              | 10000E        | 50.6         | 63.6         | GGGG                               |                     |                      | 138                     | 54                     |
| 2523-02502        | 00000/0000                                    | 2-20028/0244 | 06/28/76         | 70             | 7284            | 0713N                              | 09940E        | 49.7         | 62.2         | GGGG                               |                     |                      | 138                     | 55                     |
| 2523-02504        | 00000/0000                                    | 2-20028/0245 | 06/28/76         | 60             | 7284            | 0546N                              | 09919E        | 48.8         | 60.8         | GGGG                               |                     |                      | 138                     | 56                     |
| 2523-02511        | 00000/0000                                    | 2-20028/0246 | 06/28/76         | 60             | 7284            | 0419N                              | 09859E        | 47.9         | 59.5         | GGGG                               |                     |                      | 138                     | 57                     |
| 2523-02513        | 00000/0000                                    | 2-20028/0247 | 06/28/76         | 70             | 7284            | 0252N                              | 09838E        | 47.0         | 58.3         | GGGG                               |                     |                      | 138                     | 58                     |
| 2523-02520        | 00000/0000                                    | 2-20028/0248 | 06/28/76         | 70             | 7284            | 0125N                              | 09818E        | 46.0         | 57.1         | GGGG                               |                     |                      | 138                     | 59                     |
| 2523-02522        | 00000/0000                                    | 2-20028/0249 | 06/28/76         | 80             | 7284            | 0000V                              | 09758E        | 45.0         | 56.0         | GGGG                               |                     |                      | 138                     | 60                     |
| 2523-02525        | 00000/0000                                    | 2-20028/0250 | 06/28/76         | 80             | 7284            | 0126S                              | 09739E        | 44.0         | 55.0         | GGGG                               |                     |                      | 138                     | 61                     |
| 2523-02531        | 00000/0000                                    | 2-20028/0251 | 06/28/76         | 50             | 7284            | 0251S                              | 09719E        | 43.0         | 54.0         | GGGG                               |                     |                      | 138                     | 62                     |
| 2523-02534        | 00000/0000                                    | 2-20028/0252 | 06/28/76         | 50             | 7284            | 0417S                              | 09659E        | 42.0         | 53.1         | GGGG                               |                     |                      | 138                     | 63                     |
| 2523-02540        | 00000/0000                                    | 2-20028/0253 | 06/28/76         | 70             | 7284            | 0544S                              | 09639E        | 40.9         | 52.2         | GGGG                               |                     |                      | 138                     | 64                     |
| 2523-04183        | 00000/0000                                    | 2-20028/0144 | 06/28/76         | 0              | 7285            | 5828N                              | 09116E        | 50.7         | 142.7        | GGGG                               |                     |                      | 156                     | 19                     |
| 2523-04190        | 00000/0000                                    | 2-20028/0145 | 06/28/76         | 0              | 7285            | 5705N                              | 09022E        | 51.5         | 140.5        | GGGG                               |                     |                      | 156                     | 20                     |
| 2523-04192        | 00000/0000                                    | 2-20028/0146 | 06/28/76         | 10             | 7285            | 5541N                              | 08932E        | 52.3         | 138.4        | GGGG                               |                     |                      | 156                     | 21                     |
| 2523-04195        | 00000/0000                                    | 2-20028/0147 | 06/28/76         | 20             | 7285            | 5417N                              | 08845E        | 53.0         | 136.2        | GGGG                               |                     |                      | 156                     | 22                     |
| 2523-04201        | 00000/0000                                    | 2-20028/0148 | 06/28/76         | 10             | 7285            | 5254N                              | 08800E        | 53.7         | 134.0        | GGGG                               |                     |                      | 156                     | 23                     |
| 2523-04215        | 00000/0000                                    | 2-20028/0149 | 06/28/76         | 20             | 7285            | 4715N                              | 08524E        | 56.2         | 124.8        | GGGG                               |                     |                      | 156                     | 27                     |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 29, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2523-04222        | 00000/0000                   | 2-2002R/0150                | 06/28/76         | 30             | 7285            | 4551N                                   | 08449E       | 56.7         | 122.4                              | GGGG                |                      | 156                     | 28                     |
| 2523-04224        | 00000/0000                   | 2-2002R/0151                | 06/28/76         | 40             | 7285            | 4426N                                   | 08416E       | 57.2         | 120.0                              | GGGG                |                      | 156                     | 29                     |
| 2523-06015        | 00000/0000                   | 2-2002R/0269                | 06/28/76         | 40             | 7286            | 5827N                                   | 06525E       | 50.7         | 142.7                              | G                   |                      | 174                     | 19                     |
| 2523-06022        | 00000/0000                   | 2-2002R/0270                | 06/28/76         | 30             | 7286            | 5704N                                   | 06432E       | 51.5         | 140.5                              | GGGG                |                      | 174                     | 20                     |
| 2523-06024        | 00000/0000                   | 2-2002R/0271                | 06/28/76         | 70             | 7286            | 5540N                                   | 06342E       | 52.3         | 138.4                              | GGGG                |                      | 174                     | 21                     |
| 2523-06031        | 00000/0000                   | 2-2002R/0272                | 06/28/76         | 80             | 7286            | 5416N                                   | 06255E       | 53.0         | 136.2                              | GGGG                |                      | 174                     | 22                     |
| 2523-06033        | 00000/0000                   | 2-2002R/0312                | 06/28/76         | 80             | 7286            | 5253N                                   | 06210E       | 53.7         | 134.0                              | GGGG                |                      | 174                     | 23                     |
| 2523-06040        | 00000/0000                   | 2-2002R/0313                | 06/28/76         | 50             | 7286            | 5129N                                   | 06128E       | 54.4         | 131.7                              | GGGG                |                      | 174                     | 24                     |
| 2523-06042        | 00000/0000                   | 2-2002R/0314                | 06/28/76         | 50             | 7286            | 5004N                                   | 06049E       | 55.1         | 129.5                              | GGGG                |                      | 174                     | 25                     |
| 2523-06045        | 00000/0000                   | 2-2002R/0315                | 06/28/76         | 50             | 7286            | 4840N                                   | 06011E       | 55.7         | 127.1                              | GGGG                |                      | 174                     | 26                     |
| 2523-06092        | 00000/0000                   | 2-2002R/0316                | 06/28/76         | 0              | 7286            | 3302N                                   | 05437E       | 58.8         | 99.5                               | GGGG                |                      | 174                     | 37                     |
| 2523-06095        | 00000/0000                   | 2-2002R/0317                | 06/28/76         | 0              | 7286            | 3176N                                   | 05411E       | 58.8         | 96.9                               | GGGG                |                      | 174                     | 38                     |
| 2523-06101        | 00000/0000                   | 2-2002R/0318                | 06/28/76         | 0              | 7286            | 3011N                                   | 05347E       | 58.7         | 94.4                               | GGGG                |                      | 174                     | 39                     |
| 2523-06104        | 00000/0000                   | 2-2002R/0319                | 06/28/76         | 0              | 7286            | 2846N                                   | 05323E       | 58.5         | 91.9                               | GGGG                |                      | 174                     | 40                     |
| 2523-07442        | 00000/0000                   | 2-2002R/0320                | 06/28/76         | 90             | 7287            | 6112N                                   | 04134E       | 48.9         | 147.0                              | GGGG                |                      | 192                     | 17                     |
| 2523-07444        | 00000/0000                   | 2-2002R/0321                | 06/28/76         | 90             | 7287            | 5949N                                   | 04032E       | 49.8         | 144.8                              | GGGG                |                      | 192                     | 18                     |
| 2523-07451        | 00000/0000                   | 2-2002R/0322                | 06/28/76         | 90             | 7287            | 5827N                                   | 03935E       | 50.7         | 142.7                              | GGGG                |                      | 192                     | 19                     |
| 2523-07453        | 00000/0000                   | 2-2002R/0323                | 06/28/76         | 60             | 7287            | 5704N                                   | 03841E       | 51.5         | 140.5                              | GGGG                |                      | 192                     | 20                     |
| 2523-07460        | 00000/0000                   | 2-2002R/0324                | 06/28/76         | 40             | 7287            | 5540N                                   | 03752E       | 52.3         | 138.4                              | GGGG                |                      | 192                     | 21                     |
| 2523-07462        | 00000/0000                   | 2-2002R/0325                | 06/28/76         | 40             | 7287            | 5417N                                   | 03705E       | 53.0         | 136.2                              | GGGG                |                      | 192                     | 22                     |
| 2523-07465        | 00000/0000                   | 2-2002R/0326                | 06/28/76         | 40             | 7287            | 5243N                                   | 03620E       | 53.7         | 134.0                              | GGGG                |                      | 192                     | 23                     |
| 2523-07471        | 00000/0000                   | 2-2002R/0327                | 06/28/76         | 10             | 7287            | 5129N                                   | 03538E       | 54.4         | 131.7                              | GGGG                |                      | 192                     | 24                     |
| 2523-07474        | 00000/0000                   | 2-2002R/0328                | 06/28/76         | 10             | 7287            | 5004N                                   | 03458E       | 55.1         | 129.4                              | GGGG                |                      | 192                     | 25                     |
| 2523-07480        | 00000/0000                   | 2-2002R/0329                | 06/28/76         | 10             | 7287            | 4849N                                   | 03420E       | 55.7         | 127.1                              | GGGG                |                      | 192                     | 26                     |
| 2523-07493        | 00000/0000                   | 2-2002R/0330                | 06/28/76         | 20             | 7287            | 4715N                                   | 03344E       | 56.2         | 124.8                              | GGGG                |                      | 192                     | 27                     |
| 2523-07485        | 00000/0000                   | 2-2002R/0331                | 06/28/76         | 10             | 7287            | 4550N                                   | 03309E       | 56.7         | 122.4                              | GGGG                |                      | 192                     | 28                     |
| 2523-08015        | 00000/0000                   | 2-2002R/0332                | 06/28/76         | 30             | 7287            | 0127N                                   | 02052E       | 46.0         | 57.1                               | GGGG                |                      | 192                     | 59                     |
| 2523-08021        | 00000/0000                   | 2-2002R/0333                | 06/28/76         | 40             | 7287            | 0000N                                   | 02032E       | 45.0         | 56.0                               | GGGG                |                      | 192                     | 60                     |
| 2523-08024        | 00000/0000                   | 2-2002R/0334                | 06/28/76         | 10             | 7287            | 0125S                                   | 02012E       | 44.0         | 55.0                               | GGGG                |                      | 192                     | 61                     |
| 2523-08030        | 00000/0000                   | 2-2002R/0335                | 06/28/76         | 10             | 7287            | 0252S                                   | 01952E       | 43.0         | 54.0                               | GGGG                |                      | 192                     | 62                     |
| 2523-13211        | 00000/0000                   | 2-2002R/0354                | 06/28/76         | 0              | 7290            | 3133S                                   | 06443W       | 20.1         | 44.0                               | GGGG                |                      | 246                     | 82                     |
| 2523-13213        | 00000/0000                   | 2-2002R/0355                | 06/28/76         | 0              | 7290            | 3259S                                   | 06508W       | 18.9         | 43.9                               | FFFF                |                      | 246                     | 83                     |
| 2523-13220        | 00000/0000                   | 2-2002R/0356                | 06/28/76         | 0              | 7290            | 3424S                                   | 06534W       | 17.7         | 43.8                               | FFFF                |                      | 246                     | 84                     |
| 2523-14410        | 00000/0000                   | 2-2002R/0308                | 06/28/76         | 90             | 7291            | 4841N                                   | 06852W       | 55.6         | 127.2                              | GGGG                |                      | 13                      | 26                     |
| 2523-14463        | 00000/0000                   | 2-2002R/0309                | 06/28/76         | 20             | 7291            | 3014N                                   | 07513W       | 58.6         | 94.4                               | GGGG                |                      | 13                      | 39                     |
| 2523-14465        | 00000/0000                   | 2-2002R/0310                | 06/28/76         | 20             | 7291            | 2849N                                   | 07538W       | 58.5         | 91.9                               | GGGG                |                      | 13                      | 40                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>45678<br>MODE | MSS<br>DATA<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|----------------------|------------------------------|-------------------------|------------------------|
| 2523-14472        | 00000/0000                                     | 2-2002R/0311     | 06/28/76       | 10              | 7291                               | 2722N                               | 07602W       | 58.2         | 89.5              | GGGG                 |                              | 13                      | 41                     |
| 2523-18051        | 00000/0000                                     | 2-2002R/0347     | 06/28/76       | 40              | 7293                               | 5705N                               | 11610W       | 51.4         | 140.5             | GGGG                 |                              | 49                      | 20                     |
| 2523-18053        | 00000/0000                                     | 2-2002R/0348     | 06/28/76       | 30              | 7293                               | 5542N                               | 11700W       | 52.2         | 138.4             | GGGG                 |                              | 49                      | 21                     |
| 2523-18060        | 00000/0000                                     | 2-2002R/0349     | 06/28/76       | 20              | 7293                               | 5419N                               | 11746W       | 53.0         | 136.2             | GGGG                 |                              | 49                      | 22                     |
| 2523-18062        | 00000/0000                                     | 2-2002R/0350     | 06/28/76       | 10              | 7293                               | 5255N                               | 11830W       | 53.7         | 134.0             | GGGG                 |                              | 49                      | 23                     |
| 2523-18065        | 00000/0000                                     | 2-2002R/0351     | 06/28/76       | 10              | 7293                               | 5131N                               | 11912W       | 54.4         | 131.8             | GGGG                 |                              | 49                      | 24                     |
| 2523-23413        | 00000/0000                                     | 2-2002R/0287     | 06/28/76       | 40              | 7296                               | 3427S                               | 13929E       | 17.7         | 43.8              | GGG                  |                              | 103                     | 84                     |
| 2523-23420        | 00000/0000                                     | 2-2002R/0288     | 06/28/76       | 80              | 7296                               | 3552S                               | 13903E       | 16.5         | 43.8              | GGGG                 |                              | 103                     | 85                     |
| 2524-14371        | 00000/0000                                     | 2-2002R/0382     | 06/29/76       | 90              | 7305                               | 7829N                               | 02746W       | 34.5         | 192.2             | G                    |                              | 15                      | 3                      |
| 2524-01002        | 00000/0000                                     | 2-2002R/0289     | 06/29/76       | 40              | 7297                               | 5006N                               | 13650E       | 55.0         | 129.4             | GGGG                 |                              | 121                     | 25                     |
| 2524-01004        | 00000/0000                                     | 2-2002R/0290     | 06/29/76       | 10              | 7297                               | 4841N                               | 13612E       | 55.6         | 127.1             | GGGG                 |                              | 121                     | 26                     |
| 2524-01011        | 00000/0000                                     | 2-2002R/0291     | 06/29/76       | 10              | 7297                               | 4716N                               | 13536E       | 56.2         | 124.8             | GGGG                 |                              | 121                     | 27                     |
| 2524-01013        | 00000/0000                                     | 2-2002R/0292     | 06/29/76       | 10              | 7297                               | 4551N                               | 13501E       | 56.7         | 122.4             | GGGG                 |                              | 121                     | 28                     |
| 2524-01020        | 00000/0000                                     | 2-2002R/0293     | 06/29/76       | 40              | 7297                               | 4426N                               | 13428E       | 57.1         | 119.9             | GGGG                 |                              | 121                     | 29                     |
| 2524-01022        | 00000/0000                                     | 2-2002R/0294     | 06/29/76       | 90              | 7297                               | 4301N                               | 13356E       | 57.5         | 117.5             | GGGG                 |                              | 121                     | 30                     |
| 2524-01025        | 00000/0000                                     | 2-2002R/0295     | 06/29/76       | 90              | 7297                               | 4135N                               | 13326E       | 57.9         | 114.9             | GGGG                 |                              | 121                     | 31                     |
| 2524-01031        | 00000/0000                                     | 2-2002R/0296     | 06/29/76       | 90              | 7297                               | 4010N                               | 13255E       | 58.2         | 112.4             | GGGG                 |                              | 121                     | 32                     |
| 2524-01034        | 00000/0000                                     | 2-2002R/0297     | 06/29/76       | 90              | 7297                               | 3845N                               | 13224E       | 58.4         | 109.8             | GGGG                 |                              | 121                     | 33                     |
| 2524-01040        | 00000/0000                                     | 2-2002R/0298     | 06/29/76       | 80              | 7297                               | 3719N                               | 13157E       | 58.6         | 107.3             | GGGG                 |                              | 121                     | 34                     |
| 2524-01102        | 00000/0000                                     | 2-2002R/0299     | 06/29/76       | 10              | 7297                               | 1550N                               | 12605E       | 54.3         | 72.0              | GGGG                 |                              | 121                     | 49                     |
| 2524-01104        | 00000/0000                                     | 2-2002R/0300     | 06/29/76       | 10              | 7297                               | 1424N                               | 12544E       | 53.6         | 70.2              | GGGG                 |                              | 121                     | 50                     |
| 2524-01111        | 00000/0000                                     | 2-2002R/0301     | 06/29/76       | 10              | 7297                               | 1256N                               | 12523E       | 52.9         | 68.5              | GGGG                 |                              | 121                     | 51                     |
| 2524-01113        | 00000/0000                                     | 2-2002R/0302     | 06/29/76       | 20              | 7297                               | 1130N                               | 12502E       | 52.2         | 66.8              | GGGG                 |                              | 121                     | 52                     |
| 2524-01120        | 00000/0000                                     | 2-2002R/0303     | 06/29/76       | 20              | 7297                               | 1003N                               | 12441E       | 51.4         | 65.2              | GGGG                 |                              | 121                     | 53                     |
| 2524-01122        | 00000/0000                                     | 2-2002R/0304     | 06/29/76       | 20              | 7297                               | 0837N                               | 12421E       | 50.5         | 63.7              | GGGG                 |                              | 121                     | 54                     |
| 2524-01125        | 00000/0000                                     | 2-2002R/0305     | 06/29/76       | 40              | 7297                               | 0711N                               | 12400E       | 49.7         | 62.2              | GGGG                 |                              | 121                     | 55                     |
| 2524-01231        | 00000/0000                                     | 2-2002R/0306     | 06/29/76       | 40              | 7297                               | 2844S                               | 11521E       | 22.5         | 44.4              | GGGG                 |                              | 121                     | 80                     |
| 2524-01234        | 00000/0000                                     | 2-2002R/0307     | 06/29/76       | 40              | 7297                               | 3009S                               | 11457E       | 21.3         | 44.2              | GGGG                 |                              | 121                     | 81                     |
| 2524-02422        | 00000/0000                                     | 2-2002R/0357     | 06/29/76       | 10              | 7298                               | 5415N                               | 11305E       | 53.0         | 136.1             | GGGG                 |                              | 139                     | 22                     |
| 2524-02424        | 00000/0000                                     | 2-2002R/0358     | 06/29/76       | 10              | 7298                               | 5251N                               | 11221E       | 53.7         | 133.9             | GGGG                 |                              | 139                     | 23                     |
| 2524-02431        | 00000/0000                                     | 2-2002R/0359     | 06/29/76       | 10              | 7298                               | 5125N                               | 11139E       | 54.4         | 131.7             | GGGG                 |                              | 139                     | 24                     |
| 2524-02433        | 00000/0000                                     | 2-2002R/0360     | 06/29/76       | 10              | 7298                               | 5003N                               | 11100E       | 55.0         | 129.4             | GGGG                 |                              | 139                     | 25                     |
| 2524-02460        | 00000/0000                                     | 2-2002R/0361     | 06/29/76       | 40              | 7298                               | 4137N                               | 10737E       | 57.9         | 114.9             | GGGG                 |                              | 139                     | 31                     |
| 2524-02463        | 00000/0000                                     | 2-2002R/0362     | 06/29/76       | 60              | 7298                               | 4012N                               | 10707E       | 58.2         | 112.4             | GGGG                 |                              | 139                     | 32                     |
| 2524-02465        | 00000/0000                                     | 2-2002R/0363     | 06/29/76       | 30              | 7298                               | 3847N                               | 10638E       | 58.4         | 109.8             | GGGG                 |                              | 139                     | 33                     |
| 2524-02472        | 00000/0000                                     | 2-2002R/0364     | 06/29/76       | 10              | 7298                               | 3721N                               | 10610E       | 58.6         | 107.3             | GGGG                 |                              | 139                     | 34                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RSV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RSV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|-----------------|------------------------------------|---------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2524-02474        | 00000/0000                                     | 2-2002R/0365     | 06/29/76              | 10              | 7298                               | 3553N         | 10543E       | 58.1         | 104.7             | GGGG        |                     |                      |                         |                        |
| 2524-04242        | 00000/0000                                     | 2-2002R/0273     | 06/29/76              | 20              | 7299                               | 5826N         | 08949E       | 50.6         | 142.6             | GGGG        |                     |                      | 139                     | 35                     |
| 2524-04244        | 00000/0000                                     | 2-2002R/0274     | 06/29/76              | 30              | 7299                               | 5703N         | 08A55E       | 51.4         | 140.4             | GGGG        |                     |                      | 157                     | 19                     |
| 2524-04251        | 00000/0000                                     | 2-2002R/0275     | 06/29/76              | 30              | 7299                               | 5540N         | 08A05E       | 52.2         | 138.3             | GGGG        |                     |                      | 157                     | 20                     |
| 2524-04253        | 00000/0000                                     | 2-2002R/0366     | 06/29/76              | 30              | 7299                               | 5416N         | 08717E       | 53.0         | 136.1             | GGGG        |                     |                      | 157                     | 21                     |
| 2524-04260        | 00000/0000                                     | 2-2002R/0367     | 06/29/76              | 30              | 7299                               | 5252N         | 08633E       | 53.7         | 133.9             | GGGG        |                     |                      | 157                     | 22                     |
| 2524-04262        | 00000/0000                                     | 2-2002R/0368     | 06/29/76              | 30              | 7299                               | 5128N         | 08550E       | 54.4         | 131.7             | FGGG        |                     |                      | 157                     | 23                     |
| 2524-04265        | 00000/0000                                     | 2-2002R/0352     | 06/29/76              | 30              | 7299                               | 5004N         | 08510E       | 55.0         | 129.4             | FGGG        |                     |                      | 157                     | 24                     |
| 2524-04271        | 00000/0000                                     | 2-2002R/0363     | 06/29/76              | 40              | 7299                               | 4840N         | 08432E       | 55.6         | 127.1             | F           |                     |                      | 157                     | 25                     |
| 2524-04274        | 00000/0000                                     | 2-2002R/0369     | 06/29/76              | 20              | 7299                               | 4715N         | 08356E       | 56.2         | 124.7             | P           |                     |                      | 157                     | 26                     |
| 2524-04280        | 00000/0000                                     | 2-2002R/0370     | 06/29/76              | 50              | 7299                               | 4550N         | 08321E       | 56.7         | 122.3             | GGGG        |                     |                      | 157                     | 27                     |
| 2524-04283        | 00000/0000                                     | 2-2002R/0371     | 06/29/76              | 50              | 7299                               | 4405N         | 08248E       | 57.1         | 119.9             | GGGG        |                     |                      | 157                     | 28                     |
| 2524-06073        | 00000/0000                                     | 2-2002R/0372     | 06/29/76              | 30              | 7300                               | 5826N         | 06358E       | 50.6         | 142.6             | GGGG        |                     |                      | 157                     | 29                     |
| 2524-06080        | 00000/0000                                     | 2-2002R/0373     | 06/29/76              | 50              | 7300                               | 5733N         | 06305E       | 51.4         | 140.4             | GGGG        |                     |                      | 175                     | 19                     |
| 2524-06082        | 00000/0000                                     | 2-2002R/0374     | 06/29/76              | 30              | 7300                               | 5539N         | 06215E       | 52.2         | 138.3             | GGGG        |                     |                      | 175                     | 20                     |
| 2524-06085        | 00000/0000                                     | 2-2002R/0375     | 06/29/76              | 40              | 7300                               | 5415N         | 06128E       | 53.0         | 136.1             | GGGG        |                     |                      | 175                     | 21                     |
| 2524-06091        | 00000/0000                                     | 2-2002R/0376     | 06/29/76              | 80              | 7300                               | 5252N         | 06043E       | 53.7         | 133.9             | GGGG        |                     |                      | 175                     | 22                     |
| 2524-06094        | 00000/0000                                     | 2-2002R/0377     | 06/29/76              | 60              | 7300                               | 5128N         | 06001E       | 54.4         | 131.7             | GGGG        |                     |                      | 175                     | 23                     |
| 2524-06100        | 00000/0000                                     | 2-2002R/0378     | 06/29/76              | 40              | 7300                               | 5033N         | 05921E       | 55.0         | 129.4             | GGGG        |                     |                      | 175                     | 24                     |
| 2524-06103        | 00000/0000                                     | 2-2002R/0379     | 06/29/76              | 50              | 7300                               | 4839N         | 05843E       | 55.6         | 127.1             | GGGG        |                     |                      | 175                     | 25                     |
| 2524-06135        | 00000/0000                                     | 2-2002R/0380     | 06/29/76              | 30              | 7300                               | 3718N         | 05430E       | 58.6         | 107.2             | GGGG        |                     |                      | 175                     | 26                     |
| 2524-06162        | 00000/0000                                     | 2-2002R/0381     | 06/29/76              | 10              | 7300                               | 2844N         | 05158E       | 58.4         | 91.9              | GGGG        |                     |                      | 175                     | 34                     |
| 2524-07500        | 00000/0000                                     | 2-2002R/0276     | 06/29/76              | 80              | 7301                               | 6113N         | 04010E       | 48.8         | 146.9             | GGGG        |                     |                      | 193                     | 17                     |
| 2524-07502        | 00000/0000                                     | 2-2002R/0277     | 06/29/76              | 80              | 7301                               | 5951N         | 03908E       | 49.7         | 144.8             | GGGG        |                     |                      | 193                     | 18                     |
| 2524-07505        | 00000/0000                                     | 2-2002R/0278     | 06/29/76              | 30              | 7301                               | 5829N         | 03811E       | 50.6         | 142.7             | GGGG        |                     |                      | 193                     | 19                     |
| 2524-07511        | 00000/0000                                     | 2-2002R/0279     | 06/29/76              | 80              | 7301                               | 5706N         | 03718E       | 51.4         | 140.5             | GGGG        |                     |                      | 193                     | 20                     |
| 2524-07514        | 00000/0000                                     | 2-2002R/0280     | 06/29/76              | 10              | 7301                               | 5542N         | 03627E       | 52.2         | 138.4             | GGGG        |                     |                      | 193                     | 21                     |
| 2524-07520        | 00000/0000                                     | 2-2002R/0281     | 06/29/76              | 10              | 7301                               | 5418N         | 03540E       | 52.9         | 136.2             | GGGG        |                     |                      | 193                     | 22                     |
| 2524-07523        | 00000/0000                                     | 2-2002R/0282     | 06/29/76              | 40              | 7301                               | 5255N         | 03456E       | 53.7         | 134.0             | GGGG        |                     |                      | 193                     | 23                     |
| 2524-07525        | 00000/0000                                     | 2-2002R/0283     | 06/29/76              | 20              | 7301                               | 5120N         | 03344E       | 54.3         | 131.7             | GGGG        |                     |                      | 193                     | 24                     |
| 2524-07532        | 00000/0000                                     | 2-2002R/0284     | 06/29/76              | 10              | 7301                               | 5006N         | 03334E       | 55.0         | 129.5             | GGGG        |                     |                      | 193                     | 25                     |
| 2524-07543        | 00000/0000                                     | 2-2002R/0285     | 06/29/76              | 20              | 7301                               | 4542N         | 03145E       | 56.6         | 122.4             | GGGG        |                     |                      | 193                     | 26                     |
| 2524-09352        | 00000/0000                                     | 2-2002R/0286     | 06/29/76              | 10              | 7302                               | 5417N         | 00952E       | 52.9         | 136.2             | GGGG        |                     |                      | 211                     | 22                     |
| 2524-14465        | 00000/0000                                     | 2-2002R/0339     | 06/29/76              | 90              | 7305                               | 4839N         | 07019W       | 55.6         | 127.1             | GG          |                     |                      | 14                      | 26                     |
| 2524-14530        | 00000/0000                                     | 2-2002R/0336     | 06/29/76              | 40              | 7305                               | 2719N         | 07729W       | 58.1         | 89.5              | GGGG        |                     |                      | 14                      | 41                     |
| 2524-14533        | 00000/0000                                     | 2-2002R/0337     | 06/29/76              | 40              | 7305                               | 2554N         | 07752W       | 57.8         | 87.1              | GGGG        |                     |                      | 14                      | 42                     |

KEYS:

CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NAN-US  
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| OBSERVATION ID | MICROFILM POSITION RBV | ROLL NO./ IN ROLL MSS | DATE ACQUIRED | CLOUD COVER | ORBIT NUMBER | PRINCIPAL POINT OF IMAGE LAT | PRINCIPAL POINT OF IMAGE LONG | SUN FLEV. | SUN AZIM. | IMAGE QUAL RBV | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME ROW NUMBER |
|----------------|------------------------|-----------------------|---------------|-------------|--------------|------------------------------|-------------------------------|-----------|-----------|----------------|---------------|----------------|-------------------|------------------|
| 2524-14535     | 00000/0000             | 2-2002R/0338          | 06/29/76      | 30          | 7305         | 2429N                        | 07R15W                        | 57.5      | 84.7      | GGGG           |               | H              | 14                | 43               |
| 2524-18023     | 2-20029/0242           | 00000/0000            | 06/29/76      | 80          | 7307         | 8075N                        | 05R41W                        | 31.2      | 213.8     | GGG            |               |                | 33                | 248              |
| 2524-18030     | 2-20029/0243           | 00000/0000            | 06/29/76      | 80          | 7307         | 8002N                        | 06640W                        | 32.3      | 205.5     | G              |               |                | 51                | 1                |
| 2524-18032     | 2-20029/0244           | 00000/0000            | 06/29/76      | 80          | 7307         | 7918N                        | 07345W                        | 33.5      | 198.1     | G              |               |                | 51                | 2                |
| 2524-18035     | 2-20029/0245           | 00000/0000            | 06/29/76      | 90          | 7307         | 7826N                        | 07952W                        | 34.6      | 191.6     | GGG            |               |                | 51                | 3                |
| 2524-18041     | 2-20029/0246           | 00000/0000            | 06/29/76      | 90          | 7307         | 7728N                        | 08509W                        | 35.7      | 186.0     | GGG            |               |                | 51                | 4                |
| 2524-18105     | 00000/0000             | 2-2002R/0786          | 06/29/76      | 20          | 7307         | 5704N                        | 11736W                        | 51.4      | 140.5     | GGFG           |               |                | 50                | 20               |
| 2524-18111     | 00000/0000             | 2-2002R/0787          | 06/29/76      | 20          | 7307         | 5540N                        | 11A26W                        | 52.2      | 138.3     | GGFG           |               |                | 50                | 21               |
| 2524-18114     | 00000/0000             | 2-2002R/0788          | 06/29/76      | 60          | 7307         | 5417N                        | 11913W                        | 52.9      | 136.1     | GGGG           |               |                | 50                | 22               |
| 2524-18120     | 00000/0000             | 2-2002R/0789          | 06/29/76      | 50          | 7307         | 5253N                        | 11957W                        | 53.6      | 133.9     | GFFF           |               |                | 50                | 23               |
| 2524-18123     | 00000/0000             | 2-2002R/0790          | 06/29/76      | 80          | 7307         | 5129N                        | 12039W                        | 54.3      | 131.7     | GFFF           |               |                | 50                | 24               |
| 2524-19452     | 2-20029/0247           | 00000/0000            | 06/29/76      | 90          | 7308         | 8057N                        | 07454W                        | 30.0      | 223.6     | GGG            |               |                | 57                | 246              |
| 2524-19455     | 2-20029/0248           | 00000/0000            | 06/29/76      | 90          | 7308         | 8036N                        | 08348W                        | 31.1      | 214.5     | GG             |               |                | 50                | 248              |
| 2524-23465     | 00000/0000             | 2-2002R/0383          | 06/29/76      | 10          | 7310         | 3302S                        | 13A30E                        | 18.9      | 44.0      | GGGG           |               |                | 104               | 83               |
| 2524-23472     | 00000/0000             | 2-2002R/0384          | 06/29/76      | 50          | 7310         | 3427S                        | 13A04E                        | 17.7      | 43.9      | GGGG           |               |                | 104               | 84               |
| 2525-01060     | 00000/0000             | 2-2002R/0385          | 06/30/76      | 20          | 7311         | 5007N                        | 13523E                        | 54.9      | 129.5     | GGGG           |               |                | 122               | 25               |
| 2525-01062     | 00000/0000             | 2-2002R/0386          | 06/30/76      | 10          | 7311         | 4843N                        | 13445E                        | 55.5      | 127.1     | GGGG           |               |                | 122               | 26               |
| 2525-01065     | 00000/0000             | 2-2002R/0387          | 06/30/76      | 10          | 7311         | 4717N                        | 13409E                        | 56.1      | 124.8     | GGGG           |               |                | 122               | 27               |
| 2525-01071     | 00000/0000             | 2-2002R/0388          | 06/30/76      | 20          | 7311         | 4553N                        | 13334E                        | 56.6      | 122.4     | GGGG           |               |                | 122               | 28               |
| 2525-01074     | 00000/0000             | 2-2002R/0389          | 06/30/76      | 10          | 7311         | 4428N                        | 13301E                        | 57.0      | 120.0     | GGGG           |               |                | 122               | 29               |
| 2525-01080     | 00000/0000             | 2-2002R/0390          | 06/30/76      | 50          | 7311         | 4343N                        | 13230E                        | 57.4      | 117.5     | GGFG           |               |                | 122               | 30               |
| 2525-01160     | 00000/0000             | 2-2002R/0391          | 06/30/76      | 50          | 7311         | 1553N                        | 12439E                        | 54.3      | 72.2      | GGGG           |               |                | 122               | 49               |
| 2525-01162     | 00000/0000             | 2-2002R/0392          | 06/30/76      | 30          | 7311         | 1426N                        | 12418E                        | 53.6      | 70.4      | GGGG           |               |                | 122               | 50               |
| 2525-01165     | 00000/0000             | 2-2002R/0393          | 06/30/76      | 60          | 7311         | 1259N                        | 12356E                        | 52.9      | 68.6      | GGGG           |               |                | 122               | 51               |
| 2525-01171     | 00000/0000             | 2-2002R/0394          | 06/30/76      | 60          | 7311         | 1132N                        | 12336E                        | 52.1      | 66.9      | GGGF           |               |                | 122               | 52               |
| 2525-01174     | 00000/0000             | 2-2002R/0395          | 06/30/76      | 40          | 7311         | 1006N                        | 12315E                        | 51.3      | 65.3      | GGGG           |               |                | 122               | 53               |
| 2525-01180     | 00000/0000             | 2-2002R/0396          | 06/30/76      | 50          | 7311         | 0879N                        | 12255E                        | 50.5      | 63.8      | GGGG           |               |                | 122               | 54               |
| 2525-01183     | 00000/0000             | 2-2002R/0397          | 06/30/76      | 50          | 7311         | 0712N                        | 12235E                        | 49.7      | 62.4      | GGGG           |               |                | 122               | 55               |
| 2525-01283     | 00000/0000             | 2-2002R/0398          | 06/30/76      | 60          | 7311         | 2717S                        | 11418E                        | 23.8      | 44.7      | GGGG           |               |                | 122               | 79               |
| 2525-01285     | 00000/0000             | 2-2002R/0399          | 06/30/76      | 40          | 7311         | 2842S                        | 11355E                        | 22.6      | 44.5      | GGGG           |               |                | 122               | 80               |
| 2525-02473     | 00000/0000             | 2-2002R/0504          | 06/30/76      | 10          | 7312         | 5542N                        | 11230E                        | 52.1      | 138.3     | GGGG           |               |                | 140               | 21               |
| 2525-02480     | 00000/0000             | 2-2002R/0505          | 06/30/76      | 10          | 7312         | 5419N                        | 11143E                        | 52.9      | 136.1     | GGGG           |               |                | 140               | 22               |
| 2525-02482     | 00000/0000             | 2-2002R/0506          | 06/30/76      | 10          | 7312         | 5255N                        | 11058E                        | 53.6      | 133.9     | GGGG           |               |                | 140               | 23               |
| 2525-02485     | 00000/0000             | 2-2002R/0507          | 06/30/76      | 10          | 7312         | 5131N                        | 11016E                        | 54.3      | 131.7     | GGGG           |               |                | 140               | 24               |
| 2525-02491     | 00000/0000             | 2-2002R/0508          | 06/30/76      | 10          | 7312         | 5006N                        | 10936E                        | 54.9      | 129.4     | GGGG           |               |                | 140               | 25               |
| 2525-02521     | 00000/0000             | 2-2002R/0509          | 06/30/76      | 10          | 7312         | 4013N                        | 10541E                        | 58.1      | 112.5     | GGFG           |               |                | 140               | 32               |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G, GOOD, P, POOR, F, FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>REV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | LONG   | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | 123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RAW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|-----------------|------------------------------------|--------|--------------|--------------|-----------------------|-----------|---------------------|----------------------|-------------------------|------------------------|
| 2525-04300        | 00000/0000                                     | 2-2002R/0413 | 06/30/76         | 100            | 7313            | 5828N                              | 08R23E | 50.5         | 142.6        |                       |           |                     |                      |                         |                        |
| 2525-04302        | 00000/0000                                     | 2-2002R/0414 | 06/30/76         | 90             | 7313            | 5706N                              | 08729E | 51.3         | 140.5        | GGG                   |           |                     |                      | 158                     | 19                     |
| 2525-04305        | 00000/0000                                     | 2-2002R/0415 | 06/30/76         | 60             | 7313            | 5542N                              | 08639E | 52.1         | 138.3        | GGGG                  |           |                     |                      | 158                     | 20                     |
| 2525-04311        | 00000/0000                                     | 2-2002R/0416 | 06/30/76         | 10             | 7313            | 5419N                              | 08551E | 52.9         | 136.1        | GGGG                  |           |                     |                      | 158                     | 21                     |
| 2525-04314        | 00000/0000                                     | 2-2002R/0417 | 06/30/76         | 10             | 7313            | 5254N                              | 08507E | 53.6         | 133.9        | GGGG                  |           |                     |                      | 158                     | 22                     |
| 2525-04320        | 00000/0000                                     | 2-2002R/0473 | 06/30/76         | 50             | 7313            | 5170N                              | 08425E | 54.3         | 131.7        | GGGG                  |           |                     |                      | 158                     | 23                     |
| 2525-04323        | 00000/0000                                     | 2-2002R/0474 | 06/30/76         | 60             | 7313            | 5066N                              | 08344E | 54.9         | 129.4        | G                     |           |                     |                      | 158                     | 24                     |
| 2525-04325        | 00000/0000                                     | 2-2002R/0475 | 06/30/76         | 10             | 7313            | 4841N                              | 08306E | 55.5         | 127.1        | GGGG                  |           |                     |                      | 158                     | 25                     |
| 2525-04332        | 00000/0000                                     | 2-2002R/0476 | 06/30/76         | 30             | 7313            | 4717N                              | 08229E | 56.1         | 124.8        | GGGG                  |           |                     |                      | 158                     | 26                     |
| 2525-04334        | 00000/0000                                     | 2-2002R/0477 | 06/30/76         | 80             | 7313            | 4552N                              | 08154E | 56.6         | 122.4        | GGGG                  |           |                     |                      | 158                     | 27                     |
| 2525-04341        | 00000/0000                                     | 2-2002R/0478 | 06/30/76         | 80             | 7313            | 4427N                              | 08121E | 57.0         | 120.0        | GGGG                  |           |                     |                      | 158                     | 28                     |
| 2525-04343        | 00000/0000                                     | 2-2002R/0479 | 06/30/76         | 60             | 7313            | 4302N                              | 08050E | 57.4         | 117.5        | GGGG                  |           |                     |                      | 158                     | 29                     |
| 2525-04361        | 00000/0000                                     | 2-2002R/0480 | 06/30/76         | 60             | 7313            | 3721N                              | 07A54E | 58.5         | 107.3        | GGGG                  |           |                     |                      | 158                     | 30                     |
| 2525-04364        | 00000/0000                                     | 2-2002R/0481 | 06/30/76         | 50             | 7313            | 3556N                              | 07A27E | 58.6         | 104.8        | GGGG                  |           |                     |                      | 158                     | 31                     |
| 2525-04370        | 00000/0000                                     | 2-2002R/0482 | 06/30/76         | 10             | 7313            | 3431N                              | 07A01E | 58.7         | 102.2        | GGGG                  |           |                     |                      | 158                     | 32                     |
| 2525-06125        | 00000/0000                                     | 2-2002R/0483 | 06/30/76         | 70             | 7314            | 5954N                              | 06334E | 49.6         | 144.8        | GGGG                  |           |                     |                      | 176                     | 18                     |
| 2525-06131        | 00000/0000                                     | 2-2002R/0484 | 06/30/76         | 30             | 7314            | 5831N                              | 06237E | 50.5         | 142.7        | GGGG                  |           |                     |                      | 176                     | 19                     |
| 2525-06134        | 00000/0000                                     | 2-2002R/0485 | 06/30/76         | 40             | 7314            | 5708N                              | 06144E | 51.3         | 140.5        | GGGG                  |           |                     |                      | 176                     | 20                     |
| 2525-06140        | 00000/0000                                     | 2-2002R/0486 | 06/30/76         | 50             | 7314            | 5545N                              | 06053E | 52.1         | 138.4        | GGGG                  |           |                     |                      | 176                     | 21                     |
| 2525-06143        | 00000/0000                                     | 2-2002R/0487 | 06/30/76         | 30             | 7314            | 5421N                              | 06006E | 52.8         | 136.2        | GGGG                  |           |                     |                      | 176                     | 22                     |
| 2525-06145        | 00000/0000                                     | 2-2002R/0488 | 06/30/76         | 20             | 7314            | 5257N                              | 05921E | 53.6         | 134.0        | GGGG                  |           |                     |                      | 176                     | 23                     |
| 2525-06152        | 00000/0000                                     | 2-2002R/0489 | 06/30/76         | 10             | 7314            | 5133N                              | 05839E | 54.2         | 131.8        | GGGG                  |           |                     |                      | 176                     | 24                     |
| 2525-06154        | 00000/0000                                     | 2-2002R/0490 | 06/30/76         | 40             | 7314            | 5008N                              | 05759E | 54.9         | 129.5        | GGGG                  |           |                     |                      | 176                     | 25                     |
| 2525-06161        | 00000/0000                                     | 2-2002R/0491 | 06/30/76         | 60             | 7314            | 4844N                              | 05721E | 55.5         | 127.2        | GGGG                  |           |                     |                      | 176                     | 26                     |
| 2525-06163        | 00000/0000                                     | 2-2002R/0492 | 06/30/76         | 20             | 7314            | 4720N                              | 05644E | 56.0         | 124.9        | GGGG                  |           |                     |                      | 176                     | 27                     |
| 2525-06190        | 00000/0000                                     | 2-2002R/0493 | 06/30/76         | 10             | 7314            | 3849N                              | 05333E | 58.3         | 110.0        | GGGG                  |           |                     |                      | 176                     | 28                     |
| 2525-06193        | 00000/0000                                     | 2-2002R/0494 | 06/30/76         | 20             | 7314            | 3724N                              | 05305E | 58.5         | 107.4        | GGGG                  |           |                     |                      | 176                     | 29                     |
| 2525-06195        | 00000/0000                                     | 2-2002R/0495 | 06/30/76         | 10             | 7314            | 3558N                              | 05238E | 58.6         | 104.9        | GGGG                  |           |                     |                      | 176                     | 30                     |
| 2525-06202        | 00000/0000                                     | 2-2002R/0496 | 06/30/76         | 0              | 7314            | 3432N                              | 05212E | 58.7         | 102.3        | GGGG                  |           |                     |                      | 176                     | 31                     |
| 2525-06204        | 00000/0000                                     | 2-2002R/0497 | 06/30/76         | 0              | 7314            | 3307N                              | 05146E | 58.7         | 99.7         | GGGG                  |           |                     |                      | 176                     | 32                     |
| 2525-06211        | 00000/0000                                     | 2-2002R/0498 | 06/30/76         | 0              | 7314            | 3142N                              | 05121E | 58.6         | 97.2         | GGGG                  |           |                     |                      | 176                     | 33                     |
| 2525-06213        | 00000/0000                                     | 2-2002R/0499 | 06/30/76         | 0              | 7314            | 3016N                              | 05057E | 58.5         | 94.6         | GGGG                  |           |                     |                      | 176                     | 34                     |
| 2525-07554        | 00000/0000                                     | 2-2002R/0400 | 06/30/76         | 90             | 7315            | 6115N                              | 03A46E | 48.7         | 146.9        | GGGG                  |           |                     |                      | 194                     | 17                     |
| 2525-07561        | 00000/0000                                     | 2-2002R/0401 | 06/30/76         | 90             | 7315            | 5953N                              | 03744E | 49.6         | 144.8        | GGGG                  |           |                     |                      | 194                     | 18                     |
| 2525-07563        | 00000/0000                                     | 2-2002R/0402 | 06/30/76         | 90             | 7315            | 5821N                              | 03647E | 50.5         | 142.7        | GGGG                  |           |                     |                      | 194                     | 19                     |
| 2525-07570        | 00000/0000                                     | 2-2002R/0403 | 06/30/76         | 90             | 7315            | 5708N                              | 03554E | 51.3         | 140.5        | GGGG                  |           |                     |                      | 194                     | 20                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|--------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2525-07572        | 00000/0000                   | 2-2002R/0404                | 06/30/76         | 9n             | 7315            | 5544N                        | 03504E        | 52.1         | 138.4        |              |             |                     |                      |                         |                        |
| 2525-07581        | 00000/0000                   | 2-2002R/0452                | 06/30/76         | 6n             | 7315            | 5257N                        | 03332E        | 53.6         | 134.0        |              | GGGG        |                     |                      | 194                     | 21                     |
| 2525-07584        | 00000/0000                   | 2-2002R/0453                | 06/30/76         | 6n             | 7315            | 5193N                        | 03250E        | 54.2         | 131.8        |              | GGGG        |                     |                      | 194                     | 23                     |
| 2525-07590        | 00000/0000                   | 2-2002R/0454                | 06/30/76         | 3n             | 7315            | 5008N                        | 03210E        | 54.9         | 129.5        |              | GGGG        |                     |                      | 194                     | 24                     |
| 2525-07593        | 00000/0000                   | 2-2002R/0455                | 06/30/76         | 2n             | 7315            | 4844N                        | 03132E        | 55.5         | 127.2        |              | GGGG        |                     |                      | 194                     | 25                     |
| 2525-08002        | 00000/0000                   | 2-2002R/0456                | 06/30/76         | 1n             | 7315            | 4564N                        | 03020E        | 56.5         | 122.5        |              | GGGG        |                     |                      | 194                     | 26                     |
| 2525-14523        | 00000/0000                   | 2-2002R/0470                | 06/30/76         | 3n             | 7319            | 4841N                        | 07144W        | 55.5         | 127.2        |              | GGGG        |                     |                      | 194                     | 28                     |
| 2525-16350        | 00000/0000                   | 2-2002R/0471                | 06/30/76         | 2n             | 7320            | 5132N                        | 09617W        | 54.2         | 131.7        |              | GGGG        |                     |                      | 15                      | 26                     |
| 2525-18075        | 2-20029/0249                 | 00000/0000                  | 06/30/76         | 9n             | 7321            | 5057N                        | 05003W        | 29.8         | 224.1        | GGG          |             |                     |                      | 33                      | 24                     |
| 2525-18081        | 2-20029/0250                 | 00000/0000                  | 06/30/76         | 8n             | 7321            | 5037N                        | 05458W        | 31.0         | 214.9        | G            |             |                     |                      | 40                      | 246                    |
| 2525-18084        | 2-20029/0251                 | 00000/0000                  | 06/30/76         | 8n             | 7321            | 5005N                        | 06705W        | 32.1         | 206.5        | GG           |             |                     |                      | 33                      | 248                    |
| 2525-18090        | 2-20029/0252                 | 00000/0000                  | 06/30/76         | 8n             | 7321            | 7923N                        | 07415W        | 33.3         | 199.0        | GG           |             |                     |                      | 51                      | 1                      |
| 2525-18093        | 2-20029/0253                 | 00000/0000                  | 06/30/76         | 9n             | 7321            | 7833N                        | 08028W        | 34.4         | 192.4        | GGG          |             |                     |                      | 51                      | 2                      |
| 2525-18095        | 2-20029/0254                 | 00000/0000                  | 06/30/76         | 7n             | 7321            | 7736N                        | 08548W        | 35.5         | 186.6        | GG           |             |                     |                      | 51                      | 3                      |
| 2525-18170        | 00000/0000                   | 2-2002R/0503                | 06/30/76         | 7n             | 7321            | 5543N                        | 11949W        | 52.1         | 138.3        | GGG          |             |                     |                      | 51                      | 4                      |
| 2525-18172        | 00000/0000                   | 2-2002R/0500                | 06/30/76         | 8n             | 7321            | 5420N                        | 12036W        | 52.8         | 136.1        |              | G           |                     |                      | 51                      | 21                     |
| 2525-18175        | 00000/0000                   | 2-2002R/0501                | 06/30/76         | 7n             | 7321            | 5256N                        | 12120W        | 53.5         | 133.9        |              | GGGG        |                     |                      | 51                      | 22                     |
| 2525-18181        | 00000/0000                   | 2-2002R/0502                | 06/30/76         | 4n             | 7321            | 5132N                        | 12202W        | 54.2         | 131.7        |              | GGGG        |                     |                      | 51                      | 23                     |
| 2525-23523        | 00000/0000                   | 2-2002R/0457                | 06/30/76         | 3n             | 7324            | 3258S                        | 13704E        | 19.0         | 44.1         |              | GGGG        |                     |                      | 51                      | 24                     |
| 2526-01120        | 00000/0000                   | 2-2002R/0458                | 07/01/76         | 4n             | 7325            | 4845N                        | 13319E        | 55.4         | 127.2        |              | GGGG        |                     |                      | 105                     | 83                     |
| 2526-01123        | 00000/0000                   | 2-2002R/0459                | 07/01/76         | 1n             | 7325            | 4720N                        | 13243E        | 56.0         | 124.8        |              | GGGG        |                     |                      | 123                     | 26                     |
| 2526-01125        | 00000/0000                   | 2-2002R/0460                | 07/01/76         | 1n             | 7325            | 4555N                        | 13208E        | 56.5         | 122.5        |              | GGGG        |                     |                      | 123                     | 27                     |
| 2526-01132        | 00000/0000                   | 2-2002R/0461                | 07/01/76         | 3n             | 7325            | 4431N                        | 13135E        | 56.9         | 120.0        |              | GGGG        |                     |                      | 123                     | 28                     |
| 2526-01134        | 00000/0000                   | 2-2002R/0462                | 07/01/76         | 8n             | 7325            | 4306N                        | 13103E        | 57.4         | 117.6        |              | GGGG        |                     |                      | 123                     | 29                     |
| 2526-01214        | 00000/0000                   | 2-2002R/0463                | 07/01/76         | 8n             | 7325            | 1554N                        | 12312E        | 54.3         | 72.4         |              | GGGG        |                     |                      | 123                     | 30                     |
| 2526-01220        | 00000/0000                   | 2-2002R/0464                | 07/01/76         | 7n             | 7325            | 1427N                        | 12251E        | 53.6         | 70.5         |              | GGGG        |                     |                      | 123                     | 49                     |
| 2526-01223        | 00000/0000                   | 2-2002R/0465                | 07/01/76         | 6n             | 7325            | 1300N                        | 12231E        | 52.9         | 68.8         |              | GGGG        |                     |                      | 123                     | 50                     |
| 2526-01225        | 00000/0000                   | 2-2002R/0466                | 07/01/76         | 6n             | 7325            | 1134N                        | 12211E        | 52.1         | 67.1         |              | GGGG        |                     |                      | 123                     | 51                     |
| 2526-01232        | 00000/0000                   | 2-2002R/0467                | 07/01/76         | 5n             | 7325            | 1009N                        | 12151E        | 51.3         | 65.5         |              | GGGG        |                     |                      | 123                     | 52                     |
| 2526-01234        | 00000/0000                   | 2-2002R/0468                | 07/01/76         | 4n             | 7325            | 0843N                        | 12130E        | 50.5         | 64.0         |              | GGGG        |                     |                      | 123                     | 53                     |
| 2526-01241        | 00000/0000                   | 2-2002R/0469                | 07/01/76         | 5n             | 7325            | 0716N                        | 12110E        | 49.6         | 62.5         |              | GGGG        |                     |                      | 123                     | 54                     |
| 2526-02532        | 00000/0000                   | 2-2002R/0405                | 07/01/76         | 1n             | 7326            | 5543N                        | 11104E        | 52.0         | 138.3        |              | GGGG        |                     |                      | 141                     | 21                     |
| 2526-02534        | 00000/0000                   | 2-2002R/0406                | 07/01/76         | 1n             | 7326            | 5420N                        | 11017E        | 52.8         | 136.2        |              | GGGG        |                     |                      | 141                     | 22                     |
| 2526-02541        | 00000/0000                   | 2-2002R/0407                | 07/01/76         | 1n             | 7326            | 5257N                        | 10933E        | 53.5         | 134.0        |              | GGGG        |                     |                      | 141                     | 23                     |
| 2526-02543        | 00000/0000                   | 2-2002R/0408                | 07/01/76         | 1n             | 7326            | 5132N                        | 10850E        | 54.2         | 131.7        |              | GGGG        |                     |                      | 141                     | 24                     |
| 2526-02550        | 00000/0000                   | 2-2002R/0409                | 07/01/76         | 3n             | 7326            | 5007N                        | 10810E        | 54.8         | 129.5        |              | GGGG        |                     |                      | 141                     | 25                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNEXPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS DATA<br>123 45678 MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |  |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|----------------------------------------------|----------------------|-------------------------|------------------------|--|
| 2526-02591        | 00000/0000                                     | 2-2002R/0410     | 07/01/76       | 10              | 7326                               | 3548N                               | 10252E       | 58.6         | 104.9                                        | GGGG                 |                         |                        |  |
| 2526-02593        | 00000/0000                                     | 2-2002R/0411     | 07/01/76       | 50              | 7326                               | 3432N                               | 10225E       | 58.6         | 102.3                                        | GGGG                 |                         |                        |  |
| 2526-03000        | 00000/0000                                     | 2-2002R/0412     | 07/01/76       | 100             | 7326                               | 3306N                               | 10159E       | 58.6         | 99.7                                         | GGGG                 |                         |                        |  |
| 2526-04354        | 00000/0000                                     | 2-2002R/0418     | 07/01/76       | 80              | 7327                               | 5829N                               | 08659E       | 50.4         | 142.6                                        | GGGG                 |                         |                        |  |
| 2526-04361        | 00000/0000                                     | 2-2002R/0419     | 07/01/76       | 40              | 7327                               | 5707N                               | 08605E       | 51.2         | 140.5                                        | GGGG                 |                         |                        |  |
| 2526-04363        | 00000/0000                                     | 2-2002R/0420     | 07/01/76       | 20              | 7327                               | 5544N                               | 08514E       | 52.0         | 138.3                                        | GGGG                 |                         |                        |  |
| 2526-04370        | 00000/0000                                     | 2-2002R/0421     | 07/01/76       | 30              | 7327                               | 5420N                               | 08427E       | 52.8         | 136.1                                        | GGGG                 |                         |                        |  |
| 2526-04372        | 00000/0000                                     | 2-2002R/0422     | 07/01/76       | 40              | 7327                               | 5256N                               | 08342E       | 53.5         | 134.0                                        | GGGG                 |                         |                        |  |
| 2526-04375        | 00000/0000                                     | 2-2002R/0423     | 07/01/76       | 50              | 7327                               | 5132N                               | 08300E       | 54.2         | 131.7                                        | GGGG                 |                         |                        |  |
| 2526-04381        | 00000/0000                                     | 2-2002R/0424     | 07/01/76       | 70              | 7327                               | 5008N                               | 08219E       | 54.8         | 129.5                                        | GGGG                 |                         |                        |  |
| 2526-04384        | 00000/0000                                     | 2-2002R/0425     | 07/01/76       | 60              | 7327                               | 4843N                               | 08141E       | 55.4         | 127.2                                        | GGGG                 |                         |                        |  |
| 2526-04390        | 00000/0000                                     | 2-2002R/0426     | 07/01/76       | 50              | 7327                               | 4719N                               | 08104E       | 56.0         | 124.8                                        | GGGG                 |                         |                        |  |
| 2526-04393        | 00000/0000                                     | 2-2002R/0427     | 07/01/76       | 50              | 7327                               | 4544N                               | 08029E       | 56.5         | 122.4                                        | GGGG                 |                         |                        |  |
| 2526-04395        | 00000/0000                                     | 2-2002R/0428     | 07/01/76       | 40              | 7327                               | 4429N                               | 07956E       | 56.9         | 120.0                                        | GGGG                 |                         |                        |  |
| 2526-04402        | 00000/0000                                     | 2-2002R/0429     | 07/01/76       | 30              | 7327                               | 4304N                               | 07925E       | 57.3         | 117.6                                        | GGGG                 |                         |                        |  |
| 2526-04404        | 00000/0000                                     | 2-2002R/0430     | 07/01/76       | 70              | 7327                               | 4138N                               | 07854E       | 57.7         | 115.1                                        | GGGG                 |                         |                        |  |
| 2526-04411        | 00000/0000                                     | 2-2002R/0431     | 07/01/76       | 50              | 7327                               | 4013N                               | 07824E       | 58.0         | 112.6                                        | GGGG                 |                         |                        |  |
| 2526-04413        | 00000/0000                                     | 2-2002R/0432     | 07/01/76       | 50              | 7327                               | 3848N                               | 07755E       | 58.2         | 110.0                                        | GGGG                 |                         |                        |  |
| 2526-04420        | 00000/0000                                     | 2-2002R/0433     | 07/01/76       | 90              | 7327                               | 3722N                               | 07727E       | 58.4         | 107.5                                        | GGGG                 |                         |                        |  |
| 2526-06183        | 00000/0000                                     | 2-2002R/0434     | 07/01/76       | 30              | 7328                               | 5952N                               | 06204E       | 49.6         | 144.7                                        | GGGG                 |                         |                        |  |
| 2526-06190        | 00000/0000                                     | 2-2002R/0435     | 07/01/76       | 30              | 7328                               | 5829N                               | 06107E       | 50.4         | 142.6                                        | GGGG                 |                         |                        |  |
| 2526-06192        | 00000/0000                                     | 2-2002R/0436     | 07/01/76       | 20              | 7328                               | 5707N                               | 06014E       | 51.2         | 140.5                                        | GGGG                 |                         |                        |  |
| 2526-06195        | 00000/0000                                     | 2-2002R/0437     | 07/01/76       | 40              | 7328                               | 5543N                               | 05923E       | 52.0         | 138.3                                        | GGGG                 |                         |                        |  |
| 2526-06201        | 00000/0000                                     | 2-2002R/0438     | 07/01/76       | 50              | 7328                               | 5419N                               | 05836E       | 52.8         | 136.1                                        | GGGG                 |                         |                        |  |
| 2526-06204        | 00000/0000                                     | 2-2002R/0439     | 07/01/76       | 80              | 7328                               | 5255N                               | 05752E       | 53.5         | 133.9                                        | GGGG                 |                         |                        |  |
| 2526-06210        | 00000/0000                                     | 2-2002R/0440     | 07/01/76       | 90              | 7328                               | 5131N                               | 05710E       | 54.2         | 131.7                                        | GGGG                 |                         |                        |  |
| 2526-06213        | 00000/0000                                     | 2-2002R/0441     | 07/01/76       | 90              | 7328                               | 5007N                               | 05630E       | 54.8         | 129.5                                        | GGGG                 |                         |                        |  |
| 2526-06215        | 00000/0000                                     | 2-2002R/0442     | 07/01/76       | 90              | 7328                               | 4842N                               | 05552E       | 55.4         | 127.2                                        | GGGG                 |                         |                        |  |
| 2526-06222        | 00000/0000                                     | 2-2002R/0443     | 07/01/76       | 70              | 7328                               | 4718N                               | 05516E       | 56.0         | 124.8                                        | GGGG                 |                         |                        |  |
| 2526-06245        | 00000/0000                                     | 2-2002R/0444     | 07/01/76       | 40              | 7328                               | 3847N                               | 05206E       | 58.2         | 110.0                                        | GGGG                 |                         |                        |  |
| 2526-06251        | 00000/0000                                     | 2-2002R/0445     | 07/01/76       | 40              | 7328                               | 3722N                               | 05138E       | 58.4         | 107.4                                        | GGGG                 |                         |                        |  |
| 2526-06254        | 00000/0000                                     | 2-2002R/0446     | 07/01/76       | 30              | 7328                               | 3547N                               | 05111E       | 58.6         | 104.9                                        | GGGG                 |                         |                        |  |
| 2526-06260        | 00000/0000                                     | 2-2002R/0447     | 07/01/76       | 0               | 7328                               | 3431N                               | 05045E       | 58.6         | 102.3                                        | GGGG                 |                         |                        |  |
| 2526-06263        | 00000/0000                                     | 2-2002R/0448     | 07/01/76       | 0               | 7328                               | 3306N                               | 05019E       | 58.6         | 99.7                                         | GGGG                 |                         |                        |  |
| 2526-06265        | 00000/0000                                     | 2-2002R/0449     | 07/01/76       | 0               | 7328                               | 3140N                               | 04955E       | 58.6         | 97.2                                         | GGGG                 |                         |                        |  |
| 2526-06272        | 00000/0000                                     | 2-2002R/0450     | 07/01/76       | 0               | 7328                               | 3015N                               | 04930E       | 58.5         | 94.7                                         | GGGG                 |                         |                        |  |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 23, 177

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>REEL | REEL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SARBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SARBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------|------------------|------------------|----------------|------------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|--------------------------|------------------------|
| 2526-06274        | 00000/0000                       | 2-2002R/0451     | 07/01/76         | 0              | 7328             | 2849N                                   | 04907E       | 58.3         | 92.2                               |                     |                      |                          |                        |
| 2526-08003        | 00000/0000                       | 2-2002R/0510     | 07/01/76         | 90             | 7329             | 6358N                                   | 03940E       | 46.9         | 151.2                              | GGGG                |                      | 177                      | 40                     |
| 2526-08010        | 00000/0000                       | 2-2002R/0254     | 07/01/76         | 90             | 7329             | 6276N                                   | 03828E       | 47.8         | 149.0                              | G                   |                      | 195                      | 15                     |
| 2526-08012        | 00000/0000                       | 2-2002R/0255     | 07/01/76         | 90             | 7329             | 6115N                                   | 03721E       | 48.7         | 146.9                              | GGGG                |                      | 195                      | 16                     |
| 2526-08015        | 00000/0000                       | 2-2002R/0256     | 07/01/76         | 90             | 7329             | 5952N                                   | 03619E       | 49.6         | 144.7                              | GGGG                |                      | 195                      | 17                     |
| 2526-08021        | 00000/0000                       | 2-2002R/0257     | 07/01/76         | 90             | 7329             | 5829N                                   | 03522E       | 50.4         | 142.6                              | GGGG                |                      | 195                      | 18                     |
| 2526-08024        | 00000/0000                       | 2-2002R/0258     | 07/01/76         | 70             | 7329             | 5706N                                   | 03428E       | 51.2         | 140.4                              | GGGG                |                      | 195                      | 19                     |
| 2526-08030        | 00000/0000                       | 2-2002R/0259     | 07/01/76         | 80             | 7329             | 5543N                                   | 03338E       | 52.0         | 138.3                              | GGGG                |                      | 195                      | 20                     |
| 2526-08033        | 00000/0000                       | 2-2002R/0260     | 07/01/76         | 90             | 7329             | 5419N                                   | 03251E       | 52.8         | 136.1                              | GGGG                |                      | 195                      | 21                     |
| 2526-08035        | 00000/0000                       | 2-2002R/0261     | 07/01/76         | 60             | 7329             | 5256N                                   | 03106E       | 53.5         | 133.9                              | GGGG                |                      | 195                      | 22                     |
| 2526-08044        | 00000/0000                       | 2-2002R/0262     | 07/01/76         | 10             | 7329             | 5007N                                   | 03044E       | 54.8         | 129.5                              | GGGG                |                      | 195                      | 23                     |
| 2526-08051        | 00000/0000                       | 2-2002R/0263     | 07/01/76         | 0              | 7329             | 4843N                                   | 03006E       | 55.4         | 127.2                              | GGGG                |                      | 195                      | 25                     |
| 2526-08053        | 00000/0000                       | 2-2002R/0264     | 07/01/76         | 0              | 7329             | 4718N                                   | 02929E       | 56.0         | 124.8                              | GGGG                |                      | 195                      | 26                     |
| 2526-08060        | 00000/0000                       | 2-2002R/0265     | 07/01/76         | 10             | 7329             | 4553N                                   | 02854E       | 56.5         | 122.4                              | GGGG                |                      | 195                      | 27                     |
| 2526-08062        | 00000/0000                       | 2-2002R/0266     | 07/01/76         | 10             | 7329             | 4429N                                   | 02820E       | 56.9         | 120.0                              | GGGG                |                      | 195                      | 28                     |
| 2526-08065        | 00000/0000                       | 2-2002R/0267     | 07/01/76         | 10             | 7329             | 4304N                                   | 02748E       | 57.3         | 117.6                              | GGGG                |                      | 195                      | 29                     |
| 2526-13341        | 00000/0000                       | 2-2002R/0268     | 07/01/76         | 20             | 7332             | 1713S                                   | 06514W       | 32.0         | 47.3                               | GGGG                |                      | 195                      | 30                     |
| 2526-16404        | 00000/0000                       | 2-2002R/0472     | 07/01/76         | 10             | 7334             | 5133N                                   | 09742W       | 54.1         | 131.8                              | GGGG                |                      | 249                      | 72                     |
| 2526-18133        | 2-20033/0078                     | 00000/0000       | 07/01/76         | 40             | 7335             | 8059N                                   | 05159W       | 29.8         | 223.4                              | GGG                 |                      | 34                       | 24                     |
| 2526-18140        | 2-20033/0079                     | 00000/0000       | 07/01/76         | 50             | 7335             | 8038N                                   | 06055W       | 31.0         | 214.3                              | GGG                 |                      | 41                       | 246                    |
| 2526-18142        | 2-20033/0080                     | 00000/0000       | 07/01/76         | 30             | 7335             | 8004N                                   | 06901W       | 32.1         | 206.0                              | GGG                 |                      | 35                       | 248                    |
| 2526-18145        | 2-20033/0081                     | 00000/0000       | 07/01/76         | 30             | 7335             | 7921N                                   | 07609W       | 33.3         | 198.5                              | GGG                 |                      | 53                       | 1                      |
| 2526-18151        | 2-20033/0082                     | 00000/0000       | 07/01/76         | 70             | 7335             | 7800N                                   | 08218W       | 34.4         | 192.0                              | GGG                 |                      | 53                       | 2                      |
| 2526-18260        | 00000/0000                       | 2-2002R/0525     | 07/01/76         | 70             | 7335             | 4400N                                   | 12632W       | 56.9         | 120.1                              | GGG                 |                      | 53                       | 3                      |
| 2526-18262        | 00000/0000                       | 2-2002R/0526     | 07/01/76         | 40             | 7335             | 4304N                                   | 12704W       | 57.3         | 117.6                              | GGGG                |                      | 52                       | 29                     |
| 2526-23582        | 00000/0000                       | 2-2002R/0511     | 07/01/76         | 90             | 7338             | 3249S                                   | 13538E       | 19.0         | 44.2                               | GGGG                |                      | 52                       | 30                     |
| 2527-01175        | 00000/0000                       | 2-2002R/0512     | 07/02/76         | 70             | 7339             | 4842N                                   | 13155E       | 55.3         | 127.1                              | GGGG                |                      | 106                      | 83                     |
| 2527-01181        | 00000/0000                       | 2-2002R/0513     | 07/02/76         | 90             | 7339             | 4718N                                   | 13119E       | 55.9         | 124.8                              | GGGG                |                      | 124                      | 26                     |
| 2527-01184        | 00000/0000                       | 2-2002R/0514     | 07/02/76         | 40             | 7339             | 4584N                                   | 13044E       | 56.4         | 122.4                              | GGGG                |                      | 124                      | 27                     |
| 2527-01190        | 00000/0000                       | 2-2002R/0515     | 07/02/76         | 30             | 7339             | 4428N                                   | 13011E       | 56.9         | 120.0                              | GGGG                |                      | 124                      | 28                     |
| 2527-01193        | 00000/0000                       | 2-2002R/0516     | 07/02/76         | 50             | 7339             | 4302N                                   | 12938E       | 57.3         | 117.6                              | GGGG                |                      | 124                      | 29                     |
| 2527-01195        | 00000/0000                       | 2-2002R/0517     | 07/02/76         | 70             | 7339             | 4138N                                   | 12907E       | 57.6         | 115.1                              | GGGG                |                      | 124                      | 30                     |
| 2527-01272        | 00000/0000                       | 2-2002R/0518     | 07/02/76         | 20             | 7339             | 1552N                                   | 12147E       | 54.2         | 72.4                               | GGGG                |                      | 124                      | 31                     |
| 2527-01275        | 00000/0000                       | 2-2002R/0519     | 07/02/76         | 60             | 7339             | 1426N                                   | 12126E       | 53.5         | 70.6                               | GGGG                |                      | 124                      | 49                     |
| 2527-01281        | 00000/0000                       | 2-2002R/0520     | 07/02/76         | 60             | 7339             | 1300N                                   | 12105E       | 52.8         | 68.9                               | GGGG                |                      | 124                      | 50                     |
| 2527-01284        | 00000/0000                       | 2-2002R/0521     | 07/02/76         | 50             | 7339             | 1133N                                   | 12045E       | 52.1         | 67.2                               | GGGG                |                      | 124                      | 51                     |
|                   |                                  |                  |                  |                |                  |                                         |              |              |                                    |                     |                      | 124                      | 52                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2527-01290        | 00000/0000                                     | 2-2002R/0522     | 07/02/76       | 5n              | 7339                               | 1006N                               | 12024E       | 51.3         | 65.6              | GGGG                |                      | 124                     | 53                     |
| 2527-01293        | 00000/0000                                     | 2-2002R/0523     | 07/02/76       | 3n              | 7339                               | 0839N                               | 12004E       | 50.5         | 64.1              | GGGG                |                      | 124                     | 54                     |
| 2527-01295        | 00000/0000                                     | 2-2002R/0524     | 07/02/76       | 2n              | 7339                               | 0713N                               | 11944E       | 49.6         | 62.6              | GGGG                |                      | 124                     | 55                     |
| 2527-02592        | 00000/0000                                     | 2-2002R/0591     | 07/02/76       | 3n              | 7340                               | 5419N                               | 10848E       | 52.7         | 136.1             | GGGG                |                      | 142                     | 22                     |
| 2527-02595        | 00000/0000                                     | 2-2002R/0592     | 07/02/76       | 6n              | 7340                               | 5255N                               | 10804E       | 53.4         | 133.9             | GGGG                |                      | 142                     | 23                     |
| 2527-03001        | 00000/0000                                     | 2-2002R/0593     | 07/02/76       | 8n              | 7340                               | 5111N                               | 10722E       | 54.1         | 131.7             | GGGG                |                      | 142                     | 24                     |
| 2527-03004        | 00000/0000                                     | 2-2002R/0594     | 07/02/76       | 9n              | 7340                               | 5006N                               | 10642E       | 54.7         | 129.4             | GGGG                |                      | 142                     | 25                     |
| 2527-03045        | 00000/0000                                     | 2-2002R/0527     | 07/02/76       | 6n              | 7340                               | 3556N                               | 10125E       | 58.5         | 104.9             | GGGG                |                      | 142                     | 35                     |
| 2527-03051        | 00000/0000                                     | 2-2002R/0528     | 07/02/76       | 9n              | 7340                               | 3430N                               | 10059E       | 58.5         | 102.3             | GGGG                |                      | 142                     | 36                     |
| 2527-03054        | 00000/0000                                     | 2-2002R/0529     | 07/02/76       | 9n              | 7340                               | 3305N                               | 10033E       | 58.6         | 99.8              | GGGG                |                      | 142                     | 37                     |
| 2527-04412        | 00000/0000                                     | 2-2002R/0530     | 07/02/76       | 9n              | 7341                               | 5831N                               | 08534E       | 50.3         | 142.6             | GGGG                |                      | 160                     | 19                     |
| 2527-04415        | 00000/0000                                     | 2-2002R/0531     | 07/02/76       | 9n              | 7341                               | 5788N                               | 08440E       | 51.1         | 140.5             | GGGG                |                      | 160                     | 20                     |
| 2527-04421        | 00000/0000                                     | 2-2002R/0532     | 07/02/76       | 7n              | 7341                               | 5545N                               | 08350E       | 51.9         | 138.3             | GGGG                |                      | 160                     | 21                     |
| 2527-04424        | 00000/0000                                     | 2-2002R/0533     | 07/02/76       | 3n              | 7341                               | 5422N                               | 08303E       | 52.7         | 136.2             | GGGG                |                      | 160                     | 22                     |
| 2527-04430        | 00000/0000                                     | 2-2002R/0534     | 07/02/76       | 1n              | 7341                               | 5257N                               | 08218E       | 53.4         | 134.0             | GGGG                |                      | 160                     | 23                     |
| 2527-04433        | 00000/0000                                     | 2-2002R/0573     | 07/02/76       | 4n              | 7341                               | 5133N                               | 08136E       | 54.1         | 131.8             | GGGG                |                      | 160                     | 24                     |
| 2527-04435        | 00000/0000                                     | 2-2002R/0674     | 07/02/76       | 4n              | 7341                               | 5010N                               | 08056E       | 54.7         | 129.5             | GGGG                |                      | 160                     | 25                     |
| 2527-04442        | 00000/0000                                     | 2-2002R/0675     | 07/02/76       | 3n              | 7341                               | 4845N                               | 08017E       | 55.3         | 127.2             | GGGG                |                      | 160                     | 26                     |
| 2527-04444        | 00000/0000                                     | 2-2002R/0676     | 07/02/76       | 2n              | 7341                               | 4721N                               | 07940E       | 55.9         | 124.9             | GGGG                |                      | 160                     | 27                     |
| 2527-04451        | 00000/0000                                     | 2-2002R/0566     | 07/02/76       | 2n              | 7341                               | 4556N                               | 07905E       | 56.4         | 122.5             | GGGG                |                      | 160                     | 28                     |
| 2527-04453        | 00000/0000                                     | 2-2002R/0567     | 07/02/76       | 7n              | 7341                               | 4431N                               | 07832E       | 56.8         | 120.1             | GGGG                |                      | 160                     | 29                     |
| 2527-04460        | 00000/0000                                     | 2-2002R/0568     | 07/02/76       | 6n              | 7341                               | 4306N                               | 07800E       | 57.3         | 117.6             | GGGG                |                      | 160                     | 30                     |
| 2527-04462        | 00000/0000                                     | 2-2002R/0569     | 07/02/76       | 7n              | 7341                               | 4141N                               | 07728E       | 57.6         | 115.2             | GGGG                |                      | 160                     | 31                     |
| 2527-04465        | 00000/0000                                     | 2-2002R/0570     | 07/02/76       | 2n              | 7341                               | 4015N                               | 07659E       | 57.9         | 112.7             | GGGG                |                      | 160                     | 32                     |
| 2527-04471        | 00000/0000                                     | 2-2002R/0571     | 07/02/76       | 1n              | 7341                               | 3850N                               | 07630E       | 58.2         | 110.1             | GGGG                |                      | 160                     | 33                     |
| 2527-04474        | 00000/0000                                     | 2-2002R/0572     | 07/02/76       | 2n              | 7341                               | 3724N                               | 07602E       | 58.3         | 107.0             | GGGG                |                      | 160                     | 34                     |
| 2527-06241        | 00000/0000                                     | 2-2002R/0573     | 07/02/76       | 3n              | 7342                               | 5954N                               | 06041E       | 49.5         | 144.7             | GGGG                |                      | 178                     | 18                     |
| 2527-06244        | 00000/0000                                     | 2-2002R/0574     | 07/02/76       | 7n              | 7342                               | 5831N                               | 05943E       | 50.3         | 142.6             | GGGG                |                      | 178                     | 19                     |
| 2527-06250        | 00000/0000                                     | 2-2002R/0575     | 07/02/76       | 9n              | 7342                               | 5708N                               | 05850E       | 51.1         | 140.5             | GGGG                |                      | 178                     | 20                     |
| 2527-06253        | 00000/0000                                     | 2-2002R/0576     | 07/02/76       | 9n              | 7342                               | 5545N                               | 05800E       | 51.9         | 138.3             | GGGG                |                      | 178                     | 21                     |
| 2527-06255        | 00000/0000                                     | 2-2002R/0577     | 07/02/76       | 10n             | 7342                               | 5421N                               | 05713E       | 52.7         | 136.2             | GGGG                |                      | 178                     | 22                     |
| 2527-06262        | 00000/0000                                     | 2-2002R/0578     | 07/02/76       | 9n              | 7342                               | 5257N                               | 05628E       | 53.4         | 134.0             | GGGG                |                      | 178                     | 23                     |
| 2527-06264        | 00000/0000                                     | 2-2002R/0579     | 07/02/76       | 7n              | 7342                               | 5133N                               | 05546E       | 54.1         | 131.8             | GGGG                |                      | 178                     | 24                     |
| 2527-06271        | 00000/0000                                     | 2-2002R/0580     | 07/02/76       | 4n              | 7342                               | 5008N                               | 05506E       | 54.7         | 129.5             | GGGG                |                      | 178                     | 25                     |
| 2527-06273        | 00000/0000                                     | 2-2002R/0581     | 07/02/76       | 3n              | 7342                               | 4844N                               | 05428E       | 55.3         | 127.2             | GGGG                |                      | 178                     | 26                     |
| 2527-06300        | 00000/0000                                     | 2-2002R/0582     | 07/02/76       | 2n              | 7342                               | 4014N                               | 05110E       | 57.9         | 112.6             | GGGG                |                      | 178                     | 32                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|---------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2527-08062        | 00000/0000                   | 2-2002R/0677                | 07/02/76         | 90            | 7343            | 6400N                        | 03R17E        | 46.7         | 151.2        | GGGG                               |                     |                      | 196                     | 15                     |
| 2527-08064        | 00000/0000                   | 2-2002R/0678                | 07/02/76         | 90            | 7343            | 6238N                        | 03704E        | 47.7         | 149.0        | GGGG                               |                     |                      | 196                     | 16                     |
| 2527-08071        | 00000/0000                   | 2-2002R/0679                | 07/02/76         | 90            | 7343            | 6116N                        | 03557E        | 48.6         | 146.9        | GGGG                               |                     |                      | 196                     | 17                     |
| 2527-08073        | 00000/0000                   | 2-2002R/0680                | 07/02/76         | 90            | 7343            | 5953N                        | 03455E        | 49.5         | 144.7        | GGGF                               |                     |                      | 196                     | 18                     |
| 2527-08080        | 00000/0000                   | 2-2002R/0681                | 07/02/76         | 90            | 7343            | 5831N                        | 03358E        | 50.3         | 142.6        | GGGF                               |                     |                      | 196                     | 19                     |
| 2527-08082        | 00000/0000                   | 2-2002R/0682                | 07/02/76         | 90            | 7343            | 5708N                        | 03304E        | 51.1         | 140.5        | GGGF                               |                     |                      | 196                     | 20                     |
| 2527-08085        | 00000/0000                   | 2-2002R/0683                | 07/02/76         | 80            | 7343            | 5545N                        | 03214E        | 51.9         | 138.3        | GGGG                               |                     |                      | 196                     | 21                     |
| 2527-08091        | 00000/0000                   | 2-2002R/0655                | 07/02/76         | 60            | 7343            | 5421N                        | 03126E        | 52.7         | 136.2        | FF                                 |                     |                      | 196                     | 22                     |
| 2527-08094        | 00000/0000                   | 2-2002R/0656                | 07/02/76         | 60            | 7343            | 5257N                        | 03041E        | 53.4         | 134.0        | GGGG                               |                     |                      | 196                     | 23                     |
| 2527-08100        | 00000/0000                   | 2-2002R/0657                | 07/02/76         | 50            | 7343            | 5133N                        | 02959E        | 54.1         | 131.7        | GGGG                               |                     |                      | 196                     | 24                     |
| 2527-08103        | 00000/0000                   | 2-2002R/0658                | 07/02/76         | 40            | 7343            | 5009N                        | 02919E        | 54.7         | 129.5        | GGGG                               |                     |                      | 196                     | 25                     |
| 2527-08106        | 00000/0000                   | 2-2002R/0659                | 07/02/76         | 30            | 7343            | 4844N                        | 02841E        | 55.3         | 127.2        | GGGG                               |                     |                      | 196                     | 26                     |
| 2527-08112        | 00000/0000                   | 2-2002R/0660                | 07/02/76         | 20            | 7343            | 4720N                        | 02804E        | 55.9         | 124.9        | GGGG                               |                     |                      | 196                     | 27                     |
| 2527-08114        | 00000/0000                   | 2-2002R/0661                | 07/02/76         | 10            | 7343            | 4554N                        | 02729E        | 56.4         | 122.5        | GGGG                               |                     |                      | 196                     | 28                     |
| 2527-08121        | 00000/0000                   | 2-2002R/0662                | 07/02/76         | 10            | 7343            | 4429N                        | 02655E        | 56.8         | 120.1        | GGGG                               |                     |                      | 196                     | 29                     |
| 2527-08123        | 00000/0000                   | 2-2002R/0663                | 07/02/76         | 20            | 7343            | 4305N                        | 02623E        | 57.2         | 117.6        | GGGG                               |                     |                      | 196                     | 30                     |
| 2527-09455        | 00000/0000                   | 2-2002R/0664                | 07/02/76         | 70            | 7344            | 7527N                        | 03151E        | 57.6         | 177.1        | GGGG                               |                     |                      | 214                     | 6                      |
| 2527-14533        | 00000/0000                   | 2-2002R/0684                | 07/02/76         | 20            | 7347            | 8006N                        | 01R21W        | 32.0         | 206.4        | GGGG                               |                     |                      | 17                      | 1                      |
| 2527-16462        | 00000/0000                   | 2-2002R/0683                | 07/02/76         | 10            | 7348            | 5131N                        | 09907W        | 54.0         | 131.7        | GGGG                               |                     |                      | 35                      | 24                     |
| 2527-18191        | 2-20033/0683                 | 00000/0000                  | 07/02/76         | 30            | 7349            | 8059N                        | 05318W        | 29.8         | 223.5        | GGG                                |                     |                      | 42                      | 246                    |
| 2527-18194        | 2-20033/0684                 | 00000/0000                  | 07/02/76         | 30            | 7349            | 8039N                        | 04211W        | 30.9         | 214.4        | GGG                                |                     |                      | 35                      | 248                    |
| 2527-18200        | 2-20033/0685                 | 00000/0000                  | 07/02/76         | 60            | 7349            | 8006N                        | 07018W        | 32.0         | 206.1        | GGG                                |                     |                      | 53                      | 1                      |
| 2527-18203        | 2-20033/0686                 | 00000/0000                  | 07/02/76         | 80            | 7349            | 7923N                        | 07728W        | 33.2         | 198.6        | GG                                 |                     |                      | 53                      | 2                      |
| 2527-18205        | 2-20033/0687                 | 00000/0000                  | 07/02/76         | 70            | 7349            | 7831N                        | 08339W        | 34.3         | 192.0        | GGG                                |                     |                      | 53                      | 3                      |
| 2528-01230        | 00000/0000                   | 2-2002R/0635                | 07/03/76         | 20            | 7353            | 5008N                        | 13108E        | 54.6         | 129.5        | GGGG                               |                     |                      | 125                     | 25                     |
| 2528-01233        | 00000/0000                   | 2-2002R/0636                | 07/03/76         | 10            | 7353            | 4844N                        | 13030E        | 55.2         | 127.2        | GGGG                               |                     |                      | 125                     | 26                     |
| 2528-01235        | 00000/0000                   | 2-2002R/0637                | 07/03/76         | 10            | 7353            | 4720N                        | 12953E        | 55.8         | 124.9        | GGGG                               |                     |                      | 125                     | 27                     |
| 2528-01242        | 00000/0000                   | 2-2002R/0638                | 07/03/76         | 10            | 7353            | 4605N                        | 12918E        | 56.3         | 122.5        | GGGG                               |                     |                      | 125                     | 28                     |
| 2528-01244        | 00000/0000                   | 2-2002R/0639                | 07/03/76         | 30            | 7353            | 4431N                        | 12844E        | 56.8         | 120.1        | GGGG                               |                     |                      | 125                     | 29                     |
| 2528-01251        | 00000/0000                   | 2-2002R/0640                | 07/03/76         | 60            | 7353            | 4306N                        | 12812E        | 57.2         | 117.6        | GGGG                               |                     |                      | 125                     | 30                     |
| 2528-01253        | 00000/0000                   | 2-2002R/0641                | 07/03/76         | 90            | 7353            | 4140N                        | 12741E        | 57.5         | 115.2        | GGGG                               |                     |                      | 125                     | 31                     |
| 2528-01330        | 00000/0000                   | 2-2002R/0642                | 07/03/76         | 50            | 7353            | 1553N                        | 12021E        | 54.2         | 72.6         | GGGG                               |                     |                      | 125                     | 49                     |
| 2528-01333        | 00000/0000                   | 2-2002R/0643                | 07/03/76         | 40            | 7353            | 1427N                        | 12000E        | 53.5         | 70.8         | GGGG                               |                     |                      | 125                     | 50                     |
| 2528-01335        | 00000/0000                   | 2-2002R/0644                | 07/03/76         | 20            | 7353            | 1300N                        | 11939E        | 52.8         | 69.0         | GGGG                               |                     |                      | 125                     | 51                     |
| 2528-03042        | 00000/0000                   | 2-2002R/0795                | 07/03/76         | 90            | 7354            | 5727N                        | 10900E        | 51.1         | 140.4        | GGGG                               |                     |                      | 143                     | 20                     |
| 2528-03044        | 00000/0000                   | 2-2002R/0796                | 07/03/76         | 90            | 7354            | 5544N                        | 10810E        | 51.8         | 138.3        | GGGG                               |                     |                      | 143                     | 21                     |

KEYS: CLUD COVER % ..... 0 TO 100 = % CLUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
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| OBSERVATION ID | MICROFILM REEL NO. / POSITION IN REEL RBV | DATE ACQUIRED | CLOUD COVER | ORBIT NUMBER | PRINCIPAL OF IMAGE LAT | PRINT LANG | SUN FLEV. | SUN AZIM. | IMAGE-QUAL RBV | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME ROW NUMBER |
|----------------|-------------------------------------------|---------------|-------------|--------------|------------------------|------------|-----------|-----------|----------------|---------------|----------------|-------------------|------------------|
| 2528-03051     | 00000/0000                                | 2-2002R/0797  | 07/03/76    | 90           | 7354                   | 5420N      | 10723E    | 52.6      | 136.1          | GGGG          |                | 143               | 22               |
| 2528-03053     | 00000/0000                                | 2-2002R/0798  | 07/03/76    | 80           | 7354                   | 5246N      | 10639E    | 53.3      | 133.9          | GGGG          |                | 143               | 23               |
| 2528-03060     | 00000/0000                                | 2-2002R/0799  | 07/03/76    | 40           | 7354                   | 5132N      | 10557E    | 54.0      | 131.7          | GGGG          |                | 143               | 24               |
| 2528-03062     | 00000/0000                                | 2-2002R/0800  | 07/03/76    | 10           | 7354                   | 5008N      | 10517E    | 54.6      | 129.5          | GGGG          |                | 143               | 25               |
| 2528-03094     | 00000/0000                                | 2-2002R/0801  | 07/03/76    | 50           | 7354                   | 3849N      | 10052E    | 58.1      | 110.1          | GGGG          |                | 143               | 33               |
| 2528-03101     | 00000/0000                                | 2-2002R/0802  | 07/03/76    | 80           | 7354                   | 3723N      | 10024E    | 58.3      | 107.6          | GGGG          |                | 143               | 34               |
| 2528-03103     | 00000/0000                                | 2-2002R/0803  | 07/03/76    | 90           | 7354                   | 3557N      | 09958E    | 58.4      | 105.0          | GGGG          |                | 143               | 35               |
| 2528-03110     | 00000/0000                                | 2-2002R/0804  | 07/03/76    | 90           | 7354                   | 3432N      | 09932E    | 58.5      | 102.5          | GGGG          |                | 143               | 36               |
| 2528-04471     | 00000/0000                                | 2-2002R/0601  | 07/03/76    | 40           | 7355                   | 5830N      | 08407E    | 50.2      | 142.5          | GGGG          |                | 161               | 19               |
| 2528-04473     | 00000/0000                                | 2-2002R/0602  | 07/03/76    | 60           | 7355                   | 5707N      | 08313E    | 51.1      | 140.4          | GGGG          |                | 161               | 20               |
| 2528-04480     | 00000/0000                                | 2-2002R/0603  | 07/03/76    | 30           | 7355                   | 5544N      | 08223E    | 51.8      | 138.3          | GGGG          |                | 161               | 21               |
| 2528-04482     | 00000/0000                                | 2-2002R/0604  | 07/03/76    | 30           | 7355                   | 5420N      | 08136E    | 52.6      | 136.1          | GGGG          |                | 161               | 22               |
| 2528-04485     | 00000/0000                                | 2-2002R/0605  | 07/03/76    | 20           | 7355                   | 5256N      | 08051E    | 53.3      | 133.9          | GGGG          |                | 161               | 23               |
| 2528-04491     | 00000/0000                                | 2-2002R/0606  | 07/03/76    | 40           | 7355                   | 5132N      | 08008E    | 54.0      | 131.7          | GGGG          |                | 161               | 24               |
| 2528-04494     | 00000/0000                                | 2-2002R/0607  | 07/03/76    | 60           | 7355                   | 5008N      | 07928E    | 54.6      | 129.5          | GGGG          |                | 161               | 25               |
| 2528-04500     | 00000/0000                                | 2-2002R/0608  | 07/03/76    | 80           | 7355                   | 4843N      | 07850E    | 55.2      | 127.2          | GGGG          |                | 161               | 26               |
| 2528-04503     | 00000/0000                                | 2-2002R/0584  | 07/03/76    | 50           | 7355                   | 4719N      | 07813E    | 55.8      | 124.8          | GGGG          |                | 161               | 27               |
| 2528-04505     | 00000/0000                                | 2-2002R/0585  | 07/03/76    | 30           | 7355                   | 4553N      | 07739E    | 56.3      | 122.5          | GGGG          |                | 161               | 28               |
| 2528-04512     | 00000/0000                                | 2-2002R/0586  | 07/03/76    | 30           | 7355                   | 4428N      | 07705E    | 56.8      | 120.1          | GGGG          |                | 161               | 29               |
| 2528-04514     | 00000/0000                                | 2-2002R/0587  | 07/03/76    | 30           | 7355                   | 4304N      | 07633E    | 57.2      | 117.6          | GGGG          |                | 161               | 30               |
| 2528-06300     | 00000/0000                                | 2-2002R/0588  | 07/03/76    | 70           | 7356                   | 5952N      | 05913E    | 49.4      | 144.7          | GGGG          |                | 179               | 18               |
| 2528-06302     | 00000/0000                                | 2-2002R/0589  | 07/03/76    | 70           | 7356                   | 5830N      | 05816E    | 50.2      | 142.5          | GGGG          |                | 179               | 19               |
| 2528-06305     | 00000/0000                                | 2-2002R/0590  | 07/03/76    | 80           | 7356                   | 5707N      | 05723E    | 51.0      | 140.4          | GGGG          |                | 179               | 20               |
| 2528-06311     | 00000/0000                                | 2-2002R/0591  | 07/03/76    | 90           | 7356                   | 5543N      | 05633E    | 51.8      | 138.3          | GGGG          |                | 179               | 21               |
| 2528-06314     | 00000/0000                                | 2-2002R/0592  | 07/03/76    | 80           | 7356                   | 5419N      | 05546E    | 52.6      | 136.1          | GGGG          |                | 179               | 22               |
| 2528-06320     | 00000/0000                                | 2-2002R/0593  | 07/03/76    | 70           | 7356                   | 5295N      | 05501E    | 53.3      | 133.9          | GGGG          |                | 179               | 23               |
| 2528-06323     | 00000/0000                                | 2-2002R/0594  | 07/03/76    | 60           | 7356                   | 5132N      | 05419E    | 54.0      | 131.7          | GGGG          |                | 179               | 24               |
| 2528-06325     | 00000/0000                                | 2-2002R/0595  | 07/03/76    | 50           | 7356                   | 5008N      | 05339E    | 54.6      | 129.5          | GGGG          |                | 179               | 25               |
| 2528-06332     | 00000/0000                                | 2-2002R/0596  | 07/03/76    | 50           | 7356                   | 4842N      | 05301E    | 55.2      | 127.2          | GGGG          |                | 179               | 26               |
| 2528-06355     | 00000/0000                                | 2-2002R/0597  | 07/03/76    | 20           | 7356                   | 4013N      | 04943E    | 57.8      | 112.7          | GGGG          |                | 179               | 32               |
| 2528-06361     | 00000/0000                                | 2-2002R/0598  | 07/03/76    | 20           | 7356                   | 3848N      | 04915E    | 58.1      | 110.1          | GGGG          |                | 179               | 33               |
| 2528-06375     | 00000/0000                                | 2-2002R/0599  | 07/03/76    | 0            | 7356                   | 3306N      | 04727E    | 58.5      | 99.9           | GGGG          |                | 179               | 37               |
| 2528-06382     | 00000/0000                                | 2-2002R/0600  | 07/03/76    | 0            | 7356                   | 3140N      | 04702E    | 58.4      | 97.4           | GGGG          |                | 179               | 38               |
| 2528-08120     | 00000/0000                                | 2-2002R/0609  | 07/03/76    | 90           | 7357                   | 6358N      | 03644E    | 46.7      | 151.1          | GGGG          |                | 197               | 15               |
| 2528-08122     | 00000/0000                                | 2-2002R/0610  | 07/03/76    | 60           | 7357                   | 6236N      | 03532E    | 47.6      | 148.9          | GGGG          |                | 197               | 16               |
| 2528-08125     | 00000/0000                                | 2-2002R/0611  | 07/03/76    | 50           | 7357                   | 6114N      | 03426E    | 48.5      | 146.8          | GGGG          |                | 197               | 17               |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 25, 1977

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>REEL | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>POINT<br>OF IMAGE | SUN<br>FLV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------|------------------|----------------|-----------------|--------------------------------|-------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                                  |                  |                |                 | LAT<br>LONG                    |             |              | 123 45678             |                     |                      |                         |                        |
| 2528-08131        | 00000/0000                       | 2-20028/0612     | 07/03/76       | 20              | 7357 5952N                     | 03324E      | 49.4 144.6   |                       |                     |                      |                         |                        |
| 2528-08140        | 00000/0000                       | 2-20028/0613     | 07/03/76       | 60              | 7357 5706N                     | 03133E      | 51.0 140.4   | GGGG                  |                     |                      | 197                     | 18                     |
| 2528-08143        | 00000/0000                       | 2-20028/0643     | 07/03/76       | 50              | 7357 5543N                     | 03043E      | 51.8 138.2   | GGGG                  |                     |                      | 197                     | 20                     |
| 2528-08145        | 00000/0000                       | 2-20028/0644     | 07/03/76       | 90              | 7357 5419N                     | 02955E      | 52.6 136.1   | GGGG                  |                     |                      | 197                     | 21                     |
| 2528-08152        | 00000/0000                       | 2-20028/0645     | 07/03/76       | 50              | 7357 5255N                     | 02911E      | 53.3 133.9   | GGGG                  |                     |                      | 197                     | 22                     |
| 2528-08154        | 00000/0000                       | 2-20028/0646     | 07/03/76       | 10              | 7357 5121N                     | 02829E      | 54.0 131.7   | GGGG                  |                     |                      | 197                     | 23                     |
| 2528-08161        | 00000/0000                       | 2-20028/0647     | 07/03/76       | 10              | 7357 5006N                     | 02749E      | 54.6 129.4   | GGGG                  |                     |                      | 197                     | 24                     |
| 2528-08163        | 00000/0000                       | 2-20028/0648     | 07/03/76       | 10              | 7357 4842N                     | 02711E      | 55.2 127.2   | GGGG                  |                     |                      | 197                     | 25                     |
| 2528-08170        | 00000/0000                       | 2-20028/0649     | 07/03/76       | 10              | 7357 4717N                     | 02634E      | 55.8 124.8   | GGGG                  |                     |                      | 197                     | 26                     |
| 2528-08172        | 00000/0000                       | 2-20028/0650     | 07/03/76       | 10              | 7357 4553N                     | 02500E      | 56.3 122.5   | GGGG                  |                     |                      | 197                     | 27                     |
| 2528-08175        | 00000/0000                       | 2-20028/0651     | 07/03/76       | 10              | 7357 4428N                     | 02526E      | 56.8 120.1   | GGGG                  |                     |                      | 197                     | 28                     |
| 2528-08181        | 00000/0000                       | 2-20028/0652     | 07/03/76       | 20              | 7357 4303N                     | 02454E      | 57.2 117.6   | GGGG                  |                     |                      | 197                     | 29                     |
| 2528-09513        | 00000/0000                       | 2-20028/0655     | 07/03/76       | 90              | 7358 7526N                     | 03021E      | 37.5 177.0   | GGGG                  |                     |                      | 197                     | 30                     |
| 2528-09542        | 00000/0000                       | 2-20028/0646     | 07/03/76       | 90              | 7358 6640N                     | 01348E      | 44.8 155.7   | GGGG                  |                     |                      | 215                     | 6                      |
| 2528-09545        | 00000/0000                       | 2-20028/0647     | 07/03/76       | 90              | 7358 6519N                     | 01220E      | 45.7 153.4   | GGGG                  |                     |                      | 215                     | 13                     |
| 2528-11324        | 00000/0000                       | 2-20028/0648     | 07/03/76       | 20              | 7359 8006N                     | 03219E      | 31.9 206.6   | GGGG                  |                     |                      | 233                     | 1                      |
| 2528-11330        | 00000/0000                       | 2-20028/0649     | 07/03/76       | 20              | 7359 7925N                     | 02506E      | 33.0 199.1   | GGGG                  |                     |                      | 233                     | 2                      |
| 2528-11333        | 00000/0000                       | 2-20028/0650     | 07/03/76       | 20              | 7359 7824N                     | 01846E      | 34.2 192.4   | GGGG                  |                     |                      | 233                     | 3                      |
| 2528-11335        | 00000/0000                       | 2-20028/0651     | 07/03/76       | 90              | 7359 7747N                     | 01321E      | 35.3 186.6   | GGGG                  |                     |                      | 233                     | 4                      |
| 2528-11342        | 00000/0000                       | 2-20028/0652     | 07/03/76       | 90              | 7359 7625N                     | 00845E      | 36.4 181.6   | GGGG                  |                     |                      | 233                     | 5                      |
| 2528-11583        | 00000/0000                       | 2-20028/0653     | 07/03/76       | 50              | 7359 0414S                     | 03914W      | 41.9 53.7    | GGGG                  |                     |                      | 233                     | 63                     |
| 2528-13421        | 00000/0000                       | 2-20028/0654     | 07/03/76       | 10              | 7360 0541S                     | 06523W      | 40.9 52.8    | GGGG                  |                     |                      | 251                     | 64                     |
| 2528-13424        | 00000/0000                       | 2-20028/0655     | 07/03/76       | 20              | 7360 0747S                     | 06543W      | 39.8 52.0    | GGGG                  |                     |                      | 251                     | 65                     |
| 2528-14591        | 00000/0000                       | 2-20028/0656     | 07/03/76       | 20              | 7361 8006N                     | 01928W      | 31.9 206.5   | GGGG                  |                     |                      | 18                      | 1                      |
| 2528-15091        | 00000/0000                       | 2-20028/0657     | 07/03/76       | 20              | 7361 5089N                     | 07521W      | 54.6 129.5   | GG                    |                     |                      | 18                      | 25                     |
| 2528-16520        | 00000/0000                       | 2-20028/0658     | 07/03/76       | 30              | 7362 5123N                     | 10032W      | 53.9 131.7   | GGGG                  |                     |                      | 36                      | 24                     |
| 2528-18245        | 2-20033/0088                     | 00000/0000       | 07/03/76       | 80              | 7363 8058N                     | 05429W      | 29.7 223.7   | GGG                   |                     |                      | 43                      | 246                    |
| 2528-18252        | 2-20033/0089                     | 00000/0000       | 07/03/76       | 90              | 7363 8037N                     | 06320W      | 30.8 214.5   | GG                    |                     |                      | 36                      | 248                    |
| 2528-18254        | 2-20033/0090                     | 00000/0000       | 07/03/76       | 90              | 7363 8015N                     | 07124W      | 31.9 206.1   | GGG                   |                     |                      | 54                      | 1                      |
| 2528-18261        | 2-20033/0091                     | 00000/0000       | 07/03/76       | 70              | 7363 7923N                     | 07836W      | 33.1 198.7   | GGG                   |                     |                      | 54                      | 2                      |
| 2528-18263        | 2-20033/0092                     | 00000/0000       | 07/03/76       | 30              | 7367 5125N                     | 05453W      | 34.2 192.1   | GGG                   |                     |                      | 54                      | 3                      |
| 2529-01282        | 00000/0000                       | 2-20028/0613     | 07/04/76       | 10              | 7367 5011N                     | 13022E      | 53.9 131.8   | GGGG                  |                     |                      | 126                     | 24                     |
| 2529-01284        | 00000/0000                       | 2-20028/0615     | 07/04/76       | 10              | 7367 4847N                     | 12943E      | 54.5 129.5   | GGGG                  |                     |                      | 126                     | 25                     |
| 2529-01291        | 00000/0000                       | 2-20028/0616     | 07/04/76       | 10              | 7367 4722N                     | 12829E      | 55.7 124.9   | GGGG                  |                     |                      | 126                     | 26                     |
| 2529-01294        | 00000/0000                       | 2-20028/0617     | 07/04/76       | 10              | 7367 4557N                     | 12754E      | 56.2 122.6   | GGGG                  |                     |                      | 126                     | 27                     |
| 2529-01300        | 00000/0000                       | 2-20028/0618     | 07/04/76       | 10              |                                |             |              | GGGG                  |                     |                      | 126                     | 28                     |

KEYS: CLOUD COVER 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>RAV | RAIL NR./<br>IN RAIL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SARBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RAV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|---------------------------------|-----------------------------|------------------|----------------|------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2529-01303        | 00000/0000                      | 2-2002R/0619                | 07/04/76         | 10             | 7367             | 4432N                        | 12720E        | 56.7         | 120.2        | GGGG                               |                     |                      | 126                     | 29                     |
| 2529-01312        | 00000/0000                      | 2-2002R/0656                | 07/04/76         | 10             | 7367             | 4142N                        | 12616E        | 57.4         | 115.3        | GGGG                               |                     |                      | 126                     | 31                     |
| 2529-01314        | 00000/0000                      | 2-2002R/0657                | 07/04/76         | 20             | 7367             | 4016N                        | 12546E        | 57.7         | 112.8        | GGGG                               |                     |                      | 126                     | 32                     |
| 2529-03100        | 00000/0000                      | 2-2002R/0340                | 07/04/76         | 30             | 7368             | 5709N                        | 10736E        | 50.9         | 140.4        | GGGG                               |                     |                      | 144                     | 20                     |
| 2529-03102        | 00000/0000                      | 2-2002R/0341                | 07/04/76         | 50             | 7368             | 5546N                        | 10646E        | 51.7         | 138.3        | GGGG                               |                     |                      | 144                     | 21                     |
| 2529-03105        | 00000/0000                      | 2-2002R/0342                | 07/04/76         | 90             | 7368             | 5422N                        | 10558E        | 52.5         | 136.1        | GGGG                               |                     |                      | 144                     | 22                     |
| 2529-03111        | 00000/0000                      | 2-2002R/0343                | 07/04/76         | 90             | 7368             | 5258N                        | 10513E        | 53.2         | 134.0        | GGGG                               |                     |                      | 144                     | 23                     |
| 2529-03152        | 00000/0000                      | 2-2002R/0344                | 07/04/76         | 20             | 7368             | 3849N                        | 09927E        | 58.0         | 110.2        | GGGG                               |                     |                      | 144                     | 33                     |
| 2529-03155        | 00000/0000                      | 2-2002R/0345                | 07/04/76         | 40             | 7368             | 3724N                        | 09859E        | 58.2         | 107.7        | GGGG                               |                     |                      | 144                     | 34                     |
| 2529-03161        | 00000/0000                      | 2-2002R/0346                | 07/04/76         | 70             | 7368             | 3589N                        | 09833E        | 58.3         | 105.2        | GGGG                               |                     |                      | 144                     | 35                     |
| 2529-04531        | 00000/0000                      | 2-2002R/0627                | 07/04/76         | 40             | 7369             | 5708N                        | 08148E        | 50.9         | 140.4        | GGGG                               |                     |                      | 162                     | 20                     |
| 2529-04534        | 00000/0000                      | 2-2002R/0628                | 07/04/76         | 20             | 7369             | 5545N                        | 08058E        | 51.7         | 138.3        | GGGG                               |                     |                      | 162                     | 21                     |
| 2529-04540        | 00000/0000                      | 2-2002R/0629                | 07/04/76         | 20             | 7369             | 5421N                        | 08011E        | 52.5         | 136.1        | GGGG                               |                     |                      | 162                     | 22                     |
| 2529-04543        | 00000/0000                      | 2-2002R/0630                | 07/04/76         | 10             | 7369             | 5256N                        | 07926E        | 53.2         | 134.0        | GGGG                               |                     |                      | 162                     | 23                     |
| 2529-04545        | 00000/0000                      | 2-2002R/0631                | 07/04/76         | 10             | 7369             | 5132N                        | 07844E        | 53.9         | 131.8        | GGGG                               |                     |                      | 162                     | 24                     |
| 2529-04552        | 00000/0000                      | 2-2002R/0632                | 07/04/76         | 10             | 7369             | 5009N                        | 07804E        | 54.5         | 129.5        | GGGG                               |                     |                      | 162                     | 25                     |
| 2529-04554        | 00000/0000                      | 2-2002R/0633                | 07/04/76         | 10             | 7369             | 4846N                        | 07726E        | 55.1         | 127.2        | GGGG                               |                     |                      | 162                     | 26                     |
| 2529-04572        | 00000/0000                      | 2-2002R/0658                | 07/04/76         | 10             | 7369             | 4304N                        | 07509E        | 57.1         | 117.7        | GGGG                               |                     |                      | 162                     | 30                     |
| 2529-06354        | 00000/0000                      | 2-2002R/0659                | 07/04/76         | 80             | 7370             | 5954N                        | 05750E        | 49.3         | 144.7        | GGGG                               |                     |                      | 180                     | 18                     |
| 2529-06360        | 00000/0000                      | 2-2002R/0660                | 07/04/76         | 80             | 7370             | 5831N                        | 05652E        | 50.1         | 142.5        | GGGG                               |                     |                      | 180                     | 19                     |
| 2529-06363        | 00000/0000                      | 2-2002R/0661                | 07/04/76         | 70             | 7370             | 5708N                        | 05558E        | 50.9         | 140.4        | GGGG                               |                     |                      | 180                     | 20                     |
| 2529-06365        | 00000/0000                      | 2-2002R/0662                | 07/04/76         | 80             | 7370             | 5544N                        | 05508E        | 51.7         | 138.3        | GGGG                               |                     |                      | 180                     | 21                     |
| 2529-06372        | 00000/0000                      | 2-2002R/0663                | 07/04/76         | 80             | 7370             | 5421N                        | 05421E        | 52.5         | 136.1        | GGGG                               |                     |                      | 180                     | 22                     |
| 2529-06383        | 00000/0000                      | 2-2002R/0664                | 07/04/76         | 90             | 7370             | 5009N                        | 05214E        | 54.5         | 129.5        | GGGG                               |                     |                      | 180                     | 25                     |
| 2529-06390        | 00000/0000                      | 2-2002R/0665                | 07/04/76         | 70             | 7370             | 4844N                        | 05136E        | 55.1         | 127.2        | GGGG                               |                     |                      | 180                     | 26                     |
| 2529-06410        | 00000/0000                      | 2-2002R/0666                | 07/04/76         | 90             | 7370             | 4139N                        | 04848E        | 57.4         | 115.3        | GGGG                               |                     |                      | 180                     | 31                     |
| 2529-06413        | 00000/0000                      | 2-2002R/0667                | 07/04/76         | 90             | 7370             | 4016N                        | 04819E        | 57.7         | 112.8        | GGGG                               |                     |                      | 180                     | 32                     |
| 2529-06415        | 00000/0000                      | 2-2002R/0668                | 07/04/76         | 90             | 7370             | 3849N                        | 04750E        | 58.0         | 110.2        | GGGG                               |                     |                      | 180                     | 33                     |
| 2529-06422        | 00000/0000                      | 2-2002R/0669                | 07/04/76         | 30             | 7370             | 3724N                        | 04722E        | 58.2         | 107.7        | GGGG                               |                     |                      | 180                     | 34                     |
| 2529-06424        | 00000/0000                      | 2-2002R/0670                | 07/04/76         | 20             | 7370             | 3558N                        | 04654E        | 58.3         | 105.2        | GGGG                               |                     |                      | 180                     | 35                     |
| 2529-06431        | 00000/0000                      | 2-2002R/0671                | 07/04/76         | 0              | 7370             | 3433N                        | 04628E        | 58.4         | 102.6        | GGGG                               |                     |                      | 180                     | 36                     |
| 2529-06433        | 00000/0000                      | 2-2002R/0672                | 07/04/76         | 0              | 7370             | 3318N                        | 04602E        | 58.4         | 100.1        | GGGG                               |                     |                      | 180                     | 37                     |
| 2529-08210        | 00000/0000                      | 2-2002R/0685                | 07/04/76         | 40             | 7371             | 5256N                        | 02749E        | 53.2         | 133.9        | GGGG                               |                     |                      | 198                     | 23                     |
| 2529-08213        | 00000/0000                      | 2-2002R/0686                | 07/04/76         | 90             | 7371             | 5132N                        | 02707E        | 53.9         | 131.7        | GGGG                               |                     |                      | 198                     | 24                     |
| 2529-08215        | 00000/0000                      | 2-2002R/0687                | 07/04/76         | 40             | 7371             | 5008N                        | 02627E        | 54.5         | 129.5        | GGGG                               |                     |                      | 198                     | 25                     |
| 2529-08222        | 00000/0000                      | 2-2002R/0688                | 07/04/76         | 0              | 7371             | 4844N                        | 02549E        | 55.1         | 127.2        | GGGG                               |                     |                      | 198                     | 26                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>REV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>SPBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RSV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2529-09565        | 00000/0000                                     | 2-2002R/0689     | 07/04/76       | 90                     | 7372                         | 7624N         | 03256E       | 36.3         | 181.4             | GGGF                |                      | 216                     | 5                      |
| 2529-09571        | 00000/0000                                     | 2-2002R/0690     | 07/04/76       | 90                     | 7372                         | 7528N         | 02900E       | 37.4         | 177.0             | GGGF                |                      | 216                     | 6                      |
| 2529-11382        | 00000/0000                                     | 2-2002R/0691     | 07/04/76       | 10                     | 7373                         | 8006N         | 03038E       | 31.8         | 206.4             | GGGF                |                      | 234                     | 1                      |
| 2529-11385        | 00000/0000                                     | 2-2002R/0692     | 07/04/76       | 10                     | 7373                         | 7924N         | 02326E       | 33.0         | 198.8             | GGGF                |                      | 234                     | 2                      |
| 2529-11391        | 00000/0000                                     | 2-2002R/0693     | 07/04/76       | 40                     | 7373                         | 7834N         | 01711E       | 34.1         | 192.2             | GGGF                |                      | 234                     | 3                      |
| 2529-11394        | 00000/0000                                     | 2-2002R/0694     | 07/04/76       | 90                     | 7373                         | 7737N         | 01148E       | 35.2         | 186.5             | GGGF                |                      | 234                     | 4                      |
| 2529-11400        | 00000/0000                                     | 2-2002R/0695     | 07/04/76       | 90                     | 7373                         | 7634N         | 00708E       | 36.3         | 181.4             | GGGF                |                      | 234                     | 5                      |
| 2529-12141        | 00000/0000                                     | 2-2002R/0620     | 07/04/76       | 90                     | 7373                         | 3843S         | 04944W       | 14.2         | 44.3              | F G                 |                      | 234                     | 87                     |
| 2529-13214        | 00000/0000                                     | 2-2002R/0621     | 07/04/76       | 80                     | 7374                         | 8005N         | 00433E       | 31.8         | 206.3             | GGGF                |                      | 1                       | 1                      |
| 2529-13220        | 00000/0000                                     | 2-2002R/0622     | 07/04/76       | 60                     | 7374                         | 7923N         | 00235W       | 33.0         | 198.8             | GGGF                |                      | 1                       | 2                      |
| 2529-13223        | 00000/0000                                     | 2-2002R/0623     | 07/04/76       | 50                     | 7374                         | 7832N         | 00449W       | 34.1         | 192.2             | GGGF                |                      | 1                       | 3                      |
| 2529-13225        | 00000/0000                                     | 2-2002R/0624     | 07/04/76       | 20                     | 7374                         | 7735N         | 01410W       | 35.2         | 186.4             | GGGF                |                      | 1                       | 4                      |
| 2529-13482        | 00000/0000                                     | 2-2002R/0625     | 07/04/76       | 10                     | 7374                         | 0710S         | 06709W       | 39.8         | 52.1              | FFFG                |                      | 1                       | 65                     |
| 2529-15045        | 00000/0000                                     | 2-2002R/0626     | 07/04/76       | 10                     | 7375                         | 8005N         | 02122W       | 31.8         | 206.3             | GGGF                |                      | 19                      | 1                      |
| 2529-15145        | 00000/0000                                     | 2-2002R/0565     | 07/04/76       | 10                     | 7375                         | 5005N         | 07450W       | 54.5         | 129.5             | GGGF                |                      | 19                      | 25                     |
| 2529-16572        | 00000/0000                                     | 2-2002R/0696     | 07/04/76       | 10                     | 7376                         | 5256N         | 10117W       | 53.2         | 133.9             | GGGF                |                      | 37                      | 23                     |
| 2529-16575        | 00000/0000                                     | 2-2002R/0697     | 07/04/76       | 10                     | 7376                         | 5132N         | 10158W       | 53.9         | 131.7             | GGGF                |                      | 37                      | 24                     |
| 2529-18304        | 2-20033/0093                                   | 00000/0000       | 07/04/76       | 60                     | 7377                         | 8058N         | 05551W       | 29.6         | 223.8             | GGG                 |                      | 44                      | 246                    |
| 2529-18310        | 2-20033/0094                                   | 00000/0000       | 07/04/76       | 60                     | 7377                         | 8028N         | 06445W       | 30.7         | 214.6             | GGG                 |                      | 37                      | 248                    |
| 2529-18313        | 2-20033/0095                                   | 00000/0000       | 07/04/76       | 60                     | 7377                         | 8006N         | 07248W       | 31.8         | 206.2             | GGG                 |                      | 55                      | 1                      |
| 2529-18315        | 2-20033/0096                                   | 00000/0000       | 07/04/76       | 30                     | 7377                         | 7924N         | 07459W       | 33.0         | 198.7             | GGG                 |                      | 55                      | 2                      |
| 2529-18322        | 2-20033/0097                                   | 00000/0000       | 07/04/76       | 30                     | 7377                         | 7833N         | 08417W       | 34.1         | 192.1             | GGG                 |                      | 55                      | 3                      |
| 2529-20133        | 00000/0000                                     | 2-2002R/0605     | 07/04/76       | 10                     | 7378                         | 7038N         | 13703W       | 41.6         | 163.4             | GGGF                |                      | 73                      | 10                     |
| 2530-01340        | 00000/0000                                     | 2-2002R/0634     | 07/05/76       | 40                     | 7381                         | 5134N         | 12456E       | 53.8         | 131.7             | GGGF                |                      | 127                     | 24                     |
| 2530-01343        | 00000/0000                                     | 2-2002R/0635     | 07/05/76       | 70                     | 7381                         | 5009N         | 12417E       | 54.4         | 129.5             | GGGF                |                      | 127                     | 25                     |
| 2530-01345        | 00000/0000                                     | 2-2002R/0636     | 07/05/76       | 30                     | 7381                         | 4845N         | 12739E       | 55.1         | 127.2             | GGGF                |                      | 127                     | 26                     |
| 2530-01352        | 00000/0000                                     | 2-2002R/0637     | 07/05/76       | 10                     | 7381                         | 4720N         | 12703E       | 55.6         | 124.9             | GGGF                |                      | 127                     | 27                     |
| 2530-01354        | 00000/0000                                     | 2-2002R/0638     | 07/05/76       | 0                      | 7381                         | 4545N         | 12428E       | 56.1         | 122.6             | GGGF                |                      | 127                     | 28                     |
| 2530-01361        | 00000/0000                                     | 2-2002R/0639     | 07/05/76       | 0                      | 7381                         | 4430N         | 12555E       | 56.6         | 120.2             | GGGF                |                      | 127                     | 29                     |
| 2530-01363        | 00000/0000                                     | 2-2002R/0640     | 07/05/76       | 10                     | 7381                         | 4345N         | 12524E       | 57.0         | 117.7             | GGGF                |                      | 127                     | 30                     |
| 2530-01370        | 00000/0000                                     | 2-2002R/0641     | 07/05/76       | 10                     | 7381                         | 4140N         | 12453E       | 57.4         | 115.3             | GGGF                |                      | 127                     | 31                     |
| 2530-01372        | 00000/0000                                     | 2-2002R/0642     | 07/05/76       | 20                     | 7381                         | 4014N         | 12423E       | 57.7         | 112.8             | GGGF                |                      | 127                     | 32                     |
| 2530-04583        | 00000/0000                                     | 2-2002R/0716     | 07/05/76       | 10                     | 7383                         | 5829N         | 08111E       | 50.0         | 142.5             | GGGF                |                      | 163                     | 19                     |
| 2530-04590        | 00000/0000                                     | 2-2002R/0717     | 07/05/76       | 10                     | 7383                         | 5706N         | 08018E       | 50.9         | 140.4             | GGGF                |                      | 163                     | 20                     |
| 2530-04592        | 00000/0000                                     | 2-2002R/0718     | 07/05/76       | 10                     | 7383                         | 5543N         | 07428E       | 51.6         | 138.2             | GGGF                |                      | 163                     | 21                     |
| 2530-04595        | 00000/0000                                     | 2-2002R/0719     | 07/05/76       | 40                     | 7383                         | 5419N         | 07442E       | 52.4         | 136.1             | GGGF                |                      | 163                     | 22                     |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
MSS DATA MODE..... (BLANK)=UNCOMPRESSED, L=LINEAR  
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>48V | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2530-05001        | 00000/0000                   | 2-2002A/0720                | 07/05/76         | 60             | 7383            | 5255N                        | 07758E        | 53.1         | 133.9        | GGGG                               |                     |                      | 163                     | 23                     |
| 2530-05004        | 00000/0000                   | 2-2002A/0721                | 07/05/76         | 60             | 7383            | 5131N                        | 07716E        | 53.8         | 131.7        | GGGG                               |                     |                      | 163                     | 24                     |
| 2530-05010        | 00000/0000                   | 2-2002A/0722                | 07/05/76         | 60             | 7383            | 5007N                        | 07635E        | 54.4         | 129.5        | GGGG                               |                     |                      | 163                     | 25                     |
| 2530-05013        | 00000/0000                   | 2-2002A/0704                | 07/05/76         | 20             | 7383            | 4843N                        | 07557E        | 55.0         | 127.2        | GGGG                               |                     |                      | 163                     | 26                     |
| 2530-05031        | 00000/0000                   | 2-2002A/0705                | 07/05/76         | 10             | 7383            | 4302N                        | 07340E        | 57.0         | 117.7        | GGGG                               |                     |                      | 163                     | 30                     |
| 2530-06410        | 00000/0000                   | 2-2002A/0706                | 07/05/76         | 60             | 7384            | 6114N                        | 05725E        | 48.3         | 146.7        | GGGG                               |                     |                      | 181                     | 17                     |
| 2530-06412        | 00000/0000                   | 2-2002A/0707                | 07/05/76         | 70             | 7384            | 5952N                        | 05624E        | 49.2         | 144.6        | GGGG                               |                     |                      | 181                     | 18                     |
| 2530-08255        | 00000/0000                   | 2-2002A/0708                | 07/05/76         | 60             | 7385            | 5546N                        | 02754E        | 51.6         | 138.3        | GGGG                               |                     |                      | 199                     | 21                     |
| 2530-08262        | 00000/0000                   | 2-2002A/0709                | 07/05/76         | 50             | 7385            | 5422N                        | 02707E        | 52.4         | 136.2        | GGGG                               |                     |                      | 199                     | 22                     |
| 2530-08264        | 00000/0000                   | 2-2002A/0710                | 07/05/76         | 50             | 7385            | 5258N                        | 02622E        | 53.1         | 134.0        | GGGG                               |                     |                      | 199                     | 23                     |
| 2530-08271        | 00000/0000                   | 2-2002A/0711                | 07/05/76         | 50             | 7385            | 5124N                        | 02539E        | 53.8         | 131.8        | GGGG                               |                     |                      | 199                     | 24                     |
| 2530-08273        | 00000/0000                   | 2-2002A/0712                | 07/05/76         | 80             | 7385            | 5009N                        | 02459E        | 54.4         | 129.6        | GGGG                               |                     |                      | 199                     | 25                     |
| 2530-08280        | 00000/0000                   | 2-2002A/0713                | 07/05/76         | 40             | 7385            | 4844N                        | 02421E        | 55.0         | 127.3        | GGGG                               |                     |                      | 199                     | 26                     |
| 2530-08282        | 00000/0000                   | 2-2002A/0714                | 07/05/76         | 10             | 7385            | 4720N                        | 02345E        | 55.6         | 125.0        | GGGG                               |                     |                      | 199                     | 27                     |
| 2530-10023        | 00000/0000                   | 2-2002A/0768                | 07/05/76         | 100            | 7386            | 7635N                        | 03129E        | 36.2         | 181.5        | FGGG                               |                     |                      | 217                     | 5                      |
| 2530-10025        | 00000/0000                   | 2-2002A/0769                | 07/05/76         | 100            | 7386            | 7529N                        | 02733E        | 37.3         | 177.0        | GGGG                               |                     |                      | 217                     | 6                      |
| 2530-10070        | 00000/0000                   | 2-2002A/0770                | 07/05/76         | 0              | 7386            | 6239N                        | 00654E        | 47.4         | 148.9        | FGGG                               |                     |                      | 217                     | 16                     |
| 2530-10073        | 00000/0000                   | 2-2002A/0771                | 07/05/76         | 10             | 7386            | 6117N                        | 00547E        | 48.3         | 146.8        | GGGG                               |                     |                      | 217                     | 17                     |
| 2530-10075        | 00000/0000                   | 2-2002A/0772                | 07/05/76         | 10             | 7386            | 5955N                        | 00444E        | 49.1         | 144.7        | FGGG                               |                     |                      | 217                     | 18                     |
| 2530-11443        | 00000/0000                   | 2-2002A/0773                | 07/05/76         | 10             | 7387            | 7925N                        | 02202E        | 32.9         | 198.9        | GGGG                               |                     |                      | 235                     | 2                      |
| 2530-11445        | 00000/0000                   | 2-2002A/0774                | 07/05/76         | 60             | 7387            | 7825N                        | 01546E        | 34.0         | 192.3        | FGGG                               |                     |                      | 235                     | 3                      |
| 2530-11452        | 00000/0000                   | 2-2002A/0775                | 07/05/76         | 80             | 7387            | 7738N                        | 01019E        | 35.1         | 186.5        | GGGG                               |                     |                      | 235                     | 4                      |
| 2530-11454        | 00000/0000                   | 2-2002A/0776                | 07/05/76         | 80             | 7387            | 7625N                        | 00541E        | 36.2         | 181.4        | GGGG                               |                     |                      | 235                     | 5                      |
| 2530-12195        | 00000/0000                   | 2-2002A/0777                | 07/05/76         | 30             | 7387            | 3842S                        | 05109W        | 14.2         | 44.4         | GGGG                               |                     |                      | 235                     | 87                     |
| 2530-13272        | 00000/0000                   | 2-2002A/0778                | 07/05/76         | 90             | 7388            | 8005N                        | 00312E        | 31.7         | 206.4        | GGGG                               |                     |                      | 2                       | 1                      |
| 2530-13275        | 00000/0000                   | 2-2002A/0779                | 07/05/76         | 20             | 7388            | 7923N                        | 00358W        | 32.9         | 198.9        | GGGG                               |                     |                      | 2                       | 2                      |
| 2530-13281        | 00000/0000                   | 2-2002A/0780                | 07/05/76         | 10             | 7388            | 7823N                        | 01012W        | 34.0         | 192.2        | GGGG                               |                     |                      | 2                       | 3                      |
| 2530-13284        | 00000/0000                   | 2-2002A/0781                | 07/05/76         | 10             | 7388            | 7736N                        | 01532W        | 35.1         | 186.5        | GGGG                               |                     |                      | 2                       | 4                      |
| 2530-13534        | 00000/0000                   | 2-2002A/0715                | 07/05/76         | 90             | 7388            | 0542S                        | 06214W        | 40.9         | 53.1         | GGGG                               |                     |                      | 2                       | 64                     |
| 2530-15201        | 00000/0000                   | 2-2002A/0782                | 07/05/76         | 10             | 7389            | 5122N                        | 07736W        | 53.7         | 131.8        | GGGG                               |                     |                      | 20                      | 24                     |
| 2530-15204        | 00000/0000                   | 2-2002A/0783                | 07/05/76         | 10             | 7389            | 5007N                        | 07816W        | 54.4         | 129.5        | GGGG                               |                     |                      | 20                      | 25                     |
| 2530-17030        | 00000/0000                   | 2-2002A/0784                | 07/05/76         | 10             | 7390            | 5224N                        | 10245W        | 53.1         | 134.0        | GGGG                               |                     |                      | 38                      | 23                     |
| 2530-17033        | 00000/0000                   | 2-2002A/0785                | 07/05/76         | 20             | 7390            | 5133N                        | 10327W        | 53.7         | 131.8        | GGGG                               |                     |                      | 38                      | 24                     |
| 2530-18362        | 2-20033/0098                 | 00000/0000                  | 07/05/76         | 40             | 7391            | 8058N                        | 05747W        | 29.5         | 223.1        | GGG                                |                     |                      | 45                      | 246                    |
| 2530-18365        | 2-20033/0099                 | 00000/0000                  | 07/05/76         | 90             | 7391            | 8026N                        | 06644W        | 30.7         | 214.0        | GGG                                |                     |                      | 39                      | 248                    |
| 2530-20232        | 00000/0000                   | 2-2002A/0698                | 07/05/76         | 70             | 7392            | 7306N                        | 13341W        | 39.4         | 169.5        | G                                  |                     |                      | 74                      | 8                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2530-20234        | 00000/0000                   | 2-2002R/0699                | 07/05/76         | 9n             | 7392            | 7152N                        | 13615W        | 40.5         | 166.3        | GGGG                               |                     |                      | 74                      | 9                      |
| 2530-22064        | 00000/0000                   | 2-2002R/0700                | 07/05/76         | 10n            | 7393            | 7305N                        | 15929W        | 39.4         | 169.4        | GGGG                               |                     |                      | 92                      | 8                      |
| 2530-22070        | 00000/0000                   | 2-2002R/0701                | 07/05/76         | 8n             | 7393            | 7151N                        | 16204W        | 40.5         | 166.2        | GGGG                               |                     |                      | 92                      | 9                      |
| 2531-01392        | 00000/0000                   | 2-2002R/0723                | 07/06/76         | 2n             | 7395            | 5259N                        | 12814E        | 53.0         | 134.0        | GGGG                               |                     |                      | 128                     | 23                     |
| 2531-01395        | 00000/0000                   | 2-2002R/0724                | 07/06/76         | 1n             | 7395            | 5135N                        | 12733E        | 53.7         | 131.8        | GGGG                               |                     |                      | 128                     | 24                     |
| 2531-01401        | 00000/0000                   | 2-2002R/0725                | 07/06/76         | 1n             | 7395            | 5011N                        | 12652E        | 54.3         | 129.6        | GGGG                               |                     |                      | 128                     | 25                     |
| 2531-01404        | 00000/0000                   | 2-2002R/0726                | 07/06/76         | 1n             | 7395            | 4846N                        | 12614E        | 54.9         | 127.3        | GGGG                               |                     |                      | 128                     | 26                     |
| 2531-01410        | 00000/0000                   | 2-2002R/0727                | 07/06/76         | 0              | 7395            | 4721N                        | 12537E        | 55.5         | 125.0        | GGGG                               |                     |                      | 128                     | 27                     |
| 2531-01413        | 00000/0000                   | 2-2002R/0728                | 07/06/76         | 0              | 7395            | 4546N                        | 12502E        | 56.0         | 122.7        | GGGG                               |                     |                      | 128                     | 28                     |
| 2531-01415        | 00000/0000                   | 2-2002R/0729                | 07/06/76         | 0              | 7395            | 4431N                        | 12429E        | 56.5         | 120.3        | GGGG                               |                     |                      | 128                     | 29                     |
| 2531-01422        | 00000/0000                   | 2-2002R/0730                | 07/06/76         | 0              | 7395            | 4306N                        | 12357E        | 56.9         | 117.9        | GGGG                               |                     |                      | 128                     | 30                     |
| 2531-01424        | 00000/0000                   | 2-2002R/0731                | 07/06/76         | 0              | 7395            | 4141N                        | 12327E        | 57.2         | 115.4        | GGGG                               |                     |                      | 128                     | 31                     |
| 2531-01431        | 00000/0000                   | 2-2002R/0732                | 07/06/76         | 0              | 7395            | 4016N                        | 12258E        | 57.6         | 112.9        | GGGG                               |                     |                      | 128                     | 32                     |
| 2531-01433        | 00000/0000                   | 2-2002R/0733                | 07/06/76         | 0              | 7395            | 3850N                        | 12229E        | 57.8         | 110.4        | GGGG                               |                     |                      | 128                     | 33                     |
| 2531-01460        | 00000/0000                   | 2-2002R/0734                | 07/06/76         | 8n             | 7395            | 3017N                        | 11950E        | 58.1         | 95.3         | GGGG                               |                     |                      | 128                     | 39                     |
| 2531-03215        | 00000/0000                   | 2-2002R/0735                | 07/06/76         | 8n             | 7396            | 5545N                        | 10353E        | 51.5         | 138.3        | GGGG                               |                     |                      | 146                     | 21                     |
| 2531-03221        | 00000/0000                   | 2-2002R/0736                | 07/06/76         | 9n             | 7396            | 5421N                        | 10306E        | 52.3         | 136.1        | GGGG                               |                     |                      | 146                     | 22                     |
| 2531-03224        | 00000/0000                   | 2-2002R/0737                | 07/06/76         | 9n             | 7396            | 5257N                        | 10222E        | 53.0         | 134.0        | GGGG                               |                     |                      | 146                     | 23                     |
| 2531-03230        | 00000/0000                   | 2-2002R/0738                | 07/06/76         | 6n             | 7396            | 5133N                        | 10140E        | 53.7         | 131.8        | GGGG                               |                     |                      | 146                     | 24                     |
| 2531-03271        | 00000/0000                   | 2-2002R/0739                | 07/06/76         | 9n             | 7396            | 3724N                        | 09609E        | 58.0         | 107.9        | GGGG                               |                     |                      | 146                     | 34                     |
| 2531-03274        | 00000/0000                   | 2-2002R/0740                | 07/06/76         | 9n             | 7396            | 3549N                        | 09542E        | 58.1         | 105.4        | GGGG                               |                     |                      | 146                     | 35                     |
| 2531-05041        | 00000/0000                   | 2-2002R/0741                | 07/06/76         | 8n             | 7397            | 5831N                        | 07947E        | 49.9         | 142.5        | GGGG                               |                     |                      | 164                     | 19                     |
| 2531-05044        | 00000/0000                   | 2-2002R/0742                | 07/06/76         | 8n             | 7397            | 5708N                        | 07854E        | 50.7         | 140.4        | GGGG                               |                     |                      | 164                     | 20                     |
| 2531-05050        | 00000/0000                   | 2-2002R/0743                | 07/06/76         | 5n             | 7397            | 5545N                        | 07803E        | 51.5         | 138.3        | GGGG                               |                     |                      | 164                     | 21                     |
| 2531-05053        | 00000/0000                   | 2-2002R/0744                | 07/06/76         | 1n             | 7397            | 5421N                        | 07716E        | 52.3         | 136.1        | GGGG                               |                     |                      | 164                     | 22                     |
| 2531-05055        | 00000/0000                   | 2-2002R/0745                | 07/06/76         | 1n             | 7397            | 5257N                        | 07632E        | 53.0         | 134.0        | GGGG                               |                     |                      | 164                     | 23                     |
| 2531-05062        | 00000/0000                   | 2-2002R/0746                | 07/06/76         | 1n             | 7397            | 5133N                        | 07551E        | 53.7         | 131.8        | GGGG                               |                     |                      | 164                     | 24                     |
| 2531-05064        | 00000/0000                   | 2-2002R/0747                | 07/06/76         | 1n             | 7397            | 5009N                        | 07511E        | 54.3         | 129.5        | GGGG                               |                     |                      | 164                     | 25                     |
| 2531-05071        | 00000/0000                   | 2-2002R/0748                | 07/06/76         | 1n             | 7397            | 4844N                        | 07432E        | 54.9         | 127.3        | GGGG                               |                     |                      | 164                     | 26                     |
| 2531-05100        | 00000/0000                   | 2-2002R/0749                | 07/06/76         | 0              | 7397            | 3848N                        | 07046E        | 57.8         | 110.4        | GGGG                               |                     |                      | 164                     | 33                     |
| 2531-06470        | 00000/0000                   | 2-2002R/0818                | 07/06/76         | 9n             | 7398            | 5955N                        | 05500E        | 49.1         | 144.6        | GGGG                               |                     |                      | 182                     | 18                     |
| 2531-06473        | 00000/0000                   | 2-2002R/0819                | 07/06/76         | 9n             | 7398            | 5832N                        | 05402E        | 49.9         | 142.5        | GGGG                               |                     |                      | 182                     | 19                     |
| 2531-06475        | 00000/0000                   | 2-2002R/0820                | 07/06/76         | 8n             | 7398            | 5738N                        | 05308E        | 50.7         | 140.4        | GGGG                               |                     |                      | 182                     | 20                     |
| 2531-06482        | 00000/0000                   | 2-2002R/0821                | 07/06/76         | 8n             | 7398            | 5545N                        | 05217E        | 51.5         | 138.3        | GGGG                               |                     |                      | 182                     | 21                     |
| 2531-06484        | 00000/0000                   | 2-2002R/0822                | 07/06/76         | 9n             | 7398            | 5421N                        | 05130E        | 52.3         | 136.1        | GGGG                               |                     |                      | 182                     | 22                     |
| 2531-06491        | 00000/0000                   | 2-2002R/0823                | 07/06/76         | 9n             | 7398            | 5257N                        | 05044E        | 53.0         | 134.0        | GGGG                               |                     |                      | 182                     | 23                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2531-06493        | 00000/0000                   | 2-2002A/0824                | 07/06/76         | 60             | 7398                   | 5133N                        | 05002E        | 53.7         | 131.8        | GGGG                               |                     |                      | 182                     | 24                     |
| 2531-06500        | 00000/0000                   | 2-2002A/0825                | 07/06/76         | 30             | 7398                   | 5008N                        | 04922E        | 54.3         | 129.5        | GGGG                               |                     |                      | 182                     | 25                     |
| 2531-06502        | 00000/0000                   | 2-2002A/0826                | 07/06/76         | 40             | 7398                   | 4844N                        | 04844E        | 54.9         | 127.3        | GGGG                               |                     |                      | 182                     | 26                     |
| 2531-06505        | 00000/0000                   | 2-2002A/0827                | 07/06/76         | 30             | 7398                   | 4719N                        | 04808E        | 55.5         | 125.0        | GGGG                               |                     |                      | 182                     | 27                     |
| 2531-06511        | 00000/0000                   | 2-2002A/0828                | 07/06/76         | 10             | 7398                   | 4555N                        | 04734E        | 56.0         | 122.6        | GGGG                               |                     |                      | 182                     | 28                     |
| 2531-06514        | 00000/0000                   | 2-2002A/0829                | 07/06/76         | 10             | 7398                   | 4430N                        | 04700E        | 56.5         | 120.3        | GGGG                               |                     |                      | 182                     | 29                     |
| 2531-06520        | 00000/0000                   | 2-2002A/0830                | 07/06/76         | 10             | 7398                   | 4305N                        | 04628E        | 56.9         | 117.8        | GGGG                               |                     |                      | 182                     | 30                     |
| 2531-06523        | 00000/0000                   | 2-2002A/0831                | 07/06/76         | 10             | 7398                   | 4140N                        | 04557E        | 57.2         | 115.4        | GGGG                               |                     |                      | 182                     | 31                     |
| 2531-06525        | 00000/0000                   | 2-2002A/0832                | 07/06/76         | 10             | 7398                   | 4015N                        | 04528E        | 57.5         | 112.9        | GGGG                               |                     |                      | 182                     | 32                     |
| 2531-06534        | 00000/0000                   | 2-2002A/0806                | 07/06/76         | 10             | 7398                   | 3724N                        | 04430E        | 58.0         | 107.9        | FGGG                               |                     |                      | 182                     | 34                     |
| 2531-06541        | 00000/0000                   | 2-2002A/0807                | 07/06/76         | 0              | 7398                   | 3559N                        | 04403E        | 58.1         | 105.4        | GGGG                               |                     |                      | 182                     | 35                     |
| 2531-06543        | 00000/0000                   | 2-2002A/0808                | 07/06/76         | 0              | 7398                   | 3433N                        | 04337E        | 58.2         | 102.8        | GGGG                               |                     |                      | 182                     | 36                     |
| 2531-06550        | 00000/0000                   | 2-2002A/0809                | 07/06/76         | 0              | 7398                   | 3307N                        | 04311E        | 58.2         | 100.3        | GGGG                               |                     |                      | 182                     | 37                     |
| 2531-08311        | 00000/0000                   | 2-2002A/0810                | 07/06/76         | 90             | 7399                   | 5708N                        | 02718E        | 50.7         | 140.4        | FGGG                               |                     |                      | 200                     | 20                     |
| 2531-08314        | 00000/0000                   | 2-2002A/0823                | 07/06/76         | 70             | 7399                   | 5544N                        | 02628E        | 51.5         | 138.3        | G                                  |                     |                      | 200                     | 21                     |
| 2531-08320        | 00000/0000                   | 2-2002A/0824                | 07/06/76         | 70             | 7399                   | 5421N                        | 02540E        | 52.3         | 136.1        | GGGG                               |                     |                      | 200                     | 22                     |
| 2531-08323        | 00000/0000                   | 2-2002A/0825                | 07/06/76         | 90             | 7399                   | 5257N                        | 02455E        | 53.0         | 134.0        | FGGG                               |                     |                      | 200                     | 23                     |
| 2531-08325        | 00000/0000                   | 2-2002A/0826                | 07/06/76         | 90             | 7399                   | 5132N                        | 02413E        | 53.7         | 131.8        | FGGG                               |                     |                      | 200                     | 24                     |
| 2531-08332        | 00000/0000                   | 2-2002A/0827                | 07/06/76         | 60             | 7399                   | 5008N                        | 02333E        | 54.3         | 129.5        | GGGG                               |                     |                      | 200                     | 25                     |
| 2531-08334        | 00000/0000                   | 2-2002A/0828                | 07/06/76         | 40             | 7399                   | 4844N                        | 02255E        | 54.9         | 127.3        | GGGG                               |                     |                      | 200                     | 26                     |
| 2531-10081        | 00000/0000                   | 2-2002A/0829                | 07/06/76         | 90             | 7400                   | 7634N                        | 03003E        | 36.1         | 181.3        | GGGG                               |                     |                      | 218                     | 5                      |
| 2531-10084        | 00000/0000                   | 2-2002A/0830                | 07/06/76         | 90             | 7400                   | 7528N                        | 02606E        | 37.2         | 176.9        | GGGG                               |                     |                      | 218                     | 6                      |
| 2531-11495        | 00000/0000                   | 2-2002A/0831                | 07/06/76         | 30             | 7401                   | 8006N                        | 02734E        | 31.7         | 206.2        | GGGG                               |                     |                      | 236                     | 1                      |
| 2531-11501        | 00000/0000                   | 2-2002A/0832                | 07/06/76         | 50             | 7401                   | 7924N                        | 02023E        | 32.8         | 198.7        | GGGG                               |                     |                      | 236                     | 2                      |
| 2531-11504        | 00000/0000                   | 2-2002A/0833                | 07/06/76         | 80             | 7401                   | 7823N                        | 01411E        | 33.9         | 192.1        | GGGG                               |                     |                      | 236                     | 3                      |
| 2531-11510        | 00000/0000                   | 2-2002A/0834                | 07/06/76         | 90             | 7401                   | 7736N                        | 00852E        | 35.0         | 186.3        | GGGG                               |                     |                      | 236                     | 4                      |
| 2531-11513        | 00000/0000                   | 2-2002A/0835                | 07/06/76         | 100            | 7401                   | 7624N                        | 00418E        | 36.1         | 181.3        | GGGG                               |                     |                      | 236                     | 5                      |
| 2531-12224        | 00000/0000                   | 2-2002A/0836                | 07/06/76         | 20             | 7401                   | 2843S                        | 04934W        | 22.7         | 45.1         | GGGG                               |                     |                      | 236                     | 80                     |
| 2531-13585        | 00000/0000                   | 2-2002A/0811                | 07/06/76         | 30             | 7402                   | 0414S                        | 06919W        | 42.0         | 54.1         | GGGG                               |                     |                      | 3                       | 63                     |
| 2531-13592        | 00000/0000                   | 2-2002A/0812                | 07/06/76         | 50             | 7402                   | 0540S                        | 06939W        | 40.9         | 53.2         | GGGG                               |                     |                      | 3                       | 64                     |
| 2531-13594        | 00000/0000                   | 2-2002A/0813                | 07/06/76         | 10             | 7402                   | 0707S                        | 06959W        | 39.9         | 52.4         | GGFF                               |                     |                      | 3                       | 65                     |
| 2531-14001        | 00000/0000                   | 2-2002A/0814                | 07/06/76         | 10             | 7402                   | 0834S                        | 07020W        | 38.8         | 51.6         | GGGG                               |                     |                      | 3                       | 66                     |
| 2531-14003        | 00000/0000                   | 2-2002A/0815                | 07/06/76         | 0              | 7402                   | 1000S                        | 07040W        | 37.7         | 50.9         | FFGG                               |                     |                      | 3                       | 67                     |
| 2531-14010        | 00000/0000                   | 2-2002A/0816                | 07/06/76         | 50             | 7402                   | 1126S                        | 07101W        | 36.6         | 50.2         | GGGG                               |                     |                      | 3                       | 68                     |
| 2531-14012        | 00000/0000                   | 2-2002A/0817                | 07/06/76         | 40             | 7402                   | 1253S                        | 07121W        | 35.5         | 49.6         | GGGG                               |                     |                      | 3                       | 69                     |
| 2531-15262        | 00000/0000                   | 2-2002A/0837                | 07/06/76         | 10             | 7403                   | 5011N                        | 07940W        | 54.3         | 129.6        | GGGG                               |                     |                      | 21                      | 25                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NNN-US  
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| OBSERVATION<br>ID | WICKSFILE<br>POSITION IN R911<br>R9V | RAII NM./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2531-17084        | 00000/0000                           | 2-2002R/1178     | 07/06/76         | 10             | 7404            | 5300N                        | 10408W        | 52.9         | 134.0        | GGGG                  |                     |                      | 39                      | 23                     |
| 2531-17091        | 00000/0000                           | 2-2002R/1179     | 07/06/76         | 10             | 7404            | 5135N                        | 10451W        | 53.6         | 131.8        | GGGG                  |                     |                      | 39                      | 24                     |
| 2531-17093        | 00000/0000                           | 2-2002R/1180     | 07/06/76         | 10             | 7404            | 5011N                        | 10531W        | 54.3         | 129.6        | GGGG                  |                     |                      | 39                      | 25                     |
| 2531-18420        | 2-20029/0255                         | 00000/0000       | 07/06/76         | 70             | 7405            | 8059N                        | 05914W        | 29.4         | 223.3        | GGG                   |                     |                      | 46                      | 246                    |
| 2531-18423        | 2-20029/0256                         | 00000/0000       | 07/06/76         | 70             | 7405            | 8038N                        | 06807W        | 30.6         | 214.2        | GGG                   |                     |                      | 40                      | 248                    |
| 2531-18425        | 2-20029/0257                         | 00000/0000       | 07/06/76         | 70             | 7405            | 8005N                        | 07608W        | 31.7         | 205.8        | GGG                   |                     |                      | 58                      | 1                      |
| 2531-18432        | 2-20029/0258                         | 00000/0000       | 07/06/76         | 50             | 7405            | 7923N                        | 08313W        | 32.8         | 198.3        | GGG                   |                     |                      | 57                      | 2                      |
| 2531-20293        | 00000/0000                           | 2-2002R/0702     | 07/06/76         | 40             | 7406            | 7153N                        | 13739W        | 40.3         | 166.3        | GGG                   |                     |                      | 75                      | 9                      |
| 2531-22131        | 00000/0000                           | 2-2002R/0703     | 07/06/76         | 50             | 7407            | 7036N                        | 16545W        | 41.4         | 163.3        | GGGG                  |                     |                      | 93                      | 10                     |
| 2532-01444        | 00000/0000                           | 2-2002R/0750     | 07/07/76         | 70             | 7409            | 5419N                        | 12737E        | 52.2         | 136.1        | GGFF                  |                     |                      | 129                     | 22                     |
| 2532-01450        | 00000/0000                           | 2-2002R/0751     | 07/07/76         | 90             | 7409            | 5255N                        | 12652E        | 52.9         | 134.0        | GGGF                  |                     |                      | 129                     | 23                     |
| 2532-01453        | 00000/0000                           | 2-2002R/0752     | 07/07/76         | 90             | 7409            | 5131N                        | 12609E        | 53.6         | 131.8        | GGGG                  |                     |                      | 129                     | 24                     |
| 2532-01455        | 00000/0000                           | 2-2002R/0753     | 07/07/76         | 20             | 7409            | 5007N                        | 12529E        | 54.2         | 129.6        | GGGG                  |                     |                      | 129                     | 25                     |
| 2532-01462        | 00000/0000                           | 2-2002R/0754     | 07/07/76         | 40             | 7409            | 4843N                        | 12451E        | 54.8         | 127.3        | GGFG                  |                     |                      | 129                     | 26                     |
| 2532-01464        | 00000/0000                           | 2-2002R/0755     | 07/07/76         | 40             | 7409            | 4718N                        | 12414E        | 55.4         | 125.0        | GGGG                  |                     |                      | 129                     | 27                     |
| 2532-01471        | 00000/0000                           | 2-2002R/0756     | 07/07/76         | 40             | 7409            | 4553N                        | 12339E        | 55.9         | 122.7        | GGGF                  |                     |                      | 129                     | 28                     |
| 2532-01473        | 00000/0000                           | 2-2002R/0757     | 07/07/76         | 30             | 7409            | 4428N                        | 12306E        | 56.4         | 120.3        | GGGF                  |                     |                      | 129                     | 29                     |
| 2532-01480        | 00000/0000                           | 2-2002R/0758     | 07/07/76         | 30             | 7409            | 4303N                        | 12233E        | 56.8         | 117.9        | GGGG                  |                     |                      | 129                     | 30                     |
| 2532-01482        | 00000/0000                           | 2-2002R/0759     | 07/07/76         | 20             | 7409            | 4138N                        | 12202E        | 57.1         | 115.4        | GGGG                  |                     |                      | 129                     | 31                     |
| 2532-01485        | 00000/0000                           | 2-2002R/0760     | 07/07/76         | 20             | 7409            | 4013N                        | 12132E        | 57.5         | 113.0        | GGGG                  |                     |                      | 129                     | 32                     |
| 2532-01491        | 00000/0000                           | 2-2002R/0761     | 07/07/76         | 10             | 7409            | 3848N                        | 12103E        | 57.7         | 110.5        | GGGG                  |                     |                      | 129                     | 33                     |
| 2532-01494        | 00000/0000                           | 2-2002R/0762     | 07/07/76         | 20             | 7409            | 3722N                        | 12035E        | 57.9         | 108.0        | GGGG                  |                     |                      | 129                     | 34                     |
| 2532-01503        | 00000/0000                           | 2-2002R/0763     | 07/07/76         | 90             | 7409            | 3431N                        | 11941E        | 58.1         | 102.9        | GGGF                  |                     |                      | 129                     | 36                     |
| 2532-01505        | 00000/0000                           | 2-2002R/0764     | 07/07/76         | 80             | 7409            | 3305N                        | 11915E        | 58.1         | 100.4        | GFGG                  |                     |                      | 129                     | 37                     |
| 2532-01512        | 00000/0000                           | 2-2002R/0765     | 07/07/76         | 80             | 7409            | 3139N                        | 11849E        | 58.1         | 97.9         | GFGG                  |                     |                      | 129                     | 38                     |
| 2532-01514        | 00000/0000                           | 2-2002R/0766     | 07/07/76         | 90             | 7409            | 3014N                        | 11825E        | 58.0         | 95.4         | GGGG                  |                     |                      | 129                     | 39                     |
| 2532-01521        | 00000/0000                           | 2-2002R/0767     | 07/07/76         | 100            | 7409            | 2848N                        | 11800E        | 57.9         | 92.9         | GGGF                  |                     |                      | 129                     | 40                     |
| 2532-03273        | 00000/0000                           | 2-2002R/0833     | 07/07/76         | 10             | 7410            | 5544N                        | 10728E        | 51.4         | 138.2        | GGGG                  |                     |                      | 147                     | 21                     |
| 2532-03280        | 00000/0000                           | 2-2002R/0834     | 07/07/76         | 60             | 7410            | 5420N                        | 10142E        | 52.2         | 136.1        | GGGG                  |                     |                      | 147                     | 22                     |
| 2532-03282        | 00000/0000                           | 2-2002R/0835     | 07/07/76         | 90             | 7410            | 5256N                        | 10057E        | 52.9         | 134.0        | GGGG                  |                     |                      | 147                     | 23                     |
| 2532-03330        | 00000/0000                           | 2-2002R/0836     | 07/07/76         | 10             | 7410            | 3723N                        | 09443E        | 57.9         | 108.0        | GGGG                  |                     |                      | 147                     | 34                     |
| 2532-05100        | 00000/0000                           | 2-2002R/0837     | 07/07/76         | 40             | 7411            | 5827N                        | 07820E        | 49.8         | 142.5        | G                     |                     |                      | 165                     | 19                     |
| 2532-05102        | 00000/0000                           | 2-2002R/0838     | 07/07/76         | 30             | 7411            | 5704N                        | 07727E        | 50.6         | 140.4        | GGGG                  |                     |                      | 165                     | 20                     |
| 2532-05105        | 00000/0000                           | 2-2002R/0839     | 07/07/76         | 40             | 7411            | 5541N                        | 07635E        | 51.4         | 138.2        | GGGG                  |                     |                      | 165                     | 21                     |
| 2532-05111        | 00000/0000                           | 2-2002R/0840     | 07/07/76         | 70             | 7411            | 5418N                        | 07551E        | 52.2         | 136.1        | GGGG                  |                     |                      | 165                     | 22                     |
| 2532-05114        | 00000/0000                           | 2-2002R/0841     | 07/07/76         | 60             | 7411            | 5254N                        | 07506E        | 52.9         | 133.9        | GGGG                  |                     |                      | 165                     | 23                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>REL. | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-------------------------------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2532-05120        | 00000/0000                                      | 2-2002R/0842     | 07/07/76       | 30              | 7411 5130N                              | 07424E       | 53.6         | 131.8                              | GGGG                |                      | 165                     | 24                     |
| 2532-05123        | 00000/0000                                      | 2-2002R/0843     | 07/07/76       | 10              | 7411 5006N                              | 07344E       | 54.2         | 129.5                              | GGGG                |                      | 165                     | 25                     |
| 2532-05125        | 00000/0000                                      | 2-2002R/0844     | 07/07/76       | 10              | 7411 4841N                              | 07306E       | 54.8         | 127.3                              | GGGG                |                      | 165                     | 26                     |
| 2532-05161        | 00000/0000                                      | 2-2002R/0845     | 07/07/76       | 10              | 7411 3722N                              | 06852E       | 57.9         | 108.0                              | GGGG                |                      | 165                     | 34                     |
| 2532-06522        | 00000/0000                                      | 2-2002R/0846     | 07/07/76       | 60              | 7412 6116N                              | 05431E       | 48.1         | 146.8                              | GGGG                |                      | 183                     | 17                     |
| 2532-06525        | 00000/0000                                      | 2-2002R/0853     | 07/07/76       | 70              | 7412 5953N                              | 05329E       | 48.9         | 144.7                              | GGGG                |                      | 183                     | 18                     |
| 2532-06531        | 00000/0000                                      | 2-2002R/0854     | 07/07/76       | 90              | 7412 5831N                              | 05232E       | 49.8         | 142.5                              | GGGG                |                      | 183                     | 19                     |
| 2532-06534        | 00000/0000                                      | 2-2002R/0855     | 07/07/76       | 100             | 7412 5708N                              | 05139E       | 50.6         | 140.4                              | GGGG                |                      | 183                     | 20                     |
| 2532-06540        | 00000/0000                                      | 2-2002R/0856     | 07/07/76       | 100             | 7412 5545N                              | 05048E       | 51.4         | 138.3                              | GGGG                |                      | 183                     | 21                     |
| 2532-06543        | 00000/0000                                      | 2-2002R/0857     | 07/07/76       | 90              | 7412 5421N                              | 05001E       | 52.1         | 136.2                              | GGGG                |                      | 183                     | 22                     |
| 2532-06545        | 00000/0000                                      | 2-2002R/0858     | 07/07/76       | 40              | 7412 5256N                              | 04916E       | 52.9         | 134.0                              | GGGG                |                      | 183                     | 23                     |
| 2532-06552        | 00000/0000                                      | 2-2002R/0859     | 07/07/76       | 30              | 7412 5132N                              | 04834E       | 53.5         | 131.8                              | GGGG                |                      | 183                     | 24                     |
| 2532-06554        | 00000/0000                                      | 2-2002R/0860     | 07/07/76       | 50              | 7412 5008N                              | 04755E       | 54.2         | 129.6                              | GGGG                |                      | 183                     | 25                     |
| 2532-06561        | 00000/0000                                      | 2-2002R/0861     | 07/07/76       | 50              | 7412 4844N                              | 04717E       | 54.8         | 127.4                              | GGGG                |                      | 183                     | 26                     |
| 2532-06563        | 00000/0000                                      | 2-2002R/0862     | 07/07/76       | 10              | 7412 4720N                              | 04641E       | 55.4         | 125.1                              | GGGG                |                      | 183                     | 27                     |
| 2532-06570        | 00000/0000                                      | 2-2002R/0863     | 07/07/76       | 0               | 7412 4555N                              | 04607E       | 55.9         | 122.7                              | GGGG                |                      | 183                     | 28                     |
| 2532-06581        | 00000/0000                                      | 2-2002R/0864     | 07/07/76       | 30              | 7412 4411N                              | 04430E       | 57.1         | 115.5                              | GGGG                |                      | 183                     | 31                     |
| 2532-06584        | 00000/0000                                      | 2-2002R/0865     | 07/07/76       | 20              | 7412 4016N                              | 04401E       | 57.4         | 113.1                              | GGGG                |                      | 183                     | 32                     |
| 2532-06593        | 00000/0000                                      | 2-2002R/0866     | 07/07/76       | 0               | 7412 3725N                              | 04304E       | 57.9         | 108.1                              | GGGG                |                      | 183                     | 34                     |
| 2532-08360        | 00000/0000                                      | 2-2002R/0867     | 07/07/76       | 90              | 7413 5953N                              | 02744E       | 48.9         | 144.6                              | GGGG                |                      | 201                     | 18                     |
| 2532-08363        | 00000/0000                                      | 2-2002R/0868     | 07/07/76       | 100             | 7413 5831N                              | 02647E       | 49.8         | 142.5                              | GGGG                |                      | 201                     | 19                     |
| 2532-08372        | 00000/0000                                      | 2-2002R/0869     | 07/07/76       | 100             | 7413 5544N                              | 02502E       | 51.4         | 138.3                              | GGG                 |                      | 201                     | 21                     |
| 2532-08374        | 00000/0000                                      | 2-2002R/0870     | 07/07/76       | 100             | 7413 5420N                              | 02414E       | 52.1         | 136.2                              | GGGG                |                      | 201                     | 22                     |
| 2532-08381        | 00000/0000                                      | 2-2002R/0871     | 07/07/76       | 70              | 7413 5256N                              | 02329E       | 52.9         | 134.0                              | GGGG                |                      | 201                     | 23                     |
| 2532-08383        | 00000/0000                                      | 2-2002R/0872     | 07/07/76       | 40              | 7413 5132N                              | 02248E       | 53.5         | 131.8                              | GGGG                |                      | 201                     | 24                     |
| 2532-08390        | 00000/0000                                      | 2-2002R/0873     | 07/07/76       | 90              | 7413 5009N                              | 02208E       | 54.2         | 129.6                              | GGGG                |                      | 201                     | 25                     |
| 2532-08392        | 00000/0000                                      | 2-2002R/0874     | 07/07/76       | 50              | 7413 4844N                              | 02129E       | 54.8         | 127.4                              | GGGG                |                      | 201                     | 26                     |
| 2532-12264        | 00000/0000                                      | 2-2002R/0875     | 07/07/76       | 60              | 7415 2258S                              | 04928W       | 27.5         | 46.3                               | GGG                 |                      | 237                     | 76                     |
| 2532-12271        | 00000/0000                                      | 2-2002R/0876     | 07/07/76       | 80              | 7415 2424S                              | 04950W       | 26.3         | 46.0                               | GGGG                |                      | 237                     | 77                     |
| 2532-12273        | 00000/0000                                      | 2-2002R/0877     | 07/07/76       | 70              | 7415 2551S                              | 05013W       | 25.2         | 45.7                               | GGGG                |                      | 237                     | 78                     |
| 2532-12280        | 00000/0000                                      | 2-2002R/0878     | 07/07/76       | 60              | 7415 2717S                              | 05037W       | 24.0         | 45.4                               | GGGG                |                      | 237                     | 79                     |
| 2532-12282        | 00000/0000                                      | 2-2002R/0879     | 07/07/76       | 50              | 7415 2843S                              | 05100W       | 22.8         | 45.2                               | GGGG                |                      | 237                     | 80                     |
| 2532-13471        | 00000/0000                                      | 2-2002R/0880     | 07/07/76       | 90              | 7416 5543N                              | 05222W       | 51.4         | 138.3                              | GGGG                |                      | 4                       | 21                     |
| 2532-14064        | 00000/0000                                      | 2-2002R/0881     | 07/07/76       | 10              | 7416 1128S                              | 07227W       | 36.6         | 50.3                               | GGGG                |                      | 4                       | 68                     |
| 2532-15320        | 00000/0000                                      | 2-2002R/0882     | 07/07/76       | 90              | 7417 5007N                              | 08108W       | 54.2         | 129.6                              | GGGG                |                      | 22                      | 25                     |
| 2532-17134        | 00000/0000                                      | 2-2002R/0883     | 07/07/76       | 20              | 7418 5543N                              | 10404W       | 51.3         | 138.3                              | GGGG                |                      | 40                      | 21                     |

KEYS: CLOUD COVER 1 ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNEXPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2532-17140        | 00000/0000                   | 2-20028/0880                | 07/07/76         | 40             | 7418             | 5420N                        | 10452W        | 52.1         | 136.1        | GGGG                               |                     |                      | 40                      | 22                     |
| 2532-17143        | 00000/0000                   | 2-20028/0881                | 07/07/76         | 40             | 7418             | 5256N                        | 10536W        | 52.8         | 134.0        | GGGG                               |                     |                      | 40                      | 23                     |
| 2532-17145        | 00000/0000                   | 2-20028/0882                | 07/07/76         | 60             | 7418             | 5131N                        | 10619W        | 53.5         | 131.8        | GGGG                               |                     |                      | 40                      | 24                     |
| 2532-18474        | 2-20029/0259                 | 00000/0000                  | 07/07/76         | 20             | 7419             | 8008N                        | 06027W        | 29.3         | 223.4        | GGG                                |                     |                      | 47                      | 246                    |
| 2532-18481        | 2-20029/0260                 | 00000/0000                  | 07/07/76         | 30             | 7419             | 8037N                        | 06924W        | 30.4         | 214.3        | GGG                                |                     |                      | 40                      | 248                    |
| 2532-18483        | 2-20029/0261                 | 00000/0000                  | 07/07/76         | 30             | 7419             | 8005N                        | 07724W        | 31.6         | 205.9        | GGG                                |                     |                      | 58                      | 1                      |
| 2532-18490        | 2-20029/0262                 | 00000/0000                  | 07/07/76         | 80             | 7419             | 7922N                        | 08430W        | 32.7         | 198.4        | GGG                                |                     |                      | 58                      | 2                      |
| 2532-20351        | 00000/0000                   | 2-20024/0885                | 07/07/76         | 60             | 7420             | 7151N                        | 13910W        | 40.2         | 166.2        | GGGG                               |                     |                      | 76                      | 9                      |
| 2532-22185        | 00000/0000                   | 2-20024/0886                | 07/07/76         | 50             | 7421             | 7037N                        | 16712W        | 41.2         | 163.3        | GGGG                               |                     |                      | 94                      | 10                     |
| 2532-22191        | 00000/0000                   | 2-20024/0887                | 07/07/76         | 30             | 7421             | 6919N                        | 16914W        | 42.3         | 160.6        | GGGG                               |                     |                      | 94                      | 11                     |
| 2532-22194        | 00000/0000                   | 2-20024/0888                | 07/07/76         | 20             | 7421             | 6811N                        | 17102W        | 43.3         | 158.1        | GGGG                               |                     |                      | 94                      | 12                     |
| 2533-01493        | 00000/0000                   | 2-20024/0849                | 07/08/76         | 40             | 7423             | 5708N                        | 12741E        | 50.5         | 140.4        | GGGG                               |                     |                      | 130                     | 20                     |
| 2533-01500        | 00000/0000                   | 2-20024/0850                | 07/08/76         | 30             | 7423             | 5545N                        | 12451E        | 51.3         | 138.3        | GGGG                               |                     |                      | 130                     | 21                     |
| 2533-01502        | 00000/0000                   | 2-20024/0851                | 07/08/76         | 20             | 7423             | 5422N                        | 12403E        | 52.0         | 136.2        | GGGG                               |                     |                      | 130                     | 22                     |
| 2533-01505        | 00000/0000                   | 2-20024/0852                | 07/08/76         | 60             | 7423             | 5257N                        | 12518E        | 52.8         | 134.0        | GGGG                               |                     |                      | 130                     | 23                     |
| 2533-01514        | 00000/0000                   | 2-20024/0892                | 07/08/76         | 90             | 7423             | 5009N                        | 12355E        | 54.1         | 129.6        | F                                  |                     |                      | 130                     | 25                     |
| 2533-01520        | 00000/0000                   | 2-20024/0893                | 07/08/76         | 60             | 7423             | 4844N                        | 12317E        | 54.7         | 127.4        | F                                  |                     |                      | 130                     | 26                     |
| 2533-01523        | 00000/0000                   | 2-20024/0894                | 07/08/76         | 10             | 7423             | 4720N                        | 12241E        | 55.3         | 125.1        | GGGG                               |                     |                      | 130                     | 27                     |
| 2533-01525        | 00000/0000                   | 2-20024/0895                | 07/08/76         | 50             | 7423             | 4555N                        | 12207E        | 55.8         | 122.8        | GGGG                               |                     |                      | 130                     | 28                     |
| 2533-01532        | 00000/0000                   | 2-20024/0896                | 07/08/76         | 70             | 7423             | 4431N                        | 12134E        | 56.2         | 120.4        | FGGG                               |                     |                      | 130                     | 29                     |
| 2533-01534        | 00000/0000                   | 2-20024/0897                | 07/08/76         | 90             | 7423             | 4305N                        | 12103E        | 56.7         | 118.0        | GGGG                               |                     |                      | 130                     | 30                     |
| 2533-01541        | 00000/0000                   | 2-20024/0898                | 07/08/76         | 100            | 7423             | 4139N                        | 12033E        | 57.0         | 115.6        | FGGG                               |                     |                      | 130                     | 31                     |
| 2533-01543        | 00000/0000                   | 2-20024/0899                | 07/08/76         | 100            | 7423             | 4014N                        | 12003E        | 57.3         | 113.1        | FGGG                               |                     |                      | 130                     | 32                     |
| 2533-01550        | 00000/0000                   | 2-20024/0900                | 07/08/76         | 90             | 7423             | 3849N                        | 11934E        | 57.6         | 110.6        | FGGG                               |                     |                      | 130                     | 33                     |
| 2533-01552        | 00000/0000                   | 2-20024/0901                | 07/08/76         | 100            | 7423             | 3724N                        | 11906E        | 57.8         | 109.1        | GGGG                               |                     |                      | 130                     | 34                     |
| 2533-01555        | 00000/0000                   | 2-20024/0902                | 07/08/76         | 100            | 7423             | 3558N                        | 11839E        | 57.9         | 105.6        | GGGG                               |                     |                      | 130                     | 35                     |
| 2533-01561        | 00000/0000                   | 2-20024/0903                | 07/08/76         | 100            | 7423             | 3432N                        | 11812E        | 58.0         | 103.1        | GGGG                               |                     |                      | 130                     | 36                     |
| 2533-01564        | 00000/0000                   | 2-20024/0904                | 07/08/76         | 100            | 7423             | 3307N                        | 11746E        | 58.1         | 100.6        | FGGG                               |                     |                      | 130                     | 37                     |
| 2533-01570        | 00000/0000                   | 2-20024/0905                | 07/08/76         | 100            | 7423             | 3141N                        | 11721E        | 58.0         | 98.1         | GGGG                               |                     |                      | 130                     | 38                     |
| 2533-01573        | 00000/0000                   | 2-20024/0906                | 07/08/76         | 100            | 7423             | 3015N                        | 11656E        | 57.9         | 95.6         | GGGG                               |                     |                      | 130                     | 39                     |
| 2533-03325        | 00000/0000                   | 2-20024/0938                | 07/08/76         | 10             | 7424             | 5707N                        | 10153E        | 50.5         | 140.4        | GGGG                               |                     |                      | 148                     | 20                     |
| 2533-03331        | 00000/0000                   | 2-20024/0939                | 07/08/76         | 10             | 7424             | 5544N                        | 10103E        | 51.3         | 138.3        | GGGG                               |                     |                      | 148                     | 21                     |
| 2533-03334        | 00000/0000                   | 2-20024/0940                | 07/08/76         | 20             | 7424             | 5420N                        | 10015E        | 52.0         | 136.2        | GGGG                               |                     |                      | 148                     | 22                     |
| 2533-05160        | 00000/0000                   | 2-20024/0941                | 07/08/76         | 60             | 7425             | 5706N                        | 07602E        | 50.5         | 140.4        | GGGG                               |                     |                      | 166                     | 20                     |
| 2533-05163        | 00000/0000                   | 2-20024/0942                | 07/08/76         | 50             | 7425             | 5543N                        | 07512E        | 51.3         | 138.3        | GGGG                               |                     |                      | 166                     | 21                     |
| 2533-05165        | 00000/0000                   | 2-20024/0943                | 07/08/76         | 70             | 7425             | 5419N                        | 07425E        | 52.0         | 136.2        | GGGG                               |                     |                      | 166                     | 22                     |

KEYS: C-CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS-BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2533-05172        | 00000/0000                   | 2-2002R/0944                | 07/08/76         | 60             | 7425                | 5256N                        | 07341E        | 52.8         | 134.0        | GGGG                  |                     |                      | 166                     | 23                     |
| 2533-05181        | 00000/0000                   | 2-2002R/0945                | 07/08/76         | 20             | 7425                | 5008N                        | 07218E        | 54.1         | 129.6        | GGGG                  |                     |                      | 166                     | 25                     |
| 2533-05183        | 00000/0000                   | 2-2002R/0946                | 07/08/76         | 10             | 7425                | 4844N                        | 07140E        | 54.7         | 127.4        | GGGG                  |                     |                      | 166                     | 26                     |
| 2533-05190        | 00000/0000                   | 2-2002R/0947                | 07/08/76         | 10             | 7425                | 4719N                        | 07103E        | 55.3         | 125.1        | GGGG                  |                     |                      | 166                     | 27                     |
| 2533-05192        | 00000/0000                   | 2-2002R/0948                | 07/08/76         | n              | 7425                | 4554N                        | 07029E        | 55.8         | 122.8        | GGGG                  |                     |                      | 166                     | 28                     |
| 2533-05195        | 00000/0000                   | 2-2002R/0949                | 07/08/76         | n              | 7425                | 4429N                        | 06956E        | 56.2         | 120.4        | FFFF                  |                     |                      | 166                     | 29                     |
| 2533-05201        | 00000/0000                   | 2-2002R/0950                | 07/08/76         | n              | 7425                | 4304N                        | 06924E        | 56.7         | 118.0        | GGGG                  |                     |                      | 166                     | 30                     |
| 2533-05204        | 00000/0000                   | 2-2002R/0951                | 07/08/76         | n              | 7425                | 4199N                        | 06853E        | 57.0         | 115.6        | GGGG                  |                     |                      | 166                     | 31                     |
| 2533-05210        | 00000/0000                   | 2-2002R/1550                | 07/08/76         | 10             | 7425                | 4015N                        | 06822E        | 57.3         | 113.1        | GGGG                  |                     |                      | 166                     | 32                     |
| 2533-05213        | 00000/0000                   | 2-2002R/1551                | 07/08/76         | 20             | 7425                | 3850N                        | 06753E        | 57.6         | 110.6        | GGGG                  |                     |                      | 166                     | 33                     |
| 2533-05215        | 00000/0000                   | 2-2002R/0907                | 07/08/76         | 10             | 7425                | 3723N                        | 06725E        | 57.8         | 108.1        | GGGG                  |                     |                      | 166                     | 34                     |
| 2533-05251        | 00000/0000                   | 2-2002R/0908                | 07/08/76         | 30             | 7425                | 2557N                        | 06407E        | 57.3         | 88.4         | GGGG                  |                     |                      | 166                     | 42                     |
| 2533-06580        | 00000/0000                   | 2-2002R/0909                | 07/08/76         | 60             | 7426                | 4115N                        | 05310E        | 48.0         | 146.7        | GGGG                  |                     |                      | 184                     | 17                     |
| 2533-06583        | 00000/0000                   | 2-2002R/0910                | 07/08/76         | 70             | 7426                | 5953N                        | 05208E        | 48.8         | 144.6        | GGGG                  |                     |                      | 184                     | 18                     |
| 2533-06585        | 00000/0000                   | 2-2002R/0911                | 07/08/76         | 80             | 7426                | 5830N                        | 05111E        | 49.7         | 142.5        | GGGG                  |                     |                      | 184                     | 19                     |
| 2533-06592        | 00000/0000                   | 2-2002R/0912                | 07/08/76         | 90             | 7426                | 5707N                        | 05017E        | 50.5         | 140.4        | GGGG                  |                     |                      | 184                     | 20                     |
| 2533-06594        | 00000/0000                   | 2-2002R/0913                | 07/08/76         | 90             | 7426                | 5544N                        | 04926E        | 51.3         | 138.3        | FGGG                  |                     |                      | 184                     | 21                     |
| 2533-07001        | 00000/0000                   | 2-2002R/0914                | 07/08/76         | 90             | 7426                | 5419N                        | 04839E        | 52.0         | 136.2        | GGGG                  |                     |                      | 184                     | 22                     |
| 2533-07003        | 00000/0000                   | 2-2002R/0915                | 07/08/76         | 90             | 7426                | 5256N                        | 04754E        | 52.8         | 134.0        | GGGG                  |                     |                      | 184                     | 23                     |
| 2533-07010        | 00000/0000                   | 2-2002R/0916                | 07/08/76         | 80             | 7426                | 5132N                        | 04712E        | 53.4         | 131.8        | GGGG                  |                     |                      | 184                     | 24                     |
| 2533-07012        | 00000/0000                   | 2-2002R/0917                | 07/08/76         | 50             | 7426                | 5007N                        | 04631E        | 54.1         | 129.6        | GGGG                  |                     |                      | 184                     | 25                     |
| 2533-07015        | 00000/0000                   | 2-2002R/0918                | 07/08/76         | 40             | 7426                | 4843N                        | 04553E        | 54.7         | 127.4        | GGGG                  |                     |                      | 184                     | 26                     |
| 2533-07021        | 00000/0000                   | 2-2002R/0919                | 07/08/76         | 40             | 7426                | 4718N                        | 04516E        | 55.2         | 125.1        | GGGG                  |                     |                      | 184                     | 27                     |
| 2533-07024        | 00000/0000                   | 2-2002R/0920                | 07/08/76         | 20             | 7426                | 4553N                        | 04441E        | 55.8         | 122.8        | GGGG                  |                     |                      | 184                     | 28                     |
| 2533-07030        | 00000/0000                   | 2-2002R/0921                | 07/08/76         | 30             | 7426                | 4428N                        | 04408E        | 56.2         | 120.4        | GGGG                  |                     |                      | 184                     | 29                     |
| 2533-07033        | 00000/0000                   | 2-2002R/0922                | 07/08/76         | 40             | 7426                | 4303N                        | 04336E        | 56.6         | 118.0        | GGGG                  |                     |                      | 184                     | 30                     |
| 2533-08421        | 00000/0000                   | 2-2002R/1552                | 07/08/76         | 100            | 7427                | 5828N                        | 02519E        | 49.7         | 142.5        | GGGG                  |                     |                      | 202                     | 19                     |
| 2533-08424        | 00000/0000                   | 2-2002R/1553                | 07/08/76         | 100            | 7427                | 5706N                        | 02425E        | 50.5         | 140.4        | GGGG                  |                     |                      | 202                     | 20                     |
| 2533-08430        | 00000/0000                   | 2-2002R/1554                | 07/08/76         | 90             | 7427                | 5543N                        | 02335E        | 51.3         | 138.3        | GGGG                  |                     |                      | 202                     | 21                     |
| 2533-08433        | 00000/0000                   | 2-2002R/1555                | 07/08/76         | 60             | 7427                | 5419N                        | 02247E        | 52.0         | 136.2        | GGGG                  |                     |                      | 202                     | 22                     |
| 2533-12323        | 00000/0000                   | 2-2002R/1556                | 07/08/76         | 90             | 7429                | 2257S                        | 05054W        | 27.6         | 46.5         | GGGG                  |                     |                      | 238                     | 76                     |
| 2533-12325        | 00000/0000                   | 2-2002R/1557                | 07/08/76         | 90             | 7429                | 2423S                        | 05117W        | 26.4         | 46.1         | FGGG                  |                     |                      | 238                     | 77                     |
| 2533-12332        | 00000/0000                   | 2-2002R/1558                | 07/08/76         | 80             | 7429                | 2549S                        | 05140W        | 25.2         | 45.8         | GGGG                  |                     |                      | 238                     | 78                     |
| 2533-12334        | 00000/0000                   | 2-2002R/1559                | 07/08/76         | 80             | 7429                | 2715S                        | 05203W        | 24.1         | 45.6         | FFFF                  |                     |                      | 238                     | 79                     |
| 2533-12341        | 00000/0000                   | 2-2002R/1560                | 07/08/76         | 50             | 7429                | 2841S                        | 05227W        | 22.9         | 45.3         | GGGG                  |                     |                      | 238                     | 80                     |
| 2533-12343        | 00000/0000                   | 2-2002R/1561                | 07/08/76         | 50             | 7429                | 3007S                        | 05251W        | 21.7         | 45.1         | GGGF                  |                     |                      | 238                     | 81                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>REV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2533-15372        | 00000/0000                                     | 2-20029/1576     | 07/08/76              | 2n                                 | 7431                                | 5133N        | 08154W       | 53.4                  | 131.9               |                      |                         |                        |
| 2533-15374        | 00000/0000                                     | 2-20029/1577     | 07/08/76              | 4n                                 | 7431                                | 5049N        | 08234W       | 54.0                  | 129.7               | GGGG                 | 23                      | 24                     |
| 2533-17110        | 2-20029/0278                                   | 00000/0000       | 07/08/76              | 9n                                 | 7432                                | 8046N        | 05255W       | 31.4                  | 206.1               | GGGG                 | 23                      | 25                     |
| 2533-17113        | 2-20029/0279                                   | 00000/0000       | 07/08/76              | 9n                                 | 7432                                | 7923N        | 06006W       | 32.6                  | 198.6               | GGG                  | 41                      | 1                      |
| 2533-17115        | 2-20029/0280                                   | 00000/0000       | 07/08/76              | 9n                                 | 7432                                | 7822N        | 06416W       | 33.7                  | 192.0               | GGG                  | 41                      | 2                      |
| 2533-17122        | 2-20029/0281                                   | 00000/0000       | 07/08/76              | 9n                                 | 7432                                | 7725N        | 07136W       | 34.8                  | 186.2               | FFG                  | 41                      | 3                      |
| 2533-17142        | 00000/0000                                     | 2-20029/0966     | 07/08/76              | 10n                                | 7432                                | 7122N        | 08455W       | 40.1                  | 166.2               | FFG                  | 41                      | 4                      |
| 2533-17144        | 00000/0000                                     | 2-20029/0967     | 07/08/76              | 8n                                 | 7432                                | 7037N        | 09111W       | 41.1                  | 163.3               | GGGG                 | 41                      | 9                      |
| 2533-17151        | 00000/0000                                     | 2-20029/0968     | 07/08/76              | 7n                                 | 7432                                | 6919N        | 09312W       | 42.2                  | 160.6               | GGGG                 | 41                      | 10                     |
| 2533-17153        | 00000/0000                                     | 2-20029/0969     | 07/08/76              | 4n                                 | 7432                                | 6801N        | 09500W       | 43.2                  | 158.0               | GGGG                 | 41                      | 11                     |
| 2533-17160        | 00000/0000                                     | 2-20029/0970     | 07/08/76              | 9n                                 | 7432                                | 6641N        | 09437W       | 44.1                  | 155.6               | GGGG                 | 41                      | 12                     |
| 2533-17162        | 00000/0000                                     | 2-20029/0971     | 07/08/76              | 10n                                | 7432                                | 6519N        | 09405W       | 45.1                  | 153.3               | GGGG                 | 41                      | 13                     |
| 2533-17165        | 00000/0000                                     | 2-20029/0972     | 07/08/76              | 9n                                 | 7432                                | 6400N        | 09424W       | 46.1                  | 151.1               | GGGG                 | 41                      | 14                     |
| 2533-17171        | 00000/0000                                     | 2-20029/0973     | 07/08/76              | 9n                                 | 7432                                | 6239N        | 10036W       | 47.0                  | 148.9               | GGGG                 | 41                      | 15                     |
| 2533-17174        | 00000/0000                                     | 2-20029/0974     | 07/08/76              | 7n                                 | 7432                                | 6117N        | 10143W       | 47.9                  | 146.8               | GGGG                 | 41                      | 16                     |
| 2533-17180        | 00000/0000                                     | 2-20029/0975     | 07/08/76              | 6n                                 | 7432                                | 5953N        | 10246W       | 48.8                  | 144.6               | GGGG                 | 41                      | 17                     |
| 2533-17183        | 00000/0000                                     | 2-20029/0976     | 07/08/76              | 10n                                | 7432                                | 5830N        | 10344W       | 49.6                  | 142.5               | FFGG                 | 41                      | 18                     |
| 2533-17185        | 00000/0000                                     | 2-20029/0960     | 07/08/76              | 9n                                 | 7432                                | 5709N        | 10439W       | 50.4                  | 140.4               | FFGG                 | 41                      | 19                     |
| 2533-17192        | 00000/0000                                     | 2-20029/0961     | 07/08/76              | 9n                                 | 7432                                | 5546N        | 10530W       | 51.2                  | 138.3               | FFGG                 | 41                      | 20                     |
| 2533-17194        | 00000/0000                                     | 2-20029/0962     | 07/08/76              | 4n                                 | 7432                                | 5421N        | 10617W       | 52.0                  | 136.2               | GGGG                 | 41                      | 21                     |
| 2533-17201        | 00000/0000                                     | 2-20029/0963     | 07/08/76              | 6n                                 | 7432                                | 5258N        | 10701W       | 52.7                  | 134.1               | FFGG                 | 41                      | 22                     |
| 2533-17203        | 00000/0000                                     | 2-20029/0964     | 07/08/76              | 3n                                 | 7432                                | 5134N        | 10743W       | 53.4                  | 131.9               | GGGG                 | 41                      | 23                     |
| 2533-17265        | 00000/0000                                     | 2-20029/0965     | 07/08/76              | 3n                                 | 7432                                | 3016N        | 11524W       | 57.9                  | 95.7                | GGGG                 | 41                      | 24                     |
| 2533-18533        | 2-20029/0242                                   | 00000/0000       | 07/08/76              | 4n                                 | 7433                                | 8059N        | 06145W       | 29.1                  | 223.6               | GGGG                 | 41                      | 39                     |
| 2533-20403        | 00000/0000                                     | 2-20029/0976     | 07/08/76              | 9n                                 | 7434                                | 7326N        | 13804W       | 39.1                  | 169.4               | GFF                  | 48                      | 246                    |
| 2533-21405        | 00000/0000                                     | 2-20029/0977     | 07/08/76              | 7n                                 | 7434                                | 7122N        | 14037W       | 40.1                  | 166.2               | GGGG                 | 77                      | 8                      |
| 2533-22250        | 00000/0000                                     | 2-20029/0981     | 07/08/76              | 1n                                 | 7435                                | 6917N        | 17037W       | 42.2                  | 160.5               | GGGG                 | 77                      | 9                      |
| 2534-00172        | 00000/0000                                     | 2-20029/0952     | 07/09/76              | 2n                                 | 7436                                | 3848N        | 14357E       | 57.5                  | 110.7               | GGGG                 | 95                      | 11                     |
| 2534-00175        | 00000/0000                                     | 2-20029/0953     | 07/09/76              | 1n                                 | 7436                                | 3723N        | 14329E       | 57.7                  | 108.2               | GGGG                 | 113                     | 33                     |
| 2534-00181        | 00000/0000                                     | 2-20029/0954     | 07/09/76              | 2n                                 | 7436                                | 3547N        | 14301E       | 57.9                  | 105.7               | GGGG                 | 113                     | 34                     |
| 2534-00184        | 00000/0000                                     | 2-20029/1562     | 07/09/76              | 1n                                 | 7436                                | 3422N        | 14235E       | 57.9                  | 103.2               | GGGG                 | 113                     | 35                     |
| 2534-00190        | 00000/0000                                     | 2-20029/1563     | 07/09/76              | 3n                                 | 7436                                | 3325N        | 14209E       | 58.0                  | 100.7               | GGGG                 | 113                     | 36                     |
| 2534-01554        | 00000/0000                                     | 2-20029/1564     | 07/09/76              | 3n                                 | 7437                                | 5543N        | 12525E       | 51.2                  | 138.3               | GGGG                 | 113                     | 37                     |
| 2534-01572        | 00000/0000                                     | 2-20029/1565     | 07/09/76              | 1n                                 | 7437                                | 5048N        | 12231E       | 54.0                  | 129.6               | GGGG                 | 131                     | 21                     |
| 2534-01574        | 00000/0000                                     | 2-20029/1566     | 07/09/76              | 8n                                 | 7437                                | 4842N        | 12153E       | 54.6                  | 127.4               | GGGG                 | 131                     | 25                     |
| 2534-01581        | 00000/0000                                     | 2-20029/1567     | 07/09/76              | 9n                                 | 7437                                | 4718N        | 12116E       | 55.2                  | 125.1               | GGGG                 | 131                     | 26                     |
|                   |                                                |                  |                       |                                    |                                     |              |              |                       |                     |                      | 131                     | 27                     |

KEYS: CLOUD COVER 2 ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK, NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2534-01583        | 00000/0000                           | 2-2002A/1568     | 07/09/76         | 90             | 7437            | 4554N                        | 12041E        | 55.7         | 122.8        | GGGG                               |                     |                      | 131                     | 28                     |
| 2534-01590        | 00000/0000                           | 2-2002A/1569     | 07/09/76         | 80             | 7437            | 4429N                        | 12008E        | 56.1         | 120.5        | GGGG                               |                     |                      | 131                     | 29                     |
| 2534-01592        | 00000/0000                           | 2-2002A/1570     | 07/09/76         | 70             | 7437            | 4303N                        | 11935E        | 56.6         | 118.1        | GGGG                               |                     |                      | 131                     | 30                     |
| 2534-02001        | 00000/0000                           | 2-2002A/1571     | 07/09/76         | 70             | 7437            | 4012N                        | 11835E        | 57.2         | 113.2        | GGGG                               |                     |                      | 131                     | 32                     |
| 2534-02004        | 00000/0000                           | 2-2002A/1572     | 07/09/76         | 50             | 7437            | 3846N                        | 11806E        | 57.5         | 110.7        | GGGG                               |                     |                      | 131                     | 33                     |
| 2534-02010        | 00000/0000                           | 2-2002A/1573     | 07/09/76         | 30             | 7437            | 3721N                        | 11739E        | 57.7         | 108.2        | GGGG                               |                     |                      | 131                     | 34                     |
| 2534-02013        | 00000/0000                           | 2-2002A/1574     | 07/09/76         | 70             | 7437            | 3546N                        | 11712E        | 57.9         | 105.7        | GGGG                               |                     |                      | 131                     | 35                     |
| 2534-02015        | 00000/0000                           | 2-2002A/1575     | 07/09/76         | 90             | 7437            | 3431N                        | 11646E        | 57.9         | 103.2        | GGGG                               |                     |                      | 131                     | 36                     |
| 2534-03383        | 00000/0000                           | 2-2002A/0985     | 07/09/76         | 80             | 7438            | 5705N                        | 10023E        | 50.4         | 140.4        | FGFG                               |                     |                      | 149                     | 20                     |
| 2534-03390        | 00000/0000                           | 2-2002A/0986     | 07/09/76         | 70             | 7438            | 5541N                        | 09933E        | 51.2         | 138.3        | FGGG                               |                     |                      | 149                     | 21                     |
| 2534-03392        | 00000/0000                           | 2-2002A/0987     | 07/09/76         | 70             | 7438            | 5418N                        | 09846E        | 51.9         | 136.2        | FFFG                               |                     |                      | 149                     | 22                     |
| 2534-03481        | 00000/0000                           | 2-2002A/0988     | 07/09/76         | 50             | 7438            | 2430N                        | 08806E        | 56.9         | 86.2         | GGGG                               |                     |                      | 149                     | 43                     |
| 2534-03483        | 00000/0000                           | 2-2002A/0989     | 07/09/76         | 60             | 7438            | 2303N                        | 08743E        | 56.5         | 84.0         | GGGG                               |                     |                      | 149                     | 44                     |
| 2534-03490        | 00000/0000                           | 2-2002A/0990     | 07/09/76         | 80             | 7438            | 2137N                        | 08620E        | 56.1         | 81.8         | FGGG                               |                     |                      | 149                     | 45                     |
| 2534-05212        | 00000/0000                           | 2-2002A/0991     | 07/09/76         | 60             | 7439            | 5829N                        | 07530E        | 49.6         | 142.5        | GGGG                               |                     |                      | 167                     | 19                     |
| 2534-05215        | 00000/0000                           | 2-2002A/0992     | 07/09/76         | 70             | 7439            | 5705N                        | 07436E        | 50.4         | 140.4        | FGGG                               |                     |                      | 167                     | 20                     |
| 2534-05221        | 00000/0000                           | 2-2002A/0993     | 07/09/76         | 90             | 7439            | 5542N                        | 07346E        | 51.2         | 138.3        | FFFG                               |                     |                      | 167                     | 21                     |
| 2534-05224        | 00000/0000                           | 2-2002A/0994     | 07/09/76         | 90             | 7439            | 5418N                        | 07259E        | 51.9         | 136.2        | FGFF                               |                     |                      | 167                     | 22                     |
| 2534-05230        | 00000/0000                           | 2-2002A/0995     | 07/09/76         | 80             | 7439            | 5254N                        | 07215E        | 52.6         | 134.0        | FGFF                               |                     |                      | 167                     | 23                     |
| 2534-05233        | 00000/0000                           | 2-2002A/0996     | 07/09/76         | 40             | 7439            | 5131N                        | 07133E        | 53.3         | 131.8        | GGGG                               |                     |                      | 167                     | 24                     |
| 2534-05235        | 00000/0000                           | 2-2002A/0997     | 07/09/76         | 70             | 7439            | 5007N                        | 07052E        | 54.0         | 129.6        | FGFF                               |                     |                      | 167                     | 25                     |
| 2534-05242        | 00000/0000                           | 2-2002A/0998     | 07/09/76         | 70             | 7439            | 4842N                        | 07014E        | 54.6         | 127.4        | FGFR                               |                     |                      | 167                     | 26                     |
| 2534-05260        | 00000/0000                           | 2-2002A/0999     | 07/09/76         | 0              | 7439            | 4303N                        | 06757E        | 56.5         | 118.1        | GGGG                               |                     |                      | 167                     | 30                     |
| 2534-05262        | 00000/0000                           | 2-2002A/1000     | 07/09/76         | 0              | 7439            | 4137N                        | 06727E        | 56.9         | 115.7        | GGGG                               |                     |                      | 167                     | 31                     |
| 2534-05265        | 00000/0000                           | 2-2002A/1001     | 07/09/76         | 0              | 7439            | 4012N                        | 06657E        | 57.2         | 113.2        | GGGG                               |                     |                      | 167                     | 32                     |
| 2534-05271        | 00000/0000                           | 2-2002A/1002     | 07/09/76         | 10             | 7439            | 3847N                        | 06628E        | 57.5         | 110.7        | GGGG                               |                     |                      | 167                     | 33                     |
| 2534-07035        | 00000/0000                           | 2-2002A/1003     | 07/09/76         | 70             | 7440            | 6113N                        | 05139E        | 47.8         | 146.7        | FGGG                               |                     |                      | 185                     | 17                     |
| 2534-07041        | 00000/0000                           | 2-2002A/1004     | 07/09/76         | 90             | 7440            | 5951N                        | 05037E        | 48.7         | 144.6        | FGFG                               |                     |                      | 185                     | 18                     |
| 2534-07044        | 00000/0000                           | 2-2002A/1005     | 07/09/76         | 70             | 7440            | 5828N                        | 04940E        | 49.6         | 142.5        | FGGG                               |                     |                      | 185                     | 19                     |
| 2534-07050        | 00000/0000                           | 2-2002A/1006     | 07/09/76         | 60             | 7440            | 5705N                        | 04846E        | 50.4         | 140.4        | GGGG                               |                     |                      | 185                     | 20                     |
| 2534-07053        | 00000/0000                           | 2-2002A/1007     | 07/09/76         | 70             | 7440            | 5541N                        | 04756E        | 51.2         | 138.3        | GGGG                               |                     |                      | 185                     | 21                     |
| 2534-07055        | 00000/0000                           | 2-2002A/1008     | 07/09/76         | 70             | 7440            | 5418N                        | 04709E        | 51.9         | 136.2        | GGGG                               |                     |                      | 185                     | 22                     |
| 2534-07062        | 00000/0000                           | 2-2002A/1009     | 07/09/76         | 50             | 7440            | 5254N                        | 04624E        | 52.6         | 134.0        | GGGG                               |                     |                      | 185                     | 23                     |
| 2534-07064        | 00000/0000                           | 2-2002A/1010     | 07/09/76         | 40             | 7440            | 5130N                        | 04542E        | 53.3         | 131.8        | GGGG                               |                     |                      | 185                     | 24                     |
| 2534-07071        | 00000/0000                           | 2-2002A/1011     | 07/09/76         | 30             | 7440            | 5006N                        | 04502E        | 54.0         | 129.6        | GGFG                               |                     |                      | 185                     | 25                     |
| 2534-07073        | 00000/0000                           | 2-2002A/1012     | 07/09/76         | 50             | 7440            | 4841N                        | 04424E        | 54.6         | 127.4        | FGGG                               |                     |                      | 185                     | 26                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2534-07080        | 00000/0000                                     | 2-2002A/1013     | 07/09/76       | 30              | 7440                               | 4716N                               | 04348E       | 55.1         | 125.1             | FGGG                |                      | 185                     | 27                     |
| 2534-07082        | 00000/0000                                     | 2-2002A/1014     | 07/09/76       | 10              | 7440                               | 4552N                               | 04313E       | 55.7         | 123.8             | GGGG                |                      | 185                     | 28                     |
| 2534-07091        | 00000/0000                                     | 2-2002A/1015     | 07/09/76       | 10              | 7440                               | 4302N                               | 04208E       | 56.5         | 118.1             | GGGG                |                      | 185                     | 30                     |
| 2534-07094        | 00000/0000                                     | 2-2002A/1016     | 07/09/76       | 10              | 7440                               | 4136N                               | 04137E       | 56.9         | 115.7             | GGGG                |                      | 185                     | 31                     |
| 2534-08473        | 00000/0000                                     | 2-2002A/1053     | 07/09/76       | 70              | 7441                               | 5950N                               | 02447E       | 48.7         | 144.6             | GGGG                |                      | 203                     | 18                     |
| 2534-08475        | 00000/0000                                     | 2-2002A/1115     | 07/09/76       | 90              | 7441                               | 5827N                               | 02349E       | 49.6         | 142.5             | GGFG                |                      | 203                     | 19                     |
| 2534-08482        | 00000/0000                                     | 2-2002A/1116     | 07/09/76       | 90              | 7441                               | 5704N                               | 02255E       | 50.4         | 140.4             | GGGG                |                      | 203                     | 20                     |
| 2534-08484        | 00000/0000                                     | 2-2002A/1117     | 07/09/76       | 90              | 7441                               | 5541N                               | 02205E       | 51.2         | 138.3             | GGGG                |                      | 203                     | 21                     |
| 2534-08491        | 00000/0000                                     | 2-2002A/1118     | 07/09/76       | 90              | 7441                               | 5417N                               | 02119E       | 51.9         | 136.1             | GGGG                |                      | 203                     | 22                     |
| 2534-10245        | 00000/0000                                     | 2-2002A/1119     | 07/09/76       | 90              | 7442                               | 7734N                               | 03018E       | 34.7         | 186.1             | GGGG                |                      | 221                     | 4                      |
| 2534-10252        | 00000/0000                                     | 2-2002A/1120     | 07/09/76       | 90              | 7442                               | 7632N                               | 02544E       | 35.8         | 181.1             | GGGG                |                      | 221                     | 5                      |
| 2534-10254        | 00000/0000                                     | 2-2002A/1121     | 07/09/76       | 90              | 7442                               | 7526N                               | 02148E       | 36.9         | 176.7             | GGGG                |                      | 221                     | 6                      |
| 2534-12072        | 00000/0000                                     | 2-2002A/1122     | 07/09/76       | 10              | 7443                               | 7925N                               | 01610E       | 32.4         | 198.7             | GGGG                |                      | 239                     | 2                      |
| 2534-12074        | 00000/0000                                     | 2-2002A/1123     | 07/09/76       | 10              | 7443                               | 7835N                               | 00957E       | 33.6         | 192.1             | GGGG                |                      | 239                     | 3                      |
| 2534-12081        | 00000/0000                                     | 2-2002A/1124     | 07/09/76       | 10              | 7443                               | 7737N                               | 00432E       | 34.7         | 186.3             | GGGG                |                      | 239                     | 4                      |
| 2534-12083        | 00000/0000                                     | 2-2002A/1125     | 07/09/76       | 10              | 7443                               | 7634N                               | 00006W       | 35.8         | 181.3             | GGGG                |                      | 239                     | 5                      |
| 2534-12381        | 00000/0000                                     | 2-2002A/1086     | 07/09/76       | 90              | 7443                               | 2259S                               | 05221W       | 27.6         | 46.6              | GGGG                |                      | 239                     | 76                     |
| 2534-12383        | 00000/0000                                     | 2-2002A/1087     | 07/09/76       | 90              | 7443                               | 2425S                               | 05243W       | 26.4         | 46.2              | GGFF                |                      | 239                     | 77                     |
| 2534-12390        | 00000/0000                                     | 2-2002A/1088     | 07/09/76       | 90              | 7443                               | 2551S                               | 05206W       | 25.3         | 45.9              | GGGG                |                      | 239                     | 78                     |
| 2534-12395        | 00000/0000                                     | 2-2002A/1089     | 07/09/76       | 90              | 7443                               | 2844S                               | 05363W       | 22.9         | 45.4              | GGGG                |                      | 239                     | 80                     |
| 2534-13524        | 00000/0000                                     | 2-2002A/1090     | 07/09/76       | 100             | 7444                               | 7418N                               | 03312W       | 37.9         | 172.9             | GGGG                |                      | 6                       | 7                      |
| 2534-13531        | 00000/0000                                     | 2-2002A/1091     | 07/09/76       | 100             | 7444                               | 7306N                               | 03608W       | 39.0         | 169.3             | FGGG                |                      | 6                       | 8                      |
| 2534-13590        | 00000/0000                                     | 2-2002A/1129     | 07/09/76       | 100             | 7444                               | 5420N                               | 05604W       | 51.9         | 136.2             | FGGG                |                      | 6                       | 22                     |
| 2534-17253        | 00000/0000                                     | 2-2002A/0978     | 07/09/76       | 80              | 7446                               | 5420N                               | 10745W       | 51.8         | 136.2             | GGGG                |                      | 42                      | 22                     |
| 2534-17255        | 00000/0000                                     | 2-2002A/0979     | 07/09/76       | 70              | 7446                               | 5257N                               | 10829W       | 52.6         | 134.1             | GGGG                |                      | 42                      | 23                     |
| 2534-17262        | 00000/0000                                     | 2-2002A/0980     | 07/09/76       | 30              | 7446                               | 5132N                               | 10911W       | 53.3         | 131.9             | GGGG                |                      | 42                      | 24                     |
| 2534-18591        | 2-20029/0300                                   | 00000/0000       | 07/09/76       | 100             | 7447                               | 8057N                               | 06332W       | 29.1         | 223.0             | PPP                 |                      | 49                      | 246                    |
| 2534-18594        | 2-20029/0301                                   | 00000/0000       | 07/09/76       | 90              | 7447                               | 8036N                               | 07221W       | 30.2         | 213.9             | FFF                 |                      | 43                      | 248                    |
| 2534-19000        | 2-20029/0302                                   | 00000/0000       | 07/09/76       | 90              | 7447                               | 8003N                               | 08029W       | 31.4         | 205.5             | F                   |                      | 61                      | 1                      |
| 2534-20463        | 00000/0000                                     | 2-2002A/0955     | 07/09/76       | 20              | 7448                               | 7150N                               | 14201W       | 40.0         | 166.1             | GGGG                |                      | 78                      | 9                      |
| 2534-22590        | 00000/0000                                     | 2-2002A/1092     | 07/09/76       | 30              | 7449                               | 2720S                               | 15135E       | 24.1         | 45.7              | GGGG                |                      | 96                      | 79                     |
| 2534-22593        | 00000/0000                                     | 2-2002A/1093     | 07/09/76       | 20              | 7449                               | 2846S                               | 15112E       | 22.9         | 45.5              | GGGG                |                      | 96                      | 80                     |
| 2534-22595        | 00000/0000                                     | 2-2002A/1094     | 07/09/76       | 70              | 7449                               | 3012S                               | 15048E       | 21.7         | 45.3              | GGGG                |                      | 96                      | 81                     |
| 2534-23002        | 00000/0000                                     | 2-2002A/1095     | 07/09/76       | 20              | 7449                               | 3138S                               | 15023E       | 20.5         | 45.1              | GGGG                |                      | 96                      | 82                     |
| 2535-00210        | 00000/0000                                     | 2-2002A/1126     | 07/10/76       | 90              | 7450                               | 4552N                               | 14505E       | 55.6         | 122.9             | GGGG                |                      | 114                     | 28                     |
| 2535-00213        | 00000/0000                                     | 2-2002A/1127     | 07/10/76       | 90              | 7450                               | 4428N                               | 14432E       | 56.0         | 120.5             | GGGG                |                      | 114                     | 29                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD; NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2535-00215        | 00000/0000                   | 2-2002R/1128                | 07/10/76         | 90             | 7450            | 4303N                        | 14400E        | 56.5         | 118.1        | GGGG                               |                     |                      | 114                     | 30                     |
| 2535-00224        | 00000/0000                   | 2-2002R/1096                | 07/10/76         | 90             | 7450            | 4013N                        | 14259E        | 57.1         | 113.3        | GGGG                               |                     |                      | 114                     | 32                     |
| 2535-00231        | 00000/0000                   | 2-2002R/1097                | 07/10/76         | 90             | 7450            | 3847N                        | 14229E        | 57.4         | 110.8        | FGGG                               |                     |                      | 114                     | 33                     |
| 2535-00233        | 00000/0000                   | 2-2002R/1098                | 07/10/76         | 80             | 7450            | 3721N                        | 14201E        | 57.6         | 108.3        | FGGG                               |                     |                      | 114                     | 34                     |
| 2535-00240        | 00000/0000                   | 2-2002R/1099                | 07/10/76         | 60             | 7450            | 3556N                        | 14134E        | 57.8         | 105.8        | GGGG                               |                     |                      | 114                     | 35                     |
| 2535-00242        | 00000/0000                   | 2-2002R/1100                | 07/10/76         | 60             | 7450            | 3431N                        | 14107E        | 57.8         | 103.3        | GGGG                               |                     |                      | 114                     | 36                     |
| 2535-00245        | 00000/0000                   | 2-2002R/1101                | 07/10/76         | 80             | 7450            | 3305N                        | 14042E        | 57.9         | 100.8        | GGGG                               |                     |                      | 114                     | 37                     |
| 2535-00210        | 00000/0000                   | 2-2002R/1102                | 07/10/76         | 10             | 7451            | 5706N                        | 12446E        | 50.3         | 140.4        | GGGG                               |                     |                      | 132                     | 20                     |
| 2535-00230        | 00000/0000                   | 2-2002R/1103                | 07/10/76         | 10             | 7451            | 5006N                        | 12103E        | 53.9         | 129.7        | GGGG                               |                     |                      | 132                     | 25                     |
| 2535-00233        | 00000/0000                   | 2-2002R/1104                | 07/10/76         | 10             | 7451            | 4841N                        | 12025E        | 54.5         | 127.4        | GGGG                               |                     |                      | 132                     | 26                     |
| 2535-00235        | 00000/0000                   | 2-2002R/1105                | 07/10/76         | 20             | 7451            | 4716N                        | 11949E        | 55.0         | 125.2        | FFFF                               |                     |                      | 132                     | 27                     |
| 2535-00242        | 00000/0000                   | 2-2002R/1106                | 07/10/76         | 50             | 7451            | 4551N                        | 11915E        | 55.6         | 122.9        | GGGG                               |                     |                      | 132                     | 28                     |
| 2535-00244        | 00000/0000                   | 2-2002R/1107                | 07/10/76         | 90             | 7451            | 4426N                        | 11841E        | 56.0         | 120.5        | GGGG                               |                     |                      | 132                     | 29                     |
| 2535-00251        | 00000/0000                   | 2-2002R/1108                | 07/10/76         | 90             | 7451            | 4302N                        | 11809E        | 56.4         | 118.1        | GGGG                               |                     |                      | 132                     | 30                     |
| 2535-00253        | 00000/0000                   | 2-2002R/1109                | 07/10/76         | 80             | 7451            | 4136N                        | 11739E        | 56.8         | 115.7        | GGGG                               |                     |                      | 132                     | 31                     |
| 2535-00260        | 00000/0000                   | 2-2002R/1110                | 07/10/76         | 60             | 7451            | 4010N                        | 11709E        | 57.1         | 113.3        | GGGG                               |                     |                      | 132                     | 32                     |
| 2535-00262        | 00000/0000                   | 2-2002R/1111                | 07/10/76         | 70             | 7451            | 3845N                        | 11640E        | 57.4         | 110.8        | GGGG                               |                     |                      | 132                     | 33                     |
| 2535-00265        | 00000/0000                   | 2-2002R/1112                | 07/10/76         | 80             | 7451            | 3720N                        | 11612E        | 57.6         | 108.3        | GGGG                               |                     |                      | 132                     | 34                     |
| 2535-00271        | 00000/0000                   | 2-2002R/1113                | 07/10/76         | 70             | 7451            | 3555N                        | 11545E        | 57.8         | 105.8        | GGGG                               |                     |                      | 132                     | 35                     |
| 2535-00274        | 00000/0000                   | 2-2002R/1114                | 07/10/76         | 30             | 7451            | 3430N                        | 11519E        | 57.8         | 103.3        | GGGG                               |                     |                      | 132                     | 36                     |
| 2535-00341        | 00000/0000                   | 2-2002R/1054                | 07/10/76         | 70             | 7452            | 5717N                        | 09859E        | 50.2         | 140.5        | GGGG                               |                     |                      | 150                     | 20                     |
| 2535-00344        | 00000/0000                   | 2-2002R/1055                | 07/10/76         | 70             | 7452            | 5544N                        | 09809E        | 51.0         | 138.4        | GGGG                               |                     |                      | 150                     | 21                     |
| 2535-003450       | 00000/0000                   | 2-2002R/1056                | 07/10/76         | 70             | 7452            | 5421N                        | 09722E        | 51.8         | 136.2        | GGGG                               |                     |                      | 150                     | 22                     |
| 2535-003453       | 00000/0000                   | 2-2002R/1057                | 07/10/76         | 80             | 7452            | 5256N                        | 09637E        | 52.5         | 134.1        | GGGG                               |                     |                      | 150                     | 23                     |
| 2535-003455       | 00000/0000                   | 2-2002R/1058                | 07/10/76         | 60             | 7452            | 5132N                        | 09555E        | 53.2         | 131.9        | GGGG                               |                     |                      | 150                     | 24                     |
| 2535-00352        | 00000/0000                   | 2-2002R/1059                | 07/10/76         | 90             | 7452            | 2558N                        | 08704E        | 57.2         | 88.8         | GGGG                               |                     |                      | 150                     | 42                     |
| 2535-005270       | 00000/0000                   | 2-2002R/1060                | 07/10/76         | 60             | 7453            | 5820N                        | 07405E        | 49.4         | 142.5        | GGGG                               |                     |                      | 168                     | 19                     |
| 2535-005273       | 00000/0000                   | 2-2002R/1061                | 07/10/76         | 30             | 7453            | 5708N                        | 07312E        | 50.2         | 140.4        | GGGG                               |                     |                      | 168                     | 20                     |
| 2535-005275       | 00000/0000                   | 2-2002R/1062                | 07/10/76         | 30             | 7453            | 5544N                        | 07222E        | 51.0         | 138.4        | GGGG                               |                     |                      | 168                     | 21                     |
| 2535-005282       | 00000/0000                   | 2-2002R/1063                | 07/10/76         | 50             | 7453            | 5420N                        | 07135E        | 51.8         | 136.2        | GGGG                               |                     |                      | 168                     | 22                     |
| 2535-005284       | 00000/0000                   | 2-2002R/1064                | 07/10/76         | 50             | 7453            | 5257N                        | 07049E        | 52.5         | 134.1        | GGGG                               |                     |                      | 168                     | 23                     |
| 2535-005291       | 00000/0000                   | 2-2002R/1065                | 07/10/76         | 80             | 7453            | 5133N                        | 07006E        | 53.2         | 131.9        | GGGG                               |                     |                      | 168                     | 24                     |
| 2535-005293       | 00000/0000                   | 2-2002R/1066                | 07/10/76         | 40             | 7453            | 5009N                        | 06926E        | 53.8         | 129.7        | GGGG                               |                     |                      | 168                     | 25                     |
| 2535-005300       | 00000/0000                   | 2-2002R/1067                | 07/10/76         | 40             | 7453            | 4844N                        | 06848E        | 54.4         | 127.5        | GGGG                               |                     |                      | 168                     | 26                     |
| 2535-005302       | 00000/0000                   | 2-2002R/1068                | 07/10/76         | 40             | 7453            | 4720N                        | 06812E        | 55.0         | 125.3        | GGGG                               |                     |                      | 168                     | 27                     |
| 2535-005305       | 00000/0000                   | 2-2002R/1069                | 07/10/76         | 10             | 7453            | 4555N                        | 06737E        | 55.5         | 123.0        | GGGG                               |                     |                      | 168                     | 28                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2535-05311        | 00000/0000                                     | 2-20024/1070     | 07/10/76       | 10              | 7453 4430N                              | 06704E       | 56.0 120.6   | GGGG                  |                     |                      |                         |                        |
| 2535-07095        | 00000/0000                                     | 2-20024/1071     | 07/10/76       | 70              | 7454 5953N                              | 04913E       | 48.6 144.6   | GGGG                  |                     |                      | 168                     | 29                     |
| 2535-07102        | 00000/0000                                     | 2-20024/1072     | 07/10/76       | 50              | 7454 5830N                              | 04815E       | 49.4 142.5   | GGGG                  |                     |                      | 186                     | 18                     |
| 2535-07104        | 00000/0000                                     | 2-20024/1073     | 07/10/76       | 30              | 7454 5717N                              | 04720E       | 50.2 140.4   | GGGG                  |                     |                      | 186                     | 19                     |
| 2535-07111        | 00000/0000                                     | 2-20024/1074     | 07/10/76       | 40              | 7454 5543N                              | 04630E       | 51.0 138.3   | GGGG                  |                     |                      | 186                     | 20                     |
| 2535-07113        | 00000/0000                                     | 2-20024/1075     | 07/10/76       | 50              | 7454 5420N                              | 04543E       | 51.8 136.2   | GGGG                  |                     |                      | 186                     | 21                     |
| 2535-07120        | 00000/0000                                     | 2-20024/1076     | 07/10/76       | 60              | 7454 5256N                              | 04458E       | 52.5 134.1   | GGGG                  |                     |                      | 186                     | 22                     |
| 2535-07122        | 00000/0000                                     | 2-20024/1077     | 07/10/76       | 80              | 7454 5132N                              | 04417E       | 53.2 131.9   | GGGG                  |                     |                      | 186                     | 23                     |
| 2535-07125        | 00000/0000                                     | 2-20024/1078     | 07/10/76       | 90              | 7454 5007N                              | 04337E       | 53.8 129.7   | GGGG                  |                     |                      | 186                     | 24                     |
| 2535-07131        | 00000/0000                                     | 2-20024/1079     | 07/10/76       | 90              | 7454 4844N                              | 04259E       | 54.4 127.5   | GGGG                  |                     |                      | 186                     | 25                     |
| 2535-07134        | 00000/0000                                     | 2-20024/1080     | 07/10/76       | 40              | 7454 4719N                              | 04223E       | 55.0 125.3   | GGGG                  |                     |                      | 186                     | 26                     |
| 2535-07140        | 00000/0000                                     | 2-20024/1081     | 07/10/76       | 70              | 7454 4554N                              | 04148E       | 55.5 123.0   | GGGG                  |                     |                      | 186                     | 27                     |
| 2535-07143        | 00000/0000                                     | 2-20024/1082     | 07/10/76       | 80              | 7454 4429N                              | 04115E       | 56.0 120.6   | GGGG                  |                     |                      | 186                     | 28                     |
| 2535-07146        | 00000/0000                                     | 2-20024/1083     | 07/10/76       | 10              | 7454 3848N                              | 03913E       | 57.4 110.9   | GGGG                  |                     |                      | 186                     | 29                     |
| 2535-07163        | 00000/0000                                     | 2-20024/1084     | 07/10/76       | 0               | 7454 3723N                              | 03845E       | 57.6 108.4   | GGGG                  |                     |                      | 186                     | 33                     |
| 2535-07170        | 00000/0000                                     | 2-20024/1085     | 07/10/76       | 0               | 7454 3557N                              | 03818E       | 57.7 105.9   | GGGG                  |                     |                      | 186                     | 34                     |
| 2535-08540        | 00000/0000                                     | 2-20029/0001     | 07/10/76       | 90              | 7455 5716N                              | 02131E       | 50.2 140.4   | GGGG                  |                     |                      | 204                     | 35                     |
| 2535-08545        | 00000/0000                                     | 2-20029/0002     | 07/10/76       | 90              | 7455 5419N                              | 01953E       | 51.8 136.2   | GGGG                  |                     |                      | 204                     | 20                     |
| 2535-10304        | 00000/0000                                     | 2-20029/0003     | 07/10/76       | 60              | 7456 7736N                              | 02851E       | 34.6 186.2   | GGGG                  |                     |                      | 222                     | 22                     |
| 2535-10310        | 00000/0000                                     | 2-20029/0004     | 07/10/76       | 70              | 7456 7633N                              | 02416E       | 35.7 181.2   | GGGG                  |                     |                      | 222                     | 4                      |
| 2535-10313        | 00000/0000                                     | 2-20029/0005     | 07/10/76       | 60              | 7456 7527N                              | 02020E       | 36.7 176.7   | GGGG                  |                     |                      | 222                     | 5                      |
| 2535-12124        | 00000/0000                                     | 2-20029/0006     | 07/10/76       | 40              | 7457 8007N                              | 02148E       | 31.2 206.1   | GGGG                  |                     |                      | 240                     | 6                      |
| 2535-12130        | 00000/0000                                     | 2-20029/0007     | 07/10/76       | 20              | 7457 7925N                              | 01438E       | 32.3 198.6   | GGGG                  |                     |                      | 240                     | 1                      |
| 2535-12133        | 00000/0000                                     | 2-20029/0008     | 07/10/76       | 70              | 7457 7816N                              | 00821E       | 33.4 191.9   | GGGG                  |                     |                      | 240                     | 2                      |
| 2535-12135        | 00000/0000                                     | 2-20029/0009     | 07/10/76       | 50              | 7457 7736N                              | 00257E       | 34.6 186.2   | GGGG                  |                     |                      | 240                     | 3                      |
| 2535-12142        | 00000/0000                                     | 2-20029/0010     | 07/10/76       | 10              | 7457 7633N                              | 00137W       | 35.6 181.1   | GGGG                  |                     |                      | 240                     | 4                      |
| 2535-12442        | 00000/0000                                     | 2-20029/0011     | 07/10/76       | 10              | 7457 2426S                              | 05409W       | 26.5 46.4    | FFGG                  |                     |                      | 240                     | 5                      |
| 2535-12451        | 00000/0000                                     | 2-20029/1134     | 07/10/76       | 10              | 7457 2719S                              | 05455W       | 24.1 45.8    | FFGG                  |                     |                      | 240                     | 77                     |
| 2535-12453        | 00000/0000                                     | 2-20029/1135     | 07/10/76       | 0               | 7457 2845S                              | 05518W       | 22.9 45.6    | FFGF                  |                     |                      | 240                     | 79                     |
| 2535-12460        | 00000/0000                                     | 2-20029/1136     | 07/10/76       | 0               | 7457 3011S                              | 05543W       | 21.8 45.4    | FFGF                  |                     |                      | 240                     | 80                     |
| 2535-12474        | 00000/0000                                     | 2-20029/1137     | 07/10/76       | 0               | 7457 3554S                              | 05725W       | 16.9 44.9    | FFFP                  |                     |                      | 240                     | 81                     |
| 2535-12480        | 00000/0000                                     | 2-20029/1138     | 07/10/76       | 0               | 7457 3720S                              | 05753W       | 15.7 44.9    | FFFP                  |                     |                      | 240                     | 85                     |
| 2535-12483        | 00000/0000                                     | 2-20029/1139     | 07/10/76       | 0               | 7457 3845S                              | 05820W       | 14.5 44.9    | FFGP                  |                     |                      | 240                     | 86                     |
| 2535-13555        | 00000/0000                                     | 2-20029/1140     | 07/10/76       | 70              | 7458 8006N                              | 00359W       | 31.2 206.0   | GGGG                  |                     |                      | 240                     | 87                     |
| 2535-13562        | 00000/0000                                     | 2-20029/1141     | 07/10/76       | 10              | 7458 7924N                              | 01110W       | 32.3 198.5   | GGGG                  |                     |                      | 7                       | 1                      |
| 2535-13564        | 00000/0000                                     | 2-20029/1142     | 07/10/76       | 10              | 7458 7833N                              | 01726W       | 33.4 191.9   | GGGG                  |                     |                      | 7                       | 2                      |
|                   |                                                |                  |                |                 |                                         |              |              |                       |                     |                      | 7                       | 3                      |

KEYS: CLOUD COVER 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|--------------|----------------------|-------------------------|------------------------|
| 2535-13571        | 00000/0000                                     | 2-20029/1143     | 07/10/76    | 20              | 7458                               | 7736N                               | 02248W       | 34.5         | 186.1                 | GGGG         |                      | 7                       | 4                      |
| 2535-14035        | 00000/0000                                     | 2-20029/1017     | 07/10/76    | 90              | 7458                               | 5707N                               | 05551W       | 50.2         | 140.4                 | GGGG         |                      | 7                       | 20                     |
| 2535-14041        | 00000/0000                                     | 2-20029/1018     | 07/10/76    | 90              | 7458                               | 5543N                               | 05641W       | 51.0         | 138.3                 | GGGG         |                      | 7                       | 21                     |
| 2535-14044        | 00000/0000                                     | 2-20029/1019     | 07/10/76    | 90              | 7458                               | 5419N                               | 05729W       | 51.7         | 136.2                 | GGGG         |                      | 7                       | 22                     |
| 2535-15491        | 00000/0000                                     | 2-20029/1020     | 07/10/76    | 70              | 7459                               | 5005N                               | 08527W       | 53.8         | 129.7                 | GGGG         |                      | 25                      | 25                     |
| 2535-17220        | 2-20029/0303                                   | 00000/0000       | 07/10/76    | 100             | 7460                               | 8037N                               | 04816W       | 30.1         | 213.7                 | PPF          |                      | 26                      | 248                    |
| 2535-17223        | 2-20029/0304                                   | 00000/0000       | 07/10/76    | 90              | 7460                               | 8004N                               | 05620W       | 31.3         | 205.4                 | PPF          |                      | 44                      | 1                      |
| 2535-17225        | 2-20029/0305                                   | 00000/0000       | 07/10/76    | 90              | 7460                               | 7921N                               | 06326W       | 32.4         | 197.9                 | FG           |                      | 44                      | 2                      |
| 2535-17232        | 2-20029/0306                                   | 00000/0000       | 07/10/76    | 90              | 7460                               | 7829N                               | 06935W       | 33.5         | 191.4                 | PPF          |                      | 44                      | 3                      |
| 2535-17234        | 2-20029/0307                                   | 00000/0000       | 07/10/76    | 90              | 7460                               | 7731N                               | 07450W       | 34.6         | 185.7                 | PPF          |                      | 44                      | 4                      |
| 2535-17311        | 00000/0000                                     | 2-20029/0889     | 07/10/76    | 90              | 7460                               | 5419N                               | 10911W       | 51.7         | 136.2                 | GGGG         |                      | 43                      | 22                     |
| 2535-17314        | 00000/0000                                     | 2-20029/0890     | 07/10/76    | 50              | 7460                               | 5255N                               | 10955W       | 52.4         | 134.1                 | GGGG         |                      | 43                      | 23                     |
| 2535-17320        | 00000/0000                                     | 2-20029/0891     | 07/10/76    | 20              | 7460                               | 5131N                               | 11038W       | 53.1         | 131.9                 | GGGG         |                      | 43                      | 24                     |
| 2535-19045        | 2-20029/0308                                   | 00000/0000       | 07/10/76    | 90              | 7461                               | 8059N                               | 06456W       | 28.9         | 223.2                 | F G          |                      | 50                      | 246                    |
| 2535-19052        | 2-20029/0309                                   | 00000/0000       | 07/10/76    | 90              | 7461                               | 8038N                               | 07347W       | 30.1         | 214.0                 | PP           |                      | 43                      | 248                    |
| 2535-20492        | 00000/0000                                     | 2-20029/1170     | 07/10/76    | 10              | 7462                               | 7925N                               | 11412W       | 32.3         | 198.7                 | FFGG         |                      | 79                      | 2                      |
| 2535-20495        | 00000/0000                                     | 2-20029/1171     | 07/10/76    | 70              | 7462                               | 7834N                               | 12027W       | 33.4         | 192.1                 | FGFG         |                      | 79                      | 3                      |
| 2535-20501        | 00000/0000                                     | 2-20029/1172     | 07/10/76    | 90              | 7462                               | 7737N                               | 12551W       | 34.5         | 186.3                 | FFFG         |                      | 79                      | 4                      |
| 2535-20504        | 00000/0000                                     | 2-20029/1173     | 07/10/76    | 20              | 7462                               | 7635N                               | 13029W       | 35.6         | 181.2                 | FFGG         |                      | 79                      | 5                      |
| 2535-20510        | 00000/0000                                     | 2-20029/1174     | 07/10/76    | 10              | 7462                               | 7529N                               | 13425W       | 36.7         | 176.8                 | FFFG         |                      | 79                      | 6                      |
| 2535-20513        | 00000/0000                                     | 2-20029/1175     | 07/10/76    | 10              | 7462                               | 7419N                               | 13750W       | 37.7         | 172.9                 | FGGG         |                      | 79                      | 7                      |
| 2535-20515        | 00000/0000                                     | 2-20029/1176     | 07/10/76    | 80              | 7462                               | 7306N                               | 14048W       | 38.8         | 169.3                 | PGGG         |                      | 79                      | 8                      |
| 2535-20522        | 00000/0000                                     | 2-20029/1177     | 07/10/76    | 30              | 7462                               | 7152N                               | 14321W       | 39.8         | 166.1                 | FGGG         |                      | 79                      | 9                      |
| 2535-23044        | 00000/0000                                     | 2-20029/1144     | 07/10/76    | 90              | 7463                               | 2719S                               | 15008E       | 24.2         | 45.9                  | GFGG         |                      | 97                      | 79                     |
| 2536-02064        | 00000/0000                                     | 2-20029/0012     | 07/11/76    | 30              | 7465                               | 5707N                               | 12321E       | 50.1         | 140.4                 | GGGG         |                      | 133                     | 20                     |
| 2536-02084        | 00000/0000                                     | 2-20029/0013     | 07/11/76    | 10              | 7465                               | 5009N                               | 11937E       | 53.7         | 129.8                 | FGGG         |                      | 133                     | 25                     |
| 2536-02091        | 00000/0000                                     | 2-20029/0014     | 07/11/76    | 10              | 7465                               | 4844N                               | 11859E       | 54.3         | 127.6                 | GGGG         |                      | 133                     | 26                     |
| 2536-02105        | 00000/0000                                     | 2-20029/1145     | 07/11/76    | 90              | 7465                               | 4304N                               | 11645E       | 56.3         | 118.3                 | GGGG         |                      | 133                     | 30                     |
| 2536-02111        | 00000/0000                                     | 2-20029/1146     | 07/11/76    | 90              | 7465                               | 4139N                               | 11614E       | 56.7         | 115.9                 | GGGG         |                      | 133                     | 31                     |
| 2536-02114        | 00000/0000                                     | 2-20029/1147     | 07/11/76    | 60              | 7465                               | 4014N                               | 11544E       | 57.0         | 113.5                 | GGGG         |                      | 133                     | 32                     |
| 2536-02120        | 00000/0000                                     | 2-20029/1148     | 07/11/76    | 30              | 7465                               | 3849N                               | 11515E       | 57.3         | 111.0                 | FGGG         |                      | 133                     | 33                     |
| 2536-02123        | 00000/0000                                     | 2-20029/1149     | 07/11/76    | 20              | 7465                               | 3723N                               | 11446E       | 57.5         | 108.6                 | GGGG         |                      | 133                     | 34                     |
| 2536-02125        | 00000/0000                                     | 2-20029/1150     | 07/11/76    | 10              | 7465                               | 3567N                               | 11419E       | 57.6         | 106.1                 | GGGG         |                      | 133                     | 35                     |
| 2536-02132        | 00000/0000                                     | 2-20029/1151     | 07/11/76    | 30              | 7465                               | 3432N                               | 11353E       | 57.7         | 103.6                 | GGGG         |                      | 133                     | 36                     |
| 2536-03493        | 00000/0000                                     | 2-20029/1181     | 07/11/76    | 20              | 7466                               | 5829N                               | 09824E       | 49.3         | 142.5                 | FG           |                      | 151                     | 19                     |
| 2536-03500        | 00000/0000                                     | 2-20029/1182     | 07/11/76    | 10              | 7466                               | 5746N                               | 09731E       | 50.1         | 140.4                 | FGFF         |                      | 151                     | 20                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = X CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RAY | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2536-03502        | 00000/0000                                     | 2-2002R/1183     | 07/11/76       | 10              | 7466                               | 5543N         | 09440E       | 50.9         | 138.4                              |                     |                      |                         |                        |
| 2536-03505        | 00000/0000                                     | 2-2002R/1184     | 07/11/76       | 10              | 7466                               | 5419N         | 09553E       | 51.7         | 136.2                              | FFFF                |                      | 151                     | 21                     |
| 2536-03511        | 00000/0000                                     | 2-2002R/1185     | 07/11/76       | 0               | 7466                               | 5255N         | 09509E       | 52.4         | 134.1                              | FFFF                |                      | 151                     | 22                     |
| 2536-03514        | 00000/0000                                     | 2-2002R/1186     | 07/11/76       | 10              | 7466                               | 5131N         | 09427E       | 53.1         | 132.0                              | FFGF                |                      | 151                     | 23                     |
| 2536-04034        | 00000/0000                                     | 2-2002R/1187     | 07/11/76       | 50              | 7466                               | 1007N         | 08141E       | 51.1         | 67.2                               | PPGF                |                      | 151                     | 24                     |
| 2536-04041        | 00000/0000                                     | 2-2002R/1021     | 07/11/76       | 40              | 7466                               | 0840N         | 08121E       | 50.3         | 65.7                               | PPFF                |                      | 151                     | 53                     |
| 2536-04043        | 00000/0000                                     | 2-2002R/1022     | 07/11/76       | 20              | 7466                               | 0714N         | 08100E       | 49.5         | 64.2                               | GGGG                |                      | 151                     | 54                     |
| 2536-04050        | 00000/0000                                     | 2-2002R/1023     | 07/11/76       | 10              | 7466                               | 0547N         | 08040E       | 48.6         | 62.8                               | GGGG                |                      | 151                     | 55                     |
| 2536-05325        | 00000/0000                                     | 2-2002R/1024     | 07/11/76       | 70              | 7467                               | 5829N         | 07239E       | 49.3         | 142.5                              | GGGG                |                      | 151                     | 56                     |
| 2536-05331        | 00000/0000                                     | 2-2002R/1025     | 07/11/76       | 60              | 7467                               | 5707N         | 07145E       | 50.1         | 140.4                              | GGGG                |                      | 169                     | 19                     |
| 2536-05334        | 00000/0000                                     | 2-2002R/1026     | 07/11/76       | 60              | 7467                               | 5543N         | 07053E       | 50.9         | 138.3                              | GGGG                |                      | 169                     | 20                     |
| 2536-05340        | 00000/0000                                     | 2-2002R/1027     | 07/11/76       | 60              | 7467                               | 5419N         | 07006E       | 51.7         | 136.2                              | GGGG                |                      | 169                     | 21                     |
| 2536-05343        | 00000/0000                                     | 2-2002R/1028     | 07/11/76       | 30              | 7467                               | 5255N         | 06921E       | 52.4         | 134.1                              | GGGG                |                      | 169                     | 22                     |
| 2536-05345        | 00000/0000                                     | 2-2002R/1029     | 07/11/76       | 60              | 7467                               | 5131N         | 06839E       | 53.1         | 132.0                              | GGGG                |                      | 169                     | 23                     |
| 2536-05352        | 00000/0000                                     | 2-2002R/1030     | 07/11/76       | 50              | 7467                               | 5007N         | 06800E       | 53.7         | 129.8                              | GGGG                |                      | 169                     | 24                     |
| 2536-05354        | 00000/0000                                     | 2-2002R/1031     | 07/11/76       | 30              | 7467                               | 4842N         | 06722E       | 54.3         | 127.6                              | GGGG                |                      | 169                     | 25                     |
| 2536-05361        | 00000/0000                                     | 2-2002R/1032     | 07/11/76       | 40              | 7467                               | 4718N         | 06646E       | 54.9         | 125.3                              | GGGG                |                      | 169                     | 26                     |
| 2536-05363        | 00000/0000                                     | 2-2002R/1033     | 07/11/76       | 10              | 7467                               | 4543N         | 06611E       | 55.4         | 123.0                              | GGGG                |                      | 169                     | 27                     |
| 2536-05370        | 00000/0000                                     | 2-2002R/1034     | 07/11/76       | 0               | 7467                               | 4428N         | 06538E       | 55.9         | 120.7                              | GGGG                |                      | 169                     | 28                     |
| 2536-05395        | 00000/0000                                     | 2-2002R/1035     | 07/11/76       | 0               | 7467                               | 3430N         | 06213E       | 57.7         | 103.6                              | GGGG                |                      | 169                     | 29                     |
| 2536-05402        | 00000/0000                                     | 2-2002R/1036     | 07/11/76       | 0               | 7467                               | 3355N         | 06147E       | 57.8         | 101.1                              | GGGG                |                      | 169                     | 36                     |
| 2536-05404        | 00000/0000                                     | 2-2002R/1037     | 07/11/76       | 10              | 7467                               | 3139N         | 06122E       | 57.7         | 98.6                               | GGGG                |                      | 169                     | 37                     |
| 2536-05411        | 00000/0000                                     | 2-2002R/1038     | 07/11/76       | 0               | 7467                               | 3013N         | 06057E       | 57.7         | 96.2                               | GGGG                |                      | 169                     | 38                     |
| 2536-05413        | 00000/0000                                     | 2-2002R/1039     | 07/11/76       | 0               | 7467                               | 2848N         | 06033E       | 57.5         | 93.7                               | GGGG                |                      | 169                     | 39                     |
| 2536-05420        | 00000/0000                                     | 2-2002R/1040     | 07/11/76       | 0               | 7467                               | 2722N         | 06010E       | 57.3         | 91.3                               | GGGG                |                      | 169                     | 40                     |
| 2536-05422        | 00000/0000                                     | 2-2002R/1041     | 07/11/76       | 10              | 7467                               | 2556N         | 05947E       | 57.1         | 89.0                               | GGGG                |                      | 169                     | 41                     |
| 2536-07160        | 00000/0000                                     | 2-2002R/1042     | 07/11/76       | 60              | 7468                               | 5829N         | 04447E       | 49.3         | 142.5                              | GGGG                |                      | 169                     | 42                     |
| 2536-07163        | 00000/0000                                     | 2-2002R/1043     | 07/11/76       | 60              | 7468                               | 5705N         | 04554E       | 50.1         | 140.4                              | GGGG                |                      | 187                     | 19                     |
| 2536-07165        | 00000/0000                                     | 2-2002R/1044     | 07/11/76       | 40              | 7468                               | 5542N         | 04504E       | 50.9         | 138.3                              | GGGG                |                      | 187                     | 20                     |
| 2536-07172        | 00000/0000                                     | 2-2002R/1045     | 07/11/76       | 30              | 7468                               | 5419N         | 04417E       | 51.6         | 136.2                              | GGGG                |                      | 187                     | 21                     |
| 2536-07174        | 00000/0000                                     | 2-2002R/1046     | 07/11/76       | 30              | 7468                               | 5254N         | 04332E       | 52.4         | 134.1                              | GGGG                |                      | 187                     | 22                     |
| 2536-07181        | 00000/0000                                     | 2-2002R/1047     | 07/11/76       | 20              | 7468                               | 5131N         | 04249E       | 53.1         | 132.0                              | GGGG                |                      | 187                     | 23                     |
| 2536-07183        | 00000/0000                                     | 2-2002R/1048     | 07/11/76       | 70              | 7468                               | 5006N         | 04209E       | 53.7         | 129.8                              | GGGG                |                      | 187                     | 24                     |
| 2536-07190        | 00000/0000                                     | 2-2002R/1049     | 07/11/76       | 40              | 7468                               | 4842N         | 04131E       | 54.3         | 127.6                              | GGGG                |                      | 187                     | 25                     |
| 2536-07192        | 00000/0000                                     | 2-2002R/1050     | 07/11/76       | 10              | 7468                               | 4717N         | 04055E       | 54.9         | 125.3                              | GGGG                |                      | 187                     | 26                     |
| 2536-07195        | 00000/0000                                     | 2-2002R/1051     | 07/11/76       | 10              | 7468                               | 4543N         | 04020E       | 55.4         | 123.0                              | GGGG                |                      | 187                     | 27                     |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... PLANKS, BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=MID GAIN, H=HIGH GAIN

02:44 APR 25, 177

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>REEL | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE | PRINT<br>LAT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------|------------------|------------------|----------------|-----------------|-----------------------|----------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2536-07201        | 00000/0000                       | 2-20029/1052     | 07/11/76         | 30             | 7468            | 4428N                 | 03947E               | 55.9         | 120.7        |                       |                     |                      | 187                     | 29                     |
| 2536-10355        | 00000/0000                       | 2-20029/1188     | 07/11/76         | 90             | 7470            | 7823N                 | 03242E               | 33.3         | 191.8        | GGGG                  |                     |                      | 223                     | 3                      |
| 2536-10362        | 00000/0000                       | 2-20029/1189     | 07/11/76         | 90             | 7470            | 7735N                 | 02719E               | 34.4         | 186.1        | GGGG                  |                     |                      | 223                     | 4                      |
| 2536-10364        | 00000/0000                       | 2-20029/1190     | 07/11/76         | 50             | 7470            | 7634N                 | 02246E               | 35.5         | 181.0        | GGGG                  |                     |                      | 223                     | 5                      |
| 2536-10371        | 00000/0000                       | 2-20029/1191     | 07/11/76         | 30             | 7470            | 7526N                 | 01449E               | 36.6         | 176.6        | FFFF                  |                     |                      | 223                     | 6                      |
| 2536-12175        | 00000/0000                       | 2-20029/1192     | 07/11/76         | 80             | 7471            | 8038N                 | 02453E               | 29.9         | 214.6        | GGGG                  |                     |                      | 223                     | 248                    |
| 2536-12182        | 00000/0000                       | 2-20029/1193     | 07/11/76         | 90             | 7471            | 8009N                 | 02051E               | 31.0         | 206.2        | GGGG                  |                     |                      | 241                     | 1                      |
| 2536-12193        | 00000/0000                       | 2-20029/1316     | 07/11/76         | 70             | 7471            | 7736N                 | 00143E               | 34.4         | 186.3        | GGGG                  |                     |                      | 241                     | 4                      |
| 2536-12200        | 00000/0000                       | 2-20029/1317     | 07/11/76         | 90             | 7471            | 7635N                 | 00247W               | 35.5         | 181.2        | GGGG                  |                     |                      | 241                     | 5                      |
| 2536-12511        | 00000/0000                       | 2-20029/1318     | 07/11/76         | 10             | 7471            | 2844S                 | 05644W               | 23.0         | 45.7         | GGGG                  |                     |                      | 241                     | 80                     |
| 2536-12514        | 00000/0000                       | 2-20029/1319     | 07/11/76         | 10             | 7471            | 3010S                 | 05710W               | 21.8         | 45.5         | FFFF                  |                     |                      | 241                     | 81                     |
| 2536-12520        | 00000/0000                       | 2-20029/1320     | 07/11/76         | 10             | 7471            | 3135S                 | 05733W               | 20.7         | 45.3         | GGGG                  |                     |                      | 241                     | 82                     |
| 2536-12523        | 00000/0000                       | 2-20029/1321     | 07/11/76         | 0              | 7471            | 3300S                 | 05757W               | 19.5         | 45.2         | FF                    |                     |                      | 241                     | 83                     |
| 2536-12525        | 00000/0000                       | 2-20029/1322     | 07/11/76         | 0              | 7471            | 3426S                 | 05824W               | 18.3         | 45.1         | FFFF                  |                     |                      | 241                     | 84                     |
| 2536-12532        | 00000/0000                       | 2-20029/1323     | 07/11/76         | 20             | 7471            | 3535S                 | 05851W               | 17.1         | 45.0         | PPPP                  |                     |                      | 241                     | 85                     |
| 2536-12541        | 00000/0000                       | 2-20029/1324     | 07/11/76         | 90             | 7471            | 3844S                 | 05947W               | 14.6         | 45.0         | GGGG                  |                     |                      | 241                     | 87                     |
| 2536-14011        | 00000/0000                       | 2-20029/1325     | 07/11/76         | 70             | 7472            | 8040N                 | 00255E               | 29.9         | 214.6        | GGGG                  |                     |                      | 241                     | 248                    |
| 2536-14014        | 00000/0000                       | 2-20029/1326     | 07/11/76         | 70             | 7472            | 8010N                 | 00505W               | 31.0         | 206.2        | GGGG                  |                     |                      | 8                       | 1                      |
| 2536-14020        | 00000/0000                       | 2-20029/1327     | 07/11/76         | 20             | 7472            | 7929N                 | 01217W               | 32.2         | 198.7        | GGGG                  |                     |                      | 8                       | 2                      |
| 2536-14025        | 00000/0000                       | 2-20029/1328     | 07/11/76         | 60             | 7472            | 7737N                 | 02410W               | 34.4         | 186.2        | GGGG                  |                     |                      | 8                       | 4                      |
| 2536-14093        | 00000/0000                       | 2-20029/0956     | 07/11/76         | 60             | 7472            | 5708N                 | 05721W               | 50.0         | 140.5        | GGGG                  |                     |                      | 8                       | 20                     |
| 2536-14100        | 00000/0000                       | 2-20029/0957     | 07/11/76         | 100            | 7472            | 5545N                 | 05810W               | 50.8         | 138.4        | GGGG                  |                     |                      | 8                       | 21                     |
| 2536-14102        | 00000/0000                       | 2-20029/0958     | 07/11/76         | 90             | 7472            | 5421N                 | 05857W               | 51.6         | 136.3        | GGGG                  |                     |                      | 8                       | 22                     |
| 2536-17274        | 2-20029/0310                     | 00000/0000       | 07/11/76         | 90             | 7474            | 8040N                 | 04842W               | 29.9         | 214.6        | PPF                   |                     |                      | 26                      | 248                    |
| 2536-17281        | 2-20029/0311                     | 00000/0000       | 07/11/76         | 90             | 7474            | 8008N                 | 05653W               | 31.0         | 206.2        | PPF                   |                     |                      | 44                      | 1                      |
| 2536-17283        | 2-20029/0312                     | 00000/0000       | 07/11/76         | 90             | 7474            | 7926N                 | 06406W               | 32.1         | 198.6        | PPP                   |                     |                      | 44                      | 2                      |
| 2536-17292        | 2-20029/0313                     | 00000/0000       | 07/11/76         | 90             | 7474            | 7748N                 | 07544W               | 34.4         | 186.2        | FFF                   |                     |                      | 44                      | 4                      |
| 2536-17365        | 00000/0000                       | 2-20029/1130     | 07/11/76         | 80             | 7474            | 5422W                 | 11036W               | 51.6         | 136.3        | F GG                  |                     |                      | 44                      | 22                     |
| 2536-17372        | 00000/0000                       | 2-20029/1131     | 07/11/76         | 90             | 7474            | 5258N                 | 11120W               | 52.3         | 134.2        | F GG                  |                     |                      | 44                      | 23                     |
| 2536-17374        | 00000/0000                       | 2-20029/1132     | 07/11/76         | 80             | 7474            | 5134N                 | 11202W               | 53.0         | 132.0        | F GG                  |                     |                      | 44                      | 24                     |
| 2536-17433        | 00000/0000                       | 2-20029/1133     | 07/11/76         | 90             | 7474            | 3142N                 | 11918W               | 57.7         | 98.8         | PPFG                  |                     |                      | 44                      | 38                     |
| 2536-20544        | 00000/0000                       | 2-20029/1307     | 07/11/76         | 90             | 7476            | 8007N                 | 10836W               | 31.0         | 206.1        | GGGG                  |                     |                      | 80                      | 1                      |
| 2536-20550        | 00000/0000                       | 2-20029/1308     | 07/11/76         | 90             | 7476            | 7925N                 | 11549W               | 32.1         | 198.6        | GGGG                  |                     |                      | 80                      | 2                      |
| 2536-20553        | 00000/0000                       | 2-20029/1309     | 07/11/76         | 90             | 7476            | 7834N                 | 12206W               | 33.2         | 192.0        | GGGG                  |                     |                      | 80                      | 3                      |
| 2536-20555        | 00000/0000                       | 2-20029/1310     | 07/11/76         | 90             | 7476            | 7737N                 | 12729W               | 34.4         | 186.2        | GGGG                  |                     |                      | 80                      | 4                      |
| 2536-20562        | 00000/0000                       | 2-20029/1311     | 07/11/76         | 80             | 7476            | 7635N                 | 13205W               | 35.5         | 181.1        | GGGG                  |                     |                      | 80                      | 5                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2536-20564        | 00000/0000                   | 2-2002R/1312                | 07/11/76         | 80             | 7476            | 7528N                        | 13603W        | 36.5         | 176.7        |                                    |                     |                      | 80                      | 6                      |
| 2536-20571        | 00000/0000                   | 2-2002R/1313                | 07/11/76         | 40             | 7476            | 7418N                        | 13927W        | 37.6         | 172.8        | GGGG                               |                     |                      | 80                      | 7                      |
| 2536-20573        | 00000/0000                   | 2-2002R/1314                | 07/11/76         | 30             | 7476            | 7305N                        | 14222W        | 38.7         | 169.3        | GGGG                               |                     |                      | 80                      | 8                      |
| 2536-20580        | 00000/0000                   | 2-2002R/1315                | 07/11/76         | 30             | 7476            | 7151N                        | 14455W        | 39.7         | 166.1        | GGGG                               |                     |                      | 80                      | 9                      |
| 2536-23130        | 00000/0000                   | 2-2002R/1194                | 07/11/76         | 10             | 7477            | 3545S                        | 14415E        | 17.1         | 45.1         | FFFF                               |                     |                      | 98                      | 85                     |
| 2536-23132        | 00000/0000                   | 2-2002R/1195                | 07/11/76         | 20             | 7477            | 3720S                        | 14548E        | 15.8         | 45.1         | PPFF                               |                     |                      | 98                      | 86                     |
| 2537-00550        | 00000/0000                   | 2-2002R/1196                | 07/12/76         | 60             | 7478            | 3138S                        | 12141E        | 20.7         | 45.4         | FFFG                               |                     |                      | 116                     | 82                     |
| 2537-00552        | 00000/0000                   | 2-2002R/1197                | 07/12/76         | 60             | 7478            | 3304S                        | 12116E        | 19.5         | 45.3         | FFFF                               |                     |                      | 116                     | 83                     |
| 2537-02143        | 00000/0000                   | 2-2002R/1198                | 07/12/76         | 10             | 7479            | 5006N                        | 11413E        | 53.6         | 129.8        | PPGF                               |                     |                      | 134                     | 25                     |
| 2537-02145        | 00000/0000                   | 2-2002R/1235                | 07/12/76         | 10             | 7479            | 4842N                        | 11735E        | 54.2         | 127.6        | G GG                               |                     |                      | 134                     | 26                     |
| 2537-02163        | 00000/0000                   | 2-2002R/1236                | 07/12/76         | 60             | 7479            | 4303N                        | 11517E        | 56.2         | 118.4        | GGGG                               |                     |                      | 134                     | 30                     |
| 2537-02170        | 00000/0000                   | 2-2002R/1237                | 07/12/76         | 60             | 7479            | 4138N                        | 11446E        | 56.6         | 116.0        | GGGG                               |                     |                      | 134                     | 31                     |
| 2537-02172        | 00000/0000                   | 2-2002R/1238                | 07/12/76         | 50             | 7479            | 4013N                        | 11417E        | 56.9         | 113.6        | GGGG                               |                     |                      | 134                     | 32                     |
| 2537-02175        | 00000/0000                   | 2-2002R/1239                | 07/12/76         | 50             | 7479            | 3847N                        | 11348E        | 57.2         | 111.1        | GGGG                               |                     |                      | 134                     | 33                     |
| 2537-02181        | 00000/0000                   | 2-2002R/1240                | 07/12/76         | 20             | 7479            | 3721N                        | 11320E        | 57.4         | 108.7        | GGGG                               |                     |                      | 134                     | 34                     |
| 2537-02184        | 00000/0000                   | 2-2002R/1241                | 07/12/76         | 30             | 7479            | 3546N                        | 11253E        | 57.5         | 106.2        | GGGG                               |                     |                      | 134                     | 35                     |
| 2537-02190        | 00000/0000                   | 2-2002R/1242                | 07/12/76         | 30             | 7479            | 3431N                        | 11227E        | 57.6         | 103.7        | GGGG                               |                     |                      | 134                     | 36                     |
| 2537-03551        | 00000/0000                   | 2-2002R/1807                | 07/12/76         | 70             | 7480            | 5829N                        | 09457E        | 49.2         | 142.5        | GFFF                               |                     |                      | 152                     | 19                     |
| 2537-03554        | 00000/0000                   | 2-2002R/1199                | 07/12/76         | 40             | 7480            | 5706N                        | 09604E        | 50.0         | 140.4        | GGGG                               |                     |                      | 152                     | 20                     |
| 2537-03560        | 00000/0000                   | 2-2002R/1200                | 07/12/76         | 90             | 7480            | 5542N                        | 09513E        | 50.8         | 138.4        | GFGG                               |                     |                      | 152                     | 21                     |
| 2537-03563        | 00000/0000                   | 2-2002R/1201                | 07/12/76         | 90             | 7480            | 5418N                        | 09426E        | 51.5         | 136.3        | FFGF                               |                     |                      | 152                     | 22                     |
| 2537-03565        | 00000/0000                   | 2-2002R/1202                | 07/12/76         | 90             | 7480            | 5255N                        | 09342E        | 52.3         | 134.1        | FFGG                               |                     |                      | 152                     | 23                     |
| 2537-03572        | 00000/0000                   | 2-2002R/1203                | 07/12/76         | 90             | 7480            | 5130N                        | 09300E        | 52.9         | 132.0        | FFGG                               |                     |                      | 152                     | 24                     |
| 2537-03592        | 00000/0000                   | 2-2002R/1204                | 07/12/76         | 90             | 7480            | 4428N                        | 09000E        | 55.8         | 120.8        | FFGG                               |                     |                      | 152                     | 29                     |
| 2537-05383        | 00000/0000                   | 2-2002R/1205                | 07/12/76         | 50             | 7481            | 5831N                        | 07115E        | 49.1         | 142.6        | FFGG                               |                     |                      | 170                     | 19                     |
| 2537-05385        | 00000/0000                   | 2-2002R/1206                | 07/12/76         | 60             | 7481            | 5708N                        | 07020E        | 49.9         | 140.5        | GFGG                               |                     |                      | 170                     | 20                     |
| 2537-05392        | 00000/0000                   | 2-2002R/1207                | 07/12/76         | 60             | 7481            | 5545N                        | 06930E        | 50.7         | 138.4        | GFGG                               |                     |                      | 170                     | 21                     |
| 2537-05394        | 00000/0000                   | 2-2002R/1208                | 07/12/76         | 50             | 7481            | 5421N                        | 06843E        | 51.5         | 136.3        | GFGG                               |                     |                      | 170                     | 22                     |
| 2537-05401        | 00000/0000                   | 2-2002R/1209                | 07/12/76         | 40             | 7481            | 5257N                        | 06757E        | 52.2         | 134.2        | GFGG                               |                     |                      | 170                     | 23                     |
| 2537-05403        | 00000/0000                   | 2-2002R/1210                | 07/12/76         | 30             | 7481            | 5134N                        | 06715E        | 52.9         | 132.1        | GFGG                               |                     |                      | 170                     | 24                     |
| 2537-05410        | 00000/0000                   | 2-2002R/1211                | 07/12/76         | 60             | 7481            | 5009N                        | 06635E        | 53.6         | 129.9        | GFGG                               |                     |                      | 170                     | 25                     |
| 2537-05412        | 00000/0000                   | 2-2002R/1212                | 07/12/76         | 50             | 7481            | 4845N                        | 06557E        | 54.2         | 127.7        | GFGG                               |                     |                      | 170                     | 26                     |
| 2537-05415        | 00000/0000                   | 2-2002R/1213                | 07/12/76         | 30             | 7481            | 4720N                        | 06520E        | 54.7         | 125.5        | GFGG                               |                     |                      | 170                     | 27                     |
| 2537-05421        | 00000/0000                   | 2-2002R/1214                | 07/12/76         | 10             | 7481            | 4556N                        | 06445E        | 55.3         | 123.2        | GFGG                               |                     |                      | 170                     | 28                     |
| 2537-05424        | 00000/0000                   | 2-2002R/1215                | 07/12/76         | 10             | 7481            | 4431N                        | 06412E        | 55.7         | 120.9        | GFGG                               |                     |                      | 170                     | 29                     |
| 2537-05471        | 00000/0000                   | 2-2002R/1216                | 07/12/76         | 10             | 7481            | 2849N                        | 05910E        | 57.5         | 94.0         | GGGG                               |                     |                      | 170                     | 40                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = x CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBY | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2537-05474        | 00000/0000                   | 2-2002R/1217                | 07/12/76         | 0              | 7481                   | 2723N                                   | 05R46E       | 57.3         | 91.6                               | GFGE                |                      |                         |                        |
| 2537-05480        | 00000/0000                   | 2-2002R/1218                | 07/12/76         | 20             | 7481                   | 25K7N                                   | 05R24E       | 57.0         | 89.3                               | GFGE                |                      | 170                     | 41                     |
| 2537-07205        | 00000/0000                   | 2-2002R/1808                | 07/12/76         | 90             | 7482                   | 6116N                                   | 07223E       | 47.4         | 146.8                              | GGGG                |                      | 170                     | 42                     |
| 2537-07212        | 00000/0000                   | 2-2002R/1809                | 07/12/76         | 90             | 7482                   | 5954N                                   | 04621E       | 48.3         | 144.7                              | GGGG                |                      | 188                     | 17                     |
| 2537-07214        | 00000/0000                   | 2-2002R/1219                | 07/12/76         | 40             | 7482                   | 5831N                                   | 04523E       | 49.1         | 142.6                              | GFGE                |                      | 188                     | 18                     |
| 2537-07221        | 00000/0000                   | 2-2002R/1220                | 07/12/76         | 40             | 7482                   | 5777N                                   | 04429E       | 49.9         | 140.5                              | GFGE                |                      | 188                     | 19                     |
| 2537-07223        | 00000/0000                   | 2-2002R/1221                | 07/12/76         | 30             | 7482                   | 5544N                                   | 04339E       | 50.7         | 138.4                              | GFGE                |                      | 188                     | 20                     |
| 2537-07230        | 00000/0000                   | 2-2002R/1222                | 07/12/76         | 30             | 7482                   | 5421N                                   | 04252E       | 51.5         | 136.3                              | GGGG                |                      | 188                     | 21                     |
| 2537-07232        | 00000/0000                   | 2-2002R/1223                | 07/12/76         | 40             | 7482                   | 52K7N                                   | 04207E       | 52.2         | 134.2                              | GGGG                |                      | 188                     | 22                     |
| 2537-07235        | 00000/0000                   | 2-2002R/1224                | 07/12/76         | 80             | 7482                   | 5132N                                   | 04125E       | 52.9         | 132.1                              | GGGG                |                      | 188                     | 23                     |
| 2537-07241        | 00000/0000                   | 2-2002R/1230                | 07/12/76         | 70             | 7482                   | 5009N                                   | 04045E       | 53.6         | 129.9                              | GGGG                |                      | 188                     | 24                     |
| 2537-07244        | 00000/0000                   | 2-2002R/1225                | 07/12/76         | 80             | 7482                   | 4844N                                   | 04007E       | 54.2         | 127.7                              | GGGG                |                      | 188                     | 25                     |
| 2537-07250        | 00000/0000                   | 2-2002R/1226                | 07/12/76         | 90             | 7482                   | 4719N                                   | 03931E       | 54.7         | 125.5                              | GGGG                |                      | 188                     | 26                     |
| 2537-07253        | 00000/0000                   | 2-2002R/1227                | 07/12/76         | 90             | 7482                   | 45K4N                                   | 03A56E       | 55.3         | 123.2                              | GGGG                |                      | 188                     | 27                     |
| 2537-07255        | 00000/0000                   | 2-2002R/1228                | 07/12/76         | 90             | 7482                   | 4430N                                   | 03A23E       | 55.7         | 120.9                              | GGGG                |                      | 188                     | 28                     |
| 2537-07294        | 00000/0000                   | 2-2002R/1229                | 07/12/76         | 40             | 7482                   | 3141N                                   | 03409E       | 57.7         | 98.9                               | GGGG                |                      | 188                     | 29                     |
| 2537-09023        | 00000/0000                   | 2-2002R/1810                | 07/12/76         | 20             | 7483                   | 6641N                                   | 02A44E       | 43.7         | 155.5                              | GGGG                |                      | 206                     | 38                     |
| 2537-09030        | 00000/0000                   | 2-2002R/1811                | 07/12/76         | 10             | 7483                   | 6520N                                   | 02516E       | 44.6         | 153.2                              | PPFP                |                      | 206                     | 13                     |
| 2537-09032        | 00000/0000                   | 2-2002R/1812                | 07/12/76         | 10             | 7483                   | 6369N                                   | 02356E       | 45.6         | 151.0                              | PPFP                |                      | 206                     | 14                     |
| 2537-10414        | 00000/0000                   | 2-2002R/1813                | 07/12/76         | 10             | 7484                   | 7815N                                   | 03122E       | 33.2         | 192.0                              | GGGG                |                      | 224                     | 15                     |
| 2537-10420        | 00000/0000                   | 2-2002R/1814                | 07/12/76         | 20             | 7484                   | 7737N                                   | 02559E       | 34.3         | 186.2                              | FFFF                |                      | 224                     | 3                      |
| 2537-10423        | 00000/0000                   | 2-2002R/1815                | 07/12/76         | 30             | 7484                   | 7635N                                   | 02123E       | 35.4         | 181.1                              | FFFF                |                      | 224                     | 4                      |
| 2537-10425        | 00000/0000                   | 2-2002R/1816                | 07/12/76         | 50             | 7484                   | 7528N                                   | 01727E       | 36.5         | 176.7                              | FFFF                |                      | 224                     | 5                      |
| 2537-12234        | 00000/0000                   | 2-2002R/1261                | 07/12/76         | 50             | 7485                   | 8078N                                   | 02714E       | 29.8         | 214.5                              | GGGG                |                      | 224                     | 6                      |
| 2537-12240        | 00000/0000                   | 2-2002R/1262                | 07/12/76         | 60             | 7485                   | 8077N                                   | 01905E       | 30.9         | 206.1                              | GGGG                |                      | 224                     | 248                    |
| 2537-12243        | 00000/0000                   | 2-2002R/1263                | 07/12/76         | 70             | 7485                   | 7955N                                   | 01153E       | 32.0         | 198.5                              | GGGG                |                      | 242                     | 1                      |
| 2537-12245        | 00000/0000                   | 2-2002R/1264                | 07/12/76         | 90             | 7485                   | 7834N                                   | 00537E       | 33.2         | 191.9                              | GGGG                |                      | 242                     | 2                      |
| 2537-12252        | 00000/0000                   | 2-2002R/1265                | 07/12/76         | 80             | 7485                   | 7716N                                   | 00015E       | 34.3         | 186.1                              | GGGG                |                      | 242                     | 3                      |
| 2537-12254        | 00000/0000                   | 2-2002R/1266                | 07/12/76         | 80             | 7485                   | 7634N                                   | 00420W       | 35.4         | 181.1                              | GGGG                |                      | 242                     | 4                      |
| 2537-12575        | 00000/0000                   | 2-2002R/1267                | 07/12/76         | 70             | 7485                   | 3137S                                   | 05901W       | 20.7         | 45.5                               | FFFF                |                      | 242                     | 5                      |
| 2537-12581        | 00000/0000                   | 2-2002R/1268                | 07/12/76         | 10             | 7485                   | 3303S                                   | 05926W       | 19.5         | 45.3                               | FFFF                |                      | 242                     | 82                     |
| 2537-12593        | 00000/0000                   | 2-2002R/1269                | 07/12/76         | 10             | 7485                   | 3720S                                   | 06045W       | 15.9         | 45.1                               | FFFF                |                      | 242                     | 83                     |
| 2537-12595        | 00000/0000                   | 2-2002R/1270                | 07/12/76         | 40             | 7485                   | 3845S                                   | 06113W       | 14.7         | 45.1                               | FFFF                |                      | 242                     | 86                     |
| 2537-13002        | 00000/0000                   | 2-2002R/1271                | 07/12/76         | 10             | 7485                   | 4010S                                   | 06142W       | 13.5         | 45.2                               | GGGG                |                      | 242                     | 87                     |
| 2537-14065        | 00000/0000                   | 2-2002R/1272                | 07/12/76         | 20             | 7486                   | 8039N                                   | 00122E       | 29.8         | 214.4                              | GGGG                |                      | 242                     | 88                     |
| 2537-14072        | 00000/0000                   | 2-2002R/1273                | 07/12/76         | 10             | 7486                   | 8007N                                   | 00645W       | 30.9         | 206.0                              | GGGG                |                      | 242                     | 248                    |
|                   |                              |                             |                  |                |                        |                                         |              |              |                                    |                     |                      | 9                       | 1                      |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------|------------------------------|----------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2537-14074        | 00000/0000                   | 2-2002R/1274                | 07/12/76         | 10             | 7486             | 7924N                        | 01359W                     | 32.0         | 198.5        | GGGG                               |                     |                      | 9                       | 2                      |
| 2537-14081        | 00000/0000                   | 2-2002R/1275                | 07/12/76         | 10             | 7486             | 7834N                        | 02015W                     | 33.2         | 191.9        | GGGG                               |                     |                      | 9                       | 3                      |
| 2537-16003        | 00000/0000                   | 2-2002R/1234                | 07/12/76         | 0              | 7487             | 5007N                        | 08R19W                     | 53.5         | 129.9        | FGGG                               |                     |                      | 27                      | 25                     |
| 2537-17333        | 2-20029/0295                 | 00000/0000                  | 07/12/76         | 90             | 7488             | 8038N                        | 05034W                     | 29.8         | 214.1        | PPP                                |                     |                      | 27                      | 248                    |
| 2537-17335        | 2-20029/0296                 | 00000/0000                  | 07/12/76         | 100            | 7488             | 8005N                        | 05R41W                     | 30.9         | 205.7        | PPP                                |                     |                      | 45                      | 1                      |
| 2537-17342        | 2-20029/0297                 | 00000/0000                  | 07/12/76         | 100            | 7488             | 7922N                        | 06552W                     | 32.1         | 198.2        | PPP                                |                     |                      | 45                      | 2                      |
| 2537-17344        | 2-20029/0298                 | 00000/0000                  | 07/12/76         | 90             | 7488             | 7831N                        | 07204W                     | 33.2         | 191.6        | PPP                                |                     |                      | 45                      | 3                      |
| 2537-17351        | 2-20029/0299                 | 00000/0000                  | 07/12/76         | 100            | 7488             | 7734N                        | 07724W                     | 34.3         | 185.9        | FFF                                |                     |                      | 45                      | 4                      |
| 2537-19162        | 2-20029/0314                 | 00000/0000                  | 07/12/76         | 90             | 7489             | 8048N                        | 06735W                     | 28.7         | 223.2        | PPF                                |                     |                      | 52                      | 244                    |
| 2537-19164        | 2-20029/0315                 | 00000/0000                  | 07/12/76         | 90             | 7489             | 8037N                        | 07428W                     | 29.8         | 214.1        | PPP                                |                     |                      | 45                      | 248                    |
| 2537-21000        | 00000/0000                   | 2-2002R/1251                | 07/12/76         | 90             | 7490             | 8040N                        | 10137W                     | 29.7         | 214.7        | GGGG                               |                     |                      | 63                      | 248                    |
| 2537-21002        | 00000/0000                   | 2-2002R/1252                | 07/12/76         | 90             | 7490             | 8008N                        | 10449W                     | 30.8         | 206.3        | GGGG                               |                     |                      | 81                      | 1                      |
| 2537-21005        | 00000/0000                   | 2-2002R/1253                | 07/12/76         | 90             | 7490             | 7926N                        | 11703W                     | 32.0         | 198.7        | GGGG                               |                     |                      | 81                      | 2                      |
| 2537-21011        | 00000/0000                   | 2-2002R/1254                | 07/12/76         | 90             | 7490             | 7836N                        | 12320W                     | 33.1         | 192.1        | GGGG                               |                     |                      | 81                      | 3                      |
| 2537-21014        | 00000/0000                   | 2-2002R/1255                | 07/12/76         | 90             | 7490             | 7738N                        | 12R45W                     | 34.2         | 186.3        | GGGG                               |                     |                      | 81                      | 4                      |
| 2537-21020        | 00000/0000                   | 2-2002R/1256                | 07/12/76         | 80             | 7490             | 7636N                        | 13321W                     | 35.3         | 181.2        | GGGG                               |                     |                      | 81                      | 5                      |
| 2537-21023        | 00000/0000                   | 2-2002R/1257                | 07/12/76         | 10             | 7490             | 7530N                        | 13719W                     | 36.4         | 176.8        | GGGG                               |                     |                      | 81                      | 6                      |
| 2537-21025        | 00000/0000                   | 2-2002R/1258                | 07/12/76         | 10             | 7490             | 7420N                        | 14043W                     | 37.4         | 172.8        | GGGG                               |                     |                      | 81                      | 7                      |
| 2537-21032        | 00000/0000                   | 2-2002R/1259                | 07/12/76         | 10             | 7490             | 7307N                        | 14341W                     | 38.5         | 169.3        | GGGG                               |                     |                      | 81                      | 8                      |
| 2537-21034        | 00000/0000                   | 2-2002R/1260                | 07/12/76         | 10             | 7490             | 7153N                        | 14616W                     | 39.5         | 166.1        | GGGG                               |                     |                      | 81                      | 9                      |
| 2537-23175        | 00000/0000                   | 2-2002R/1817                | 07/12/76         | 10             | 7491             | 3302S                        | 14541E                     | 19.6         | 45.4         | FFFF                               |                     |                      | 99                      | 83                     |
| 2537-23181        | 00000/0000                   | 2-2002R/1818                | 07/12/76         | 10             | 7491             | 3428S                        | 14516E                     | 18.4         | 45.3         | FFFF                               |                     |                      | 99                      | 84                     |
| 2537-23184        | 00000/0000                   | 2-2002R/1819                | 07/12/76         | 30             | 7491             | 3553S                        | 14450E                     | 17.2         | 45.2         | FFFF                               |                     |                      | 99                      | 85                     |
| 2537-23190        | 00000/0000                   | 2-2002R/1820                | 07/12/76         | 40             | 7491             | 3719S                        | 14423E                     | 16.0         | 45.2         | FFFF                               |                     |                      | 99                      | 86                     |
| 2538-01004        | 00000/0000                   | 2-2002R/1821                | 07/13/76         | 20             | 7492             | 3137S                        | 12017E                     | 20.8         | 45.5         | PPPP                               |                     |                      | 117                     | 82                     |
| 2538-01010        | 00000/0000                   | 2-2002R/1822                | 07/13/76         | 20             | 7492             | 3302S                        | 11952E                     | 19.6         | 45.4         | PPPP                               |                     |                      | 117                     | 83                     |
| 2538-01013        | 00000/0000                   | 2-2002R/1823                | 07/13/76         | 10             | 7492             | 3428S                        | 11927E                     | 18.4         | 45.3         | PPPP                               |                     |                      | 117                     | 84                     |
| 2538-02201        | 00000/0000                   | 2-2002R/1243                | 07/13/76         | 10             | 7493             | 5008N                        | 11647E                     | 53.4         | 130.0        | GGGG                               |                     |                      | 135                     | 25                     |
| 2538-02203        | 00000/0000                   | 2-2002R/1244                | 07/13/76         | 10             | 7493             | 4844N                        | 11609E                     | 54.1         | 127.8        | FGGG                               |                     |                      | 135                     | 26                     |
| 2538-02224        | 00000/0000                   | 2-2002R/1245                | 07/13/76         | 70             | 7493             | 4140N                        | 11323E                     | 56.4         | 116.2        | GGGG                               |                     |                      | 135                     | 31                     |
| 2538-02230        | 00000/0000                   | 2-2002R/1246                | 07/13/76         | 30             | 7493             | 4015N                        | 11753E                     | 56.8         | 113.8        | GGGG                               |                     |                      | 135                     | 32                     |
| 2538-02233        | 00000/0000                   | 2-2002R/1247                | 07/13/76         | 20             | 7493             | 3849N                        | 11724E                     | 57.0         | 111.4        | GGGG                               |                     |                      | 135                     | 33                     |
| 2538-02235        | 00000/0000                   | 2-2002R/1248                | 07/13/76         | 10             | 7493             | 3724N                        | 11156E                     | 57.3         | 108.9        | GGGG                               |                     |                      | 135                     | 34                     |
| 2538-02242        | 00000/0000                   | 2-2002R/1249                | 07/13/76         | 10             | 7493             | 3559N                        | 11129E                     | 57.4         | 106.4        | GGGG                               |                     |                      | 135                     | 35                     |
| 2538-02244        | 00000/0000                   | 2-2002R/1250                | 07/13/76         | 10             | 7493             | 3433N                        | 11102E                     | 57.5         | 104.0        | GGGG                               |                     |                      | 135                     | 36                     |
| 2538-04010        | 00000/0000                   | 2-2002R/1824                | 07/13/76         | 40             | 7494             | 5829N                        | 09534E                     | 49.0         | 142.6        | GGFF                               |                     |                      | 153                     | 19                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RRV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2538-04012        | 00000/0000                                     | 2-2002R/1825     | 07/13/76       | 20              | 7494 5707N                              | 09441E       | 49.8 140.5   |                                    |                     |                      |                         |                        |
| 2538-04015        | 00000/0000                                     | 2-2002R/1826     | 07/13/76       | 20              | 7494 5543N                              | 09351E       | 50.6 138.4   | FFFG                               |                     |                      | 153                     | 20                     |
| 2538-04021        | 00000/0000                                     | 2-2002R/1827     | 07/13/76       | 40              | 7494 5420N                              | 09303E       | 51.4 136.4   | FFGG                               |                     |                      | 153                     | 21                     |
| 2538-04024        | 00000/0000                                     | 2-2002R/1828     | 07/13/76       | 30              | 7494 5256N                              | 09219E       | 52.1 134.3   | FFGF                               |                     |                      | 153                     | 22                     |
| 2538-04030        | 00000/0000                                     | 2-2002R/1829     | 07/13/76       | 20              | 7494 5132N                              | 09137E       | 52.8 132.1   | FFGF                               |                     |                      | 153                     | 23                     |
| 2538-04051        | 00000/0000                                     | 2-2002R/1830     | 07/13/76       | 10              | 7494 4470N                              | 08435E       | 55.6 120.9   | FFGF                               |                     |                      | 153                     | 24                     |
| 2538-04053        | 00000/0000                                     | 2-2002R/1831     | 07/13/76       | 10              | 7494 4305N                              | 08403E       | 56.1 118.6   | FFGF                               |                     |                      | 153                     | 29                     |
| 2538-05435        | 00000/0000                                     | 2-2002R/1276     | 07/13/76       | 30              | 7495 5952N                              | 07041E       | 48.1 144.7   | GGGG                               |                     |                      | 171                     | 30                     |
| 2538-05441        | 00000/0000                                     | 2-2002R/1277     | 07/13/76       | 50              | 7495 5830N                              | 06943E       | 49.0 142.6   | GGGG                               |                     |                      | 171                     | 18                     |
| 2538-05444        | 00000/0000                                     | 2-2002R/1278     | 07/13/76       | 30              | 7495 5707N                              | 06849E       | 49.8 140.5   | GGGG                               |                     |                      | 171                     | 19                     |
| 2538-05450        | 00000/0000                                     | 2-2002R/1279     | 07/13/76       | 30              | 7495 5544N                              | 06759E       | 50.6 138.4   | GGGG                               |                     |                      | 171                     | 20                     |
| 2538-05453        | 00000/0000                                     | 2-2002R/1280     | 07/13/76       | 30              | 7495 5420N                              | 06712E       | 51.4 136.4   | GGGG                               |                     |                      | 171                     | 21                     |
| 2538-05455        | 00000/0000                                     | 2-2002R/1281     | 07/13/76       | 20              | 7495 5256N                              | 06627E       | 52.1 134.3   | GGGG                               |                     |                      | 171                     | 22                     |
| 2538-05462        | 00000/0000                                     | 2-2002R/1282     | 07/13/76       | 30              | 7495 5132N                              | 06545E       | 52.8 132.1   | GGGG                               |                     |                      | 171                     | 23                     |
| 2538-05464        | 00000/0000                                     | 2-2002R/1283     | 07/13/76       | 10              | 7495 5008N                              | 06505E       | 53.4 130.0   | GGGG                               |                     |                      | 171                     | 24                     |
| 2538-07261        | 00000/0000                                     | 2-2002R/1306     | 07/13/76       | 90              | 7496 6227N                              | 04702E       | 46.4 148.8   | GGGG                               |                     |                      | 171                     | 25                     |
| 2538-07264        | 00000/0000                                     | 2-2002R/1292     | 07/13/76       | 90              | 7496 6115N                              | 04556E       | 47.3 146.7   | G                                  |                     |                      | 189                     | 16                     |
| 2538-07270        | 00000/0000                                     | 2-2002R/1293     | 07/13/76       | 90              | 7496 5953N                              | 04454E       | 48.1 144.7   | GGFG                               |                     |                      | 189                     | 17                     |
| 2538-07273        | 00000/0000                                     | 2-2002R/1294     | 07/13/76       | 90              | 7496 5830N                              | 04357E       | 49.0 142.6   | GGGG                               |                     |                      | 189                     | 18                     |
| 2538-07275        | 00000/0000                                     | 2-2002R/1295     | 07/13/76       | 40              | 7496 5707N                              | 04303E       | 49.8 140.5   | GGGG                               |                     |                      | 189                     | 19                     |
| 2538-07282        | 00000/0000                                     | 2-2002R/1296     | 07/13/76       | 90              | 7496 5420N                              | 04126E       | 51.4 136.4   | GGGG                               |                     |                      | 189                     | 20                     |
| 2538-07291        | 00000/0000                                     | 2-2002R/1297     | 07/13/76       | 100             | 7496 5256N                              | 04041E       | 52.1 134.3   | GGGG                               |                     |                      | 189                     | 21                     |
| 2538-07293        | 00000/0000                                     | 2-2002R/1298     | 07/13/76       | 90              | 7496 5132N                              | 03959E       | 52.8 132.1   | GGGG                               |                     |                      | 189                     | 22                     |
| 2538-07302        | 00000/0000                                     | 2-2002R/1362     | 07/13/76       | 50              | 7496 4842N                              | 03841E       | 54.0 127.8   | GGGG                               |                     |                      | 189                     | 23                     |
| 2538-07305        | 00000/0000                                     | 2-2002R/1363     | 07/13/76       | 80              | 7496 4718N                              | 03755E       | 54.6 125.5   | GGGG                               |                     |                      | 189                     | 24                     |
| 2538-07311        | 00000/0000                                     | 2-2002R/1364     | 07/13/76       | 80              | 7496 4554N                              | 03730E       | 55.1 123.2   | GGGG                               |                     |                      | 189                     | 25                     |
| 2538-07314        | 00000/0000                                     | 2-2002R/1365     | 07/13/76       | 40              | 7496 4429N                              | 03657E       | 55.6 120.9   | GGGG                               |                     |                      | 189                     | 26                     |
| 2538-09081        | 00000/0000                                     | 2-2002R/1366     | 07/13/76       | 60              | 7497 6629N                              | 02513E       | 43.5 155.5   | GGGG                               |                     |                      | 207                     | 13                     |
| 2538-09084        | 00000/0000                                     | 2-2002R/1367     | 07/13/76       | 50              | 7497 6519N                              | 02346E       | 44.5 153.2   | GGGG                               |                     |                      | 207                     | 14                     |
| 2538-09090        | 00000/0000                                     | 2-2002R/1368     | 07/13/76       | 20              | 7497 6358N                              | 02227E       | 45.4 151.0   | GGGG                               |                     |                      | 207                     | 15                     |
| 2538-13024        | 00000/0000                                     | 2-2002R/1369     | 07/13/76       | 90              | 7499 2843S                              | 05936W       | 23.2 46.0    | GGGG                               |                     |                      | 243                     | 80                     |
| 2538-13030        | 00000/0000                                     | 2-2002R/1370     | 07/13/76       | 80              | 7499 3009S                              | 06001W       | 22.0 45.8    | GGGG                               |                     |                      | 243                     | 81                     |
| 2538-13033        | 00000/0000                                     | 2-2002R/1371     | 07/13/76       | 70              | 7499 3175S                              | 06025W       | 20.8 45.6    | GGGG                               |                     |                      | 243                     | 82                     |
| 2538-13035        | 00000/0000                                     | 2-2002R/1372     | 07/13/76       | 80              | 7499 3371S                              | 06050W       | 19.6 45.5    | FFGF                               |                     |                      | 243                     | 83                     |
| 2538-13042        | 00000/0000                                     | 2-2002R/1373     | 07/13/76       | 40              | 7499 3426S                              | 06116W       | 18.4 45.3    | FFGF                               |                     |                      | 243                     | 84                     |
| 2538-13044        | 00000/0000                                     | 2-2002R/1374     | 07/13/76       | 50              | 7499 3525S                              | 06142W       | 17.2 45.3    | FFGF                               |                     |                      | 243                     | 85                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|---------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2538-13051        | 00000/0000                                     | 2-2002R/1375     | 07/13/76       | 70            | 7499                               | 3718S                               | 06210W       | 16.0         | 45.2              |                     |                      |                         |                        |
| 2538-13053        | 00000/0000                                     | 2-2002R/1376     | 07/13/76       | 90            | 7499                               | 3844S                               | 06238W       | 14.8         | 45.2              | FGGF                |                      | 243                     | 86                     |
| 2538-13060        | 00000/0000                                     | 2-2002R/1377     | 07/13/76       | 90            | 7499                               | 4009S                               | 06307W       | 13.6         | 45.3              | GGGF                |                      | 243                     | 87                     |
| 2538-14233        | 00000/0000                                     | 2-2002R/1329     | 07/13/76       | 70            | 7500                               | 4845N                               | 06432W       | 54.0         | 127.8             | GGGF                |                      | 243                     | 88                     |
| 2538-14253        | 00000/0000                                     | 2-2002R/1330     | 07/13/76       | 60            | 7500                               | 4141N                               | 06719W       | 56.4         | 116.3             | GGGF                |                      | 10                      | 26                     |
| 2538-14260        | 00000/0000                                     | 2-2002R/1331     | 07/13/76       | 60            | 7500                               | 4015N                               | 06749W       | 56.7         | 113.9             | GGGF                |                      | 10                      | 31                     |
| 2538-14262        | 00000/0000                                     | 2-2002R/1332     | 07/13/76       | 70            | 7500                               | 3840N                               | 06818W       | 57.0         | 111.5             | GGGF                |                      | 10                      | 32                     |
| 2538-16062        | 00000/0000                                     | 2-2002R/1333     | 07/13/76       | 100           | 7501                               | 5009N                               | 08945W       | 53.4         | 130.0             | GGGF                |                      | 10                      | 33                     |
| 2538-17391        | 2-20029/0283                                   | 00000/0000       | 07/13/76       | 90            | 7502                               | 8040N                               | 05126W       | 29.6         | 214.6             | GGG                 |                      | 28                      | 25                     |
| 2538-17400        | 2-20029/0284                                   | 00000/0000       | 07/13/76       | 100           | 7502                               | 7925N                               | 04651W       | 31.8         | 198.6             | GGG                 |                      | 28                      | 248                    |
| 2538-17402        | 2-20029/0285                                   | 00000/0000       | 07/13/76       | 100           | 7502                               | 7835N                               | 07308W       | 33.0         | 192.0             | GGG                 |                      | 46                      | 2                      |
| 2538-17405        | 2-20029/0286                                   | 00000/0000       | 07/13/76       | 100           | 7502                               | 7738N                               | 07831W       | 34.1         | 186.2             | GGG                 |                      | 46                      | 3                      |
| 2538-17482        | 00000/0000                                     | 2-2002R/0982     | 07/13/76       | 80            | 7502                               | 5422N                               | 11324W       | 51.3         | 136.4             | GGG                 |                      | 46                      | 4                      |
| 2538-17484        | 00000/0000                                     | 2-2002R/0983     | 07/13/76       | 20            | 7502                               | 5288N                               | 11409W       | 52.0         | 134.3             | GGG                 |                      | 46                      | 22                     |
| 2538-17491        | 00000/0000                                     | 2-2002R/0984     | 07/13/76       | 50            | 7502                               | 5134N                               | 11451W       | 52.7         | 132.2             | GGG                 |                      | 46                      | 23                     |
| 2538-19220        | 2-20029/0287                                   | 00000/0000       | 07/13/76       | 90            | 7503                               | 8048N                               | 06906W       | 28.5         | 223.0             | GGG                 |                      | 46                      | 24                     |
| 2538-21060        | 00000/0000                                     | 2-2002R/1353     | 07/13/76       | 100           | 7504                               | 8007N                               | 11115W       | 30.7         | 206.1             | GGG                 |                      | 53                      | 246                    |
| 2538-21063        | 00000/0000                                     | 2-2002R/1354     | 07/13/76       | 90            | 7504                               | 7925N                               | 11830W       | 31.8         | 198.6             | GGG                 |                      | 82                      | 1                      |
| 2538-21065        | 00000/0000                                     | 2-2002R/1355     | 07/13/76       | 90            | 7504                               | 7845N                               | 12450W       | 33.0         | 191.9             | GGG                 |                      | 82                      | 2                      |
| 2538-21072        | 00000/0000                                     | 2-2002R/1356     | 07/13/76       | 90            | 7504                               | 7737N                               | 13016W       | 34.1         | 186.2             | GGG                 |                      | 82                      | 3                      |
| 2538-21074        | 00000/0000                                     | 2-2002R/1357     | 07/13/76       | 40            | 7504                               | 7635N                               | 13453W       | 35.1         | 181.1             | GGG                 |                      | 82                      | 4                      |
| 2538-21081        | 00000/0000                                     | 2-2002R/1358     | 07/13/76       | 20            | 7504                               | 7529N                               | 13848W       | 36.2         | 176.7             | GGG                 |                      | 82                      | 5                      |
| 2538-21083        | 00000/0000                                     | 2-2002R/1359     | 07/13/76       | 10            | 7504                               | 7419N                               | 14213W       | 37.3         | 172.7             | GGG                 |                      | 82                      | 6                      |
| 2538-21090        | 00000/0000                                     | 2-2002R/1360     | 07/13/76       | 10            | 7504                               | 7306N                               | 14509W       | 38.4         | 169.2             | GGG                 |                      | 82                      | 7                      |
| 2538-21092        | 00000/0000                                     | 2-2002R/1361     | 07/13/76       | 10            | 7504                               | 7142N                               | 14743W       | 39.4         | 166.0             | GGG                 |                      | 82                      | 8                      |
| 2538-23242        | 00000/0000                                     | 2-2002R/1299     | 07/13/76       | 30            | 7505                               | 3555S                               | 14324E       | 17.2         | 45.3              | GGG                 |                      | 82                      | 9                      |
| 2539-00462        | 00000/0000                                     | 2-2002R/1300     | 07/13/76       | 50            | 7505                               | 3720S                               | 14257E       | 16.0         | 45.3              | GGG                 |                      | 100                     | 85                     |
| 2539-00465        | 00000/0000                                     | 2-2002R/1301     | 07/14/76       | 90            | 7506                               | 3723N                               | 13616E       | 57.2         | 109.1             | GGG                 |                      | 100                     | 86                     |
| 2539-00471        | 00000/0000                                     | 2-2002R/1302     | 07/14/76       | 90            | 7506                               | 3547N                               | 13549E       | 57.3         | 106.6             | GGG                 |                      | 118                     | 34                     |
| 2539-00474        | 00000/0000                                     | 2-2002R/1303     | 07/14/76       | 90            | 7506                               | 3432N                               | 13523E       | 57.4         | 104.1             | GGG                 |                      | 118                     | 35                     |
| 2539-01071        | 00000/0000                                     | 2-2002R/1304     | 07/14/76       | 70            | 7506                               | 3306N                               | 13457E       | 57.5         | 101.7             | GGG                 |                      | 118                     | 36                     |
| 2539-02253        | 00000/0000                                     | 2-2002R/1284     | 07/14/76       | 90            | 7506                               | 3429S                               | 11801E       | 18.4         | 45.4              | GGG                 |                      | 118                     | 37                     |
| 2539-02255        | 00000/0000                                     | 2-2002R/1285     | 07/14/76       | 20            | 7507                               | 5132N                               | 11600E       | 52.7         | 132.2             | GGG                 |                      | 118                     | 84                     |
| 2539-02282        | 00000/0000                                     | 2-2002R/1286     | 07/14/76       | 10            | 7507                               | 5007N                               | 11520E       | 53.3         | 130.0             | GGG                 |                      | 136                     | 24                     |
| 2539-02285        | 00000/0000                                     | 2-2002R/1287     | 07/14/76       | 50            | 7507                               | 4139N                               | 11157E       | 56.3         | 116.3             | GGG                 |                      | 136                     | 25                     |
|                   |                                                |                  |                | 70            | 7507                               | 4014N                               | 11126E       | 56.7         | 113.9             | GGG                 |                      | 136                     | 31                     |
|                   |                                                |                  |                |               |                                    |                                     |              |              |                   |                     |                      | 136                     | 32                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. GOOD, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RQV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2539-02291        | 00000/0000                   | 2-2002A/1288                | 07/14/76         | 90             | 7507            | 3848N                        | 11057E        | 56.9         | 111.5        | GGGG                  |                     |                      | 136                     | 33                     |
| 2539-02294        | 00000/0000                   | 2-2002A/1289                | 07/14/76         | 90             | 7507            | 3722N                        | 11030E        | 57.2         | 109.1        | GGGG                  |                     |                      | 136                     | 34                     |
| 2539-02300        | 00000/0000                   | 2-2002A/1290                | 07/14/76         | 100            | 7507            | 3547N                        | 11002E        | 57.3         | 106.6        | GGGG                  |                     |                      | 136                     | 35                     |
| 2539-02303        | 00000/0000                   | 2-2002A/1291                | 07/14/76         | 100            | 7507            | 3431N                        | 10936E        | 57.4         | 104.1        | GGGG                  |                     |                      | 136                     | 36                     |
| 2539-04070        | 00000/0000                   | 2-2002A/1404                | 07/14/76         | 80             | 7508            | 5706N                        | 09314E        | 49.7         | 140.5        | GGGG                  |                     |                      | 154                     | 20                     |
| 2539-04073        | 00000/0000                   | 2-2002A/1405                | 07/14/76         | 80             | 7508            | 5543N                        | 09224E        | 50.5         | 138.5        | GGGG                  |                     |                      | 154                     | 21                     |
| 2539-04075        | 00000/0000                   | 2-2002A/1406                | 07/14/76         | 90             | 7508            | 5419N                        | 09137E        | 51.2         | 136.4        | GGGG                  |                     |                      | 154                     | 22                     |
| 2539-04082        | 00000/0000                   | 2-2002A/1407                | 07/14/76         | 100            | 7508            | 5245N                        | 09052E        | 52.0         | 134.3        | GGGG                  |                     |                      | 154                     | 23                     |
| 2539-04084        | 00000/0000                   | 2-2002A/1408                | 07/14/76         | 90             | 7508            | 5111N                        | 09010E        | 52.6         | 132.2        | GGGG                  |                     |                      | 154                     | 24                     |
| 2539-04091        | 00000/0000                   | 2-2002A/1409                | 07/14/76         | 80             | 7508            | 5007N                        | 08430E        | 53.3         | 130.0        | GGGG                  |                     |                      | 154                     | 25                     |
| 2539-04105        | 00000/0000                   | 2-2002A/1410                | 07/14/76         | 30             | 7508            | 4429N                        | 08708E        | 55.5         | 121.0        | GGGG                  |                     |                      | 154                     | 29                     |
| 2539-04111        | 00000/0000                   | 2-2002A/1411                | 07/14/76         | 20             | 7508            | 4314N                        | 08636E        | 55.9         | 118.7        | GGGG                  |                     |                      | 154                     | 30                     |
| 2539-05493        | 00000/0000                   | 2-2002A/1412                | 07/14/76         | 90             | 7509            | 5952N                        | 06417E        | 48.0         | 144.7        | GGGG                  |                     |                      | 172                     | 18                     |
| 2539-05495        | 00000/0000                   | 2-2002A/1413                | 07/14/76         | 70             | 7509            | 5829N                        | 06220E        | 48.9         | 142.6        | GGGG                  |                     |                      | 172                     | 19                     |
| 2539-05504        | 00000/0000                   | 2-2002A/1414                | 07/14/76         | 10             | 7509            | 5543N                        | 06636E        | 50.5         | 138.5        | GGGG                  |                     |                      | 172                     | 21                     |
| 2539-05511        | 00000/0000                   | 2-2002A/1415                | 07/14/76         | 30             | 7509            | 5419N                        | 06549E        | 51.2         | 136.4        | GGGG                  |                     |                      | 172                     | 22                     |
| 2539-05513        | 00000/0000                   | 2-2002A/1416                | 07/14/76         | 50             | 7509            | 5245N                        | 06504E        | 51.9         | 134.3        | GGGG                  |                     |                      | 172                     | 23                     |
| 2539-05520        | 00000/0000                   | 2-2002A/1417                | 07/14/76         | 10             | 7509            | 5132N                        | 06422E        | 52.6         | 132.2        | GGGG                  |                     |                      | 172                     | 24                     |
| 2539-05522        | 00000/0000                   | 2-2002A/1418                | 07/14/76         | 10             | 7509            | 5007N                        | 06342E        | 53.3         | 130.0        | GGGG                  |                     |                      | 172                     | 25                     |
| 2539-07320        | 00000/0000                   | 2-2002A/1419                | 07/14/76         | 70             | 7510            | 6236N                        | 04537E        | 46.2         | 148.8        | GGGG                  |                     |                      | 190                     | 16                     |
| 2539-07322        | 00000/0000                   | 2-2002A/1420                | 07/14/76         | 80             | 7510            | 6114N                        | 04431E        | 47.1         | 146.7        | GGGG                  |                     |                      | 190                     | 17                     |
| 2539-07325        | 00000/0000                   | 2-2002A/1421                | 07/14/76         | 70             | 7510            | 5942N                        | 04329E        | 48.0         | 144.6        | GGGG                  |                     |                      | 190                     | 18                     |
| 2539-07331        | 00000/0000                   | 2-2002A/1422                | 07/14/76         | 70             | 7510            | 5829N                        | 04232E        | 48.8         | 142.6        | GGGG                  |                     |                      | 190                     | 19                     |
| 2539-07334        | 00000/0000                   | 2-2002A/1423                | 07/14/76         | 60             | 7510            | 5716N                        | 04138E        | 49.7         | 140.5        | GGGG                  |                     |                      | 190                     | 20                     |
| 2539-07340        | 00000/0000                   | 2-2002A/1424                | 07/14/76         | 90             | 7510            | 5543N                        | 04048E        | 50.5         | 138.5        | GGGG                  |                     |                      | 190                     | 21                     |
| 2539-07343        | 00000/0000                   | 2-2002A/1425                | 07/14/76         | 100            | 7510            | 5419N                        | 04000E        | 51.2         | 136.4        | GGGG                  |                     |                      | 190                     | 22                     |
| 2539-07345        | 00000/0000                   | 2-2002A/1426                | 07/14/76         | 100            | 7510            | 5255N                        | 03915E        | 51.9         | 134.3        | GGGG                  |                     |                      | 190                     | 23                     |
| 2539-07352        | 00000/0000                   | 2-2002A/1427                | 07/14/76         | 90             | 7510            | 5131N                        | 03833E        | 52.6         | 132.2        | GGGG                  |                     |                      | 190                     | 24                     |
| 2539-07354        | 00000/0000                   | 2-2002A/1507                | 07/14/76         | 90             | 7510            | 5006N                        | 03753E        | 53.3         | 130.0        | GGGG                  |                     |                      | 190                     | 25                     |
| 2539-07361        | 00000/0000                   | 2-2002A/1508                | 07/14/76         | 90             | 7510            | 4842N                        | 03715E        | 53.9         | 127.8        | GGGG                  |                     |                      | 190                     | 26                     |
| 2539-07363        | 00000/0000                   | 2-2002A/1509                | 07/14/76         | 70             | 7510            | 4718N                        | 03638E        | 54.5         | 125.6        | GGGG                  |                     |                      | 190                     | 27                     |
| 2539-07370        | 00000/0000                   | 2-2002A/1510                | 07/14/76         | 20             | 7510            | 4553N                        | 03604E        | 55.0         | 123.3        | GGGG                  |                     |                      | 190                     | 28                     |
| 2539-07372        | 00000/0000                   | 2-2002A/1511                | 07/14/76         | 30             | 7510            | 4428N                        | 03530E        | 55.5         | 121.0        | GGGG                  |                     |                      | 190                     | 29                     |
| 2539-09142        | 00000/0000                   | 2-2002A/1512                | 07/14/76         | 60             | 7511            | 6518N                        | 02221E        | 44.4         | 153.2        | GGGG                  |                     |                      | 208                     | 14                     |
| 2539-09145        | 00000/0000                   | 2-2002A/1513                | 07/14/76         | 30             | 7511            | 6348N                        | 02102E        | 45.3         | 151.0        | GGGG                  |                     |                      | 208                     | 15                     |
| 2539-09151        | 00000/0000                   | 2-2002A/1514                | 07/14/76         | 40             | 7511            | 6236N                        | 01948E        | 46.2         | 148.8        | GGGG                  |                     |                      | 208                     | 16                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 177

LANDSAT-2  
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FOR NNN-US  
FRM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>REV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|---------------------------------|------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2539-13082        | 00000/0000                      | 2-2002R/1515     | 07/14/76         | 0              | 7513            | 2845S                              | 06103W                              | 23.3         | 46.1         | GGGG                  |                     |                      | 244                     | 80                     |
| 2539-13094        | 00000/0000                      | 2-2002R/1516     | 07/14/76         | 0              | 7513            | 3303S                              | 06218W                              | 19.7         | 45.6         | FF                    |                     |                      | 244                     | 83                     |
| 2539-13100        | 00000/0000                      | 2-2002R/1517     | 07/14/76         | 0              | 7513            | 3428S                              | 06244W                              | 18.5         | 45.5         | FFFF                  |                     |                      | 244                     | 84                     |
| 2539-13103        | 00000/0000                      | 2-2002R/1518     | 07/14/76         | 0              | 7513            | 3544S                              | 06310W                              | 17.3         | 45.4         | FGGG                  |                     |                      | 244                     | 85                     |
| 2539-13105        | 00000/0000                      | 2-2002R/1519     | 07/14/76         | 0              | 7513            | 3720S                              | 06337W                              | 16.1         | 45.4         | FGFF                  |                     |                      | 244                     | 86                     |
| 2539-13112        | 00000/0000                      | 2-2002R/1520     | 07/14/76         | 17             | 7513            | 3845S                              | 06405W                              | 14.9         | 45.4         | FFFF                  |                     |                      | 244                     | 87                     |
| 2539-14291        | 00000/0000                      | 2-2002R/1468     | 07/14/76         | 90             | 7514            | 4843N                              | 06559W                              | 53.8         | 127.9        | GGGG                  |                     |                      | 11                      | 26                     |
| 2539-14320        | 00000/0000                      | 2-2002R/1469     | 07/14/76         | 70             | 7514            | 3849N                              | 06945W                              | 56.9         | 111.6        | GGGG                  |                     |                      | 11                      | 33                     |
| 2539-14323        | 00000/0000                      | 2-2002R/1470     | 07/14/76         | 70             | 7514            | 3723N                              | 07013W                              | 57.1         | 109.2        | GGGG                  |                     |                      | 11                      | 34                     |
| 2539-14325        | 00000/0000                      | 2-2002R/1471     | 07/14/76         | 50             | 7514            | 3548N                              | 07041W                              | 57.3         | 106.7        | GGGG                  |                     |                      | 11                      | 35                     |
| 2539-14332        | 00000/0000                      | 2-2002R/1472     | 07/14/76         | 20             | 7514            | 3432N                              | 07107W                              | 57.4         | 104.3        | FGGG                  |                     |                      | 11                      | 36                     |
| 2539-16193        | 00000/0000                      | 2-2002R/1442     | 07/14/76         | 70             | 7515            | 2431N                              | 09946W                              | 56.6         | 87.0         | GGGG                  |                     |                      | 29                      | 43                     |
| 2539-17443        | 2-20029/0288                    | 00000/0000       | 07/14/76         | 90             | 7516            | 8058N                              | 04429W                              | 28.4         | 223.2        | FFF                   |                     |                      | 36                      | 246                    |
| 2539-17445        | 2-20029/0289                    | 00000/0000       | 07/14/76         | 90             | 7516            | 8037N                              | 05321W                              | 29.5         | 214.1        | FFF                   |                     |                      | 29                      | 248                    |
| 2539-17452        | 2-20029/0290                    | 00000/0000       | 07/14/76         | 100            | 7516            | 8005N                              | 06125W                              | 30.6         | 205.7        | FFF                   |                     |                      | 47                      | 1                      |
| 2539-17461        | 2-20029/0291                    | 00000/0000       | 07/14/76         | 50             | 7516            | 7831N                              | 07450W                              | 32.9         | 191.6        | FF                    |                     |                      | 47                      | 3                      |
| 2539-17463        | 2-20029/0292                    | 00000/0000       | 07/14/76         | 80             | 7516            | 7734N                              | 08008W                              | 34.0         | 185.9        | FFF                   |                     |                      | 47                      | 4                      |
| 2539-17540        | 00000/0000                      | 2-2002R/1231     | 07/14/76         | 90             | 7516            | 5421N                              | 11452W                              | 51.1         | 136.5        | FF                    |                     |                      | 47                      | 22                     |
| 2539-17543        | 00000/0000                      | 2-2002R/1232     | 07/14/76         | 80             | 7516            | 5257N                              | 11536W                              | 51.9         | 134.4        | FF P                  |                     |                      | 47                      | 23                     |
| 2539-17545        | 00000/0000                      | 2-2002R/1233     | 07/14/76         | 80             | 7516            | 5132N                              | 11619W                              | 52.6         | 132.2        | FFPF                  |                     |                      | 47                      | 24                     |
| 2539-19274        | 2-20029/0293                    | 00000/0000       | 07/14/76         | 90             | 7517            | 8058N                              | 07022W                              | 28.4         | 223.2        | GGG                   |                     |                      | 54                      | 246                    |
| 2539-19281        | 2-20029/0294                    | 00000/0000       | 07/14/76         | 80             | 7517            | 8038N                              | 07914W                              | 29.5         | 214.1        | GGG                   |                     |                      | 47                      | 248                    |
| 2539-21112        | 00000/0000                      | 2-2002R/1497     | 07/14/76         | 80             | 7518            | 8039N                              | 10443W                              | 29.4         | 214.3        | GGGG                  |                     |                      | 65                      | 248                    |
| 2539-21115        | 00000/0000                      | 2-2002R/1498     | 07/14/76         | 90             | 7518            | 8007N                              | 11251W                              | 30.6         | 205.9        | GGGG                  |                     |                      | 83                      | 1                      |
| 2539-21121        | 00000/0000                      | 2-2002R/1499     | 07/14/76         | 100            | 7518            | 7925N                              | 12006W                              | 31.7         | 198.4        | GGGG                  |                     |                      | 83                      | 2                      |
| 2539-21124        | 00000/0000                      | 2-2002R/1500     | 07/14/76         | 90             | 7518            | 7834N                              | 12621W                              | 32.8         | 191.8        | GGGG                  |                     |                      | 83                      | 3                      |
| 2539-21130        | 00000/0000                      | 2-2002R/1501     | 07/14/76         | 70             | 7518            | 7737N                              | 13141W                              | 33.9         | 186.0        | GGGG                  |                     |                      | 83                      | 4                      |
| 2539-21133        | 00000/0000                      | 2-2002R/1502     | 07/14/76         | 60             | 7518            | 7634N                              | 13416W                              | 35.0         | 181.0        | GGGG                  |                     |                      | 83                      | 5                      |
| 2539-21135        | 00000/0000                      | 2-2002R/1503     | 07/14/76         | 40             | 7518            | 7528N                              | 14015W                              | 36.1         | 176.6        | GGGG                  |                     |                      | 83                      | 6                      |
| 2539-21142        | 00000/0000                      | 2-2002R/1504     | 07/14/76         | 20             | 7518            | 7418N                              | 14340W                              | 37.2         | 172.7        | GGGG                  |                     |                      | 83                      | 7                      |
| 2539-21144        | 00000/0000                      | 2-2002R/1505     | 07/14/76         | 10             | 7518            | 7306N                              | 14638W                              | 38.2         | 169.2        | GGGG                  |                     |                      | 83                      | 8                      |
| 2539-21151        | 00000/0000                      | 2-2002R/1506     | 07/14/76         | 10             | 7518            | 7142N                              | 14912W                              | 39.3         | 166.0        | GGGG                  |                     |                      | 83                      | 9                      |
| 2539-23294        | 00000/0000                      | 2-2002R/1428     | 07/14/76         | 20             | 7519            | 3422S                              | 14221E                              | 18.5         | 45.5         | GGGG                  |                     |                      | 101                     | 84                     |
| 2539-23300        | 00000/0000                      | 2-2002R/1429     | 07/14/76         | 10             | 7519            | 3547S                              | 14155E                              | 17.3         | 45.5         | GGGG                  |                     |                      | 101                     | 85                     |
| 2539-23303        | 00000/0000                      | 2-2002R/1430     | 07/14/76         | 50             | 7519            | 3723S                              | 14128E                              | 16.1         | 45.4         | GGGG                  |                     |                      | 101                     | 86                     |
| 2540-00475        | 00000/0000                      | 2-2002R/1431     | 07/15/76         | 30             | 7520            | 5133N                              | 14024E                              | 52.5         | 132.3        | GGGG                  |                     |                      | 119                     | 24                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=3AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2540-00482        | 00000/0000                                     | 2-2002R/1432     | 07/15/76       | 70              | 7520                               | 5010N                               | 13945E       | 53.2         | 130.2                              |                     |                      |                         |                        |
| 2540-00484        | 00000/0000                                     | 2-2002R/1433     | 07/15/76       | 90              | 7520                               | 4846N                               | 13908E       | 53.8         | 128.0                              | GGGG                |                      | 119                     | 25                     |
| 2540-00491        | 00000/0000                                     | 2-2002R/1434     | 07/15/76       | 90              | 7520                               | 4721N                               | 13831E       | 54.3         | 125.8                              | GGGG                |                      | 119                     | 26                     |
| 2540-01114        | 00000/0000                                     | 2-2002R/1435     | 07/15/76       | 80              | 7520                               | 3010S                               | 11749E       | 22.1         | 46.0                               | GGGG                |                      | 119                     | 27                     |
| 2540-01120        | 00000/0000                                     | 2-2002R/1436     | 07/15/76       | 80              | 7520                               | 3136S                               | 11725E       | 21.0         | 45.8                               | GGGG                |                      | 119                     | 81                     |
| 2540-01123        | 00000/0000                                     | 2-2002R/1437     | 07/15/76       | 50              | 7520                               | 3302S                               | 11700E       | 19.8         | 45.6                               | GGGG                |                      | 119                     | 82                     |
| 2540-02311        | 00000/0000                                     | 2-2002R/1438     | 07/15/76       | 30              | 7521                               | 5143N                               | 11437E       | 52.5         | 132.3                              | GGGG                |                      | 119                     | 83                     |
| 2540-02313        | 00000/0000                                     | 2-2002R/1439     | 07/15/76       | 10              | 7521                               | 5009N                               | 11357E       | 53.1         | 130.2                              | GGGG                |                      | 137                     | 24                     |
| 2540-02340        | 00000/0000                                     | 2-2002R/1440     | 07/15/76       | 70              | 7521                               | 4140N                               | 11031E       | 56.2         | 116.5                              | GGGG                |                      | 137                     | 25                     |
| 2540-02343        | 00000/0000                                     | 2-2002R/1441     | 07/15/76       | 90              | 7521                               | 4016N                               | 11002E       | 56.5         | 114.2                              | GGGG                |                      | 137                     | 31                     |
| 2540-02345        | 00000/0000                                     | 2-2002R/1443     | 07/15/76       | 90              | 7521                               | 3850N                               | 10932E       | 56.8         | 111.8                              | GGGG                |                      | 137                     | 32                     |
| 2540-02352        | 00000/0000                                     | 2-2002R/1444     | 07/15/76       | 50              | 7521                               | 3725N                               | 10904E       | 57.0         | 109.3                              | GGGG                |                      | 137                     | 33                     |
| 2540-02354        | 00000/0000                                     | 2-2002R/1445     | 07/15/76       | 30              | 7521                               | 3600N                               | 10837E       | 57.2         | 106.9                              | GGGG                |                      | 137                     | 34                     |
| 2540-02361        | 00000/0000                                     | 2-2002R/1446     | 07/15/76       | 20              | 7521                               | 3435N                               | 10810E       | 57.3         | 104.4                              | GGGG                |                      | 137                     | 35                     |
| 2540-02363        | 00000/0000                                     | 2-2002R/1447     | 07/15/76       | 20              | 7521                               | 3309N                               | 10745E       | 57.4         | 102.0                              | GGGG                |                      | 137                     | 36                     |
| 2540-04122        | 00000/0000                                     | 2-2002R/1448     | 07/15/76       | 70              | 7522                               | 5832N                               | 09243E       | 48.7         | 142.7                              | GGGG                |                      | 137                     | 37                     |
| 2540-04125        | 00000/0000                                     | 2-2002R/1449     | 07/15/76       | 90              | 7522                               | 5708N                               | 09149E       | 49.5         | 140.6                              | GGGG                |                      | 155                     | 19                     |
| 2540-04131        | 00000/0000                                     | 2-2002R/1450     | 07/15/76       | 90              | 7522                               | 5545N                               | 09059E       | 50.3         | 138.6                              | GGGG                |                      | 155                     | 20                     |
| 2540-04134        | 00000/0000                                     | 2-2002R/1451     | 07/15/76       | 80              | 7522                               | 5421N                               | 09012E       | 51.1         | 136.5                              | GGGG                |                      | 155                     | 21                     |
| 2540-04140        | 00000/0000                                     | 2-2002R/1452     | 07/15/76       | 80              | 7522                               | 5258N                               | 08928E       | 51.8         | 134.4                              | GGGG                |                      | 155                     | 22                     |
| 2540-04145        | 00000/0000                                     | 2-2002R/1453     | 07/15/76       | 90              | 7522                               | 5079N                               | 08805E       | 53.1         | 130.2                              | GGG                 |                      | 155                     | 23                     |
| 2540-04152        | 00000/0000                                     | 2-2002R/1454     | 07/15/76       | 50              | 7522                               | 4844N                               | 08727E       | 53.8         | 128.0                              | GGGG                |                      | 155                     | 25                     |
| 2540-04154        | 00000/0000                                     | 2-2002R/1455     | 07/15/76       | 10              | 7522                               | 4720N                               | 08651E       | 54.3         | 125.8                              | GGGG                |                      | 155                     | 26                     |
| 2540-04161        | 00000/0000                                     | 2-2002R/1456     | 07/15/76       | 10              | 7522                               | 4555N                               | 08616E       | 54.9         | 123.5                              | GGGG                |                      | 155                     | 27                     |
| 2540-04163        | 00000/0000                                     | 2-2002R/1457     | 07/15/76       | 10              | 7522                               | 4431N                               | 08544E       | 55.3         | 121.2                              | GGGG                |                      | 155                     | 28                     |
| 2540-05551        | 00000/0000                                     | 2-2002R/1458     | 07/15/76       | 90              | 7523                               | 5944N                               | 06754E       | 47.8         | 144.7                              | GGGG                |                      | 155                     | 29                     |
| 2540-05554        | 00000/0000                                     | 2-2002R/1459     | 07/15/76       | 100             | 7523                               | 5831N                               | 06657E       | 48.7         | 142.7                              | GGGG                |                      | 173                     | 18                     |
| 2540-05560        | 00000/0000                                     | 2-2002R/1460     | 07/15/76       | 90              | 7523                               | 5708N                               | 06603E       | 49.5         | 140.6                              | GGGG                |                      | 173                     | 19                     |
| 2540-05563        | 00000/0000                                     | 2-2002R/1461     | 07/15/76       | 60              | 7523                               | 5545N                               | 06512E       | 50.3         | 138.6                              | GGGG                |                      | 173                     | 20                     |
| 2540-05565        | 00000/0000                                     | 2-2002R/1462     | 07/15/76       | 40              | 7523                               | 5421N                               | 06424E       | 51.0         | 136.5                              | GGGG                |                      | 173                     | 21                     |
| 2540-05572        | 00000/0000                                     | 2-2002R/1463     | 07/15/76       | 10              | 7523                               | 5257N                               | 06339E       | 51.8         | 134.4                              | GGGG                |                      | 173                     | 22                     |
| 2540-05574        | 00000/0000                                     | 2-2002R/1464     | 07/15/76       | 10              | 7523                               | 5134N                               | 06256E       | 52.5         | 132.3                              | GGGG                |                      | 173                     | 23                     |
| 2540-05581        | 00000/0000                                     | 2-2002R/1465     | 07/15/76       | 0               | 7523                               | 5010N                               | 06216E       | 53.1         | 130.2                              | GGGG                |                      | 173                     | 24                     |
| 2540-05583        | 00000/0000                                     | 2-2002R/1466     | 07/15/76       | 0               | 7523                               | 4845N                               | 06138E       | 53.7         | 128.0                              | GGGG                |                      | 173                     | 25                     |
| 2540-07374        | 00000/0000                                     | 2-2002R/1473     | 07/15/76       | 40              | 7524                               | 6228N                               | 04414E       | 46.0         | 148.9                              | GGG                 |                      | 191                     | 16                     |
| 2540-07380        | 00000/0000                                     | 2-2002R/1474     | 07/15/76       | 20              | 7524                               | 6116N                               | 04306E       | 46.9         | 146.8                              | GGGG                |                      | 191                     | 17                     |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------|------------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2540-07383        | 00000/0000                   | 2-20028/1475                | 07/15/76         | 10             | 7524             | 5954N                              | 04204E        | 47.8         | 144.7        | FGGG                               |                     |                      | 191                     | 18                     |
| 2540-07385        | 00000/0000                   | 2-20028/1476                | 07/15/76         | 20             | 7524             | 5831N                              | 04106E        | 48.7         | 142.7        | GGGG                               |                     |                      | 191                     | 19                     |
| 2540-07392        | 00000/0000                   | 2-20028/1477                | 07/15/76         | 10             | 7524             | 5707N                              | 04012E        | 49.5         | 140.6        | FGGG                               |                     |                      | 191                     | 20                     |
| 2540-07394        | 00000/0000                   | 2-20028/1478                | 07/15/76         | 20             | 7524             | 5544N                              | 03922E        | 50.3         | 138.6        | FGGG                               |                     |                      | 191                     | 21                     |
| 2540-07401        | 00000/0000                   | 2-20028/1388                | 07/15/76         | 90             | 7524             | 5421N                              | 03835E        | 51.0         | 136.5        | GGG                                |                     |                      | 191                     | 22                     |
| 2540-07403        | 00000/0000                   | 2-20028/1389                | 07/15/76         | 90             | 7524             | 5257N                              | 03751E        | 51.8         | 134.4        | GGG                                |                     |                      | 191                     | 23                     |
| 2540-07410        | 00000/0000                   | 2-20028/1390                | 07/15/76         | 90             | 7524             | 5133N                              | 03708E        | 52.5         | 132.3        | GGG                                |                     |                      | 191                     | 24                     |
| 2540-07412        | 00000/0000                   | 2-20028/1391                | 07/15/76         | 90             | 7524             | 5009N                              | 03628E        | 53.1         | 130.2        | GGG                                |                     |                      | 191                     | 25                     |
| 2540-07415        | 00000/0000                   | 2-20028/1392                | 07/15/76         | 90             | 7524             | 4844N                              | 03550E        | 53.7         | 128.0        | GGGG                               |                     |                      | 191                     | 26                     |
| 2540-07421        | 00000/0000                   | 2-20028/1393                | 07/15/76         | 90             | 7524             | 4719N                              | 03513E        | 54.3         | 125.8        | GGGG                               |                     |                      | 191                     | 27                     |
| 2540-07424        | 00000/0000                   | 2-20028/1394                | 07/15/76         | 50             | 7524             | 4585N                              | 03438E        | 54.8         | 123.5        | GGGG                               |                     |                      | 191                     | 28                     |
| 2540-07430        | 00000/0000                   | 2-20028/1395                | 07/15/76         | 30             | 7524             | 4429N                              | 03405E        | 55.3         | 121.2        | GGGF                               |                     |                      | 191                     | 29                     |
| 2540-13150        | 00000/0000                   | 2-20028/1396                | 07/15/76         | 10             | 7527             | 3199S                              | 06319W        | 21.0         | 45.8         | FFF                                |                     |                      | 245                     | 82                     |
| 2540-13152        | 00000/0000                   | 2-20028/1397                | 07/15/76         | 10             | 7527             | 3374S                              | 06344W        | 19.8         | 45.7         | PPP                                |                     |                      | 245                     | 83                     |
| 2540-13155        | 00000/0000                   | 2-20028/1398                | 07/15/76         | 40             | 7527             | 3430S                              | 06410W        | 18.6         | 45.6         | FGGF                               |                     |                      | 245                     | 84                     |
| 2540-13161        | 00000/0000                   | 2-20028/1399                | 07/15/76         | 30             | 7527             | 3556S                              | 06436W        | 17.4         | 45.5         | FFF                                |                     |                      | 245                     | 85                     |
| 2540-13164        | 00000/0000                   | 2-20028/1400                | 07/15/76         | 80             | 7527             | 3722S                              | 06503W        | 16.2         | 45.5         | FFF                                |                     |                      | 245                     | 86                     |
| 2540-14240        | 00000/0000                   | 2-20028/1401                | 07/15/76         | 70             | 7528             | 8038N                              | 00300W        | 29.3         | 214.3        | GGG                                |                     |                      | 245                     | 248                    |
| 2540-14243        | 00000/0000                   | 2-20028/1402                | 07/15/76         | 10             | 7528             | 8006N                              | 01107W        | 30.5         | 205.9        | FGGG                               |                     |                      | 12                      | 1                      |
| 2540-14245        | 00000/0000                   | 2-20028/1403                | 07/15/76         | 10             | 7528             | 7924N                              | 01816W        | 31.6         | 198.3        | GGGG                               |                     |                      | 12                      | 2                      |
| 2540-14331        | 00000/0000                   | 2-20028/1521                | 07/15/76         | 50             | 7528             | 5418N                              | 06441W        | 51.0         | 136.5        | GGGG                               |                     |                      | 12                      | 22                     |
| 2540-14334        | 00000/0000                   | 2-20028/1522                | 07/15/76         | 90             | 7528             | 5255N                              | 06525W        | 51.7         | 134.4        | GGGG                               |                     |                      | 12                      | 23                     |
| 2540-14340        | 00000/0000                   | 2-20028/1523                | 07/15/76         | 50             | 7528             | 5131N                              | 06607W        | 52.4         | 132.3        | GGGG                               |                     |                      | 12                      | 24                     |
| 2540-14343        | 00000/0000                   | 2-20028/1524                | 07/15/76         | 10             | 7528             | 5007N                              | 06648W        | 53.1         | 130.1        | GGGG                               |                     |                      | 12                      | 25                     |
| 2540-14345        | 00000/0000                   | 2-20028/1525                | 07/15/76         | 30             | 7528             | 4842N                              | 06726W        | 53.7         | 128.0        | GGGG                               |                     |                      | 12                      | 26                     |
| 2540-14390        | 00000/0000                   | 2-20028/1526                | 07/15/76         | 10             | 7528             | 3430N                              | 07233W        | 57.3         | 104.5        | GGGG                               |                     |                      | 12                      | 36                     |
| 2540-14393        | 00000/0000                   | 2-20028/1527                | 07/15/76         | 10             | 7528             | 3305N                              | 07259W        | 57.3         | 102.0        | GGGG                               |                     |                      | 12                      | 37                     |
| 2540-14395        | 00000/0000                   | 2-20028/1528                | 07/15/76         | 10             | 7528             | 3139N                              | 07324W        | 57.3         | 99.6         | GGGG                               |                     |                      | 12                      | 38                     |
| 2540-17501        | 2-20029/0263                 | 00000/0000                  | 07/15/76         | 90             | 7530             | 8058N                              | 04628W        | 28.3         | 222.7        | GGG                                |                     |                      | 37                      | 246                    |
| 2540-17504        | 2-20029/0264                 | 00000/0000                  | 07/15/76         | 90             | 7530             | 8037N                              | 05518W        | 29.4         | 213.6        | GGG                                |                     |                      | 31                      | 248                    |
| 2540-17510        | 2-20029/0265                 | 00000/0000                  | 07/15/76         | 60             | 7530             | 8004N                              | 06320W        | 30.5         | 205.2        | GGG                                |                     |                      | 49                      | 1                      |
| 2540-17513        | 2-20030/1858                 | 00000/0000                  | 07/15/76         | 30             | 7530             | 7921N                              | 07027W        | 31.7         | 197.8        | GGG                                |                     |                      | 49                      | 2                      |
| 2540-17515        | 2-20030/1859                 | 00000/0000                  | 07/15/76         | 30             | 7530             | 7829N                              | 07638W        | 32.8         | 191.3        | GGG                                |                     |                      | 49                      | 3                      |
| 2540-17522        | 2-20030/1860                 | 00000/0000                  | 07/15/76         | 40             | 7530             | 7721N                              | 08155W        | 33.9         | 185.6        | GGG                                |                     |                      | 49                      | 4                      |
| 2540-19332        | 2-20030/1861                 | 00000/0000                  | 07/15/76         | 20             | 7531             | 8009N                              | 07129W        | 28.2         | 223.4        | GGG                                |                     |                      | 54                      | 246                    |
| 2540-19335        | 2-20030/1862                 | 00000/0000                  | 07/15/76         | 10             | 7531             | 8039N                              | 08027W        | 29.3         | 214.2        | GGG                                |                     |                      | 48                      | 248                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANKS)=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>REV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2540-21170        | 00000/0000                   | 2-2002R/1378                | 07/15/76         | 90             | 7532            | 8040N                        | 10557W        | 29.3         | 214.5        | GGG                   |                     |                      | 66                      | 248                    |
| 2540-21173        | 00000/0000                   | 2-2002R/1379                | 07/15/76         | 90             | 7532            | 8008N                        | 11408W        | 30.4         | 206.1        | FGGG                  |                     |                      | 84                      | 1                      |
| 2540-21175        | 00000/0000                   | 2-2002R/1380                | 07/15/76         | 90             | 7532            | 7926N                        | 12123W        | 31.5         | 198.6        | GGGG                  |                     |                      | 84                      | 2                      |
| 2540-21182        | 00000/0000                   | 2-2002R/1381                | 07/15/76         | 10             | 7532            | 7836N                        | 12739W        | 32.6         | 191.9        | GGGG                  |                     |                      | 84                      | 3                      |
| 2540-21184        | 00000/0000                   | 2-2002R/1382                | 07/15/76         | 10             | 7532            | 7738N                        | 13305W        | 33.7         | 186.1        | GGG                   |                     |                      | 84                      | 4                      |
| 2540-21191        | 00000/0000                   | 2-2002R/1383                | 07/15/76         | 10             | 7532            | 7635N                        | 13741W        | 34.8         | 181.1        | GGGG                  |                     |                      | 84                      | 5                      |
| 2540-21193        | 00000/0000                   | 2-2002R/1384                | 07/15/76         | 70             | 7532            | 7529N                        | 14138W        | 35.9         | 176.6        | GGG                   |                     |                      | 84                      | 6                      |
| 2540-21200        | 00000/0000                   | 2-2002R/1385                | 07/15/76         | 30             | 7532            | 7420N                        | 14503W        | 37.0         | 172.7        | GGG                   |                     |                      | 84                      | 7                      |
| 2540-21202        | 00000/0000                   | 2-2002R/1386                | 07/15/76         | 0              | 7532            | 7307N                        | 14801W        | 38.0         | 169.2        | GGG                   |                     |                      | 84                      | 8                      |
| 2540-21205        | 00000/0000                   | 2-2002R/1387                | 07/15/76         | 0              | 7532            | 7153N                        | 15035W        | 39.1         | 166.0        | GGGG                  |                     |                      | 84                      | 9                      |
| 2540-23352        | 00000/0000                   | 2-2002R/1479                | 07/15/76         | 20             | 7533            | 3429S                        | 14056E        | 18.6         | 45.7         | GGGF                  |                     |                      | 102                     | 84                     |
| 2540-23355        | 00000/0000                   | 2-2002R/1480                | 07/15/76         | 90             | 7533            | 3555S                        | 14030E        | 17.4         | 45.6         | GFGR                  |                     |                      | 102                     | 85                     |
| 2541-00534        | 00000/0000                   | 2-2002R/1481                | 07/16/76         | 60             | 7534            | 5132N                        | 13859E        | 52.4         | 132.4        | GGGG                  |                     |                      | 120                     | 24                     |
| 2541-01054        | 00000/0000                   | 2-2002R/1482                | 07/16/76         | 80             | 7534            | 1006N                        | 12609E        | 51.1         | 68.4         | GGGG                  |                     |                      | 120                     | 53                     |
| 2541-01061        | 00000/0000                   | 2-2002R/1483                | 07/16/76         | 70             | 7534            | 0839N                        | 12549E        | 50.3         | 66.8         | GGGG                  |                     |                      | 120                     | 54                     |
| 2541-01063        | 00000/0000                   | 2-2002R/1484                | 07/16/76         | 90             | 7534            | 0712N                        | 12528E        | 49.5         | 65.4         | GGGG                  |                     |                      | 120                     | 55                     |
| 2541-01170        | 00000/0000                   | 2-2002R/1485                | 07/16/76         | 30             | 7534            | 2847S                        | 11646E        | 23.4         | 46.3         | GGGG                  |                     |                      | 120                     | 80                     |
| 2541-01172        | 00000/0000                   | 2-2002R/1486                | 07/16/76         | 30             | 7534            | 3013S                        | 11422E        | 22.2         | 46.1         | GGGG                  |                     |                      | 120                     | 81                     |
| 2541-01175        | 00000/0000                   | 2-2002R/1487                | 07/16/76         | 10             | 7534            | 3138S                        | 11558E        | 21.0         | 45.9         | GGGG                  |                     |                      | 120                     | 82                     |
| 2541-02363        | 00000/0000                   | 2-2002R/1488                | 07/16/76         | 10             | 7535            | 5257N                        | 11350E        | 51.6         | 134.5        | GGGG                  |                     |                      | 138                     | 23                     |
| 2541-02365        | 00000/0000                   | 2-2002R/1489                | 07/16/76         | 10             | 7535            | 5132N                        | 11308E        | 52.3         | 132.4        | GFGR                  |                     |                      | 138                     | 24                     |
| 2541-02372        | 00000/0000                   | 2-2002R/1490                | 07/16/76         | 20             | 7535            | 5008N                        | 11229E        | 53.0         | 130.2        | GGGG                  |                     |                      | 138                     | 25                     |
| 2541-02374        | 00000/0000                   | 2-2002R/1491                | 07/16/76         | 10             | 7535            | 4844N                        | 11151E        | 53.6         | 128.1        | GGGG                  |                     |                      | 138                     | 26                     |
| 2541-02395        | 00000/0000                   | 2-2002R/1492                | 07/16/76         | 30             | 7535            | 4140N                        | 10905E        | 56.1         | 116.7        | GGGG                  |                     |                      | 138                     | 31                     |
| 2541-02401        | 00000/0000                   | 2-2002R/1493                | 07/16/76         | 10             | 7535            | 4015N                        | 10835E        | 56.4         | 114.3        | GGGG                  |                     |                      | 138                     | 32                     |
| 2541-02404        | 00000/0000                   | 2-2002R/1494                | 07/16/76         | 10             | 7535            | 3849N                        | 10806E        | 56.7         | 111.9        | GGGG                  |                     |                      | 138                     | 33                     |
| 2541-02410        | 00000/0000                   | 2-2002R/1495                | 07/16/76         | 10             | 7535            | 3724N                        | 10738E        | 56.9         | 109.5        | GGGG                  |                     |                      | 138                     | 34                     |
| 2541-02413        | 00000/0000                   | 2-2002R/1496                | 07/16/76         | 10             | 7535            | 3559N                        | 10710E        | 57.1         | 107.1        | GGGG                  |                     |                      | 138                     | 35                     |
| 2541-02415        | 00000/0000                   | 2-2002R/1529                | 07/16/76         | 40             | 7535            | 3433N                        | 10643E        | 57.2         | 104.6        | GGGG                  |                     |                      | 138                     | 36                     |
| 2541-02422        | 00000/0000                   | 2-2002R/1530                | 07/16/76         | 70             | 7535            | 3308N                        | 10618E        | 57.3         | 102.2        | GGGG                  |                     |                      | 138                     | 37                     |
| 2541-04180        | 00000/0000                   | 2-2002R/1753                | 07/16/76         | 10             | 7536            | 5830N                        | 09115E        | 48.5         | 142.7        | GGGG                  |                     |                      | 156                     | 19                     |
| 2541-04183        | 00000/0000                   | 2-2002R/1754                | 07/16/76         | 30             | 7536            | 5727N                        | 09021E        | 49.4         | 140.6        | GGGG                  |                     |                      | 156                     | 20                     |
| 2541-04185        | 00000/0000                   | 2-2002R/1531                | 07/16/76         | 40             | 7536            | 5544N                        | 08931E        | 50.1         | 138.6        | GGGG                  |                     |                      | 156                     | 21                     |
| 2541-04192        | 00000/0000                   | 2-2002R/1532                | 07/16/76         | 30             | 7536            | 5420N                        | 08844E        | 50.9         | 136.5        | GGGG                  |                     |                      | 156                     | 22                     |
| 2541-04194        | 00000/0000                   | 2-2002R/1533                | 07/16/76         | 10             | 7536            | 5254N                        | 08800E        | 51.6         | 134.5        | GGGG                  |                     |                      | 156                     | 23                     |
| 2541-04212        | 00000/0000                   | 2-2002R/1534                | 07/16/76         | 20             | 7536            | 4719N                        | 08524E        | 54.2         | 125.9        | GGGG                  |                     |                      | 156                     | 27                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2541-04215        | 00000/0000                   | 2-2002A/1535                | 07/16/76         | 10             | 7536          | 4555N                        | 08449E        | 54.7         | 123.6        | GGGG                               |                     |                      | 156                     | 28                     |
| 2541-04221        | 00000/0000                   | 2-2002A/1536                | 07/16/76         | 30             | 7536          | 4430N                        | 08417E        | 55.2         | 121.3        | GGGG                               |                     |                      | 156                     | 29                     |
| 2541-06012        | 00000/0000                   | 2-2002A/1537                | 07/16/76         | 100            | 7537          | 5830N                        | 06528E        | 48.5         | 142.7        | GGGG                               |                     |                      | 174                     | 19                     |
| 2541-06014        | 00000/0000                   | 2-2002A/1538                | 07/16/76         | 100            | 7537          | 5707N                        | 06435E        | 49.3         | 140.6        | GGGG                               |                     |                      | 174                     | 20                     |
| 2541-06021        | 00000/0000                   | 2-2002A/1539                | 07/16/76         | 100            | 7537          | 5544N                        | 06345E        | 50.1         | 138.6        | GGGG                               |                     |                      | 174                     | 21                     |
| 2541-06023        | 00000/0000                   | 2-2002A/1540                | 07/16/76         | 100            | 7537          | 5420N                        | 06258E        | 50.9         | 136.5        | GGGG                               |                     |                      | 174                     | 22                     |
| 2541-06030        | 00000/0000                   | 2-2002A/1541                | 07/16/76         | 80             | 7537          | 5256N                        | 06213E        | 51.6         | 134.5        | GGGG                               |                     |                      | 174                     | 23                     |
| 2541-06032        | 00000/0000                   | 2-2002A/1542                | 07/16/76         | 60             | 7537          | 5133N                        | 06131E        | 52.3         | 132.4        | GGGG                               |                     |                      | 174                     | 24                     |
| 2541-06035        | 00000/0000                   | 2-2002A/1543                | 07/16/76         | 40             | 7537          | 5009N                        | 06051E        | 53.0         | 130.2        | GGGG                               |                     |                      | 174                     | 25                     |
| 2541-06041        | 00000/0000                   | 2-2002A/1544                | 07/16/76         | 10             | 7537          | 4844N                        | 06012E        | 53.6         | 128.1        | GGGG                               |                     |                      | 174                     | 26                     |
| 2541-06073        | 00000/0000                   | 2-2002A/1545                | 07/16/76         | 30             | 7537          | 3722N                        | 05558E        | 54.9         | 109.5        | GGGG                               |                     |                      | 174                     | 34                     |
| 2541-06080        | 00000/0000                   | 2-2002A/1546                | 07/16/76         | 10             | 7537          | 3567N                        | 05531E        | 57.1         | 107.1        | GGGG                               |                     |                      | 174                     | 35                     |
| 2541-06082        | 00000/0000                   | 2-2002A/1547                | 07/16/76         | 0              | 7537          | 3431N                        | 05505E        | 57.2         | 104.6        | GGGG                               |                     |                      | 174                     | 36                     |
| 2541-06103        | 00000/0000                   | 2-2002A/1548                | 07/16/76         | 10             | 7537          | 2722N                        | 05302E        | 57.0         | 92.6         | GGGG                               |                     |                      | 174                     | 41                     |
| 2541-07435        | 00000/0000                   | 2-2002A/1755                | 07/16/76         | 30             | 7538          | 6115N                        | 04139E        | 46.8         | 146.8        | GGGG                               |                     |                      | 192                     | 17                     |
| 2541-07441        | 00000/0000                   | 2-2002A/1756                | 07/16/76         | 30             | 7538          | 5952N                        | 04037E        | 47.7         | 144.7        | GGGG                               |                     |                      | 192                     | 18                     |
| 2541-07444        | 00000/0000                   | 2-2002A/1757                | 07/16/76         | 10             | 7538          | 5830N                        | 03940E        | 48.5         | 142.7        | GGGG                               |                     |                      | 192                     | 19                     |
| 2541-07450        | 00000/0000                   | 2-2002A/1758                | 07/16/76         | 30             | 7538          | 5707N                        | 03846E        | 49.3         | 140.6        | GGGG                               |                     |                      | 192                     | 20                     |
| 2541-07453        | 00000/0000                   | 2-2002A/1759                | 07/16/76         | 70             | 7538          | 5543N                        | 03755E        | 50.1         | 138.6        | GGGG                               |                     |                      | 192                     | 21                     |
| 2541-07455        | 00000/0000                   | 2-2002A/1760                | 07/16/76         | 70             | 7538          | 5420N                        | 03708E        | 50.9         | 136.5        | GGGG                               |                     |                      | 192                     | 22                     |
| 2541-07462        | 00000/0000                   | 2-2002A/1761                | 07/16/76         | 80             | 7538          | 5256N                        | 03624E        | 51.6         | 134.5        | GGGG                               |                     |                      | 192                     | 23                     |
| 2541-07464        | 00000/0000                   | 2-2002A/1762                | 07/16/76         | 90             | 7538          | 5132N                        | 03541E        | 52.3         | 132.4        | GGGG                               |                     |                      | 192                     | 24                     |
| 2541-07473        | 00000/0000                   | 2-2002A/1769                | 07/16/76         | 90             | 7538          | 4843N                        | 03422E        | 53.6         | 128.1        | GGGG                               |                     |                      | 192                     | 26                     |
| 2541-07480        | 00000/0000                   | 2-2002A/1580                | 07/16/76         | 80             | 7538          | 4718N                        | 03346E        | 54.2         | 125.9        | GGGG                               |                     |                      | 192                     | 27                     |
| 2541-07482        | 00000/0000                   | 2-2002A/1581                | 07/16/76         | 40             | 7538          | 4553N                        | 03311E        | 54.7         | 123.6        | GGGG                               |                     |                      | 192                     | 28                     |
| 2541-11040        | 00000/0000                   | 2-2002A/1582                | 07/16/76         | 60             | 7540          | 7925N                        | 03213E        | 31.4         | 198.6        | GGGG                               |                     |                      | 228                     | 2                      |
| 2541-11043        | 00000/0000                   | 2-2002A/1583                | 07/16/76         | 30             | 7540          | 7834N                        | 02556E        | 32.5         | 191.9        | GGGG                               |                     |                      | 228                     | 3                      |
| 2541-11045        | 00000/0000                   | 2-2002A/1584                | 07/16/76         | 50             | 7540          | 7738N                        | 02031E        | 33.6         | 186.1        | FFGG                               |                     |                      | 228                     | 4                      |
| 2541-11052        | 00000/0000                   | 2-2002A/1585                | 07/16/76         | 90             | 7540          | 7636N                        | 01553E        | 34.7         | 181.1        | GGGG                               |                     |                      | 228                     | 5                      |
| 2541-11054        | 00000/0000                   | 2-2002A/1586                | 07/16/76         | 90             | 7540          | 7529N                        | 01154E        | 35.8         | 176.6        | GGGG                               |                     |                      | 228                     | 6                      |
| 2541-12463        | 00000/0000                   | 2-2002A/1587                | 07/16/76         | 10             | 7541          | 8038N                        | 02144E        | 29.2         | 214.5        | GGGG                               |                     |                      | 228                     | 248                    |
| 2541-12465        | 00000/0000                   | 2-2002A/1588                | 07/16/76         | 70             | 7541          | 8064N                        | 01337E        | 30.3         | 206.1        | FFGG                               |                     |                      | 246                     | 1                      |
| 2541-12472        | 00000/0000                   | 2-2002A/1589                | 07/16/76         | 90             | 7541          | 7924N                        | 00624E        | 31.4         | 198.5        | GGGG                               |                     |                      | 246                     | 2                      |
| 2541-12474        | 00000/0000                   | 2-2002A/1590                | 07/16/76         | 80             | 7541          | 7834N                        | 00006E        | 32.5         | 191.9        | FFGG                               |                     |                      | 246                     | 3                      |
| 2541-12481        | 00000/0000                   | 2-2002A/1591                | 07/16/76         | 80             | 7541          | 7737N                        | 00517W        | 33.6         | 186.1        | GGGG                               |                     |                      | 246                     | 4                      |
| 2541-12483        | 00000/0000                   | 2-2002A/1592                | 07/16/76         | 90             | 7541          | 7635N                        | 00953W        | 34.7         | 181.0        | GGGG                               |                     |                      | 246                     | 5                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>POINT<br>OF IMAGE | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|---------------------------------|-----------------------------|------------------|----------------|-----------------|--------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2541-13204        | 00000/0000                      | 2-2002R/1593                | 07/16/76         | 0              | 7541            | 3137S                          | 06444W       | 21.1         | 46.0              | GGGG        |                     |                      | 246                     | 82                     |
| 2541-13210        | 00000/0000                      | 2-2002R/1594                | 07/16/76         | 0              | 7541            | 3303S                          | 06509W       | 19.1         | 45.8              | GGGF        |                     |                      | 246                     | 83                     |
| 2541-14403        | 00000/0000                      | 2-2002R/1763                | 07/16/76         | 60             | 7542            | 4845N                          | 06850W       | 53.5         | 128.1             | GGGG        |                     |                      | 13                      | 26                     |
| 2541-14460        | 00000/0000                      | 2-2002R/1764                | 07/16/76         | 10             | 7542            | 3015N                          | 07515W       | 57.2         | 97.5              | GGGG        |                     |                      | 13                      | 39                     |
| 2541-14462        | 00000/0000                      | 2-2002R/1765                | 07/16/76         | 10             | 7542            | 2849N                          | 07539W       | 57.1         | 95.1              | GGGG        |                     |                      | 13                      | 40                     |
| 2541-14465        | 00000/0000                      | 2-2002R/1766                | 07/16/76         | 10             | 7542            | 2723N                          | 07603W       | 56.9         | 92.7              | GGGG        |                     |                      | 13                      | 41                     |
| 2541-16232        | 00000/0000                      | 2-2002R/1549                | 07/16/76         | 70             | 7543            | 5019N                          | 09400W       | 52.9         | 130.3             | FGG         |                     |                      | 31                      | 25                     |
| 2541-17562        | 2-20030/1863                    | 00000/0000                  | 07/16/76         | 30             | 7544            | 8037N                          | 05626W       | 29.2         | 213.8             | GGG         |                     |                      | 31                      | 248                    |
| 2541-17564        | 2-20030/1864                    | 00000/0000                  | 07/16/76         | 20             | 7544            | 8055N                          | 06430W       | 30.3         | 205.4             | GGG         |                     |                      | 49                      | 1                      |
| 2541-17571        | 2-20030/1865                    | 00000/0000                  | 07/16/76         | 30             | 7544            | 7922N                          | 07140W       | 31.5         | 197.9             | GGG         |                     |                      | 49                      | 2                      |
| 2541-17573        | 2-20030/1866                    | 00000/0000                  | 07/16/76         | 20             | 7544            | 7811N                          | 07754W       | 32.6         | 191.4             | GGG         |                     |                      | 49                      | 3                      |
| 2541-17580        | 2-20030/1867                    | 00000/0000                  | 07/16/76         | 50             | 7544            | 7733N                          | 08314W       | 33.7         | 185.7             | GGG         |                     |                      | 49                      | 4                      |
| 2541-19391        | 2-20030/1868                    | 00000/0000                  | 07/16/76         | 60             | 7545            | 8058N                          | 07328W       | 28.1         | 222.8             | GGG         |                     |                      | 56                      | 246                    |
| 2541-19393        | 2-20030/1869                    | 00000/0000                  | 07/16/76         | 40             | 7545            | 8037N                          | 08217W       | 29.2         | 213.7             | GGG         |                     |                      | 49                      | 248                    |
| 2541-21225        | 00000/0000                      | 2-2002R/1578                | 07/16/76         | 90             | 7546            | 8039N                          | 10731W       | 29.1         | 214.3             | GGGF        |                     |                      | 67                      | 248                    |
| 2542-01010        | 00000/0000                      | 2-2002R/1631                | 07/17/76         | 60             | 7548            | 4553N                          | 13503E       | 54.6         | 123.7             | GGGG        |                     |                      | 121                     | 28                     |
| 2542-01094        | 00000/0000                      | 2-2002R/1632                | 07/17/76         | 10             | 7548            | 1551N                          | 12606E       | 53.7         | 75.6              | FGGG        |                     |                      | 121                     | 49                     |
| 2542-01101        | 00000/0000                      | 2-2002R/1633                | 07/17/76         | 30             | 7548            | 1425N                          | 12545E       | 53.1         | 73.8              | FGGG        |                     |                      | 121                     | 50                     |
| 2542-01103        | 00000/0000                      | 2-2002R/1634                | 07/17/76         | 40             | 7548            | 1258N                          | 12524E       | 52.5         | 72.0              | GGGG        |                     |                      | 121                     | 51                     |
| 2542-01110        | 00000/0000                      | 2-2002R/1635                | 07/17/76         | 60             | 7548            | 1172N                          | 12504E       | 51.8         | 70.3              | GGGG        |                     |                      | 121                     | 52                     |
| 2542-01112        | 00000/0000                      | 2-2002R/1636                | 07/17/76         | 70             | 7548            | 1075N                          | 12443E       | 51.1         | 68.6              | GGGG        |                     |                      | 121                     | 53                     |
| 2542-01115        | 00000/0000                      | 2-2002R/1637                | 07/17/76         | 80             | 7548            | 0878N                          | 12423E       | 50.3         | 67.1              | GGGG        |                     |                      | 121                     | 54                     |
| 2542-01121        | 00000/0000                      | 2-2002R/1638                | 07/17/76         | 90             | 7548            | 0711N                          | 12403E       | 49.5         | 65.6              | GG G        |                     |                      | 121                     | 55                     |
| 2542-02414        | 00000/0000                      | 2-2002R/1639                | 07/17/76         | 10             | 7549            | 5423N                          | 11310E       | 50.7         | 136.7             | GGGG        |                     |                      | 139                     | 27                     |
| 2542-02421        | 00000/0000                      | 2-2002R/1640                | 07/17/76         | 20             | 7549            | 5259N                          | 11226E       | 51.5         | 134.6             | GGGG        |                     |                      | 139                     | 28                     |
| 2542-02435        | 00000/0000                      | 2-2002R/1680                | 07/17/76         | 10             | 7550            | 5832N                          | 08949E       | 48.3         | 142.8             | G           |                     |                      | 157                     | 19                     |
| 2542-02441        | 00000/0000                      | 2-2002R/1681                | 07/17/76         | 10             | 7550            | 5709N                          | 08855E       | 49.2         | 140.8             | GGGG        |                     |                      | 157                     | 20                     |
| 2542-02444        | 00000/0000                      | 2-2002R/1682                | 07/17/76         | 10             | 7550            | 5545N                          | 08805E       | 50.0         | 138.7             | GGGG        |                     |                      | 157                     | 21                     |
| 2542-02450        | 00000/0000                      | 2-2002R/1683                | 07/17/76         | 30             | 7550            | 5422N                          | 08718E       | 50.7         | 136.7             | GGGG        |                     |                      | 157                     | 22                     |
| 2542-02453        | 00000/0000                      | 2-2002R/1684                | 07/17/76         | 60             | 7550            | 5259N                          | 08634E       | 51.5         | 134.6             | GGGG        |                     |                      | 157                     | 23                     |
| 2542-02455        | 00000/0000                      | 2-2002R/1685                | 07/17/76         | 70             | 7550            | 5135N                          | 08552E       | 52.2         | 132.5             | GGGG        |                     |                      | 157                     | 24                     |
| 2542-02462        | 00000/0000                      | 2-2002R/1686                | 07/17/76         | 50             | 7550            | 5010N                          | 08512E       | 52.8         | 130.4             | GGGG        |                     |                      | 157                     | 25                     |
| 2542-02464        | 00000/0000                      | 2-2002R/1641                | 07/17/76         | 20             | 7550            | 4845N                          | 08434E       | 53.4         | 128.2             | GGGG        |                     |                      | 157                     | 26                     |
| 2542-02471        | 00000/0000                      | 2-2002R/1642                | 07/17/76         | 10             | 7550            | 4722N                          | 08358E       | 54.0         | 126.0             | GGGG        |                     |                      | 157                     | 27                     |
| 2542-02473        | 00000/0000                      | 2-2002R/1643                | 07/17/76         | 20             | 7550            | 4557N                          | 08323E       | 54.6         | 123.8             | GGGG        |                     |                      | 157                     | 28                     |
| 2542-02480        | 00000/0000                      | 2-2002R/1644                | 07/17/76         | 40             | 7550            | 4432N                          | 08250E       | 55.1         | 121.5             | GGGG        |                     |                      | 157                     | 29                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK; NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2542-06070        | 00000/0000                   | 2-2002R/1645                | 07/17/76         | 70             | 7551            | 5832N                                   | 06403E       | 48.3         | 142.8                              | GGGG                |                      | 175                     | 19                     |
| 2542-06073        | 00000/0000                   | 2-2002R/1646                | 07/17/76         | 90             | 7551            | 5709N                                   | 06309E       | 49.2         | 140.8                              | GGGG                |                      | 175                     | 20                     |
| 2542-06075        | 00000/0000                   | 2-2002R/1647                | 07/17/76         | 100            | 7551            | 5546N                                   | 06218E       | 50.0         | 138.7                              | GGGG                |                      | 175                     | 21                     |
| 2542-06082        | 00000/0000                   | 2-2002R/1648                | 07/17/76         | 90             | 7551            | 5422N                                   | 06131E       | 50.7         | 136.7                              | GGGG                |                      | 175                     | 22                     |
| 2542-06084        | 00000/0000                   | 2-2002R/1649                | 07/17/76         | 100            | 7551            | 5258N                                   | 06047E       | 51.5         | 134.6                              | GGGG                |                      | 175                     | 23                     |
| 2542-06091        | 00000/0000                   | 2-2002R/1650                | 07/17/76         | 90             | 7551            | 5134N                                   | 06008E       | 52.1         | 132.5                              | GGGG                |                      | 175                     | 24                     |
| 2542-06093        | 00000/0000                   | 2-2002R/1651                | 07/17/76         | 50             | 7551            | 5010N                                   | 05925E       | 52.8         | 130.4                              | GGGG                |                      | 175                     | 25                     |
| 2542-06100        | 00000/0000                   | 2-2002R/1652                | 07/17/76         | 50             | 7551            | 4846N                                   | 05846E       | 53.4         | 128.2                              | GGGG                |                      | 175                     | 26                     |
| 2542-06125        | 00000/0000                   | 2-2002R/1653                | 07/17/76         | 20             | 7551            | 3800N                                   | 05500E       | 56.5         | 112.2                              | GGGG                |                      | 175                     | 33                     |
| 2542-06132        | 00000/0000                   | 2-2002R/1654                | 07/17/76         | 60             | 7551            | 3724N                                   | 05432E       | 56.8         | 109.8                              | GGGG                |                      | 175                     | 34                     |
| 2542-06134        | 00000/0000                   | 2-2002R/1655                | 07/17/76         | 30             | 7551            | 3559N                                   | 05405E       | 57.0         | 107.4                              | GGGG                |                      | 175                     | 35                     |
| 2542-06141        | 00000/0000                   | 2-2002R/1656                | 07/17/76         | 0              | 7551            | 3433N                                   | 05339E       | 57.1         | 104.9                              | GGFF                |                      | 175                     | 36                     |
| 2542-06143        | 00000/0000                   | 2-2002R/1657                | 07/17/76         | 10             | 7551            | 3307N                                   | 05313E       | 57.2         | 102.5                              | GGFF                |                      | 175                     | 37                     |
| 2542-06150        | 00000/0000                   | 2-2002R/1658                | 07/17/76         | 0              | 7551            | 3142N                                   | 05248E       | 57.2         | 100.1                              | FGGG                |                      | 175                     | 38                     |
| 2542-06152        | 00000/0000                   | 2-2002R/1659                | 07/17/76         | 0              | 7551            | 3016N                                   | 05223E       | 57.1         | 97.7                               | GGGG                |                      | 175                     | 39                     |
| 2542-07493        | 00000/0000                   | 2-2002R/1687                | 07/17/76         | 30             | 7552            | 6117N                                   | 04013E       | 46.6         | 146.9                              | GGGG                |                      | 193                     | 17                     |
| 2542-07495        | 00000/0000                   | 2-2002R/1688                | 07/17/76         | 30             | 7552            | 5954N                                   | 03911E       | 47.5         | 144.8                              | GGGG                |                      | 193                     | 18                     |
| 2542-07502        | 00000/0000                   | 2-2002R/1689                | 07/17/76         | 20             | 7552            | 5832N                                   | 03813E       | 48.3         | 142.8                              | GGGG                |                      | 193                     | 19                     |
| 2542-07504        | 00000/0000                   | 2-2002R/1690                | 07/17/76         | 20             | 7552            | 5708N                                   | 03720E       | 49.1         | 140.8                              | GGGG                |                      | 193                     | 20                     |
| 2542-07511        | 00000/0000                   | 2-2002R/1660                | 07/17/76         | 20             | 7552            | 5545N                                   | 03630E       | 49.9         | 138.7                              | G                   |                      | 193                     | 21                     |
| 2542-07513        | 00000/0000                   | 2-2002R/1661                | 07/17/76         | 50             | 7552            | 5420N                                   | 03542E       | 50.7         | 136.7                              | GGGG                |                      | 193                     | 22                     |
| 2542-07520        | 00000/0000                   | 2-2002R/1662                | 07/17/76         | 70             | 7552            | 5247N                                   | 03457E       | 51.4         | 134.6                              | GGGG                |                      | 193                     | 23                     |
| 2542-07522        | 00000/0000                   | 2-2002R/1663                | 07/17/76         | 60             | 7552            | 5133N                                   | 03415E       | 52.1         | 132.5                              | GGGG                |                      | 193                     | 24                     |
| 2542-07525        | 00000/0000                   | 2-2002R/1664                | 07/17/76         | 80             | 7552            | 5018N                                   | 03334E       | 52.8         | 130.4                              | GGGG                |                      | 193                     | 25                     |
| 2542-07531        | 00000/0000                   | 2-2002R/1665                | 07/17/76         | 90             | 7552            | 4844N                                   | 03257E       | 53.4         | 128.2                              | GGGG                |                      | 193                     | 26                     |
| 2542-11094        | 00000/0000                   | 2-2002R/1740                | 07/17/76         | 80             | 7554            | 7924N                                   | 03033E       | 31.3         | 198.4                              | GGGG                |                      | 229                     | 2                      |
| 2542-11101        | 00000/0000                   | 2-2002R/1741                | 07/17/76         | 80             | 7554            | 7874N                                   | 02418E       | 32.4         | 191.8                              | GGGG                |                      | 229                     | 3                      |
| 2542-11103        | 00000/0000                   | 2-2002R/1742                | 07/17/76         | 60             | 7554            | 7747N                                   | 01855E       | 33.5         | 186.0                              | GGGG                |                      | 229                     | 4                      |
| 2542-11110        | 00000/0000                   | 2-2002R/1743                | 07/17/76         | 90             | 7554            | 7636N                                   | 01419E       | 34.6         | 181.0                              | GGGG                |                      | 229                     | 5                      |
| 2542-11112        | 00000/0000                   | 2-2002R/1744                | 07/17/76         | 40             | 7554            | 7529N                                   | 01021E       | 35.7         | 176.6                              | GGGG                |                      | 229                     | 6                      |
| 2542-12521        | 00000/0000                   | 2-2002R/1745                | 07/17/76         | 70             | 7555            | 8038N                                   | 02005E       | 29.0         | 214.3                              | GGGG                |                      | 229                     | 248                    |
| 2542-12524        | 00000/0000                   | 2-2002R/1746                | 07/17/76         | 70             | 7555            | 8007N                                   | 01159E       | 30.1         | 205.9                              | GGGG                |                      | 247                     | 1                      |
| 2542-12530        | 00000/0000                   | 2-2002R/1747                | 07/17/76         | 90             | 7555            | 7924N                                   | 00445E       | 31.3         | 198.4                              | GGGG                |                      | 247                     | 2                      |
| 2542-12533        | 00000/0000                   | 2-2002R/1748                | 07/17/76         | 100            | 7555            | 7874N                                   | 00128W       | 32.4         | 191.7                              | GGGG                |                      | 247                     | 3                      |
| 2542-12535        | 00000/0000                   | 2-2002R/1749                | 07/17/76         | 100            | 7555            | 7747N                                   | 00648W       | 33.5         | 186.0                              | GGGG                |                      | 247                     | 4                      |
| 2542-14353        | 00000/0000                   | 2-2002R/1750                | 07/17/76         | 90             | 7556            | 8040N                                   | 00547W       | 29.0         | 214.3                              | GGGG                |                      | 247                     | 248                    |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... BLANK=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... BLANK=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | WIRSEFILM<br>POSITION IN<br>RBV | ROLL NO./<br>IN RSLT<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SUNBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|---------------------------------|-----------------------------|------------------|----------------|------------------|------------------------------|-------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|--------------------------|------------------------|
| 2542-14355        | 00000/0000                      | 2-2002A/1751                | 07/17/76         | 90             | 7556             | 80N8N                        | 01357W                        | 30.1         | 205.9        | GGGG                  |                     |                      | 14                       | 1                      |
| 2542-14362        | 00000/0000                      | 2-2002A/1752                | 07/17/76         | 90             | 7556             | 7925N                        | 02111W                        | 31.2         | 198.3        | GGGG                  |                     |                      | 14                       | 2                      |
| 2542-14462        | 00000/0000                      | 2-2002A/1729                | 07/17/76         | 80             | 7556             | 4843N                        | 07018W                        | 53.4         | 128.2        | GGGG                  |                     |                      | 14                       | 26                     |
| 2542-14523        | 00000/0000                      | 2-2002A/1730                | 07/17/76         | 30             | 7556             | 2722N                        | 07728W                        | 56.9         | 92.9         | GGGG                  |                     |                      | 14                       | 41                     |
| 2542-14530        | 00000/0000                      | 2-2002A/1731                | 07/17/76         | 40             | 7556             | 2556N                        | 07751W                        | 56.6         | 90.6         | GGGG                  |                     |                      | 14                       | 42                     |
| 2542-14532        | 00000/0000                      | 2-2002A/1732                | 07/17/76         | 40             | 7556             | 2430N                        | 07814W                        | 56.4         | 88.3         | GGGG                  |                     |                      | 14                       | 43                     |
| 2542-18020        | 2-20030/1870                    | 00000/0000                  | 07/17/76         | 10             | 7558             | 8037N                        | 05805W                        | 29.1         | 213.6        | GGG                   |                     |                      | 33                       | 248                    |
| 2542-18023        | 2-20030/1871                    | 00000/0000                  | 07/17/76         | 10             | 7558             | 8004N                        | 06607W                        | 30.2         | 205.2        | GGG                   |                     |                      | 51                       | 1                      |
| 2542-18025        | 2-20030/1872                    | 00000/0000                  | 07/17/76         | 10             | 7558             | 7922N                        | 07316W                        | 31.3         | 197.8        | GGG                   |                     |                      | 51                       | 2                      |
| 2542-18032        | 2-20030/1873                    | 00000/0000                  | 07/17/76         | 10             | 7558             | 7830N                        | 07928W                        | 32.4         | 191.2        | GGG                   |                     |                      | 51                       | 3                      |
| 2542-18034        | 2-20030/1874                    | 00000/0000                  | 07/17/76         | 30             | 7558             | 7733N                        | 08445W                        | 33.5         | 185.5        | GGG                   |                     |                      | 51                       | 4                      |
| 2542-18095        | 00000/0000                      | 2-2002A/1733                | 07/17/76         | 10             | 7558             | 5830N                        | 11638W                        | 48.3         | 142.8        | GGG                   |                     |                      | 50                       | 19                     |
| 2542-18102        | 00000/0000                      | 2-2002A/1734                | 07/17/76         | 30             | 7558             | 5707N                        | 11733W                        | 49.1         | 140.7        | GGGF                  |                     |                      | 50                       | 20                     |
| 2542-18104        | 00000/0000                      | 2-2002A/1735                | 07/17/76         | 20             | 7558             | 5543N                        | 11824W                        | 49.9         | 138.7        | GGGG                  |                     |                      | 50                       | 21                     |
| 2542-18111        | 00000/0000                      | 2-2002A/1736                | 07/17/76         | 30             | 7558             | 5420N                        | 11911W                        | 50.7         | 136.7        | GGGG                  |                     |                      | 50                       | 22                     |
| 2542-18113        | 00000/0000                      | 2-2002A/1737                | 07/17/76         | 50             | 7558             | 5256N                        | 11955W                        | 51.4         | 135.6        | GGGG                  |                     |                      | 50                       | 23                     |
| 2542-18120        | 00000/0000                      | 2-2002A/1738                | 07/17/76         | 30             | 7558             | 5132N                        | 12037W                        | 52.1         | 132.5        | GGGG                  |                     |                      | 50                       | 24                     |
| 2542-19452        | 2-20030/1875                    | 00000/0000                  | 07/17/76         | 40             | 7559             | 8038N                        | 08355W                        | 29.1         | 213.5        | GGG                   |                     |                      | 51                       | 248                    |
| 2542-19454        | 2-20030/1876                    | 00000/0000                  | 07/17/76         | 60             | 7559             | 8004N                        | 09201W                        | 30.2         | 205.2        | GGG                   |                     |                      | 69                       | 1                      |
| 2542-21283        | 00000/0000                      | 2-2002A/1739                | 07/17/76         | 90             | 7560             | 8041N                        | 10847W                        | 28.9         | 214.5        | GGGG                  |                     |                      | 68                       | 248                    |
| 2542-23465        | 00000/0000                      | 2-2002A/1666                | 07/17/76         | 90             | 7561             | 3429S                        | 13803E                        | 18.9         | 45.9         | GGGG                  |                     |                      | 104                      | 84                     |
| 2543-01053        | 00000/0000                      | 2-2002A/1667                | 07/18/76         | 10             | 7562             | 5010N                        | 13528E                        | 52.7         | 130.5        | GGGG                  |                     |                      | 122                      | 25                     |
| 2543-01055        | 00000/0000                      | 2-2002A/1668                | 07/18/76         | 10             | 7562             | 4845N                        | 13449E                        | 53.3         | 128.3        | GGGG                  |                     |                      | 122                      | 26                     |
| 2543-01062        | 00000/0000                      | 2-2002A/1669                | 07/18/76         | 20             | 7562             | 4720N                        | 13412E                        | 53.9         | 126.1        | GGGG                  |                     |                      | 122                      | 27                     |
| 2543-01064        | 00000/0000                      | 2-2002A/1670                | 07/18/76         | 50             | 7562             | 4555N                        | 13337E                        | 54.4         | 123.9        | GGGG                  |                     |                      | 122                      | 28                     |
| 2543-01071        | 00000/0000                      | 2-2002A/1671                | 07/18/76         | 50             | 7562             | 4430N                        | 13304E                        | 54.9         | 121.7        | GGGG                  |                     |                      | 122                      | 29                     |
| 2543-01073        | 00000/0000                      | 2-2002A/1672                | 07/18/76         | 90             | 7562             | 4305N                        | 13232E                        | 55.4         | 119.4        | GGGG                  |                     |                      | 122                      | 30                     |
| 2543-01153        | 00000/0000                      | 2-2002A/1673                | 07/18/76         | 20             | 7562             | 1553N                        | 12440E                        | 53.7         | 75.9         | GGGG                  |                     |                      | 122                      | 49                     |
| 2543-01155        | 00000/0000                      | 2-2002A/1674                | 07/18/76         | 30             | 7562             | 1427N                        | 12419E                        | 53.1         | 74.1         | GGGG                  |                     |                      | 122                      | 50                     |
| 2543-01162        | 00000/0000                      | 2-2002A/1675                | 07/18/76         | 50             | 7562             | 1300N                        | 12359E                        | 52.5         | 72.3         | GGGG                  |                     |                      | 122                      | 51                     |
| 2543-01164        | 00000/0000                      | 2-2002A/1676                | 07/18/76         | 80             | 7562             | 1133N                        | 12338E                        | 51.8         | 70.6         | GGGF                  |                     |                      | 122                      | 52                     |
| 2543-01171        | 00000/0000                      | 2-2002A/1677                | 07/18/76         | 90             | 7562             | 1006N                        | 12318E                        | 51.1         | 69.0         | GGGG                  |                     |                      | 122                      | 53                     |
| 2543-01173        | 00000/0000                      | 2-2002A/1678                | 07/18/76         | 90             | 7562             | 0840N                        | 12258E                        | 50.3         | 67.4         | GGGG                  |                     |                      | 122                      | 54                     |
| 2543-01180        | 00000/0000                      | 2-2002A/1679                | 07/18/76         | 80             | 7562             | 0714N                        | 12237E                        | 49.5         | 65.9         | GGGG                  |                     |                      | 122                      | 55                     |
| 2543-02470        | 00000/0000                      | 2-2002A/1691                | 07/18/76         | 20             | 7563             | 5544N                        | 11231E                        | 49.8         | 138.8        | GGGG                  |                     |                      | 140                      | 21                     |
| 2543-02473        | 00000/0000                      | 2-2002A/1692                | 07/18/76         | 30             | 7563             | 5421N                        | 11144E                        | 50.6         | 136.7        | GGGG                  |                     |                      | 140                      | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI NO./<br>POSITION IN RELI<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2543-02475        | 00000/0000 2-2002A/1693                            | 07/18/76         | 20             | 7563            | 5257N 11059E                            | 51.3         | 134.7        |                                    |                     |                      |                         |                        |
| 2543-02482        | 00000/0000 2-2002A/1694                            | 07/18/76         | 50             | 7563            | 5132N 11016E                            | 52.0         | 132.6        | GGGG                               |                     |                      | 140                     | 23                     |
| 2543-02484        | 00000/0000 2-2002A/1695                            | 07/18/76         | 80             | 7563            | 5008N 10936E                            | 52.7         | 130.5        | GGGG                               |                     |                      | 140                     | 24                     |
| 2543-04293        | 00000/0000 2-2002A/1768                            | 07/18/76         | 30             | 7564            | 5870N 08825E                            | 48.2         | 142.8        | GGFF                               |                     |                      | 140                     | 25                     |
| 2543-04295        | 00000/0000 2-2002A/1769                            | 07/18/76         | 80             | 7564            | 5707N 08731E                            | 49.0         | 140.8        | GGGG                               |                     |                      | 158                     | 19                     |
| 2543-04302        | 00000/0000 2-2002A/1770                            | 07/18/76         | 90             | 7564            | 5544N 08641E                            | 49.8         | 138.8        | GGGG                               |                     |                      | 158                     | 20                     |
| 2543-04304        | 00000/0000 2-2002A/1771                            | 07/18/76         | 90             | 7564            | 5420N 08554E                            | 50.6         | 136.7        | FGGG                               |                     |                      | 158                     | 21                     |
| 2543-04311        | 00000/0000 2-2002A/1772                            | 07/18/76         | 80             | 7564            | 5256N 08510E                            | 51.3         | 134.6        | FGGG                               |                     |                      | 158                     | 22                     |
| 2543-04313        | 00000/0000 2-2002A/1772                            | 07/18/76         | 80             | 7564            | 5172N 08428E                            | 52.0         | 132.6        | GGGG                               |                     |                      | 158                     | 23                     |
| 2543-04320        | 00000/0000 2-2002A/1896                            | 07/18/76         | 80             | 7564            | 5048N 08348E                            | 52.7         | 130.5        | PPP                                |                     |                      | 158                     | 24                     |
| 2543-04322        | 00000/0000 2-2002A/1844                            | 07/18/76         | 70             | 7564            | 4844N 08310E                            | 53.3         | 128.3        | GGGG                               |                     |                      | 158                     | 25                     |
| 2543-04325        | 00000/0000 2-2002A/1845                            | 07/18/76         | 30             | 7564            | 4720N 08233E                            | 53.9         | 126.1        | G                                  |                     |                      | 158                     | 26                     |
| 2543-04331        | 00000/0000 2-2002A/1846                            | 07/18/76         | 50             | 7564            | 4555N 08159E                            | 54.4         | 123.9        | GGGG                               |                     |                      | 158                     | 27                     |
| 2543-04334        | 00000/0000 2-2002A/1847                            | 07/18/76         | 40             | 7564            | 4431N 08125E                            | 54.9         | 121.7        | GGGG                               |                     |                      | 158                     | 28                     |
| 2543-04340        | 00000/0000 2-2002A/1848                            | 07/18/76         | 10             | 7564            | 4306N 08053E                            | 55.4         | 119.4        | GGGG                               |                     |                      | 158                     | 29                     |
| 2543-04354        | 00000/0000 2-2002A/1849                            | 07/18/76         | 80             | 7564            | 3723N 07856E                            | 56.7         | 110.0        | GGGG                               |                     |                      | 158                     | 30                     |
| 2543-04361        | 00000/0000 2-2002A/1850                            | 07/18/76         | 40             | 7564            | 3548N 07829E                            | 56.9         | 107.5        | GGGG                               |                     |                      | 158                     | 34                     |
| 2543-04363        | 00000/0000 2-2002A/1851                            | 07/18/76         | 30             | 7564            | 3433N 07803E                            | 57.0         | 105.1        | FFFF                               |                     |                      | 158                     | 35                     |
| 2543-04370        | 00000/0000 2-2002A/1852                            | 07/18/76         | 40             | 7564            | 3308N 07736E                            | 57.1         | 102.7        | FFFF                               |                     |                      | 158                     | 36                     |
| 2543-06122        | 00000/0000 2-2002A/1853                            | 07/18/76         | 90             | 7565            | 5954N 06334E                            | 47.3         | 144.8        | GGGG                               |                     |                      | 158                     | 37                     |
| 2543-06124        | 00000/0000 2-2002A/1854                            | 07/18/76         | 90             | 7565            | 5832N 06236E                            | 48.2         | 142.8        | GGGF                               |                     |                      | 176                     | 18                     |
| 2543-06131        | 00000/0000 2-2002A/1855                            | 07/18/76         | 90             | 7565            | 5709N 06142E                            | 49.0         | 140.8        | GGGG                               |                     |                      | 176                     | 19                     |
| 2543-06133        | 00000/0000 2-2002A/1856                            | 07/18/76         | 90             | 7565            | 5545N 06051E                            | 49.8         | 138.8        | GGFG                               |                     |                      | 176                     | 20                     |
| 2543-06140        | 00000/0000 2-2002A/1857                            | 07/18/76         | 90             | 7565            | 5421N 06004E                            | 50.6         | 136.7        | GGFG                               |                     |                      | 176                     | 21                     |
| 2543-06142        | 00000/0000 2-2002A/1858                            | 07/18/76         | 90             | 7565            | 5257N 05919E                            | 51.3         | 134.7        | GGGG                               |                     |                      | 176                     | 22                     |
| 2543-06145        | 00000/0000 2-2002A/1859                            | 07/18/76         | 80             | 7565            | 5133N 05837E                            | 52.0         | 132.6        | GGGG                               |                     |                      | 176                     | 23                     |
| 2543-06153        | 00000/0000 2-2002A/1860                            | 07/18/76         | 80             | 7565            | 5008N 05757E                            | 52.7         | 130.5        | GGGG                               |                     |                      | 176                     | 24                     |
| 2543-06154        | 00000/0000 2-2002A/1861                            | 07/18/76         | 40             | 7565            | 4844N 05719E                            | 53.3         | 128.3        | GGGG                               |                     |                      | 176                     | 25                     |
| 2543-06160        | 00000/0000 2-2002A/1862                            | 07/18/76         | 10             | 7565            | 4720N 05643E                            | 53.9         | 126.1        | GGGG                               |                     |                      | 176                     | 26                     |
| 2543-07551        | 00000/0000 2-2002A/1792                            | 07/18/76         | 10             | 7566            | 6115N 03846E                            | 46.4         | 146.9        | GGGG                               |                     |                      | 176                     | 27                     |
| 2543-07554        | 00000/0000 2-2002A/1793                            | 07/18/76         | 30             | 7566            | 5953N 03745E                            | 47.3         | 144.8        | GGGG                               |                     |                      | 194                     | 17                     |
| 2543-07560        | 00000/0000 2-2002A/1794                            | 07/18/76         | 90             | 7566            | 5830N 03648E                            | 48.2         | 142.8        | GGGG                               |                     |                      | 194                     | 18                     |
| 2543-07563        | 00000/0000 2-2002A/1334                            | 07/18/76         | 20             | 7566            | 5707N 03554E                            | 49.0         | 140.8        | FGGG                               |                     |                      | 194                     | 19                     |
| 2543-07565        | 00000/0000 2-2002A/1335                            | 07/18/76         | 60             | 7566            | 5543N 03503E                            | 49.8         | 138.8        | GGGG                               |                     |                      | 194                     | 20                     |
| 2543-07572        | 00000/0000 2-2002A/1336                            | 07/18/76         | 50             | 7566            | 5420N 03415E                            | 50.6         | 136.7        | GGGG                               |                     |                      | 194                     | 21                     |
| 2543-07574        | 00000/0000 2-2002A/1337                            | 07/18/76         | 40             | 7566            | 5256N 03330E                            | 51.3         | 134.7        | GGGG                               |                     |                      | 194                     | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 & % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=18X GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANHSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2543-07581        | 00000/0000                                     | 2-2002A/1338     | 07/18/76       | 30              | 7566                               | 5132N                               | 03247E       | 52.0         | 132.6             | GGGG                |                      | 194                     | 24                     |
| 2543-07583        | 00000/0000                                     | 2-2002A/1339     | 07/18/76       | 50              | 7566                               | 5008N                               | 03207E       | 52.7         | 130.5             | GGGG                |                      | 194                     | 25                     |
| 2543-07590        | 00000/0000                                     | 2-2002A/1340     | 07/18/76       | 70              | 7566                               | 4843N                               | 03128E       | 53.3         | 128.3             | GGGG                |                      | 194                     | 26                     |
| 2543-07592        | 00000/0000                                     | 2-2002A/1341     | 07/18/76       | 70              | 7566                               | 4718N                               | 03052E       | 53.9         | 126.1             | GGGG                |                      | 194                     | 27                     |
| 2543-07595        | 00000/0000                                     | 2-2002A/1342     | 07/18/76       | 30              | 7566                               | 4553N                               | 03018E       | 54.4         | 123.9             | GGGG                |                      | 194                     | 28                     |
| 2543-08001        | 00000/0000                                     | 2-2002A/1343     | 07/18/76       | 50              | 7566                               | 4429N                               | 02945E       | 54.9         | 121.7             | GGGG                |                      | 194                     | 29                     |
| 2543-08004        | 00000/0000                                     | 2-2002A/1344     | 07/18/76       | 50              | 7566                               | 4303N                               | 02913E       | 55.3         | 119.4             | GGGG                |                      | 194                     | 30                     |
| 2543-11153        | 00000/0000                                     | 2-2002A/1345     | 07/18/76       | 10              | 7568                               | 7926N                               | 02917E       | 31.1         | 198.5             | GGGG                |                      | 230                     | 2                      |
| 2543-11155        | 00000/0000                                     | 2-2002A/1346     | 07/18/76       | 10              | 7568                               | 7816N                               | 02958E       | 32.2         | 191.9             | GGGG                |                      | 230                     | 3                      |
| 2543-11162        | 00000/0000                                     | 2-2002A/1347     | 07/18/76       | 30              | 7568                               | 7739N                               | 01733E       | 33.3         | 186.1             | GGGG                |                      | 230                     | 4                      |
| 2543-11164        | 00000/0000                                     | 2-2002A/1348     | 07/18/76       | 60              | 7568                               | 7637N                               | 01255E       | 34.4         | 181.0             | GGGG                |                      | 230                     | 5                      |
| 2543-11171        | 00000/0000                                     | 2-2002A/1349     | 07/18/76       | 90              | 7568                               | 7530N                               | 00857E       | 35.5         | 176.6             | PPPG                |                      | 230                     | 6                      |
| 2543-14513        | 00000/0000                                     | 2-2002A/1832     | 07/18/76       | 90              | 7570                               | 5009N                               | 07106W       | 52.6         | 130.5             | FFFF                |                      | 15                      | 25                     |
| 2543-14520        | 00000/0000                                     | 2-2002A/1833     | 07/18/76       | 90              | 7570                               | 4845N                               | 07144W       | 53.2         | 128.4             | FFPF                |                      | 15                      | 26                     |
| 2543-16333        | 00000/0000                                     | 2-2002A/1834     | 07/18/76       | 30              | 7571                               | 5422N                               | 09448W       | 50.5         | 136.8             | FFFF                |                      | 33                      | 22                     |
| 2543-16340        | 00000/0000                                     | 2-2002A/1835     | 07/18/76       | 10              | 7571                               | 5258N                               | 09533W       | 51.2         | 134.7             | FGFP                |                      | 33                      | 23                     |
| 2543-16342        | 00000/0000                                     | 2-2002A/1836     | 07/18/76       | 30              | 7571                               | 5134N                               | 09615W       | 51.9         | 132.7             | FFFF                |                      | 33                      | 24                     |
| 2543-18072        | 2-20030/1877                                   | 00000/0000       | 07/18/76       | 10              | 7572                               | 8100N                               | 05010W       | 27.7         | 223.2             | GG                  |                      | 40                      | 246                    |
| 2543-18074        | 2-20030/1878                                   | 00000/0000       | 07/18/76       | 10              | 7572                               | 8039N                               | 05903W       | 28.8         | 214.1             | GGG                 |                      | 33                      | 248                    |
| 2543-18081        | 2-20030/1879                                   | 00000/0000       | 07/18/76       | 10              | 7572                               | 8007N                               | 06710W       | 29.9         | 205.7             | GGG                 |                      | 51                      | 1                      |
| 2543-18083        | 2-20030/1880                                   | 00000/0000       | 07/18/76       | 10              | 7572                               | 7925N                               | 07421W       | 31.1         | 198.2             | GGG                 |                      | 51                      | 2                      |
| 2543-18090        | 2-20030/1881                                   | 00000/0000       | 07/18/76       | 0               | 7572                               | 7834N                               | 08035W       | 32.2         | 191.6             | GGG                 |                      | 51                      | 3                      |
| 2543-18092        | 2-20030/1882                                   | 00000/0000       | 07/18/76       | 0               | 7572                               | 7736N                               | 08557W       | 33.3         | 185.8             | GGG                 |                      | 51                      | 4                      |
| 2543-18154        | 00000/0000                                     | 2-2002A/1837     | 07/18/76       | 20              | 7572                               | 5832N                               | 11805W       | 48.1         | 142.9             | GGG                 |                      | 51                      | 19                     |
| 2543-18160        | 00000/0000                                     | 2-2002A/1838     | 07/18/76       | 10              | 7572                               | 5709N                               | 11858W       | 48.9         | 140.8             | GGGG                |                      | 51                      | 20                     |
| 2543-18163        | 00000/0000                                     | 2-2002A/1839     | 07/18/76       | 10              | 7572                               | 5546N                               | 11948W       | 49.7         | 138.8             | GGGG                |                      | 51                      | 21                     |
| 2543-18165        | 00000/0000                                     | 2-2002A/1840     | 07/18/76       | 10              | 7572                               | 5423N                               | 12035W       | 50.5         | 136.8             | FGGG                |                      | 51                      | 22                     |
| 2543-18172        | 00000/0000                                     | 2-2002A/1841     | 07/18/76       | 20              | 7572                               | 5259N                               | 12121W       | 51.2         | 134.7             | GGGG                |                      | 51                      | 23                     |
| 2543-18174        | 00000/0000                                     | 2-2002A/1842     | 07/18/76       | 30              | 7572                               | 5135N                               | 12204W       | 51.9         | 132.7             | FGGG                |                      | 51                      | 24                     |
| 2543-18204        | 00000/0000                                     | 2-2002A/1843     | 07/18/76       | 80              | 7572                               | 4140N                               | 12409W       | 55.7         | 117.2             | GGGG                |                      | 51                      | 31                     |
| 2543-19521        | 00000/0000                                     | 2-2002A/1863     | 07/18/76       | 90              | 7573                               | 7834N                               | 10604W       | 32.1         | 191.8             | FGGG                |                      | 69                      | 3                      |
| 2543-19524        | 00000/0000                                     | 2-2002A/1864     | 07/18/76       | 50              | 7573                               | 7737N                               | 11127W       | 33.2         | 186.0             | GGGG                |                      | 69                      | 4                      |
| 2543-19530        | 00000/0000                                     | 2-2002A/1865     | 07/18/76       | 30              | 7573                               | 7635N                               | 11604W       | 34.3         | 181.0             | FGGG                |                      | 69                      | 5                      |
| 2543-19533        | 00000/0000                                     | 2-2002A/1866     | 07/18/76       | 20              | 7573                               | 7529N                               | 12004W       | 35.4         | 176.5             | FGGG                |                      | 69                      | 6                      |
| 2543-19535        | 00000/0000                                     | 2-2002A/1867     | 07/18/76       | 10              | 7573                               | 7419N                               | 12328W       | 36.5         | 172.6             | GGGG                |                      | 69                      | 7                      |
| 2543-19542        | 00000/0000                                     | 2-2002A/1868     | 07/18/76       | 0               | 7573                               | 7307N                               | 12425W       | 37.5         | 169.1             | FGGG                |                      | 69                      | 8                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | LONG  | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RAW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-------------|-----------------|------------------------------------|-------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2543-19544        | 00000/0000                                     | 2-2002R/1869     | 07/18/76    | 10              | 7573                               | 7153N | 12900W       | 38.6         | 166.0                              | FGGG                |                      | 69                      | 9                      |
| 2543-19551        | 00000/0000                                     | 2-2002R/1870     | 07/18/76    | 0               | 7573                               | 7037N | 13117W       | 39.6         | 163.1                              | FGGG                |                      | 69                      | 10                     |
| 2543-19553        | 00000/0000                                     | 2-2002R/1871     | 07/18/76    | 10              | 7573                               | 6919N | 13318W       | 40.6         | 160.4                              | FGGG                |                      | 69                      | 11                     |
| 2543-19560        | 00000/0000                                     | 2-2002R/1872     | 07/18/76    | 30              | 7573                               | 6801N | 13505W       | 41.6         | 157.9                              | FGGG                |                      | 69                      | 12                     |
| 2543-23520        | 00000/0000                                     | 2-2002R/1795     | 07/18/76    | 0               | 7575                               | 3307S | 13704E       | 20.1         | 46.2                               | GGGG                |                      | 105                     | 83                     |
| 2544-01113        | 00000/0000                                     | 2-2002R/1796     | 07/19/76    | 10              | 7576                               | 4844N | 13324E       | 53.2         | 128.4                              | GGGG                |                      | 123                     | 26                     |
| 2544-01120        | 00000/0000                                     | 2-2002R/1797     | 07/19/76    | 0               | 7576                               | 4719N | 13247E       | 53.7         | 126.2                              | GGGG                |                      | 123                     | 27                     |
| 2544-01122        | 00000/0000                                     | 2-2002R/1798     | 07/19/76    | 10              | 7576                               | 4554N | 13212E       | 54.3         | 124.0                              | GGGG                |                      | 123                     | 28                     |
| 2544-01125        | 00000/0000                                     | 2-2002R/1799     | 07/19/76    | 10              | 7576                               | 4428N | 13137E       | 54.8         | 121.8                              | GGGG                |                      | 123                     | 29                     |
| 2544-01131        | 00000/0000                                     | 2-2002R/1800     | 07/19/76    | 10              | 7576                               | 4303N | 13105E       | 55.2         | 119.5                              | GGGG                |                      | 123                     | 30                     |
| 2544-01211        | 00000/0000                                     | 2-2002R/1801     | 07/19/76    | 10              | 7576                               | 1551N | 12313E       | 53.7         | 76.2                               | GGGG                |                      | 123                     | 49                     |
| 2544-01213        | 00000/0000                                     | 2-2002R/1802     | 07/19/76    | 20              | 7576                               | 1424N | 12253E       | 53.1         | 74.4                               | GGGG                |                      | 123                     | 50                     |
| 2544-01220        | 00000/0000                                     | 2-2002R/1803     | 07/19/76    | 70              | 7576                               | 1257N | 12232E       | 52.5         | 72.6                               | GGGG                |                      | 123                     | 51                     |
| 2544-01222        | 00000/0000                                     | 2-2002R/1804     | 07/19/76    | 90              | 7576                               | 1131N | 12212E       | 51.8         | 70.8                               | GGGG                |                      | 123                     | 52                     |
| 2544-01275        | 00000/0000                                     | 2-2002R/1805     | 07/19/76    | 10              | 7576                               | 0714S | 11749E       | 40.3         | 54.7                               | GGGG                |                      | 123                     | 65                     |
| 2544-01281        | 00000/0000                                     | 2-2002R/1806     | 07/19/76    | 30              | 7576                               | 0841S | 11729E       | 39.3         | 53.8                               | GGGG                |                      | 123                     | 66                     |
| 2544-02524        | 00000/0000                                     | 2-2002R/1897     | 07/19/76    | 90              | 7577                               | 5545N | 11104E       | 49.6         | 138.9                              | GGGG                |                      | 141                     | 21                     |
| 2544-02531        | 00000/0000                                     | 2-2002R/1898     | 07/19/76    | 90              | 7577                               | 5422N | 11017E       | 50.4         | 136.8                              | GGGG                |                      | 141                     | 22                     |
| 2544-02533        | 00000/0000                                     | 2-2002R/1899     | 07/19/76    | 90              | 7577                               | 5258N | 10932E       | 51.1         | 134.8                              | GGGG                |                      | 141                     | 23                     |
| 2544-02540        | 00000/0000                                     | 2-2002R/1876     | 07/19/76    | 80              | 7577                               | 5134N | 10850E       | 51.8         | 132.7                              | GGGG                |                      | 141                     | 24                     |
| 2544-02583        | 00000/0000                                     | 2-2002R/1877     | 07/19/76    | 10              | 7577                               | 3600N | 10252E       | 56.7         | 107.8                              | GGGG                |                      | 141                     | 35                     |
| 2544-02590        | 00000/0000                                     | 2-2002R/1878     | 07/19/76    | 20              | 7577                               | 3435N | 10225E       | 56.9         | 105.4                              | GGGG                |                      | 141                     | 36                     |
| 2544-02592        | 00000/0000                                     | 2-2002R/1879     | 07/19/76    | 30              | 7577                               | 3310N | 10200E       | 57.0         | 103.0                              | GGGG                |                      | 141                     | 37                     |
| 2544-04351        | 00000/0000                                     | 2-2002R/1880     | 07/19/76    | 80              | 7578                               | 5834N | 08700E       | 48.0         | 142.9                              | GGGG                |                      | 159                     | 19                     |
| 2544-04354        | 00000/0000                                     | 2-2002R/1881     | 07/19/76    | 60              | 7578                               | 5710N | 08606E       | 48.8         | 140.9                              | GGGG                |                      | 159                     | 20                     |
| 2544-04360        | 00000/0000                                     | 2-2002R/1882     | 07/19/76    | 60              | 7578                               | 5546N | 08516E       | 49.6         | 138.9                              | GGGG                |                      | 159                     | 21                     |
| 2544-04363        | 00000/0000                                     | 2-2002R/1883     | 07/19/76    | 60              | 7578                               | 5423N | 08429E       | 50.4         | 136.8                              | GGGG                |                      | 159                     | 22                     |
| 2544-04365        | 00000/0000                                     | 2-2002R/1884     | 07/19/76    | 90              | 7578                               | 5259N | 08344E       | 51.1         | 134.8                              | GGGG                |                      | 159                     | 23                     |
| 2544-04372        | 00000/0000                                     | 2-2002R/1885     | 07/19/76    | 60              | 7578                               | 5134N | 08301E       | 51.8         | 132.7                              | GGGG                |                      | 159                     | 24                     |
| 2544-04374        | 00000/0000                                     | 2-2002R/1886     | 07/19/76    | 60              | 7578                               | 5010N | 08222E       | 52.5         | 130.6                              | GGGG                |                      | 159                     | 25                     |
| 2544-04381        | 00000/0000                                     | 2-2002R/1887     | 07/19/76    | 60              | 7578                               | 4845N | 08144E       | 53.1         | 128.5                              | GGGG                |                      | 159                     | 26                     |
| 2544-04383        | 00000/0000                                     | 2-2002R/1888     | 07/19/76    | 70              | 7578                               | 4721N | 08107E       | 53.7         | 126.3                              | GGGG                |                      | 159                     | 27                     |
| 2544-04390        | 00000/0000                                     | 2-2002R/1889     | 07/19/76    | 70              | 7578                               | 4556N | 08032E       | 54.3         | 124.1                              | GGGG                |                      | 159                     | 28                     |
| 2544-04392        | 00000/0000                                     | 2-2002R/1890     | 07/19/76    | 60              | 7578                               | 4431N | 07959E       | 54.8         | 121.9                              | GGGG                |                      | 159                     | 29                     |
| 2544-04395        | 00000/0000                                     | 2-2002R/1891     | 07/19/76    | 50              | 7578                               | 4347N | 07927E       | 55.2         | 119.6                              | GGGG                |                      | 159                     | 30                     |
| 2544-04401        | 00000/0000                                     | 2-2002R/1892     | 07/19/76    | 40              | 7578                               | 4142N | 07856E       | 55.6         | 117.3                              | GGGG                |                      | 159                     | 31                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>123 | MSS<br>45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|------------|--------------|---------------------|----------------------|-------------------------|------------------------|
| 2544-04404        | 00000/0000                                     | 2-20029/1893 | 07/19/76         | 20             | 7578                   | 4017N                              | 07A26E                              | 56.0         | 115.0        | GGGG              |            |              |                     |                      | 159                     | 32                     |
| 2544-04410        | 00000/0000                                     | 2-20029/1894 | 07/19/76         | 50             | 7578                   | 3841N                              | 07757E                              | 56.3         | 112.6        | GGGG              |            |              |                     |                      | 159                     | 33                     |
| 2544-04413        | 00000/0000                                     | 2-20029/1895 | 07/19/76         | 30             | 7578                   | 3725N                              | 07729E                              | 56.5         | 110.2        | GGGG              |            |              |                     |                      | 159                     | 34                     |
| 2544-06180        | 00000/0000                                     | 2-20029/1900 | 07/19/76         | 80             | 7579                   | 5955N                              | 06208E                              | 47.1         | 144.9        | GGGG              |            |              |                     |                      | 177                     | 18                     |
| 2544-06183        | 00000/0000                                     | 2-20029/1901 | 07/19/76         | 90             | 7579                   | 5843N                              | 06111E                              | 48.0         | 142.9        | GGGG              |            |              |                     |                      | 177                     | 19                     |
| 2544-06185        | 00000/0000                                     | 2-20029/1902 | 07/19/76         | 100            | 7579                   | 5709N                              | 06017E                              | 48.8         | 140.9        | GGGG              |            |              |                     |                      | 177                     | 20                     |
| 2544-06192        | 00000/0000                                     | 2-20029/1903 | 07/19/76         | 90             | 7579                   | 5546N                              | 05927E                              | 49.6         | 138.9        | GGGG              |            |              |                     |                      | 177                     | 21                     |
| 2544-06194        | 00000/0000                                     | 2-20029/1904 | 07/19/76         | 90             | 7579                   | 5422N                              | 05839E                              | 50.4         | 136.8        | GGGG              |            |              |                     |                      | 177                     | 22                     |
| 2544-06201        | 00000/0000                                     | 2-20029/1905 | 07/19/76         | 70             | 7579                   | 5258N                              | 05755E                              | 51.1         | 134.8        | GGGG              |            |              |                     |                      | 177                     | 23                     |
| 2544-06203        | 00000/0000                                     | 2-20029/1906 | 07/19/76         | 50             | 7579                   | 5134N                              | 05713E                              | 51.8         | 132.7        | GGGG              |            |              |                     |                      | 177                     | 24                     |
| 2544-06210        | 00000/0000                                     | 2-20029/1907 | 07/19/76         | 50             | 7579                   | 5009N                              | 05632E                              | 52.5         | 130.6        | GGGG              |            |              |                     |                      | 177                     | 25                     |
| 2544-06212        | 00000/0000                                     | 2-20029/1908 | 07/19/76         | 10             | 7579                   | 4845N                              | 05554E                              | 53.1         | 128.5        | GFFG              |            |              |                     |                      | 177                     | 26                     |
| 2544-06215        | 00000/0000                                     | 2-20029/1909 | 07/19/76         | 10             | 7579                   | 4721N                              | 05517E                              | 53.7         | 126.3        | PPPP              |            |              |                     |                      | 177                     | 27                     |
| 2544-08003        | 00000/0000                                     | 2-20029/0030 | 07/19/76         | 30             | 7580                   | 6279N                              | 03829E                              | 45.3         | 149.0        | GGGG              |            |              |                     |                      | 195                     | 16                     |
| 2544-08005        | 00000/0000                                     | 2-20029/0031 | 07/19/76         | 50             | 7580                   | 6117N                              | 03721E                              | 46.2         | 147.0        | GGGG              |            |              |                     |                      | 195                     | 17                     |
| 2544-08012        | 00000/0000                                     | 2-20029/0032 | 07/19/76         | 60             | 7580                   | 5955N                              | 03619E                              | 47.1         | 144.9        | GGGG              |            |              |                     |                      | 195                     | 18                     |
| 2544-08014        | 00000/0000                                     | 2-20029/0033 | 07/19/76         | 90             | 7580                   | 5831N                              | 03521E                              | 48.0         | 142.9        | GGGG              |            |              |                     |                      | 195                     | 19                     |
| 2544-08021        | 00000/0000                                     | 2-20029/0034 | 07/19/76         | 100            | 7580                   | 5708N                              | 03426E                              | 48.8         | 140.9        | GGGG              |            |              |                     |                      | 195                     | 20                     |
| 2544-08023        | 00000/0000                                     | 2-20029/0035 | 07/19/76         | 90             | 7580                   | 5545N                              | 03336E                              | 49.6         | 138.9        | GGGG              |            |              |                     |                      | 195                     | 21                     |
| 2544-08030        | 00000/0000                                     | 2-20029/0036 | 07/19/76         | 90             | 7580                   | 5421N                              | 03249E                              | 50.4         | 136.8        | GGGG              |            |              |                     |                      | 195                     | 22                     |
| 2544-08032        | 00000/0000                                     | 2-20029/0037 | 07/19/76         | 90             | 7580                   | 5288N                              | 03204E                              | 51.1         | 134.8        | GGGG              |            |              |                     |                      | 195                     | 23                     |
| 2544-08035        | 00000/0000                                     | 2-20029/0038 | 07/19/76         | 50             | 7580                   | 5133N                              | 03122E                              | 51.8         | 132.7        | GGGG              |            |              |                     |                      | 195                     | 24                     |
| 2544-08041        | 00000/0000                                     | 2-20029/0015 | 07/19/76         | 20             | 7580                   | 5009N                              | 03042E                              | 52.5         | 130.6        | GGGG              |            |              |                     |                      | 195                     | 25                     |
| 2544-08044        | 00000/0000                                     | 2-20029/0016 | 07/19/76         | 30             | 7580                   | 4844N                              | 03004E                              | 53.1         | 128.5        | GGGG              |            |              |                     |                      | 195                     | 26                     |
| 2544-08050        | 00000/0000                                     | 2-20029/0017 | 07/19/76         | 10             | 7580                   | 4719N                              | 02928E                              | 53.7         | 126.3        | GGGG              |            |              |                     |                      | 195                     | 27                     |
| 2544-08053        | 00000/0000                                     | 2-20029/0018 | 07/19/76         | 10             | 7580                   | 4554N                              | 02853E                              | 54.2         | 124.1        | GGGG              |            |              |                     |                      | 195                     | 28                     |
| 2544-08055        | 00000/0000                                     | 2-20029/0019 | 07/19/76         | 20             | 7580                   | 4429N                              | 02819E                              | 54.7         | 121.9        | GGGG              |            |              |                     |                      | 195                     | 29                     |
| 2544-11211        | 00000/0000                                     | 2-20029/0020 | 07/19/76         | 80             | 7582                   | 7925N                              | 02741E                              | 30.9         | 198.4        | GGGG              |            |              |                     |                      | 231                     | 2                      |
| 2544-11213        | 00000/0000                                     | 2-20029/0021 | 07/19/76         | 80             | 7582                   | 7835N                              | 02124E                              | 32.0         | 191.7        | GGGG              |            |              |                     |                      | 231                     | 3                      |
| 2544-11220        | 00000/0000                                     | 2-20029/0022 | 07/19/76         | 70             | 7582                   | 7737N                              | 01601E                              | 33.1         | 186.0        | PPPP              |            |              |                     |                      | 231                     | 4                      |
| 2544-11222        | 00000/0000                                     | 2-20029/0023 | 07/19/76         | 100            | 7582                   | 7635N                              | 01125E                              | 34.2         | 180.9        | GGGG              |            |              |                     |                      | 231                     | 5                      |
| 2544-11225        | 00000/0000                                     | 2-20029/0024 | 07/19/76         | 100            | 7582                   | 7528N                              | 00728E                              | 35.3         | 176.5        | GGGG              |            |              |                     |                      | 231                     | 6                      |
| 2544-13040        | 00000/0000                                     | 2-20029/0025 | 07/19/76         | 90             | 7583                   | 8007N                              | 00903E                              | 29.8         | 205.8        | GGG               |            |              |                     |                      | 249                     | 1                      |
| 2544-13043        | 00000/0000                                     | 2-20029/0026 | 07/19/76         | 100            | 7583                   | 7925N                              | 00149E                              | 30.9         | 198.3        | GGGG              |            |              |                     |                      | 249                     | 2                      |
| 2544-13045        | 00000/0000                                     | 2-20029/0027 | 07/19/76         | 90             | 7583                   | 7835N                              | 00426W                              | 32.0         | 191.7        | GGGG              |            |              |                     |                      | 249                     | 3                      |
| 2544-13052        | 00000/0000                                     | 2-20029/0028 | 07/19/76         | 90             | 7583                   | 7738N                              | 00948W                              | 33.1         | 185.9        | GGGG              |            |              |                     |                      | 249                     | 4                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 28, '77

LANNSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN RST<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SBBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SBBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2544-14572        | 00000/0000                   | 2-20029/0080               | 07/19/76         | 90             | 7584            | 5078N                        | 07230W        | 52.4         | 130.6        |                                    |                     |                      |                         |                        |
| 2544-16394        | 00000/0000                   | 2-20029/0081               | 07/19/76         | 30             | 7585            | 5257N                        | 09459W        | 51.1         | 134.8        | GGGG                               |                     |                      | 14                      | 25                     |
| 2544-16401        | 00000/0000                   | 2-20029/0082               | 07/19/76         | 30             | 7585            | 5133N                        | 09742W        | 51.8         | 132.7        | GGGG                               |                     |                      | 34                      | 23                     |
| 2544-18130        | 2-20029/0266                 | 00000/0000                 | 07/19/76         | 0              | 7586            | 8100N                        | 05120W        | 27.5         | 223.3        | GGGG                               |                     |                      | 34                      | 24                     |
| 2544-18132        | 2-20029/0267                 | 00000/0000                 | 07/19/76         | 0              | 7586            | 8040N                        | 06012W        | 28.6         | 214.2        | GGG                                |                     |                      | 40                      | 246                    |
| 2544-18135        | 2-20029/0268                 | 00000/0000                 | 07/19/76         | 0              | 7586            | 8008N                        | 06422W        | 29.7         | 205.8        | GGG                                |                     |                      | 34                      | 248                    |
| 2544-18141        | 2-20029/0269                 | 00000/0000                 | 07/19/76         | 10             | 7586            | 7926N                        | 07535W        | 30.9         | 198.3        | GG                                 |                     |                      | 52                      | 1                      |
| 2544-18144        | 2-20029/0270                 | 00000/0000                 | 07/19/76         | 50             | 7586            | 7845N                        | 08149W        | 32.0         | 191.7        | GGF                                |                     |                      | 52                      | 2                      |
| 2544-18223        | 00000/0000                   | 2-20029/1350               | 07/19/76         | 10             | 7586            | 5421N                        | 12203W        | 50.3         | 136.8        | GGG                                |                     |                      | 52                      | 3                      |
| 2544-18230        | 00000/0000                   | 2-20029/1351               | 07/19/76         | 30             | 7586            | 5257N                        | 12248W        | 51.0         | 134.8        | GGGG                               |                     |                      | 52                      | 22                     |
| 2544-18232        | 00000/0000                   | 2-20029/1352               | 07/19/76         | 50             | 7586            | 5132N                        | 12330W        | 51.7         | 132.7        | GGGG                               |                     |                      | 52                      | 23                     |
| 2544-23575        | 00000/0000                   | 2-20029/0039               | 07/19/76         | 0              | 7589            | 3305S                        | 13537E        | 20.3         | 46.3         | GGGG                               |                     |                      | 52                      | 24                     |
| 2545-01172        | 00000/0000                   | 2-20029/1773               | 07/20/76         | 90             | 7590            | 4845N                        | 13156E        | 53.0         | 128.6        | GGGG                               |                     |                      | 106                     | 83                     |
| 2545-01174        | 00000/0000                   | 2-20029/1774               | 07/20/76         | 80             | 7590            | 4720N                        | 13120E        | 53.6         | 126.4        | GGGF                               |                     |                      | 124                     | 26                     |
| 2545-01181        | 00000/0000                   | 2-20029/1775               | 07/20/76         | 70             | 7590            | 4545N                        | 13045E        | 54.1         | 124.2        | GGFG                               |                     |                      | 124                     | 27                     |
| 2545-01183        | 00000/0000                   | 2-20029/1776               | 07/20/76         | 40             | 7590            | 4430N                        | 13111E        | 54.6         | 122.0        | GGGG                               |                     |                      | 124                     | 28                     |
| 2545-01190        | 00000/0000                   | 2-20029/1777               | 07/20/76         | 30             | 7590            | 4305N                        | 12438E        | 55.1         | 119.8        | FGGG                               |                     |                      | 124                     | 29                     |
| 2545-01192        | 00000/0000                   | 2-20029/1778               | 07/20/76         | 30             | 7590            | 4140N                        | 12407E        | 55.5         | 117.5        | GGGG                               |                     |                      | 124                     | 30                     |
| 2545-01265        | 00000/0000                   | 2-20029/1779               | 07/20/76         | 50             | 7590            | 1552N                        | 12147E        | 53.7         | 76.6         | GGGG                               |                     |                      | 124                     | 31                     |
| 2545-01272        | 00000/0000                   | 2-20029/1780               | 07/20/76         | 70             | 7590            | 1426N                        | 12126E        | 53.1         | 74.7         | GGGF                               |                     |                      | 124                     | 49                     |
| 2545-01274        | 00000/0000                   | 2-20029/1781               | 07/20/76         | 70             | 7590            | 1300N                        | 12106E        | 52.5         | 72.9         | GGGG                               |                     |                      | 124                     | 50                     |
| 2545-01281        | 00000/0000                   | 2-20029/1782               | 07/20/76         | 70             | 7590            | 1133N                        | 12045E        | 51.8         | 71.2         | GGGG                               |                     |                      | 124                     | 51                     |
| 2545-01283        | 00000/0000                   | 2-20029/1783               | 07/20/76         | 80             | 7590            | 1076N                        | 12025E        | 51.1         | 69.5         | GGGG                               |                     |                      | 124                     | 52                     |
| 2545-01290        | 00000/0000                   | 2-20029/1784               | 07/20/76         | 80             | 7590            | 0840N                        | 12005E        | 50.4         | 67.9         | GGGG                               |                     |                      | 124                     | 53                     |
| 2545-01292        | 00000/0000                   | 2-20029/1785               | 07/20/76         | 60             | 7590            | 0713N                        | 11945E        | 49.6         | 66.4         | GGGG                               |                     |                      | 124                     | 54                     |
| 2545-01333        | 00000/0000                   | 2-20029/1786               | 07/20/76         | 40             | 7590            | 0713S                        | 11625E        | 40.4         | 54.9         | GGGG                               |                     |                      | 124                     | 55                     |
| 2545-01340        | 00000/0000                   | 2-20029/1787               | 07/20/76         | 10             | 7590            | 0849S                        | 11605E        | 39.4         | 54.1         | FFFF                               |                     |                      | 124                     | 65                     |
| 2545-02585        | 00000/0000                   | 2-20029/1788               | 07/20/76         | 90             | 7591            | 5421N                        | 10450E        | 50.2         | 136.9        | GGFF                               |                     |                      | 124                     | 66                     |
| 2545-02592        | 00000/0000                   | 2-20029/1789               | 07/20/76         | 70             | 7591            | 5257N                        | 10405E        | 51.0         | 134.9        | GGGG                               |                     |                      | 142                     | 22                     |
| 2545-03001        | 00000/0000                   | 2-20029/1790               | 07/20/76         | 50             | 7591            | 5008N                        | 10443E        | 52.3         | 130.7        | GGGG                               |                     |                      | 142                     | 23                     |
| 2545-03035        | 00000/0000                   | 2-20029/1791               | 07/20/76         | 30             | 7591            | 3723N                        | 10151E        | 56.4         | 110.4        | GGFG                               |                     |                      | 142                     | 25                     |
| 2545-03042        | 00000/0000                   | 2-20029/0040               | 07/20/76         | 40             | 7591            | 3558N                        | 10124E        | 56.6         | 108.0        | GGGG                               |                     |                      | 142                     | 34                     |
| 2545-03044        | 00000/0000                   | 2-20029/0041               | 07/20/76         | 40             | 7591            | 3433N                        | 10058E        | 56.8         | 105.6        | GGGG                               |                     |                      | 142                     | 35                     |
| 2545-03051        | 00000/0000                   | 2-20029/0042               | 07/20/76         | 50             | 7591            | 3307N                        | 10033E        | 56.9         | 103.2        | GGGG                               |                     |                      | 142                     | 36                     |
| 2545-04405        | 00000/0000                   | 2-20029/0043               | 07/20/76         | 80             | 7592            | 5831N                        | 08534E        | 47.8         | 142.9        | GGG                                |                     |                      | 140                     | 37                     |
| 2545-04412        | 00000/0000                   | 2-20029/0044               | 07/20/76         | 50             | 7592            | 5708N                        | 08440E        | 48.7         | 140.9        | GGGG                               |                     |                      | 160                     | 19                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/32/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>REV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>REV | MSS<br>123 | MSS<br>45678 | MSS<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|------------|--------------|-------------|----------------------|-------------------------|------------------------|
| 2545-04414        | 00000/0000                                     | 2-20029/0045     | 07/20/76              | 80                                 | 7592                                | 5545N        | 08350E       | 49.5              | 138.9      |              | GGGG        |                      | 160                     | 21                     |
| 2545-04421        | 00000/0000                                     | 2-20029/0046     | 07/20/76              | 60                                 | 7592                                | 5470N        | 08303E       | 50.2              | 134.9      |              | GGGG        |                      | 160                     | 22                     |
| 2545-04423        | 00000/0000                                     | 2-20029/0047     | 07/20/76              | 60                                 | 7592                                | 5247N        | 08219E       | 51.0              | 134.9      |              | GGGG        |                      | 160                     | 23                     |
| 2545-04430        | 00000/0000                                     | 2-20029/0048     | 07/20/76              | 60                                 | 7592                                | 5133N        | 08136E       | 51.7              | 132.8      |              | GGG         |                      | 160                     | 24                     |
| 2545-04432        | 00000/0000                                     | 2-20029/0049     | 07/20/76              | 50                                 | 7592                                | 5008N        | 08056E       | 52.3              | 130.7      |              | GGGG        |                      | 160                     | 25                     |
| 2545-04435        | 00000/0000                                     | 2-20029/0050     | 07/20/76              | 50                                 | 7592                                | 4843N        | 08018E       | 53.0              | 128.6      |              | GGGG        |                      | 160                     | 26                     |
| 2545-04441        | 00000/0000                                     | 2-20029/0051     | 07/20/76              | 50                                 | 7592                                | 4719N        | 07942E       | 53.6              | 126.4      |              | GGGG        |                      | 160                     | 27                     |
| 2545-04444        | 00000/0000                                     | 2-20029/0052     | 07/20/76              | 70                                 | 7592                                | 4555N        | 07907E       | 54.1              | 124.2      |              | GGGG        |                      | 160                     | 28                     |
| 2545-04450        | 00000/0000                                     | 2-20029/0053     | 07/20/76              | 60                                 | 7592                                | 4430N        | 07833E       | 54.6              | 122.0      |              | GGGG        |                      | 160                     | 29                     |
| 2545-04453        | 00000/0000                                     | 2-20029/0054     | 07/20/76              | 40                                 | 7592                                | 4305N        | 07801E       | 55.1              | 119.8      |              | GGGG        |                      | 160                     | 30                     |
| 2545-04455        | 00000/0000                                     | 2-20029/0055     | 07/20/76              | 60                                 | 7592                                | 4139N        | 07730E       | 55.5              | 117.5      |              | GGGG        |                      | 160                     | 31                     |
| 2545-04462        | 00000/0000                                     | 2-20029/0056     | 07/20/76              | 30                                 | 7592                                | 4014N        | 07700E       | 55.8              | 115.1      |              | GGGG        |                      | 160                     | 32                     |
| 2545-04464        | 00000/0000                                     | 2-20029/0057     | 07/20/76              | 10                                 | 7592                                | 3849N        | 07631E       | 56.2              | 112.8      |              | GGGG        |                      | 160                     | 33                     |
| 2545-04471        | 00000/0000                                     | 2-20029/0058     | 07/20/76              | 10                                 | 7592                                | 3723N        | 07602E       | 56.4              | 110.4      |              | GGGG        |                      | 160                     | 34                     |
| 2545-04473        | 00000/0000                                     | 2-20029/0059     | 07/20/76              | 20                                 | 7592                                | 3557N        | 07535E       | 56.6              | 108.0      |              | GGGG        |                      | 160                     | 35                     |
| 2545-04480        | 00000/0000                                     | 2-20029/0060     | 07/20/76              | 30                                 | 7592                                | 3430N        | 07509E       | 56.8              | 105.6      |              | GGGG        |                      | 160                     | 36                     |
| 2545-06234        | 00000/0000                                     | 2-20029/0063     | 07/20/76              | 100                                | 7593                                | 5953N        | 06041E       | 47.0              | 144.9      |              | GFFF        |                      | 178                     | 18                     |
| 2545-06241        | 00000/0000                                     | 2-20029/0064     | 07/20/76              | 90                                 | 7593                                | 5831N        | 05944E       | 47.8              | 142.9      |              | GFGG        |                      | 178                     | 19                     |
| 2545-06243        | 00000/0000                                     | 2-20029/0065     | 07/20/76              | 100                                | 7593                                | 5708N        | 05850E       | 48.6              | 140.9      |              | GFGF        |                      | 178                     | 20                     |
| 2545-06250        | 00000/0000                                     | 2-20029/0066     | 07/20/76              | 90                                 | 7593                                | 5544N        | 05800E       | 49.4              | 138.9      |              | GFFF        |                      | 178                     | 21                     |
| 2545-06252        | 00000/0000                                     | 2-20029/0067     | 07/20/76              | 80                                 | 7593                                | 5420N        | 05712E       | 50.2              | 136.9      |              | GFFG        |                      | 178                     | 22                     |
| 2545-06255        | 00000/0000                                     | 2-20029/0068     | 07/20/76              | 70                                 | 7593                                | 5256N        | 05627E       | 51.0              | 134.9      |              | GFGG        |                      | 178                     | 23                     |
| 2545-06261        | 00000/0000                                     | 2-20029/0069     | 07/20/76              | 40                                 | 7593                                | 5132N        | 05545E       | 51.7              | 132.8      |              | GGGG        |                      | 178                     | 24                     |
| 2545-06264        | 00000/0000                                     | 2-20029/0070     | 07/20/76              | 40                                 | 7593                                | 5008N        | 05505E       | 52.3              | 130.7      |              | GGGG        |                      | 178                     | 25                     |
| 2545-06305        | 00000/0000                                     | 2-20029/0118     | 07/20/76              | 30                                 | 7593                                | 3557N        | 04946E       | 56.6              | 108.0      |              | GGGG        |                      | 178                     | 35                     |
| 2545-06311        | 00000/0000                                     | 2-20029/0119     | 07/20/76              | 0                                  | 7593                                | 3432N        | 04919E       | 56.8              | 105.6      |              | GGGG        |                      | 178                     | 36                     |
| 2545-06314        | 00000/0000                                     | 2-20029/0120     | 07/20/76              | 0                                  | 7593                                | 3306N        | 04854E       | 56.8              | 103.2      |              | GGGG        |                      | 178                     | 37                     |
| 2545-06320        | 00000/0000                                     | 2-20029/0121     | 07/20/76              | 0                                  | 7593                                | 3140N        | 04829E       | 56.9              | 100.8      |              | GGGG        |                      | 178                     | 38                     |
| 2545-06323        | 00000/0000                                     | 2-20029/0122     | 07/20/76              | 0                                  | 7593                                | 3014N        | 04804E       | 56.9              | 98.5       |              | GGGG        |                      | 178                     | 39                     |
| 2545-08055        | 00000/0000                                     | 2-20029/0123     | 07/20/76              | 30                                 | 7594                                | 6359N        | 03814E       | 44.2              | 151.1      |              | GGGG        |                      | 196                     | 15                     |
| 2545-08061        | 00000/0000                                     | 2-20029/0124     | 07/20/76              | 30                                 | 7594                                | 6239N        | 03702E       | 45.2              | 149.0      |              | GGGG        |                      | 196                     | 16                     |
| 2545-08064        | 00000/0000                                     | 2-20029/0125     | 07/20/76              | 10                                 | 7594                                | 6116N        | 03654E       | 46.1              | 147.0      |              | GGGG        |                      | 196                     | 17                     |
| 2545-08070        | 00000/0000                                     | 2-20029/0126     | 07/20/76              | 10                                 | 7594                                | 5952N        | 03651E       | 47.0              | 144.9      |              | GGGG        |                      | 196                     | 18                     |
| 2545-08073        | 00000/0000                                     | 2-20029/0136     | 07/20/76              | 20                                 | 7594                                | 5849N        | 03533E       | 47.8              | 142.9      |              | G           |                      | 196                     | 19                     |
| 2545-08075        | 00000/0000                                     | 2-20029/0137     | 07/20/76              | 50                                 | 7594                                | 5706N        | 03559E       | 48.6              | 140.9      |              | FFFF        |                      | 196                     | 20                     |
| 2545-08082        | 00000/0000                                     | 2-20029/0138     | 07/20/76              | 80                                 | 7594                                | 5543N        | 03209E       | 49.4              | 138.9      |              | FFFF        |                      | 196                     | 21                     |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
MSS DATA MODE..... (BLANK)=COMPRESSED, 1=LINEAR  
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2545-08084        | 00000/0000                   | 2-20029/0139                | 07/20/76         | 70             | 7594            | 5420N                              | 03123E                              | 50.2         | 136.9        | GGGG                               |                     |                      | 196                     | 22                     |
| 2545-08091        | 00000/0000                   | 2-20029/0140                | 07/20/76         | 80             | 7594            | 5286N                              | 03038E                              | 50.9         | 134.9        | GGGG                               |                     |                      | 196                     | 23                     |
| 2545-08093        | 00000/0000                   | 2-20029/0141                | 07/20/76         | 70             | 7594            | 5131N                              | 02956E                              | 51.6         | 132.8        | GGGG                               |                     |                      | 196                     | 24                     |
| 2545-08100        | 00000/0000                   | 2-20029/0142                | 07/20/76         | 20             | 7594            | 5007N                              | 02916E                              | 52.3         | 130.7        | GGGG                               |                     |                      | 196                     | 25                     |
| 2545-08102        | 00000/0000                   | 2-20029/0143                | 07/20/76         | 30             | 7594            | 4843N                              | 02838E                              | 52.9         | 128.6        | GGGG                               |                     |                      | 196                     | 26                     |
| 2545-08105        | 00000/0000                   | 2-20029/0144                | 07/20/76         | 40             | 7594            | 4717N                              | 02801E                              | 53.5         | 126.4        | GGGG                               |                     |                      | 196                     | 27                     |
| 2545-08111        | 00000/0000                   | 2-20029/0145                | 07/20/76         | 20             | 7594            | 4583N                              | 02726E                              | 54.1         | 124.2        | FGGG                               |                     |                      | 196                     | 28                     |
| 2545-09452        | 00000/0000                   | 2-20029/0146                | 07/20/76         | 100            | 7595            | 7530N                              | 03200E                              | 35.1         | 176.6        | GGGG                               |                     |                      | 214                     | 6                      |
| 2545-13094        | 00000/0000                   | 2-20029/0147                | 07/20/76         | 100            | 7597            | 8058N                              | 00750E                              | 29.6         | 205.9        | GGGG                               |                     |                      | 250                     | 1                      |
| 2545-13101        | 00000/0000                   | 2-20029/0148                | 07/20/76         | 90             | 7597            | 7926N                              | 00036E                              | 30.7         | 198.4        | GGGG                               |                     |                      | 250                     | 2                      |
| 2545-13103        | 00000/0000                   | 2-20029/0149                | 07/20/76         | 100            | 7597            | 7835N                              | 00540W                              | 31.8         | 191.8        | GGGG                               |                     |                      | 250                     | 3                      |
| 2545-13110        | 00000/0000                   | 2-20029/0150                | 07/20/76         | 100            | 7597            | 7738N                              | 01103W                              | 32.9         | 186.0        | GGGG                               |                     |                      | 250                     | 4                      |
| 2545-16452        | 00000/0000                   | 2-20029/1674                | 07/20/76         | 30             | 7599            | 5258N                              | 09823W                              | 50.9         | 134.9        | GGGG                               |                     |                      | 35                      | 23                     |
| 2545-16455        | 00000/0000                   | 2-20029/1875                | 07/20/76         | 10             | 7599            | 5134N                              | 09906W                              | 51.6         | 132.9        | GGGG                               |                     |                      | 35                      | 24                     |
| 2545-18191        | 2-20029/0271                 | 00000/0000                  | 07/20/76         | 20             | 7600            | 8038N                              | 06149W                              | 28.5         | 214.0        | GGG                                |                     |                      | 35                      | 248                    |
| 2545-18193        | 2-20029/0272                 | 00000/0000                  | 07/20/76         | 0              | 7600            | 8006N                              | 06956W                              | 29.6         | 205.6        | GGG                                |                     |                      | 53                      | 1                      |
| 2545-18200        | 2-20029/0273                 | 00000/0000                  | 07/20/76         | 0              | 7600            | 7924N                              | 07707W                              | 30.7         | 198.1        | GGG                                |                     |                      | 53                      | 2                      |
| 2545-18202        | 2-20029/0274                 | 00000/0000                  | 07/20/76         | 10             | 7600            | 7833N                              | 08321W                              | 31.8         | 191.5        | G G                                |                     |                      | 53                      | 3                      |
| 2545-20063        | 00000/0000                   | 2-20029/0134                | 07/20/76         | 10             | 7601            | 7047N                              | 13415W                              | 39.2         | 163.1        | GG F                               |                     |                      | 71                      | 10                     |
| 2545-20070        | 00000/0000                   | 2-20029/0135                | 07/20/76         | 10             | 7601            | 6919N                              | 13615W                              | 40.2         | 160.4        | FG F                               |                     |                      | 71                      | 11                     |
| 2546-01230        | 00000/0000                   | 2-20029/0127                | 07/21/76         | 70             | 7604            | 4847N                              | 13031E                              | 52.8         | 128.8        | GGGG                               |                     |                      | 125                     | 26                     |
| 2546-01232        | 00000/0000                   | 2-20029/0128                | 07/21/76         | 70             | 7604            | 4722N                              | 12955E                              | 53.4         | 126.6        | GGGG                               |                     |                      | 125                     | 27                     |
| 2546-01235        | 00000/0000                   | 2-20029/0129                | 07/21/76         | 90             | 7604            | 4556N                              | 12919E                              | 54.0         | 124.0        | GGGG                               |                     |                      | 125                     | 28                     |
| 2546-01241        | 00000/0000                   | 2-20029/0130                | 07/21/76         | 100            | 7604            | 4432N                              | 12845E                              | 54.5         | 122.2        | GGGG                               |                     |                      | 125                     | 29                     |
| 2546-01323        | 00000/0000                   | 2-20029/0131                | 07/21/76         | 30             | 7604            | 1554N                              | 12023E                              | 53.7         | 76.9         | GGGG                               |                     |                      | 125                     | 49                     |
| 2546-01330        | 00000/0000                   | 2-20029/0132                | 07/21/76         | 90             | 7604            | 1427N                              | 12001E                              | 53.1         | 75.0         | GGGG                               |                     |                      | 125                     | 50                     |
| 2546-01332        | 00000/0000                   | 2-20029/0133                | 07/21/76         | 90             | 7604            | 1300N                              | 11940E                              | 52.5         | 73.2         | GGGG                               |                     |                      | 125                     | 51                     |
| 2546-03034        | 00000/0000                   | 2-20029/0091                | 07/21/76         | 70             | 7605            | 5759N                              | 10902E                              | 48.5         | 141.0        | FFFG                               |                     |                      | 143                     | 20                     |
| 2546-03041        | 00000/0000                   | 2-20029/0092                | 07/21/76         | 60             | 7605            | 5544N                              | 10812E                              | 49.3         | 139.0        | FGFG                               |                     |                      | 143                     | 21                     |
| 2546-03043        | 00000/0000                   | 2-20029/0093                | 07/21/76         | 70             | 7605            | 5421N                              | 10726E                              | 50.0         | 137.0        | GGGG                               |                     |                      | 143                     | 22                     |
| 2546-03050        | 00000/0000                   | 2-20029/0094                | 07/21/76         | 70             | 7605            | 5257N                              | 10641E                              | 50.8         | 135.0        | GGGG                               |                     |                      | 143                     | 23                     |
| 2546-03052        | 00000/0000                   | 2-20029/0095                | 07/21/76         | 50             | 7605            | 5134N                              | 10559E                              | 51.5         | 132.9        | GGGG                               |                     |                      | 143                     | 24                     |
| 2546-03055        | 00000/0000                   | 2-20029/0096                | 07/21/76         | 50             | 7605            | 5010N                              | 10518E                              | 52.2         | 130.9        | GFGG                               |                     |                      | 143                     | 25                     |
| 2546-03091        | 00000/0000                   | 2-20029/0097                | 07/21/76         | 20             | 7605            | 3850N                              | 10053E                              | 56.0         | 113.1        | GGFG                               |                     |                      | 143                     | 33                     |
| 2546-03093        | 00000/0000                   | 2-20029/0098                | 07/21/76         | 30             | 7605            | 3725N                              | 10026E                              | 56.3         | 110.7        | FGGG                               |                     |                      | 143                     | 34                     |
| 2546-03100        | 00000/0000                   | 2-20029/0099                | 07/21/76         | 20             | 7605            | 3600N                              | 09958E                              | 56.5         | 108.3        | GGGG                               |                     |                      | 143                     | 35                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2546-03102        | 00000/0000                   | 2-20029/0100                | 07/21/76         | 40             | 7605            | 3434N                              | 09932E       | 56.6         | 105.9                 | GGGG                |                      | 143                     | 36                     |
| 2546-04464        | 00000/0000                   | 2-20029/1595                | 07/21/76         | 80             | 7606            | 5833N                              | 08410E       | 47.6         | 143.0                 | G                   |                      | 161                     | 19                     |
| 2546-04470        | 00000/0000                   | 2-20029/1596                | 07/21/76         | 80             | 7606            | 5710N                              | 08316E       | 48.5         | 141.0                 | GGGG                |                      | 161                     | 20                     |
| 2546-04475        | 00000/0000                   | 2-20029/0074                | 07/21/76         | 70             | 7606            | 5422N                              | 08138E       | 50.0         | 137.0                 | GGGG                |                      | 161                     | 22                     |
| 2546-04482        | 00000/0000                   | 2-20029/1597                | 07/21/76         | 80             | 7606            | 5259N                              | 08053E       | 50.8         | 135.0                 | GGG                 |                      | 161                     | 23                     |
| 2546-04484        | 00000/0000                   | 2-20029/1598                | 07/21/76         | 70             | 7606            | 5135N                              | 08011E       | 51.5         | 133.0                 | GGGG                |                      | 161                     | 24                     |
| 2546-04491        | 00000/0000                   | 2-20029/1599                | 07/21/76         | 50             | 7606            | 5010N                              | 07931E       | 52.2         | 130.9                 | PPPP                |                      | 161                     | 25                     |
| 2546-04493        | 00000/0000                   | 2-20029/1600                | 07/21/76         | 40             | 7606            | 4845N                              | 07852E       | 52.8         | 128.8                 | GGGG                |                      | 161                     | 26                     |
| 2546-04500        | 00000/0000                   | 2-20029/1696                | 07/21/76         | 10             | 7606            | 4721N                              | 07816E       | 53.4         | 126.6                 | GGG                 |                      | 161                     | 27                     |
| 2546-04502        | 00000/0000                   | 2-20029/1697                | 07/21/76         | 10             | 7606            | 4556N                              | 07741E       | 53.9         | 124.5                 | GGG                 |                      | 161                     | 28                     |
| 2546-04505        | 00000/0000                   | 2-20029/1698                | 07/21/76         | 10             | 7606            | 4431N                              | 07707E       | 54.4         | 122.2                 | GGG                 |                      | 161                     | 29                     |
| 2546-04511        | 00000/0000                   | 2-20029/1699                | 07/21/76         | 10             | 7606            | 4306N                              | 07635E       | 54.9         | 120.0                 | GGFF                |                      | 161                     | 30                     |
| 2546-04525        | 00000/0000                   | 2-20029/0101                | 07/21/76         | 20             | 7606            | 3724N                              | 07437E       | 56.3         | 110.7                 | PPFP                |                      | 161                     | 34                     |
| 2546-04532        | 00000/0000                   | 2-20029/0102                | 07/21/76         | 40             | 7606            | 3588N                              | 07410E       | 56.5         | 108.3                 | GGGG                |                      | 161                     | 35                     |
| 2546-04534        | 00000/0000                   | 2-20029/0103                | 07/21/76         | 90             | 7606            | 3432N                              | 07344E       | 56.6         | 106.0                 | GGGG                |                      | 161                     | 36                     |
| 2546-046293       | 00000/0000                   | 2-20029/0104                | 07/21/76         | 40             | 7607            | 5955N                              | 05917E       | 46.8         | 145.0                 | GGGG                |                      | 179                     | 18                     |
| 2546-06295        | 00000/0000                   | 2-20029/0105                | 07/21/76         | 60             | 7607            | 5832N                              | 05819E       | 47.6         | 143.0                 | GGGG                |                      | 179                     | 19                     |
| 2546-06302        | 00000/0000                   | 2-20029/0106                | 07/21/76         | 60             | 7607            | 5709N                              | 05725E       | 48.4         | 141.0                 | GGGG                |                      | 179                     | 20                     |
| 2546-06304        | 00000/0000                   | 2-20029/0107                | 07/21/76         | 90             | 7607            | 5545N                              | 05634E       | 49.2         | 139.0                 | GGFG                |                      | 179                     | 21                     |
| 2546-06311        | 00000/0000                   | 2-20029/0108                | 07/21/76         | 60             | 7607            | 5421N                              | 05546E       | 50.0         | 137.0                 | GGFG                |                      | 179                     | 22                     |
| 2546-06313        | 00000/0000                   | 2-20029/0109                | 07/21/76         | 40             | 7607            | 5258N                              | 05502E       | 50.8         | 135.0                 | GGGG                |                      | 179                     | 23                     |
| 2546-06320        | 00000/0000                   | 2-20029/0110                | 07/21/76         | 10             | 7607            | 5134N                              | 05419E       | 51.5         | 133.0                 | GGGG                |                      | 179                     | 24                     |
| 2546-06322        | 00000/0000                   | 2-20029/0111                | 07/21/76         | 30             | 7607            | 5009N                              | 05339E       | 52.1         | 130.9                 | GGGG                |                      | 179                     | 25                     |
| 2546-06325        | 00000/0000                   | 2-20029/0112                | 07/21/76         | 30             | 7607            | 4844N                              | 05301E       | 52.8         | 128.8                 | GGFF                |                      | 179                     | 26                     |
| 2546-06352        | 00000/0000                   | 2-20029/0113                | 07/21/76         | 80             | 7607            | 4015N                              | 04944E       | 55.7         | 115.4                 | GGG                 |                      | 179                     | 32                     |
| 2546-06354        | 00000/0000                   | 2-20029/0114                | 07/21/76         | 90             | 7607            | 3850N                              | 04916E       | 56.0         | 113.1                 | FGF                 |                      | 179                     | 33                     |
| 2546-06361        | 00000/0000                   | 2-20029/0115                | 07/21/76         | 70             | 7607            | 3724N                              | 04848E       | 56.3         | 110.7                 | GGFP                |                      | 179                     | 34                     |
| 2546-06363        | 00000/0000                   | 2-20029/0116                | 07/21/76         | 20             | 7607            | 3559N                              | 04821E       | 56.5         | 108.4                 | GGGF                |                      | 179                     | 35                     |
| 2546-06370        | 00000/0000                   | 2-20029/0117                | 07/21/76         | 10             | 7607            | 3433N                              | 04755E       | 56.6         | 106.0                 | GGGF                |                      | 179                     | 36                     |
| 2546-08113        | 00000/0000                   | 2-20029/1700                | 07/21/76         | 40             | 7608            | 6400N                              | 03449E       | 44.0         | 151.2                 | GGGG                |                      | 197                     | 15                     |
| 2546-08115        | 00000/0000                   | 2-20029/1701                | 07/21/76         | 30             | 7608            | 6239N                              | 03536E       | 45.0         | 149.1                 | GGGG                |                      | 197                     | 16                     |
| 2546-08122        | 00000/0000                   | 2-20029/1702                | 07/21/76         | 10             | 7608            | 6116N                              | 03428E       | 45.9         | 147.1                 | GGGG                |                      | 197                     | 17                     |
| 2546-08124        | 00000/0000                   | 2-20029/1703                | 07/21/76         | 10             | 7608            | 5954N                              | 03325E       | 46.7         | 145.0                 | GGGG                |                      | 197                     | 18                     |
| 2546-08131        | 00000/0000                   | 2-20029/1704                | 07/21/76         | 20             | 7608            | 5811N                              | 03228E       | 47.6         | 143.0                 | GGGG                |                      | 197                     | 19                     |
| 2546-08133        | 00000/0000                   | 2-20029/0061                | 07/21/76         | 30             | 7608            | 5709N                              | 03134E       | 48.4         | 141.0                 | GGGG                |                      | 197                     | 20                     |
| 2546-08140        | 00000/0000                   | 2-20029/0062                | 07/21/76         | 40             | 7608            | 5545N                              | 03044E       | 49.2         | 139.0                 | GGGG                |                      | 197                     | 21                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RRV | ROLL NO.<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | DBBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2546-05142        | 00000/0000                           | 2-20029/0063               | 07/21/76         | 40             | 7608            | 5421N                        | 02957E        | 50.0         | 137.0        | GGGG                               |                     |                      | 197                     | 22                     |
| 2546-05145        | 00000/0000                           | 2-20029/0064               | 07/21/76         | 50             | 7608            | 5257N                        | 02912E        | 50.8         | 135.0        | GGGG                               |                     |                      | 197                     | 23                     |
| 2546-05151        | 00000/0000                           | 2-20029/0065               | 07/21/76         | 50             | 7608            | 5133N                        | 02830E        | 51.5         | 133.0        | GGGG                               |                     |                      | 197                     | 24                     |
| 2546-08154        | 00000/0000                           | 2-20029/0066               | 07/21/76         | 50             | 7608            | 5009N                        | 02750E        | 52.1         | 130.9        | GGGG                               |                     |                      | 197                     | 25                     |
| 2546-08160        | 00000/0000                           | 2-20029/0067               | 07/21/76         | 40             | 7608            | 4844N                        | 02712E        | 52.8         | 128.8        | GGGG                               |                     |                      | 197                     | 26                     |
| 2546-08163        | 00000/0000                           | 2-20029/0068               | 07/21/76         | 20             | 7608            | 4719N                        | 02635E        | 53.4         | 126.6        | GGGG                               |                     |                      | 197                     | 27                     |
| 2546-09510        | 00000/0000                           | 2-20029/0069               | 07/21/76         | 90             | 7609            | 7529N                        | 03032E        | 34.9         | 176.5        | GGGG                               |                     |                      | 215                     | 6                      |
| 2546-09551        | 00000/0000                           | 2-20029/0070               | 07/21/76         | 60             | 7609            | 6239N                        | 02949E        | 45.0         | 149.1        | GGGG                               |                     |                      | 215                     | 16                     |
| 2546-09553        | 00000/0000                           | 2-20029/0071               | 07/21/76         | 50             | 7609            | 6117N                        | 02842E        | 45.9         | 147.0        | GGGG                               |                     |                      | 215                     | 17                     |
| 2546-09560        | 00000/0000                           | 2-20029/0072               | 07/21/76         | 60             | 7609            | 5954N                        | 02739E        | 46.7         | 145.0        | GGGG                               |                     |                      | 215                     | 18                     |
| 2546-14584        | 00000/0000                           | 2-20029/0073               | 07/21/76         | 50             | 7612            | 8006N                        | 01933W        | 29.4         | 205.7        | GGGG                               |                     |                      | 18                      | 1                      |
| 2546-15034        | 00000/0000                           | 2-20029/1873               | 07/21/76         | 80             | 7612            | 5008N                        | 07522W        | 52.1         | 130.9        | GGG                                |                     |                      | 18                      | 25                     |
| 2546-16513        | 00000/0000                           | 2-20029/0277               | 07/21/76         | 20             | 7613            | 5131N                        | 10033W        | 51.4         | 133.0        | GGG                                |                     |                      | 36                      | 24                     |
| 2546-18245        | 2-20029/0275                         | 00000/0000                 | 07/21/76         | 30             | 7614            | 8040N                        | 06313W        | 28.2         | 214.1        | GGG                                |                     |                      | 36                      | 248                    |
| 2546-18251        | 2-20029/0276                         | 00000/0000                 | 07/21/76         | 20             | 7614            | 8008N                        | 07122W        | 29.4         | 205.7        | GGG                                |                     |                      | 54                      | 1                      |
| 2546-18254        | 2-20029/0277                         | 00000/0000                 | 07/21/76         | 10             | 7614            | 7926N                        | 07838W        | 30.5         | 198.2        | GGG                                |                     |                      | 54                      | 2                      |
| 2546-20112        | 00000/0000                           | 2-20029/0274               | 07/21/76         | 30             | 7615            | 7308N                        | 13050W        | 36.9         | 169.2        | GGGG                               |                     |                      | 72                      | 8                      |
| 2546-20115        | 00000/0000                           | 2-20029/0275               | 07/21/76         | 30             | 7615            | 7154N                        | 13325W        | 38.0         | 166.0        | GGGG                               |                     |                      | 72                      | 9                      |
| 2546-20121        | 00000/0000                           | 2-20029/0276               | 07/21/76         | 10             | 7615            | 7038N                        | 13541W        | 39.0         | 163.1        | GGGG                               |                     |                      | 72                      | 10                     |
| 2547-01275        | 00000/0000                           | 2-20029/1705               | 07/22/76         | 90             | 7618            | 5173N                        | 13020E        | 51.3         | 133.0        | GGGG                               |                     |                      | 126                     | 24                     |
| 2547-01282        | 00000/0000                           | 2-20029/1706               | 07/22/76         | 90             | 7618            | 5009N                        | 12940E        | 52.0         | 131.0        | GGGG                               |                     |                      | 126                     | 25                     |
| 2547-01284        | 00000/0000                           | 2-20029/1707               | 07/22/76         | 90             | 7618            | 4845N                        | 12901E        | 52.6         | 128.9        | GGGG                               |                     |                      | 126                     | 26                     |
| 2547-01291        | 00000/0000                           | 2-20029/1708               | 07/22/76         | 90             | 7618            | 4720N                        | 12825E        | 53.2         | 126.7        | GGGG                               |                     |                      | 126                     | 27                     |
| 2547-01293        | 00000/0000                           | 2-20029/1709               | 07/22/76         | 90             | 7618            | 4556N                        | 12751E        | 53.8         | 124.6        | GGGG                               |                     |                      | 126                     | 28                     |
| 2547-01300        | 00000/0000                           | 2-20029/1710               | 07/22/76         | 90             | 7618            | 4431N                        | 12718E        | 54.3         | 122.4        | GGGG                               |                     |                      | 126                     | 29                     |
| 2547-01302        | 00000/0000                           | 2-20029/1711               | 07/22/76         | 100            | 7618            | 4306N                        | 12646E        | 54.8         | 120.1        | GGGG                               |                     |                      | 126                     | 30                     |
| 2547-01305        | 00000/0000                           | 2-20029/1712               | 07/22/76         | 100            | 7618            | 4140N                        | 12615E        | 55.2         | 117.9        | GGGG                               |                     |                      | 126                     | 31                     |
| 2547-01311        | 00000/0000                           | 2-20029/1713               | 07/22/76         | 100            | 7618            | 4015N                        | 12545E        | 55.6         | 115.6        | GGGG                               |                     |                      | 126                     | 32                     |
| 2547-03093        | 00000/0000                           | 2-20029/1601               | 07/22/76         | 20             | 7619            | 5710N                        | 10736E        | 48.3         | 141.2        | GGGG                               |                     |                      | 144                     | 20                     |
| 2547-03095        | 00000/0000                           | 2-20029/1602               | 07/22/76         | 60             | 7619            | 5547N                        | 10646E        | 49.1         | 139.2        | GGGG                               |                     |                      | 144                     | 21                     |
| 2547-03102        | 00000/0000                           | 2-20029/1603               | 07/22/76         | 90             | 7619            | 5424N                        | 10559E        | 49.8         | 137.2        | GGGG                               |                     |                      | 144                     | 22                     |
| 2547-03104        | 00000/0000                           | 2-20029/1604               | 07/22/76         | 90             | 7619            | 5300N                        | 10515E        | 50.6         | 135.1        | GGGG                               |                     |                      | 144                     | 23                     |
| 2547-04524        | 00000/0000                           | 2-20029/1605               | 07/22/76         | 60             | 7620            | 5710N                        | 08149E        | 48.3         | 141.2        | GGGG                               |                     |                      | 162                     | 20                     |
| 2547-04531        | 00000/0000                           | 2-20029/1606               | 07/22/76         | 80             | 7620            | 5547N                        | 08059E        | 49.1         | 139.2        | GGGG                               |                     |                      | 162                     | 21                     |
| 2547-04533        | 00000/0000                           | 2-20029/1607               | 07/22/76         | 80             | 7620            | 5424N                        | 08012E        | 49.8         | 137.2        | GGGG                               |                     |                      | 162                     | 22                     |
| 2547-04540        | 00000/0000                           | 2-20029/1608               | 07/22/76         | 90             | 7620            | 5300N                        | 07927E        | 50.6         | 135.2        | GGGG                               |                     |                      | 162                     | 23                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0384

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBY | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2547-04542        | 00000/0000                   | 2-20028/1609                | 07/22/76         | 90             | 7620                   | 5106N                        | 07845E        | 51.3         | 133.1        | GGGG                               |                     |                      | 162                     | 24                     |
| 2547-04545        | 00000/0000                   | 2-20028/1610                | 07/22/76         | 70             | 7620                   | 5011N                        | 07805E        | 52.0         | 131.1        | GGGG                               |                     |                      | 162                     | 25                     |
| 2547-04551        | 00000/0000                   | 2-20028/1611                | 07/22/76         | 40             | 7620                   | 4847N                        | 07726E        | 52.6         | 129.0        | GGGG                               |                     |                      | 162                     | 26                     |
| 2547-04565        | 00000/0000                   | 2-20028/1612                | 07/22/76         | 0              | 7620                   | 4307N                        | 07510E        | 54.7         | 120.2        | GGGG                               |                     |                      | 162                     | 30                     |
| 2547-06351        | 00000/0000                   | 2-20030/0087                | 07/22/76         | 10             | 7621                   | 5956N                        | 05754E        | 46.5         | 145.1        | GG                                 |                     |                      | 180                     | 18                     |
| 2547-06353        | 00000/0000                   | 2-20030/0088                | 07/22/76         | 30             | 7621                   | 5834N                        | 05657E        | 47.4         | 143.1        | GGGG                               |                     |                      | 180                     | 19                     |
| 2547-06360        | 00000/0000                   | 2-20030/0089                | 07/22/76         | 30             | 7621                   | 5710N                        | 05603E        | 48.2         | 141.2        | GGGG                               |                     |                      | 180                     | 20                     |
| 2547-06362        | 00000/0000                   | 2-20030/0090                | 07/22/76         | 30             | 7621                   | 5547N                        | 05512E        | 49.0         | 139.2        | GGGG                               |                     |                      | 180                     | 21                     |
| 2547-06365        | 00000/0000                   | 2-20030/0091                | 07/22/76         | 40             | 7621                   | 5423N                        | 05424E        | 49.8         | 137.2        | GGGG                               |                     |                      | 180                     | 22                     |
| 2547-06371        | 00000/0000                   | 2-20030/0092                | 07/22/76         | 40             | 7621                   | 5300N                        | 0539E         | 50.6         | 135.2        | GGGG                               |                     |                      | 180                     | 23                     |
| 2547-06374        | 00000/0000                   | 2-20030/0093                | 07/22/76         | 10             | 7621                   | 5135N                        | 05256E        | 51.3         | 133.1        | GGGG                               |                     |                      | 180                     | 24                     |
| 2547-06380        | 00000/0000                   | 2-20030/0094                | 07/22/76         | 30             | 7621                   | 5011N                        | 05215E        | 52.0         | 131.1        | GGGG                               |                     |                      | 180                     | 25                     |
| 2547-06383        | 00000/0000                   | 2-20030/0095                | 07/22/76         | 20             | 7621                   | 4846N                        | 05137E        | 52.6         | 129.0        | GGGG                               |                     |                      | 180                     | 26                     |
| 2547-06403        | 00000/0000                   | 2-20030/0096                | 07/22/76         | 10             | 7621                   | 4141N                        | 04850E        | 55.2         | 118.0        | GGGG                               |                     |                      | 180                     | 31                     |
| 2547-06410        | 00000/0000                   | 2-20030/0097                | 07/22/76         | 10             | 7621                   | 4016N                        | 04820E        | 55.5         | 115.7        | GGGG                               |                     |                      | 180                     | 32                     |
| 2547-06412        | 00000/0000                   | 2-20030/0098                | 07/22/76         | 10             | 7621                   | 3851N                        | 04751E        | 55.9         | 113.4        | GGGG                               |                     |                      | 180                     | 33                     |
| 2547-08134        | 00000/0000                   | 2-20028/1714                | 07/22/76         | 10             | 7622                   | 5546N                        | 02921E        | 49.0         | 139.2        | GGGG                               |                     |                      | 198                     | 21                     |
| 2547-08200        | 00000/0000                   | 2-20028/1715                | 07/22/76         | 20             | 7622                   | 5423N                        | 02834E        | 49.8         | 137.2        | GGGG                               |                     |                      | 198                     | 22                     |
| 2547-08203        | 00000/0000                   | 2-20028/1716                | 07/22/76         | 10             | 7622                   | 5259N                        | 02749E        | 50.6         | 135.2        | GGGG                               |                     |                      | 198                     | 23                     |
| 2547-08205        | 00000/0000                   | 2-20028/1717                | 07/22/76         | 20             | 7622                   | 5135N                        | 02707E        | 51.3         | 133.1        | GGGG                               |                     |                      | 198                     | 24                     |
| 2547-08212        | 00000/0000                   | 2-20028/1718                | 07/22/76         | 30             | 7622                   | 5010N                        | 02627E        | 51.9         | 131.1        | GGGG                               |                     |                      | 198                     | 25                     |
| 2547-08214        | 00000/0000                   | 2-20028/1719                | 07/22/76         | 10             | 7622                   | 4846N                        | 02549E        | 52.6         | 129.0        | GGGG                               |                     |                      | 198                     | 26                     |
| 2547-08221        | 00000/0000                   | 2-20028/1720                | 07/22/76         | 20             | 7622                   | 4721N                        | 02512E        | 53.2         | 126.8        | GGGG                               |                     |                      | 198                     | 27                     |
| 2547-08223        | 00000/0000                   | 2-20028/1721                | 07/22/76         | 40             | 7622                   | 4556N                        | 02437E        | 53.7         | 124.7        | GGGG                               |                     |                      | 198                     | 28                     |
| 2547-09562        | 00000/0000                   | 2-20028/1722                | 07/22/76         | 100            | 7623                   | 7636N                        | 03309E        | 33.6         | 181.0        | GGGG                               |                     |                      | 216                     | 5                      |
| 2547-09564        | 00000/0000                   | 2-20030/0099                | 07/22/76         | 90             | 7623                   | 7530N                        | 02911E        | 34.7         | 176.6        | GGGG                               |                     |                      | 216                     | 6                      |
| 2547-11384        | 00000/0000                   | 2-20030/0100                | 07/22/76         | 90             | 7624                   | 7825N                        | 01714E        | 31.4         | 191.7        | GGGG                               |                     |                      | 234                     | 3                      |
| 2547-11391        | 00000/0000                   | 2-20030/0101                | 07/22/76         | 60             | 7624                   | 7738N                        | 01151E        | 32.5         | 186.0        | GGGG                               |                     |                      | 234                     | 4                      |
| 2547-11393        | 00000/0000                   | 2-20030/0102                | 07/22/76         | 90             | 7624                   | 7636N                        | 00713E        | 33.6         | 180.9        | GGGG                               |                     |                      | 234                     | 5                      |
| 2547-13211        | 00000/0000                   | 2-20030/0103                | 07/22/76         | 70             | 7625                   | 8007N                        | 00459E        | 29.2         | 205.8        | GGGG                               |                     |                      | 1                       | 1                      |
| 2547-13213        | 00000/0000                   | 2-20030/0104                | 07/22/76         | 60             | 7625                   | 7925N                        | 00212W        | 30.3         | 198.3        | GGGG                               |                     |                      | 1                       | 2                      |
| 2547-13220        | 00000/0000                   | 2-20030/0105                | 07/22/76         | 60             | 7625                   | 7835N                        | 00429W        | 31.4         | 191.7        | GGGG                               |                     |                      | 1                       | 3                      |
| 2547-13222        | 00000/0000                   | 2-20030/0106                | 07/22/76         | 50             | 7625                   | 7738N                        | 01354W        | 32.5         | 185.9        | GGGG                               |                     |                      | 1                       | 4                      |
| 2547-15042        | 00000/0000                   | 2-20030/0107                | 07/22/76         | 80             | 7626                   | 8009N                        | 02100W        | 29.2         | 205.8        | GGGG                               |                     |                      | 19                      | 1                      |
| 2547-15142        | 00000/0000                   | 2-20028/1767                | 07/22/76         | 10             | 7626                   | 5009N                        | 07650W        | 51.9         | 131.1        | GGGG                               |                     |                      | 19                      | 25                     |
| 2547-15290        | 00000/0000                   | 2-20030/0108                | 07/22/76         | 20             | 7626                   | 0000N                        | 09118W        | 45.4         | 60.6         | GGGG                               |                     |                      | 19                      | 60                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 29, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR N4N-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI NO./<br>POSITION IN RELI<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | SUN ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>MSS | MSS<br>DATA | MSS<br>IMAGE | ORBIT<br>PATH | FRAME<br>ROW |
|-------------------|------------------------------------------------|------------------|-------------|---------------------|------------------------------------|---------------|--------------|--------------|-------------------|------------|-------------|--------------|---------------|--------------|
|                   |                                                |                  |             |                     |                                    |               |              |              | 123               | 45678      | MODE        | GAIN         | NUMBER        | NUMBER       |
| 2547-15292        | 00000/0000                                     | 2-20030/0109     | 07/22/76    | 40                  | 7626                               | 0126S         | 09138W       | 44.5         | 59.4              |            |             |              |               |              |
| 2547-16571        | 00000/0000                                     | 2-20030/0001     | 07/22/76    | 60                  | 7627                               | 5134N         | 10157W       | 51.2         | 133.1             | GGGG       |             |              | 19            | 61           |
| 2547-18312        | 2-20030/1883                                   | 00000/0000       | 07/22/76    | 10                  | 7628                               | 7926N         | 07944W       | 30.3         | 198.3             | FGG        |             |              | 37            | 24           |
| 2547-18315        | 2-20030/1884                                   | 00000/0000       | 07/22/76    | 0                   | 7628                               | 7876N         | 08401W       | 31.4         | 191.7             | GG         |             |              | 55            | 2            |
| 2547-20173        | 00000/0000                                     | 2-20030/0002     | 07/22/76    | 10                  | 7629                               | 7155N         | 13443W       | 37.8         | 166.1             | GGG        |             |              | 55            | 3            |
| 2547-20180        | 00000/0000                                     | 2-20030/0003     | 07/22/76    | 10                  | 7629                               | 7039N         | 13700W       | 38.8         | 163.2             |            | G G         |              | 73            | 9            |
| 2548-01333        | 00000/0000                                     | 2-20024/1723     | 07/23/76    | 90                  | 7632                               | 5135N         | 12455E       | 51.1         | 133.2             | GGGG       |             |              | 73            | 10           |
| 2548-01340        | 00000/0000                                     | 2-20024/1724     | 07/23/76    | 90                  | 7632                               | 5011N         | 12415E       | 51.8         | 131.1             | GGGG       |             |              | 127           | 24           |
| 2548-01360        | 00000/0000                                     | 2-20024/1725     | 07/23/76    | 50                  | 7632                               | 4307N         | 12521E       | 54.6         | 120.4             | GGGG       |             |              | 127           | 25           |
| 2548-01363        | 00000/0000                                     | 2-20024/1726     | 07/23/76    | 70                  | 7632                               | 4141N         | 12450E       | 55.0         | 118.1             | GGGG       |             |              | 127           | 30           |
| 2548-01365        | 00000/0000                                     | 2-20024/1727     | 07/23/76    | 90                  | 7632                               | 4016N         | 12420E       | 55.4         | 115.9             | GGGG       |             |              | 127           | 31           |
| 2548-01372        | 00000/0000                                     | 2-20024/1728     | 07/23/76    | 90                  | 7632                               | 3851N         | 12351E       | 55.7         | 113.5             | GGGG       |             |              | 127           | 32           |
| 2548-03153        | 00000/0000                                     | 2-20029/0075     | 07/23/76    | 40                  | 7633                               | 5545N         | 10520E       | 48.9         | 139.2             | GGGG       |             |              | 127           | 39           |
| 2548-03160        | 00000/0000                                     | 2-20029/0076     | 07/23/76    | 80                  | 7633                               | 5421N         | 10433E       | 49.7         | 137.2             | GGGG       |             |              | 145           | 21           |
| 2548-03162        | 00000/0000                                     | 2-20029/0077     | 07/23/76    | 100                 | 7633                               | 5257N         | 10349E       | 50.4         | 135.2             | GGGG       |             |              | 145           | 22           |
| 2548-03165        | 00000/0000                                     | 2-20029/0078     | 07/23/76    | 100                 | 7633                               | 5133N         | 10307E       | 51.1         | 133.2             | GGGG       |             |              | 145           | 23           |
| 2548-03171        | 00000/0000                                     | 2-20029/0079     | 07/23/76    | 100                 | 7633                               | 5009N         | 10226E       | 51.8         | 131.1             | GGGG       |             |              | 145           | 24           |
| 2548-04523        | 00000/0000                                     | 2-20029/0171     | 07/23/76    | 50                  | 7634                               | 5709N         | 08023E       | 48.1         | 141.2             | GGGG       |             |              | 145           | 25           |
| 2548-04585        | 00000/0000                                     | 2-20029/0172     | 07/23/76    | 60                  | 7634                               | 5545N         | 07932E       | 48.9         | 139.2             | GGGG       |             |              | 163           | 20           |
| 2548-04592        | 00000/0000                                     | 2-20029/0173     | 07/23/76    | 50                  | 7634                               | 5421N         | 07845E       | 49.7         | 137.2             | GGGG       |             |              | 163           | 21           |
| 2548-04594        | 00000/0000                                     | 2-20029/0174     | 07/23/76    | 60                  | 7634                               | 5258N         | 07801E       | 50.4         | 135.2             | GGGG       |             |              | 163           | 22           |
| 2548-05001        | 00000/0000                                     | 2-20029/0175     | 07/23/76    | 80                  | 7634                               | 5134N         | 07719E       | 51.1         | 133.2             | GGGG       |             |              | 163           | 23           |
| 2548-05003        | 00000/0000                                     | 2-20030/0017     | 07/23/76    | 80                  | 7634                               | 5010N         | 07639E       | 51.8         | 131.2             | GGFG       |             |              | 163           | 24           |
| 2548-05010        | 00000/0000                                     | 2-20030/0018     | 07/23/76    | 80                  | 7634                               | 4845N         | 07601E       | 52.4         | 129.1             | GGFG       |             |              | 163           | 25           |
| 2548-05024        | 00000/0000                                     | 2-20030/0019     | 07/23/76    | 20                  | 7634                               | 4345N         | 07344E       | 54.6         | 120.4             | GGGG       |             |              | 163           | 26           |
| 2548-05042        | 00000/0000                                     | 2-20030/0020     | 07/23/76    | 10                  | 7634                               | 3724N         | 07145E       | 56.0         | 111.2             | GGPG       |             |              | 163           | 30           |
| 2548-05044        | 00000/0000                                     | 2-20030/0021     | 07/23/76    | 20                  | 7634                               | 3557N         | 07118E       | 56.2         | 108.9             | GGGG       |             |              | 163           | 34           |
| 2548-05051        | 00000/0000                                     | 2-20030/0022     | 07/23/76    | 40                  | 7634                               | 3432N         | 07052E       | 56.4         | 106.5             | GGFG       |             |              | 163           | 35           |
| 2548-06403        | 00000/0000                                     | 2-20024/1613     | 07/23/76    | 30                  | 7635                               | 6117N         | 05725E       | 45.5         | 147.2             | G G        |             |              | 181           | 36           |
| 2548-06405        | 00000/0000                                     | 2-20024/1614     | 07/23/76    | 30                  | 7635                               | 5955N         | 05423E       | 46.4         | 145.2             | GGGG       |             |              | 181           | 17           |
| 2548-06412        | 00000/0000                                     | 2-20024/1615     | 07/23/76    | 20                  | 7635                               | 5822N         | 05526E       | 47.2         | 143.2             | FGGG       |             |              | 181           | 18           |
| 2548-06414        | 00000/0000                                     | 2-20024/1616     | 07/23/76    | 30                  | 7635                               | 5709N         | 05432E       | 48.1         | 141.2             | FFFF       |             |              | 181           | 19           |
| 2548-06421        | 00000/0000                                     | 2-20024/1617     | 07/23/76    | 40                  | 7635                               | 5545N         | 05342E       | 48.9         | 139.2             | GGGG       |             |              | 181           | 20           |
| 2548-06423        | 00000/0000                                     | 2-20024/1618     | 07/23/76    | 50                  | 7635                               | 5422N         | 05254E       | 49.6         | 137.2             | GGGG       |             |              | 181           | 21           |
| 2548-06430        | 00000/0000                                     | 2-20024/1619     | 07/23/76    | 50                  | 7635                               | 5258N         | 05210E       | 50.4         | 135.2             | FGGG       |             |              | 181           | 22           |
| 2548-06432        | 00000/0000                                     | 2-20024/1620     | 07/23/76    | 80                  | 7635                               | 5134N         | 05127E       | 51.1         | 133.2             | GGGG       |             |              | 181           | 23           |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2548-06435        | 00000/0000 2-2002A/1621                        | 07/23/76         | 50             | 7635            | 5009N                              | 05047E       | 51.8         | 131.2             | GGGG                |                      | 181                     | 25                     |
| 2548-06455        | 00000/0000 2-2002A/1622                        | 07/23/76         | 30             | 7635            | 4304N                              | 04752E       | 54.6         | 120.4             | GGGF                |                      | 181                     | 30                     |
| 2548-06462        | 00000/0000 2-2002A/1623                        | 07/23/76         | 20             | 7635            | 4139N                              | 04722E       | 55.0         | 118.2             | GGGG                |                      | 181                     | 31                     |
| 2548-06464        | 00000/0000 2-2002A/1624                        | 07/23/76         | 20             | 7635            | 4014N                              | 04652E       | 55.4         | 115.9             | FGGG                |                      | 181                     | 32                     |
| 2548-06471        | 00000/0000 2-2002A/1625                        | 07/23/76         | 10             | 7635            | 3849N                              | 04624E       | 55.7         | 113.6             | GGGG                |                      | 181                     | 33                     |
| 2548-06473        | 00000/0000 2-2002A/1626                        | 07/23/76         | 0              | 7635            | 3723N                              | 04556E       | 56.0         | 111.2             | FGGG                |                      | 181                     | 34                     |
| 2548-06480        | 00000/0000 2-2002A/1627                        | 07/23/76         | 0              | 7635            | 3558N                              | 04529E       | 56.2         | 108.9             | GGGG                |                      | 181                     | 35                     |
| 2548-06482        | 00000/0000 2-2002A/1628                        | 07/23/76         | 0              | 7635            | 3432N                              | 04502E       | 56.4         | 106.5             | GGGG                |                      | 181                     | 36                     |
| 2548-06485        | 00000/0000 2-2002A/1629                        | 07/23/76         | 0              | 7635            | 3306N                              | 04436E       | 56.5         | 104.2             | GGGG                |                      | 181                     | 37                     |
| 2548-06491        | 00000/0000 2-2002A/1630                        | 07/23/76         | 0              | 7635            | 3140N                              | 04411E       | 56.6         | 101.8             | GGGG                |                      | 181                     | 38                     |
| 2548-08252        | 00000/0000 2-20030/0004                        | 07/23/76         | 10             | 7636            | 5544N                              | 02755E       | 48.9         | 139.2             | GGGG                |                      | 199                     | 21                     |
| 2548-08255        | 00000/0000 2-20030/0005                        | 07/23/76         | 10             | 7636            | 5421N                              | 02708E       | 49.6         | 137.2             | GGGG                |                      | 199                     | 22                     |
| 2548-08261        | 00000/0000 2-20030/0006                        | 07/23/76         | 10             | 7636            | 5257N                              | 02623E       | 50.4         | 135.2             | GGGG                |                      | 199                     | 23                     |
| 2548-08264        | 00000/0000 2-20030/0007                        | 07/23/76         | 30             | 7636            | 5133N                              | 02540E       | 51.1         | 133.2             | GGGG                |                      | 199                     | 24                     |
| 2548-08270        | 00000/0000 2-20030/0008                        | 07/23/76         | 10             | 7636            | 5008N                              | 02500E       | 51.8         | 131.2             | GGGG                |                      | 199                     | 25                     |
| 2548-08273        | 00000/0000 2-20030/0009                        | 07/23/76         | 20             | 7636            | 4844N                              | 02422E       | 52.4         | 129.1             | GGGG                |                      | 199                     | 26                     |
| 2548-08275        | 00000/0000 2-20030/0010                        | 07/23/76         | 30             | 7636            | 4719N                              | 02345E       | 53.0         | 127.0             | GFGG                |                      | 199                     | 27                     |
| 2548-10022        | 00000/0000 2-20030/0011                        | 07/23/76         | 90             | 7637            | 7532N                              | 02744E       | 34.5         | 176.6             | GGGG                |                      | 217                     | 6                      |
| 2548-11433        | 00000/0000 2-20030/0012                        | 07/23/76         | 40             | 7638            | 8008N                              | 02932E       | 29.0         | 206.0             | GGGG                |                      | 235                     | 1                      |
| 2548-11440        | 00000/0000 2-20030/0013                        | 07/23/76         | 30             | 7638            | 7926N                              | 02217E       | 30.1         | 198.5             | GGGG                |                      | 235                     | 2                      |
| 2548-11442        | 00000/0000 2-20030/0014                        | 07/23/76         | 40             | 7638            | 7836N                              | 01401E       | 31.2         | 191.8             | GGGG                |                      | 235                     | 3                      |
| 2548-11445        | 00000/0000 2-20030/0015                        | 07/23/76         | 70             | 7638            | 7739N                              | 01036E       | 32.3         | 186.0             | GGGG                |                      | 235                     | 4                      |
| 2548-11451        | 00000/0000 2-20030/0016                        | 07/23/76         | 100            | 7638            | 7637N                              | 00557E       | 33.4         | 181.0             | GGGG                |                      | 235                     | 5                      |
| 2548-15201        | 00000/0000 2-20030/0067                        | 07/23/76         | 60             | 7640            | 5010N                              | 07814W       | 51.7         | 131.2             | FGGG                |                      | 20                      | 25                     |
| 2548-17023        | 00000/0000 2-20030/0110                        | 07/23/76         | 10             | 7641            | 5259N                              | 10240W       | 50.3         | 135.3             | GGGG                |                      | 38                      | 23                     |
| 2548-17030        | 00000/0000 2-20030/0111                        | 07/23/76         | 10             | 7641            | 5135N                              | 10322W       | 51.0         | 133.3             | GGGG                |                      | 38                      | 24                     |
| 2548-17032        | 00000/0000 2-20030/0112                        | 07/23/76         | 0              | 7641            | 5011N                              | 10403W       | 51.7         | 131.3             | GGGG                |                      | 38                      | 25                     |
| 2548-18361        | 2-20030/1885 00000/0000                        | 07/23/76         | 10             | 7642            | 8038N                              | 06622W       | 27.9         | 213.7             | GGG                 |                      | 38                      | 248                    |
| 2548-18364        | 2-20030/1886 00000/0000                        | 07/23/76         | 0              | 7642            | 8006N                              | 07429W       | 29.0         | 205.3             | GGG                 |                      | 56                      | 1                      |
| 2548-18370        | 2-20030/1887 00000/0000                        | 07/23/76         | 10             | 7642            | 7923N                              | 08137W       | 30.1         | 197.9             | GGG                 |                      | 56                      | 2                      |
| 2548-20234        | 00000/0000 2-20030/0278                        | 07/23/76         | 10             | 7643            | 7038N                              | 13827W       | 38.6         | 163.1             |                     |                      | 74                      | 10                     |
| 2548-22063        | 00000/0000 2-20030/0279                        | 07/23/76         | 10             | 7644            | 7154N                              | 16203W       | 37.6         | 166.0             | GGG                 |                      | 92                      | 9                      |
| 2549-01385        | 00000/0000 2-20030/0023                        | 07/24/76         | 90             | 7646            | 5300N                              | 12815E       | 50.2         | 135.4             | GFGG                |                      | 128                     | 23                     |
| 2549-01392        | 00000/0000 2-20030/0024                        | 07/24/76         | 90             | 7646            | 5136N                              | 12733E       | 50.9         | 133.4             | GGFG                |                      | 128                     | 24                     |
| 2549-01394        | 00000/0000 2-20030/0025                        | 07/24/76         | 80             | 7646            | 5012N                              | 12652E       | 51.6         | 131.3             | GGFG                |                      | 128                     | 25                     |
| 2549-01401        | 00000/0000 2-20030/0026                        | 07/24/76         | 80             | 7646            | 4847N                              | 12614E       | 52.3         | 129.3             | GGFG                |                      | 128                     | 26                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 28, 1977

LANDSAT-2  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SRBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2549-01403        | 00000/0000                   | 2-20030/0027                | 07/24/76         | 90             | 7646            | 4723N                              | 12536E                              | 52.9         | 127.2        | GGFG                               |                     |                      | 128                     | 27                     |
| 2549-01410        | 00000/0000                   | 2-20030/0028                | 07/24/76         | 90             | 7646            | 4559N                              | 12501E                              | 53.4         | 125.0        | FGGF                               |                     |                      | 120                     | 28                     |
| 2549-01412        | 00000/0000                   | 2-20030/0029                | 07/24/76         | 90             | 7646            | 4433N                              | 12428E                              | 54.0         | 122.9        | FFFF                               |                     |                      | 128                     | 29                     |
| 2549-01415        | 00000/0000                   | 2-20030/0030                | 07/24/76         | 90             | 7646            | 4308N                              | 12356E                              | 54.4         | 120.7        | FGFF                               |                     |                      | 128                     | 30                     |
| 2549-01421        | 00000/0000                   | 2-20030/0031                | 07/24/76         | 100            | 7646            | 4143N                              | 12325E                              | 54.9         | 118.4        | FGFF                               |                     |                      | 128                     | 31                     |
| 2549-01424        | 00000/0000                   | 2-20030/0032                | 07/24/76         | 100            | 7646            | 4018N                              | 12255E                              | 55.3         | 116.1        | FGFF                               |                     |                      | 128                     | 32                     |
| 2549-03212        | 00000/0000                   | 2-20029/0176                | 07/24/76         | 10             | 7647            | 5546N                              | 10356E                              | 48.7         | 139.4        | FGGG                               |                     |                      | 146                     | 21                     |
| 2549-03214        | 00000/0000                   | 2-20029/0177                | 07/24/76         | 10             | 7647            | 5423N                              | 10308E                              | 49.5         | 137.4        | FGGG                               |                     |                      | 146                     | 22                     |
| 2549-03221        | 00000/0000                   | 2-20029/0178                | 07/24/76         | 30             | 7647            | 5259N                              | 10224E                              | 50.2         | 135.4        | GGGG                               |                     |                      | 146                     | 23                     |
| 2549-03223        | 00000/0000                   | 2-20029/0179                | 07/24/76         | 90             | 7647            | 5135N                              | 10142E                              | 50.9         | 133.4        | GGGG                               |                     |                      | 146                     | 24                     |
| 2549-03305        | 00000/0000                   | 2-20029/0180                | 07/24/76         | 50             | 7647            | 2306N                              | 09203E                              | 55.7         | 88.3         | GGGG                               |                     |                      | 146                     | 44                     |
| 2549-03312        | 00000/0000                   | 2-20029/0181                | 07/24/76         | 60             | 7647            | 2140N                              | 09142E                              | 55.4         | 86.1         | GGGG                               |                     |                      | 146                     | 45                     |
| 2549-05034        | 00000/0000                   | 2-20030/0123                | 07/24/76         | 60             | 7648            | 5833N                              | 07948E                              | 47.0         | 143.3        | G GG                               |                     |                      | 164                     | 19                     |
| 2549-05041        | 00000/0000                   | 2-20030/0124                | 07/24/76         | 80             | 7648            | 5710N                              | 07855E                              | 47.9         | 141.3        | GGGG                               |                     |                      | 164                     | 20                     |
| 2549-05043        | 00000/0000                   | 2-20030/0125                | 07/24/76         | 80             | 7648            | 5546N                              | 07805E                              | 48.7         | 139.4        | GGGG                               |                     |                      | 164                     | 21                     |
| 2549-05050        | 00000/0000                   | 2-20030/0126                | 07/24/76         | 70             | 7648            | 5423N                              | 07718E                              | 49.4         | 137.4        | GGGG                               |                     |                      | 164                     | 22                     |
| 2549-05052        | 00000/0000                   | 2-20030/0127                | 07/24/76         | 70             | 7648            | 5259N                              | 07633E                              | 50.2         | 135.4        | GGGG                               |                     |                      | 164                     | 23                     |
| 2549-05055        | 00000/0000                   | 2-20030/0128                | 07/24/76         | 60             | 7648            | 5135N                              | 07551E                              | 50.9         | 133.4        | GGGG                               |                     |                      | 164                     | 24                     |
| 2549-05061        | 00000/0000                   | 2-20030/0129                | 07/24/76         | 70             | 7648            | 5011N                              | 07511E                              | 51.6         | 131.3        | GGGG                               |                     |                      | 164                     | 25                     |
| 2549-05064        | 00000/0000                   | 2-20030/0130                | 07/24/76         | 80             | 7648            | 4846N                              | 07433E                              | 52.2         | 129.3        | GGGG                               |                     |                      | 164                     | 26                     |
| 2549-06461        | 00000/0000                   | 2-20030/0131                | 07/24/76         | 40             | 7649            | 6118N                              | 05602E                              | 45.3         | 147.3        | GGGG                               |                     |                      | 182                     | 17                     |
| 2549-06463        | 00000/0000                   | 2-20030/0132                | 07/24/76         | 30             | 7649            | 5956N                              | 05500E                              | 46.1         | 145.3        | GGGG                               |                     |                      | 182                     | 18                     |
| 2549-06470        | 00000/0000                   | 2-20030/0133                | 07/24/76         | 20             | 7649            | 5833N                              | 05403E                              | 47.0         | 143.3        | GGGG                               |                     |                      | 182                     | 19                     |
| 2549-06472        | 00000/0000                   | 2-20030/0280                | 07/24/76         | 10             | 7649            | 5710N                              | 05309E                              | 47.8         | 141.3        | GGGG                               |                     |                      | 182                     | 20                     |
| 2549-06475        | 00000/0000                   | 2-20030/0281                | 07/24/76         | 10             | 7649            | 5547N                              | 05218E                              | 48.7         | 139.4        | GGGG                               |                     |                      | 182                     | 21                     |
| 2549-06481        | 00000/0000                   | 2-20030/0282                | 07/24/76         | 10             | 7649            | 5423N                              | 05130E                              | 49.4         | 137.4        | GGGG                               |                     |                      | 182                     | 22                     |
| 2549-06484        | 00000/0000                   | 2-20030/0283                | 07/24/76         | 20             | 7649            | 5259N                              | 05045E                              | 50.2         | 135.4        | GGGG                               |                     |                      | 182                     | 23                     |
| 2549-06490        | 00000/0000                   | 2-20030/0284                | 07/24/76         | 70             | 7649            | 5135N                              | 05002E                              | 50.9         | 133.4        | GGGG                               |                     |                      | 182                     | 24                     |
| 2549-06493        | 00000/0000                   | 2-20030/0285                | 07/24/76         | 20             | 7649            | 5010N                              | 04922E                              | 51.6         | 131.3        | GGGG                               |                     |                      | 182                     | 25                     |
| 2549-06495        | 00000/0000                   | 2-20030/0286                | 07/24/76         | 60             | 7649            | 4846N                              | 04844E                              | 52.2         | 129.3        | GGGG                               |                     |                      | 182                     | 26                     |
| 2549-06502        | 00000/0000                   | 2-20030/0287                | 07/24/76         | 90             | 7649            | 4722N                              | 04808E                              | 52.8         | 127.2        | GGGG                               |                     |                      | 182                     | 27                     |
| 2549-06504        | 00000/0000                   | 2-20030/0288                | 07/24/76         | 80             | 7649            | 4557N                              | 04733E                              | 53.4         | 125.1        | GGGG                               |                     |                      | 182                     | 28                     |
| 2549-06511        | 00000/0000                   | 2-20030/0289                | 07/24/76         | 60             | 7649            | 4431N                              | 04659E                              | 53.9         | 122.9        | GGGG                               |                     |                      | 182                     | 29                     |
| 2549-06525        | 00000/0000                   | 2-20030/0290                | 07/24/76         | 10             | 7649            | 3850N                              | 04459E                              | 55.6         | 113.9        | FGGG                               |                     |                      | 182                     | 33                     |
| 2549-06531        | 00000/0000                   | 2-20030/0291                | 07/24/76         | 0              | 7649            | 3724N                              | 04432E                              | 55.9         | 111.6        | GGGG                               |                     |                      | 182                     | 34                     |
| 2549-06534        | 00000/0000                   | 2-20030/0292                | 07/24/76         | 0              | 7649            | 3559N                              | 04405E                              | 56.1         | 109.2        | GGGG                               |                     |                      | 182                     | 35                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G, GOOD, P, POOR, F, FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2549-06540        | 00000/0000                                     | 2-20030/0293     | 07/24/76       | 0               | 7649                               | 3433N                               | 04338E       | 56.3         | 106.9             | GGGG        |                     |                      | 182                     | 36                     |
| 2549-06543        | 00000/0000                                     | 2-20030/0294     | 07/24/76       | 0               | 7649                               | 3378N                               | 04312E       | 56.4         | 104.5             | GGGG        |                     |                      | 182                     | 37                     |
| 2549-08304        | 00000/0000                                     | 2-20029/0151     | 07/24/76       | 30              | 7650                               | 5709N                               | 02718E       | 47.8         | 141.3             | GGGG        |                     |                      | 200                     | 20                     |
| 2549-08310        | 00000/0000                                     | 2-20029/0152     | 07/24/76       | 10              | 7650                               | 5546N                               | 02628E       | 48.6         | 139.4             | GGGG        |                     |                      | 200                     | 21                     |
| 2549-08313        | 00000/0000                                     | 2-20029/0153     | 07/24/76       | 10              | 7650                               | 5422N                               | 02541E       | 49.4         | 137.4             | GGGG        |                     |                      | 200                     | 22                     |
| 2549-08315        | 00000/0000                                     | 2-20029/0154     | 07/24/76       | 10              | 7650                               | 5258N                               | 02457E       | 50.2         | 135.4             | GGGG        |                     |                      | 200                     | 23                     |
| 2549-08322        | 00000/0000                                     | 2-20029/0155     | 07/24/76       | 20              | 7650                               | 5134N                               | 02414E       | 50.9         | 133.4             | GGGG        |                     |                      | 200                     | 24                     |
| 2549-08324        | 00000/0000                                     | 2-20030/0068     | 07/24/76       | 20              | 7650                               | 5009N                               | 02334E       | 51.6         | 131.4             | G           |                     |                      | 200                     | 25                     |
| 2549-08331        | 00000/0000                                     | 2-20030/0069     | 07/24/76       | 20              | 7650                               | 4845N                               | 02256E       | 52.2         | 129.3             | GGGG        |                     |                      | 200                     | 26                     |
| 2549-10074        | 00000/0000                                     | 2-20030/0070     | 07/24/76       | 60              | 7651                               | 7676N                               | 03016E       | 33.2         | 180.9             | GGGG        |                     |                      | 218                     | 5                      |
| 2549-11492        | 00000/0000                                     | 2-20030/0071     | 07/24/76       | 80              | 7652                               | 8008N                               | 02749E       | 28.8         | 205.8             | GGGG        |                     |                      | 236                     | 1                      |
| 2549-11494        | 00000/0000                                     | 2-20030/0072     | 07/24/76       | 30              | 7652                               | 7926N                               | 02034E       | 29.9         | 198.3             | GGGG        |                     |                      | 236                     | 2                      |
| 2549-11501        | 00000/0000                                     | 2-20030/0073     | 07/24/76       | 60              | 7652                               | 7835N                               | 01419E       | 31.0         | 191.7             | GGGG        |                     |                      | 236                     | 3                      |
| 2549-11503        | 00000/0000                                     | 2-20030/0074     | 07/24/76       | 90              | 7652                               | 7739N                               | 00855E       | 32.1         | 185.9             | FGGG        |                     |                      | 236                     | 4                      |
| 2549-11510        | 00000/0000                                     | 2-20030/0075     | 07/24/76       | 90              | 7652                               | 7676N                               | 00418E       | 33.2         | 180.9             | GGGG        |                     |                      | 236                     | 5                      |
| 2549-13323        | 00000/0000                                     | 2-20030/0076     | 07/24/76       | 30              | 7653                               | 8007N                               | 00200E       | 28.8         | 205.8             | GGGG        |                     |                      | 3                       | 1                      |
| 2549-13330        | 00000/0000                                     | 2-20030/0077     | 07/24/76       | 20              | 7653                               | 7926N                               | 00512W       | 29.9         | 198.3             | GGGG        |                     |                      | 3                       | 2                      |
| 2549-13335        | 00000/0000                                     | 2-20030/0078     | 07/24/76       | 90              | 7653                               | 7738N                               | 01654W       | 32.1         | 185.9             | GGFG        |                     |                      | 3                       | 4                      |
| 2549-15252        | 00000/0000                                     | 2-20030/0079     | 07/24/76       | 50              | 7654                               | 5133N                               | 07900W       | 50.8         | 133.4             | GGGG        |                     |                      | 21                      | 24                     |
| 2549-15255        | 00000/0000                                     | 2-20030/0080     | 07/24/76       | 50              | 7654                               | 5008N                               | 07940W       | 51.5         | 131.4             | GGGG        |                     |                      | 21                      | 25                     |
| 2549-17084        | 00000/0000                                     | 2-20030/0120     | 07/24/76       | 60              | 7655                               | 5133N                               | 10450W       | 50.8         | 133.4             | GGGG        |                     |                      | 39                      | 24                     |
| 2549-18420        | 2-20030/1888                                   | 00000/0000       | 07/24/76       | 10              | 7656                               | 8079N                               | 06736W       | 27.6         | 213.8             | GGG         |                     |                      | 39                      | 248                    |
| 2549-18422        | 2-20030/1889                                   | 00000/0000       | 07/24/76       | 0               | 7656                               | 8077N                               | 07543W       | 28.8         | 205.5             | GGF         |                     |                      | 57                      | 1                      |
| 2549-18425        | 2-20030/1890                                   | 00000/0000       | 07/24/76       | 10              | 7656                               | 7924N                               | 08254W       | 29.9         | 198.0             | GGG         |                     |                      | 57                      | 2                      |
| 2549-22124        | 00000/0000                                     | 2-20030/0298     | 07/24/76       | 10              | 7658                               | 7038N                               | 16534W       | 38.4         | 163.2             | GGGG        |                     |                      | 93                      | 10                     |
| 2550-01441        | 00000/0000                                     | 2-20029/0156     | 07/25/76       | 100             | 7660                               | 5422N                               | 12732E       | 49.3         | 137.5             | GGGG        |                     |                      | 129                     | 22                     |
| 2550-01443        | 00000/0000                                     | 2-20029/0157     | 07/25/76       | 90              | 7660                               | 5258N                               | 12648E       | 50.0         | 135.5             | GGGG        |                     |                      | 129                     | 23                     |
| 2550-01450        | 00000/0000                                     | 2-20029/0158     | 07/25/76       | 90              | 7660                               | 5134N                               | 12605E       | 50.8         | 133.5             | GGGG        |                     |                      | 129                     | 24                     |
| 2550-01452        | 00000/0000                                     | 2-20029/0159     | 07/25/76       | 90              | 7660                               | 5009N                               | 12525E       | 51.4         | 131.5             | GGGG        |                     |                      | 129                     | 25                     |
| 2550-01455        | 00000/0000                                     | 2-20029/0160     | 07/25/76       | 80              | 7660                               | 4845N                               | 12446E       | 52.1         | 129.4             | GGGG        |                     |                      | 129                     | 26                     |
| 2550-01461        | 00000/0000                                     | 2-20029/0161     | 07/25/76       | 60              | 7660                               | 4721N                               | 12410E       | 52.7         | 127.3             | GGGG        |                     |                      | 129                     | 27                     |
| 2550-01464        | 00000/0000                                     | 2-20029/0162     | 07/25/76       | 40              | 7660                               | 4570N                               | 12335E       | 53.3         | 125.2             | GGGG        |                     |                      | 129                     | 28                     |
| 2550-01470        | 00000/0000                                     | 2-20029/0163     | 07/25/76       | 60              | 7660                               | 4432N                               | 12301E       | 53.8         | 123.0             | GGGG        |                     |                      | 129                     | 29                     |
| 2550-01473        | 00000/0000                                     | 2-20029/0164     | 07/25/76       | 90              | 7660                               | 4307N                               | 12229E       | 54.3         | 120.8             | GGGG        |                     |                      | 129                     | 30                     |
| 2550-01475        | 00000/0000                                     | 2-20029/0165     | 07/25/76       | 90              | 7660                               | 4141N                               | 12157E       | 54.7         | 118.6             | GGGG        |                     |                      | 129                     | 31                     |
| 2550-01482        | 00000/0000                                     | 2-20029/0166     | 07/25/76       | 90              | 7660                               | 4015N                               | 12127E       | 55.1         | 116.4             | GGGG        |                     |                      | 129                     | 32                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, RAND NOT AVAILABLE. G, GOOD. P, POOR. F, FAIR.  
 MSS DATA MODE ..... (BLANK) = COMPRESSED, L = LINEAR  
 MSS IMAGE GAIN ..... (BLANK) = LOW GAIN, H = HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | LONG   | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|--------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2550-01484        | 00000/0000                   | 2-20029/0167                | 07/25/76         | 80             | 7660            | 3849N                              | 12059E | 55.5         | 114.1        | GGGG                               |                     |                      | 129                     | 33                     |
| 2550-01491        | 00000/0000                   | 2-20029/0168                | 07/25/76         | 90             | 7660            | 3724N                              | 12032E | 55.7         | 111.8        | GGFG                               |                     |                      | 129                     | 34                     |
| 2550-01493        | 00000/0000                   | 2-20029/0169                | 07/25/76         | 90             | 7660            | 3559N                              | 12005E | 56.0         | 109.4        | GGGG                               |                     |                      | 129                     | 35                     |
| 2550-01500        | 00000/0000                   | 2-20029/0170                | 07/25/76         | 20             | 7660            | 3433N                              | 11938E | 56.2         | 107.1        | GGGG                               |                     |                      | 129                     | 36                     |
| 2550-03270        | 00000/0000                   | 2-20030/0134                | 07/25/76         | 10             | 7661            | 5545N                              | 10228E | 48.5         | 139.4        | GGGG                               |                     |                      | 147                     | 21                     |
| 2550-03272        | 00000/0000                   | 2-20030/0135                | 07/25/76         | 10             | 7661            | 5422N                              | 10141E | 49.3         | 137.5        | GGGG                               |                     |                      | 147                     | 22                     |
| 2550-03275        | 00000/0000                   | 2-20030/0136                | 07/25/76         | 30             | 7661            | 5258N                              | 10056E | 50.0         | 135.5        | GGGG                               |                     |                      | 147                     | 23                     |
| 2550-03363        | 00000/0000                   | 2-20030/0137                | 07/25/76         | 60             | 7661            | 2304N                              | 09037E | 55.6         | 88.6         | GGGG                               |                     |                      | 147                     | 44                     |
| 2550-03370        | 00000/0000                   | 2-20030/0138                | 07/25/76         | 80             | 7661            | 2147N                              | 09015E | 55.3         | 86.4         | GGGG                               |                     |                      | 147                     | 45                     |
| 2550-13463        | 00000/0000                   | 2-20030/0303                | 07/25/76         | 90             | 7667            | 5546N                              | 05225W | 48.4         | 139.5        | FGGG                               |                     |                      | 4                       | 21                     |
| 2550-17092        | 00000/0000                   | 2-20030/0113                | 07/25/76         | 0              | 7669            | 6802N                              | 09333W | 40.2         | 158.1        | GGGG                               |                     |                      | 40                      | 12                     |
| 2550-17095        | 00000/0000                   | 2-20030/0114                | 07/25/76         | 10             | 7669            | 6643N                              | 09510W | 41.2         | 155.8        | GGGG                               |                     |                      | 40                      | 13                     |
| 2550-17101        | 00000/0000                   | 2-20030/0115                | 07/25/76         | 10             | 7669            | 6522N                              | 09638W | 42.2         | 153.6        | GGGG                               |                     |                      | 40                      | 14                     |
| 2550-17104        | 00000/0000                   | 2-20030/0116                | 07/25/76         | 10             | 7669            | 6402N                              | 09757W | 43.1         | 151.4        | GGGG                               |                     |                      | 40                      | 15                     |
| 2550-17110        | 00000/0000                   | 2-20030/0117                | 07/25/76         | 10             | 7669            | 6240N                              | 09911W | 44.1         | 149.4        | GGGG                               |                     |                      | 40                      | 16                     |
| 2550-17113        | 00000/0000                   | 2-20030/0118                | 07/25/76         | 60             | 7669            | 6118N                              | 10018W | 45.0         | 147.4        | GGGG                               |                     |                      | 40                      | 17                     |
| 2550-17115        | 00000/0000                   | 2-20030/0119                | 07/25/76         | 90             | 7669            | 5956N                              | 10121W | 45.9         | 145.4        | FGFG                               |                     |                      | 40                      | 18                     |
| 2550-17122        | 00000/0000                   | 2-20030/0081                | 07/25/76         | 90             | 7669            | 5833N                              | 10218W | 46.7         | 143.4        | GGGG                               |                     |                      | 40                      | 19                     |
| 2550-17124        | 00000/0000                   | 2-20030/0082                | 07/25/76         | 50             | 7669            | 5710N                              | 10312W | 47.6         | 141.5        | GGGG                               |                     |                      | 40                      | 20                     |
| 2550-17131        | 00000/0000                   | 2-20030/0083                | 07/25/76         | 20             | 7669            | 5547N                              | 10402W | 48.4         | 139.5        | GGGG                               |                     |                      | 40                      | 21                     |
| 2550-17133        | 00000/0000                   | 2-20030/0084                | 07/25/76         | 10             | 7669            | 5423N                              | 10449W | 49.2         | 137.6        | GGGG                               |                     |                      | 40                      | 22                     |
| 2550-17140        | 00000/0000                   | 2-20030/0085                | 07/25/76         | 10             | 7669            | 5259N                              | 10533W | 49.9         | 135.6        | GGGG                               |                     |                      | 40                      | 23                     |
| 2550-17142        | 00000/0000                   | 2-20030/0086                | 07/25/76         | 10             | 7669            | 5135N                              | 10615W | 50.6         | 133.6        | GGGG                               |                     |                      | 40                      | 24                     |
| 2550-18474        | 2-20030/1891                 | 00000/0000                  | 07/25/76         | 0              | 7670            | 8039N                              | 06850W | 27.4         | 214.0        | GGG                                |                     |                      | 40                      | 248                    |
| 2550-18480        | 2-20030/1892                 | 00000/0000                  | 07/25/76         | 0              | 7670            | 8007N                              | 07656W | 28.5         | 205.6        | GG                                 |                     |                      | 58                      | 1                      |
| 2550-18483        | 2-20030/1893                 | 00000/0000                  | 07/25/76         | 0              | 7670            | 7925N                              | 08407W | 29.6         | 198.1        | GGG                                |                     |                      | 58                      | 2                      |
| 2550-22184        | 00000/0000                   | 2-20030/0121                | 07/25/76         | 80             | 7672            | 6923N                              | 16905W | 39.1         | 160.6        | GGGF                               |                     |                      | 94                      | 11                     |
| 2550-22191        | 00000/0000                   | 2-20030/0122                | 07/25/76         | 40             | 7672            | 6805N                              | 17054W | 40.1         | 158.2        | GG G                               |                     |                      | 94                      | 12                     |
| 2551-01493        | 00000/0000                   | 2-20030/0033                | 07/26/76         | 100            | 7674            | 5547N                              | 12651E | 48.3         | 139.6        | GGGG                               |                     |                      | 130                     | 21                     |
| 2551-01495        | 00000/0000                   | 2-20030/0034                | 07/26/76         | 90             | 7674            | 5423N                              | 12604E | 49.1         | 137.6        | FGFG                               |                     |                      | 130                     | 22                     |
| 2551-01502        | 00000/0000                   | 2-20030/0035                | 07/26/76         | 90             | 7674            | 5300N                              | 12520E | 49.8         | 135.7        | FGFG                               |                     |                      | 130                     | 23                     |
| 2551-01504        | 00000/0000                   | 2-20030/0036                | 07/26/76         | 60             | 7674            | 5136N                              | 12438E | 50.5         | 133.7        | GGGG                               |                     |                      | 130                     | 24                     |
| 2551-01511        | 00000/0000                   | 2-20030/0037                | 07/26/76         | 30             | 7674            | 5011N                              | 12358E | 51.2         | 131.7        | GGGG                               |                     |                      | 130                     | 25                     |
| 2551-01513        | 00000/0000                   | 2-20030/0038                | 07/26/76         | 30             | 7674            | 4846N                              | 12320E | 51.9         | 129.6        | GGGG                               |                     |                      | 130                     | 26                     |
| 2551-01520        | 00000/0000                   | 2-20030/0039                | 07/26/76         | 60             | 7674            | 4722N                              | 12244E | 52.5         | 127.5        | GGGG                               |                     |                      | 130                     | 27                     |
| 2551-01522        | 00000/0000                   | 2-20030/0040                | 07/26/76         | 50             | 7674            | 4557N                              | 12209E | 53.1         | 125.4        | GGGG                               |                     |                      | 130                     | 28                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANHSAT-2  
OBSERVATION ID LISTING  
FOR NPN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2551-01525        | 00000/0000                   | 2-20030/0041                | 07/26/76         | 40             | 7674                   | 4433N                        | 12135E        | 53.6         | 123.3        | GGGG                               |                     |                      | 130                     | 29                     |
| 2551-01531        | 00000/0000                   | 2-20030/0042                | 07/26/76         | 30             | 7674                   | 4308N                        | 12103E        | 54.1         | 121.1        | GGGG                               |                     |                      | 130                     | 30                     |
| 2551-01534        | 00000/0000                   | 2-20030/0043                | 07/26/76         | 80             | 7674                   | 4143N                        | 12031E        | 54.5         | 118.9        | GGGG                               |                     |                      | 130                     | 31                     |
| 2551-01540        | 00000/0000                   | 2-20030/0044                | 07/26/76         | 80             | 7674                   | 4017N                        | 12001E        | 54.9         | 116.7        | GGGG                               |                     |                      | 130                     | 32                     |
| 2551-01543        | 00000/0000                   | 2-20030/0045                | 07/26/76         | 60             | 7674                   | 3851N                        | 11932E        | 55.3         | 114.4        | FGGG                               |                     |                      | 130                     | 33                     |
| 2551-01545        | 00000/0000                   | 2-20030/0046                | 07/26/76         | 70             | 7674                   | 3725N                        | 11904E        | 55.6         | 112.1        | GGGG                               |                     |                      | 130                     | 34                     |
| 2551-01552        | 00000/0000                   | 2-20030/0047                | 07/26/76         | 80             | 7674                   | 3559N                        | 11838E        | 55.8         | 109.8        | GGGG                               |                     |                      | 130                     | 35                     |
| 2551-01554        | 00000/0000                   | 2-20030/0048                | 07/26/76         | 60             | 7674                   | 3434N                        | 11812E        | 56.0         | 107.5        | GGGG                               |                     |                      | 130                     | 36                     |
| 2551-03331        | 00000/0000                   | 2-20030/0049                | 07/26/76         | 70             | 7675                   | 5423N                        | 10016E        | 49.1         | 137.6        | GGGG                               |                     |                      | 148                     | 22                     |
| 2551-03413        | 00000/0000                   | 2-20030/0050                | 07/26/76         | 40             | 7675                   | 2559N                        | 08956E        | 56.0         | 93.5         | GGGG                               |                     |                      | 148                     | 42                     |
| 2551-03415        | 00000/0000                   | 2-20030/0051                | 07/26/76         | 50             | 7675                   | 2433N                        | 08933E        | 55.8         | 91.2         | GGGG                               |                     |                      | 148                     | 43                     |
| 2551-03422        | 00000/0000                   | 2-20030/0052                | 07/26/76         | 60             | 7675                   | 2306N                        | 08910E        | 55.6         | 89.0         | GGGG                               |                     |                      | 148                     | 44                     |
| 2551-03424        | 00000/0000                   | 2-20030/0053                | 07/26/76         | 80             | 7675                   | 2139N                        | 08848E        | 55.3         | 86.8         | GGGG                               |                     |                      | 148                     | 45                     |
| 2551-05153        | 00000/0000                   | 2-20030/0054                | 07/26/76         | 10             | 7676                   | 5710N                        | 07603E        | 47.4         | 141.5        | GGGG                               |                     |                      | 166                     | 20                     |
| 2551-05160        | 00000/0000                   | 2-20030/0055                | 07/26/76         | 10             | 7676                   | 5547N                        | 07513E        | 48.3         | 139.6        | GGGG                               |                     |                      | 166                     | 21                     |
| 2551-05162        | 00000/0000                   | 2-20030/0056                | 07/26/76         | 10             | 7676                   | 5423N                        | 07426E        | 49.0         | 137.6        | GGGG                               |                     |                      | 166                     | 22                     |
| 2551-05165        | 00000/0000                   | 2-20030/0057                | 07/26/76         | 30             | 7676                   | 5259N                        | 07341E        | 49.8         | 135.7        | GGGG                               |                     |                      | 166                     | 23                     |
| 2551-05171        | 00000/0000                   | 2-20030/0058                | 07/26/76         | 30             | 7676                   | 5135N                        | 07259E        | 50.5         | 133.7        | GGGG                               |                     |                      | 166                     | 24                     |
| 2551-05174        | 00000/0000                   | 2-20030/0059                | 07/26/76         | 30             | 7676                   | 5011N                        | 07219E        | 51.2         | 131.7        | GGGG                               |                     |                      | 166                     | 25                     |
| 2551-05180        | 00000/0000                   | 2-20030/0060                | 07/26/76         | 20             | 7676                   | 4846N                        | 07141E        | 51.9         | 129.6        | GGGG                               |                     |                      | 166                     | 26                     |
| 2551-05183        | 00000/0000                   | 2-20030/0061                | 07/26/76         | 40             | 7676                   | 4721N                        | 07105E        | 52.5         | 127.6        | GGGG                               |                     |                      | 166                     | 27                     |
| 2551-05185        | 00000/0000                   | 2-20030/0062                | 07/26/76         | 60             | 7676                   | 4546N                        | 07030E        | 53.1         | 125.5        | GGGG                               |                     |                      | 166                     | 28                     |
| 2551-05192        | 00000/0000                   | 2-20030/0063                | 07/26/76         | 10             | 7676                   | 4431N                        | 06957E        | 53.6         | 123.3        | GGGG                               |                     |                      | 166                     | 29                     |
| 2551-05194        | 00000/0000                   | 2-20030/0064                | 07/26/76         | 0              | 7676                   | 4307N                        | 06924E        | 54.1         | 121.1        | GGGG                               |                     |                      | 166                     | 30                     |
| 2551-05201        | 00000/0000                   | 2-20030/0065                | 07/26/76         | 0              | 7676                   | 4142N                        | 06853E        | 54.5         | 118.9        | GGGG                               |                     |                      | 166                     | 31                     |
| 2551-05203        | 00000/0000                   | 2-20030/0066                | 07/26/76         | 10             | 7676                   | 4018N                        | 06822E        | 54.9         | 116.7        | GGGG                               |                     |                      | 166                     | 32                     |
| 2551-05573        | 00000/0000                   | 2-20030/0139                | 07/26/76         | 20             | 7677                   | 6118N                        | 05311E        | 44.8         | 147.4        | GGGG                               |                     |                      | 184                     | 17                     |
| 2551-06580        | 00000/0000                   | 2-20030/0140                | 07/26/76         | 80             | 7677                   | 5956N                        | 05208E        | 45.7         | 145.4        | FGGG                               |                     |                      | 184                     | 18                     |
| 2551-06582        | 00000/0000                   | 2-20030/0141                | 07/26/76         | 90             | 7677                   | 5833N                        | 05110E        | 46.6         | 143.5        | FFGG                               |                     |                      | 184                     | 19                     |
| 2551-06585        | 00000/0000                   | 2-20030/0142                | 07/26/76         | 70             | 7677                   | 5710N                        | 05016E        | 47.4         | 141.5        | GGGG                               |                     |                      | 184                     | 20                     |
| 2551-06594        | 00000/0000                   | 2-20030/0143                | 07/26/76         | 60             | 7677                   | 5423N                        | 04838E        | 49.0         | 137.6        | GGGG                               |                     |                      | 184                     | 22                     |
| 2551-07000        | 00000/0000                   | 2-20030/0144                | 07/26/76         | 30             | 7677                   | 5259N                        | 04754E        | 49.8         | 135.7        | GGGG                               |                     |                      | 184                     | 23                     |
| 2551-07003        | 00000/0000                   | 2-20030/0145                | 07/26/76         | 10             | 7677                   | 5134N                        | 04711E        | 50.5         | 133.7        | GGGG                               |                     |                      | 184                     | 24                     |
| 2551-07005        | 00000/0000                   | 2-20030/0146                | 07/26/76         | 10             | 7677                   | 5010N                        | 04631E        | 51.2         | 131.7        | GGGG                               |                     |                      | 184                     | 25                     |
| 2551-07012        | 00000/0000                   | 2-20030/0147                | 07/26/76         | 10             | 7677                   | 4846N                        | 04553E        | 51.9         | 129.6        | GGGG                               |                     |                      | 184                     | 26                     |
| 2551-07014        | 00000/0000                   | 2-20030/0148                | 07/26/76         | 10             | 7677                   | 4721N                        | 04517E        | 52.5         | 127.6        | FGGG                               |                     |                      | 184                     | 27                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>PRINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|---------------------------------------|----------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2551-07021        | 00000/0000 2-20030/0149                        | 07/26/76         | 10             | 7677                   | 4556N                                 | 04442E                                 | 53.0         | 125.5        |                   |                     |                      |                         |                        |
| 2551-07023        | 00000/0000 2-20030/0150                        | 07/26/76         | 20             | 7677                   | 4431N                                 | 04408E                                 | 53.6         | 123.3        | FGGG              |                     |                      | 184                     | 28                     |
| 2551-07030        | 00000/0000 2-20030/0151                        | 07/26/76         | 20             | 7677                   | 4306N                                 | 04337E                                 | 54.1         | 121.2        | GGGG              |                     |                      | 184                     | 29                     |
| 2551-08393        | 00000/0000 2-20030/0152                        | 07/26/76         | 50             | 7678                   | 6523N                                 | 03100E                                 | 42.0         | 153.6        | GGGG              |                     |                      | 184                     | 30                     |
| 2551-08400        | 00000/0000 2-20030/0153                        | 07/26/76         | 70             | 7678                   | 6401N                                 | 02940E                                 | 43.0         | 151.5        | GGGG              |                     |                      | 202                     | 14                     |
| 2551-08402        | 00000/0000 2-20030/0154                        | 07/26/76         | 90             | 7678                   | 6239N                                 | 02828E                                 | 43.9         | 149.4        | GGGG              |                     |                      | 202                     | 15                     |
| 2551-08405        | 00000/0000 2-20030/0155                        | 07/26/76         | 80             | 7678                   | 6118N                                 | 02721E                                 | 44.8         | 147.4        | GGGG              |                     |                      | 202                     | 16                     |
| 2551-08411        | 00000/0000 2-20030/0156                        | 07/26/76         | 50             | 7678                   | 5955N                                 | 02619E                                 | 45.7         | 145.4        | FGFG              |                     |                      | 202                     | 17                     |
| 2551-08414        | 00000/0000 2-20030/0157                        | 07/26/76         | 60             | 7678                   | 5832N                                 | 02521E                                 | 46.6         | 143.5        | GGGG              |                     |                      | 202                     | 18                     |
| 2551-08420        | 00000/0000 2-20030/0158                        | 07/26/76         | 60             | 7678                   | 5709N                                 | 02427E                                 | 47.4         | 141.5        | GGGG              |                     |                      | 202                     | 19                     |
| 2551-08423        | 00000/0000 2-20030/0159                        | 07/26/76         | 60             | 7678                   | 5546N                                 | 02336E                                 | 48.2         | 139.6        | GGGG              |                     |                      | 202                     | 20                     |
| 2551-08425        | 00000/0000 2-20030/0160                        | 07/26/76         | 80             | 7678                   | 5422N                                 | 02249E                                 | 49.0         | 137.6        | GGGG              |                     |                      | 202                     | 21                     |
| 2551-10184        | 00000/0000 2-20030/0161                        | 07/26/76         | 90             | 7679                   | 7738N                                 | 03006E                                 | 31.7         | 185.9        | GGGG              |                     |                      | 202                     | 22                     |
| 2551-10191        | 00000/0000 2-20030/0162                        | 07/26/76         | 70             | 7679                   | 7636N                                 | 02727E                                 | 32.8         | 180.9        | GGFG              |                     |                      | 220                     | 4                      |
| 2551-10193        | 00000/0000 2-20030/0163                        | 07/26/76         | 10             | 7679                   | 7530N                                 | 02626E                                 | 33.8         | 176.5        | GGGG              |                     |                      | 220                     | 5                      |
| 2551-12004        | 00000/0000 2-20030/0164                        | 07/26/76         | 90             | 7680                   | 8008N                                 | 02458E                                 | 28.3         | 205.8        | GGGG              |                     |                      | 220                     | 6                      |
| 2551-12011        | 00000/0000 2-20030/0165                        | 07/26/76         | 90             | 7680                   | 7926N                                 | 01746E                                 | 29.5         | 198.3        | GGGG              |                     |                      | 238                     | 1                      |
| 2551-12013        | 00000/0000 2-20030/0166                        | 07/26/76         | 90             | 7680                   | 7836N                                 | 01128E                                 | 30.6         | 191.7        | GGGG              |                     |                      | 238                     | 2                      |
| 2551-12020        | 00000/0000 2-20030/0167                        | 07/26/76         | 90             | 7680                   | 7739N                                 | 00605E                                 | 31.7         | 185.9        | GGGG              |                     |                      | 238                     | 3                      |
| 2551-12022        | 00000/0000 2-20030/0168                        | 07/26/76         | 90             | 7680                   | 7636N                                 | 00129E                                 | 32.8         | 180.9        | GGGG              |                     |                      | 238                     | 4                      |
| 2551-13522        | 00000/0000 2-20030/0246                        | 07/26/76         | 90             | 7681                   | 5548N                                 | 05349W                                 | 48.2         | 139.7        | FGGG              |                     |                      | 238                     | 5                      |
| 2551-17103        | 2-20030/1894 00000/0000                        | 07/26/76         | 50             | 7683                   | 8006N                                 | 05242W                                 | 28.3         | 205.5        | GGG               |                     |                      | 41                      | 21                     |
| 2551-17110        | 2-20030/1895 00000/0000                        | 07/26/76         | 40             | 7683                   | 7924N                                 | 05952W                                 | 29.5         | 198.0        | GGG               |                     |                      | 41                      | 1                      |
| 2551-17112        | 2-20030/1896 00000/0000                        | 07/26/76         | 20             | 7683                   | 7834N                                 | 06603W                                 | 30.6         | 191.4        | GGG               |                     |                      | 41                      | 2                      |
| 2551-17115        | 2-20030/1897 00000/0000                        | 07/26/76         | 10             | 7683                   | 7737N                                 | 07125W                                 | 31.7         | 185.7        | GGG               |                     |                      | 41                      | 3                      |
| 2551-17185        | 00000/0000 2-20030/0247                        | 07/26/76         | 80             | 7683                   | 5548N                                 | 10525W                                 | 48.1         | 139.7        | GGGG              |                     |                      | 41                      | 4                      |
| 2551-17191        | 00000/0000 2-20030/0248                        | 07/26/76         | 70             | 7683                   | 5425N                                 | 10612W                                 | 48.9         | 137.7        | GGGG              |                     |                      | 41                      | 21                     |
| 2551-17194        | 00000/0000 2-20030/0249                        | 07/26/76         | 70             | 7683                   | 5300N                                 | 10657W                                 | 49.7         | 135.8        | GGFG              |                     |                      | 41                      | 22                     |
| 2551-17200        | 00000/0000 2-20030/0250                        | 07/26/76         | 20             | 7683                   | 5136N                                 | 10739W                                 | 50.4         | 133.8        | GGGG              |                     |                      | 41                      | 23                     |
| 2551-17203        | 00000/0000 2-20030/0251                        | 07/26/76         | 10             | 7683                   | 5012N                                 | 10820W                                 | 51.1         | 131.8        | GGGG              |                     |                      | 41                      | 24                     |
| 2551-17262        | 00000/0000 2-20030/0252                        | 07/26/76         | 70             | 7683                   | 3017N                                 | 11524W                                 | 56.2         | 100.7        | GGGG              |                     |                      | 41                      | 25                     |
| 2551-18532        | 2-20030/1898 00000/0000                        | 07/26/76         | 30             | 7684                   | 8040N                                 | 07007W                                 | 27.2         | 214.2        | GGG               |                     |                      | 41                      | 39                     |
| 2551-18535        | 2-20030/1899 00000/0000                        | 07/26/76         | 10             | 7684                   | 8008N                                 | 07817W                                 | 28.3         | 205.8        | GGG               |                     |                      | 41                      | 248                    |
| 2551-22243        | 00000/0000 2-20030/0245                        | 07/26/76         | 30             | 7686                   | 6922N                                 | 17036W                                 | 38.9         | 160.6        | GGGG              |                     |                      | 95                      | 1                      |
| 2552-01551        | 00000/0000 2-20030/0156                        | 07/27/76         | 50             | 7688                   | 5546N                                 | 12526E                                 | 48.1         | 139.7        | GGGG              |                     |                      | 131                     | 11                     |
| 2552-01565        | 00000/0000 2-20030/0181                        | 07/27/76         | 20             | 7688                   | 5010N                                 | 12235E                                 | 51.1         | 131.8        | GGGG              |                     |                      | 131                     | 21                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2552-01571        | 00000/0000                   | 2-20030/0182                | 07/27/76         | 20             | 7688            | 4846N                              | 12156E                              | 51.7         | 129.8        | GGGG                  |                     |                      | 131                     | 26                     |
| 2552-01574        | 00000/0000                   | 2-20030/0183                | 07/27/76         | 20             | 7688            | 4791N                              | 12119E                              | 52.3         | 127.7        | GGGG                  |                     |                      | 131                     | 27                     |
| 2552-01580        | 00000/0000                   | 2-20030/0184                | 07/27/76         | 10             | 7688            | 4555N                              | 12043E                              | 52.9         | 125.6        | GGGG                  |                     |                      | 131                     | 28                     |
| 2552-01583        | 00000/0000                   | 2-20030/0185                | 07/27/76         | 10             | 7688            | 4430N                              | 12009E                              | 53.4         | 123.5        | GGGG                  |                     |                      | 131                     | 29                     |
| 2552-01585        | 00000/0000                   | 2-20030/0186                | 07/27/76         | 0              | 7688            | 4306N                              | 11937E                              | 53.9         | 121.3        | GGGG                  |                     |                      | 131                     | 30                     |
| 2552-01592        | 00000/0000                   | 2-20030/0187                | 07/27/76         | 10             | 7688            | 4141N                              | 11906E                              | 54.4         | 119.1        | GGGG                  |                     |                      | 131                     | 31                     |
| 2552-01594        | 00000/0000                   | 2-20030/0188                | 07/27/76         | 10             | 7688            | 4015N                              | 11836E                              | 54.8         | 116.9        | GGGG                  |                     |                      | 131                     | 32                     |
| 2552-02001        | 00000/0000                   | 2-20030/0189                | 07/27/76         | 70             | 7688            | 3850N                              | 11807E                              | 55.1         | 114.6        | GGGG                  |                     |                      | 131                     | 33                     |
| 2552-02003        | 00000/0000                   | 2-20030/0190                | 07/27/76         | 80             | 7688            | 3725N                              | 11739E                              | 55.5         | 112.4        | GGGG                  |                     |                      | 131                     | 34                     |
| 2552-02010        | 00000/0000                   | 2-20030/0191                | 07/27/76         | 40             | 7688            | 3559N                              | 11712E                              | 55.7         | 110.1        | GGGG                  |                     |                      | 131                     | 35                     |
| 2552-03381        | 00000/0000                   | 2-20030/0255                | 07/27/76         | 30             | 7689            | 5641N                              | 10008E                              | 47.5         | 141.0        | GGGG                  |                     |                      | 149                     | 20                     |
| 2552-03383        | 00000/0000                   | 2-20030/0256                | 07/27/76         | 90             | 7689            | 5517N                              | 09919E                              | 48.3         | 139.0        | GGGG                  |                     |                      | 149                     | 21                     |
| 2552-03473        | 00000/0000                   | 2-20030/0254                | 07/27/76         | 60             | 7689            | 2429N                              | 08806E                              | 55.8         | 91.6         | G                     |                     |                      | 149                     | 43                     |
| 2552-03480        | 00000/0000                   | 2-20030/0257                | 07/27/76         | 70             | 7689            | 2303N                              | 08743E                              | 55.5         | 89.4         | GGGG                  |                     |                      | 149                     | 44                     |
| 2552-03482        | 00000/0000                   | 2-20030/0258                | 07/27/76         | 80             | 7689            | 2137N                              | 08720E                              | 55.2         | 87.2         | GGGG                  |                     |                      | 149                     | 45                     |
| 2552-05205        | 00000/0000                   | 2-20030/0259                | 07/27/76         | 30             | 7690            | 5832N                              | 07532E                              | 46.4         | 143.5        | GGGG                  |                     |                      | 167                     | 19                     |
| 2552-05212        | 00000/0000                   | 2-20030/0260                | 07/27/76         | 40             | 7690            | 5709N                              | 07439E                              | 47.2         | 141.6        | GGGG                  |                     |                      | 167                     | 20                     |
| 2552-05214        | 00000/0000                   | 2-20030/0261                | 07/27/76         | 50             | 7690            | 5546N                              | 07349E                              | 48.1         | 139.7        | GGGG                  |                     |                      | 167                     | 21                     |
| 2552-05221        | 00000/0000                   | 2-20030/0262                | 07/27/76         | 20             | 7690            | 5422N                              | 07301E                              | 48.9         | 137.7        | GGGG                  |                     |                      | 167                     | 22                     |
| 2552-05223        | 00000/0000                   | 2-20030/0263                | 07/27/76         | 20             | 7690            | 5258N                              | 07216E                              | 49.6         | 135.8        | GGGG                  |                     |                      | 167                     | 23                     |
| 2552-05230        | 00000/0000                   | 2-20030/0264                | 07/27/76         | 20             | 7690            | 5134N                              | 07134E                              | 50.3         | 133.8        | GGGG                  |                     |                      | 167                     | 24                     |
| 2552-05253        | 00000/0000                   | 2-20030/0269                | 07/27/76         | 10             | 7690            | 4305N                              | 06758E                              | 53.9         | 121.3        | G P                   |                     |                      | 167                     | 30                     |
| 2552-07032        | 00000/0000                   | 2-20030/0270                | 07/27/76         | 40             | 7691            | 6117N                              | 05141E                              | 44.6         | 147.5        | GG                    |                     |                      | 185                     | 17                     |
| 2552-07034        | 00000/0000                   | 2-20030/0271                | 07/27/76         | 70             | 7691            | 5954N                              | 05038E                              | 45.5         | 145.5        | GG                    |                     |                      | 185                     | 18                     |
| 2552-07041        | 00000/0000                   | 2-20030/0272                | 07/27/76         | 80             | 7691            | 5831N                              | 04941E                              | 46.4         | 143.5        | GG                    |                     |                      | 185                     | 19                     |
| 2552-07043        | 00000/0000                   | 2-20030/0273                | 07/27/76         | 70             | 7691            | 5708N                              | 04847E                              | 47.2         | 141.6        | GG                    |                     |                      | 185                     | 20                     |
| 2552-07075        | 00000/0000                   | 2-20030/0200                | 07/27/76         | 80             | 7691            | 4554N                              | 04314E                              | 52.9         | 125.6        | GGGG                  |                     |                      | 185                     | 28                     |
| 2552-07082        | 00000/0000                   | 2-20030/0201                | 07/27/76         | 40             | 7691            | 4429N                              | 04241E                              | 53.4         | 123.5        | GGGG                  |                     |                      | 185                     | 29                     |
| 2552-07084        | 00000/0000                   | 2-20030/0202                | 07/27/76         | 60             | 7691            | 4304N                              | 04209E                              | 53.9         | 121.4        | GGGG                  |                     |                      | 185                     | 30                     |
| 2552-08470        | 00000/0000                   | 2-20030/0265                | 07/27/76         | 70             | 7692            | 5957N                              | 02455E                              | 45.5         | 145.6        | GGGG                  |                     |                      | 203                     | 18                     |
| 2552-08472        | 00000/0000                   | 2-20030/0266                | 07/27/76         | 40             | 7692            | 5835N                              | 02357E                              | 46.3         | 143.6        | GGGG                  |                     |                      | 203                     | 19                     |
| 2552-08475        | 00000/0000                   | 2-20030/0267                | 07/27/76         | 20             | 7692            | 5712N                              | 02303E                              | 47.2         | 141.7        | GGGG                  |                     |                      | 203                     | 20                     |
| 2552-08481        | 00000/0000                   | 2-20030/0192                | 07/27/76         | 30             | 7692            | 5548N                              | 02213E                              | 48.0         | 139.8        | GGGG                  |                     |                      | 203                     | 21                     |
| 2552-08484        | 00000/0000                   | 2-20030/0193                | 07/27/76         | 40             | 7692            | 5424N                              | 02126E                              | 48.8         | 137.8        | GGGG                  |                     |                      | 203                     | 22                     |
| 2552-12394        | 00000/0000                   | 2-20030/0194                | 07/27/76         | 50             | 7694            | 3015S                              | 05417W                              | 23.7         | 47.9         | GGGG                  |                     |                      | 239                     | 81                     |
| 2552-12415        | 00000/0000                   | 2-20030/0195                | 07/27/76         | 10             | 7694            | 3726S                              | 05627W                              | 17.9         | 47.2         | FFFF                  |                     |                      | 239                     | 86                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2552-13580        | 00000/0000                   | 2-20030/0295                | 07/27/76         | 80             | 7695            | 5548N                              | 05513W                              | 48.0         | 139.8        |                   | GGGG        |                     |                      | 6                       | 21                     |
| 2552-13582        | 00000/0000                   | 2-20030/0296                | 07/27/76         | 80             | 7695            | 5424N                              | 05601W                              | 48.8         | 137.8        |                   | GGGG        |                     |                      | 6                       | 22                     |
| 2552-15430        | 00000/0000                   | 2-20030/0297                | 07/27/76         | 90             | 7696            | 5010N                              | 08400W                              | 50.9         | 131.9        |                   | GGGG        |                     |                      | 24                      | 25                     |
| 2552-17164        | 2-20030/1900                 | 00000/0000                  | 07/27/76         | 40             | 7697            | 7925N                              | 06105W                              | 29.2         | 198.2        | G                 |             |                     |                      | 42                      | 2                      |
| 2552-17170        | 2-20030/1901                 | 00000/0000                  | 07/27/76         | 10             | 7697            | 7834N                              | 06721W                              | 30.3         | 191.6        | G                 |             |                     |                      | 42                      | 3                      |
| 2552-17173        | 2-20030/1902                 | 00000/0000                  | 07/27/76         | 20             | 7697            | 7748N                              | 07244W                              | 31.4         | 185.8        | GG                |             |                     |                      | 42                      | 4                      |
| 2552-17250        | 00000/0000                   | 2-20030/0299                | 07/27/76         | 90             | 7697            | 5423N                              | 10739W                              | 48.7         | 137.8        |                   | GGGG        |                     |                      | 42                      | 22                     |
| 2552-17252        | 00000/0000                   | 2-20030/0300                | 07/27/76         | 90             | 7697            | 5259N                              | 10824W                              | 49.5         | 135.9        |                   | GGGG        |                     |                      | 42                      | 23                     |
| 2552-17255        | 00000/0000                   | 2-20030/0301                | 07/27/76         | 60             | 7697            | 5146N                              | 10906W                              | 50.2         | 133.9        |                   | GGGG        |                     |                      | 42                      | 24                     |
| 2552-17261        | 00000/0000                   | 2-20030/0302                | 07/27/76         | 60             | 7697            | 5011N                              | 10946W                              | 50.9         | 131.9        |                   | GGGG        |                     |                      | 42                      | 25                     |
| 2552-18590        | 2-20031/0001                 | 00000/0000                  | 07/27/76         | 50             | 7698            | 4041N                              | 07115W                              | 26.9         | 214.4        | GGG               |             |                     |                      | 42                      | 248                    |
| 2552-18593        | 2-20031/0002                 | 00000/0000                  | 07/27/76         | 20             | 7698            | 8009N                              | 07928W                              | 28.0         | 206.0        | GGG               |             |                     |                      | 60                      | 1                      |
| 2552-20460        | 00000/0000                   | 2-20030/0253                | 07/27/76         | 40             | 7699            | 7154N                              | 14154W                              | 36.7         | 166.1        |                   | GGGG        |                     |                      | 78                      | 9                      |
| 2552-22583        | 00000/0000                   | 2-20030/0196                | 07/27/76         | 90             | 7700            | 2722S                              | 15137E                              | 26.1         | 48.5         |                   | GGGG        |                     |                      | 96                      | 79                     |
| 2552-22585        | 00000/0000                   | 2-20030/0197                | 07/27/76         | 40             | 7700            | 2848S                              | 15113E                              | 24.9         | 48.2         |                   | GGGG        |                     |                      | 96                      | 80                     |
| 2552-22592        | 00000/0000                   | 2-20030/0198                | 07/27/76         | 10             | 7700            | 3015S                              | 15049E                              | 23.8         | 48.0         |                   | GGGG        |                     |                      | 96                      | 81                     |
| 2552-22594        | 00000/0000                   | 2-20030/0199                | 07/27/76         | 0              | 7700            | 3141S                              | 15024E                              | 22.6         | 47.8         |                   | GGGG        |                     |                      | 96                      | 82                     |
| 2553-02003        | 00000/0000                   | 2-20030/0268                | 07/28/76         | 10             | 7702            | 5711N                              | 12449E                              | 47.0         | 141.8        |                   | GGGG        |                     |                      | 132                     | 20                     |
| 2553-02030        | 00000/0000                   | 2-20030/0203                | 07/28/76         | 40             | 7702            | 4847N                              | 12028E                              | 51.5         | 130.0        |                   | GGGG        |                     |                      | 132                     | 26                     |
| 2553-02032        | 00000/0000                   | 2-20030/0204                | 07/28/76         | 30             | 7702            | 4723N                              | 11952E                              | 52.1         | 128.0        |                   | GGGG        |                     |                      | 132                     | 27                     |
| 2553-02035        | 00000/0000                   | 2-20030/0205                | 07/28/76         | 10             | 7702            | 4558N                              | 11917E                              | 52.7         | 125.9        |                   | GGGG        |                     |                      | 132                     | 28                     |
| 2553-02041        | 00000/0000                   | 2-20030/0206                | 07/28/76         | 20             | 7702            | 4433N                              | 11843E                              | 53.3         | 123.8        |                   | GGGG        |                     |                      | 132                     | 29                     |
| 2553-02044        | 00000/0000                   | 2-20030/0207                | 07/28/76         | 80             | 7702            | 4308N                              | 11810E                              | 53.8         | 121.6        |                   | GGGG        |                     |                      | 132                     | 30                     |
| 2553-02050        | 00000/0000                   | 2-20030/0208                | 07/28/76         | 80             | 7702            | 4143N                              | 11738E                              | 54.2         | 119.4        |                   | GGGG        |                     |                      | 132                     | 31                     |
| 2553-02053        | 00000/0000                   | 2-20030/0209                | 07/28/76         | 90             | 7702            | 4018N                              | 11708E                              | 54.6         | 117.2        |                   | GGGG        |                     |                      | 132                     | 32                     |
| 2553-02055        | 00000/0000                   | 2-20030/0210                | 07/28/76         | 100            | 7702            | 3852N                              | 11640E                              | 55.0         | 115.0        |                   | GGGG        |                     |                      | 132                     | 33                     |
| 2553-02062        | 00000/0000                   | 2-20030/0211                | 07/28/76         | 90             | 7702            | 3726N                              | 11612E                              | 55.3         | 112.7        |                   | GGGG        |                     |                      | 132                     | 34                     |
| 2553-02064        | 00000/0000                   | 2-20030/0212                | 07/28/76         | 80             | 7702            | 3601N                              | 11546E                              | 55.6         | 110.4        |                   | GGGG        |                     |                      | 132                     | 35                     |
| 2553-02071        | 00000/0000                   | 2-20030/0213                | 07/28/76         | 40             | 7702            | 3435N                              | 11520E                              | 55.8         | 108.1        |                   | GGGG        |                     |                      | 132                     | 36                     |
| 2553-03434        | 00000/0000                   | 2-20030/0344                | 07/28/76         | 60             | 7703            | 5711N                              | 09902E                              | 47.0         | 141.8        |                   | GGGF        |                     |                      | 150                     | 20                     |
| 2553-03441        | 00000/0000                   | 2-20030/0345                | 07/28/76         | 30             | 7703            | 5548N                              | 09811E                              | 47.8         | 139.8        |                   | GGGG        |                     |                      | 150                     | 21                     |
| 2553-03443        | 00000/0000                   | 2-20030/0214                | 07/28/76         | 80             | 7703            | 5424N                              | 09724E                              | 48.6         | 137.9        |                   | GGGG        |                     |                      | 150                     | 22                     |
| 2553-03450        | 00000/0000                   | 2-20030/0215                | 07/28/76         | 80             | 7703            | 5259N                              | 09640E                              | 49.4         | 136.0        |                   | GFBB        |                     |                      | 150                     | 23                     |
| 2553-03452        | 00000/0000                   | 2-20030/0216                | 07/28/76         | 70             | 7703            | 5135N                              | 09558E                              | 50.1         | 134.0        |                   | GGGG        |                     |                      | 150                     | 24                     |
| 2553-03525        | 00000/0000                   | 2-20030/0217                | 07/28/76         | 60             | 7703            | 2558N                              | 08703E                              | 55.9         | 94.3         |                   | GGGG        |                     |                      | 150                     | 42                     |
| 2553-03532        | 00000/0000                   | 2-20030/0218                | 07/28/76         | 80             | 7703            | 2432N                              | 08640E                              | 55.7         | 92.0         |                   | GGGG        |                     |                      | 150                     | 43                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANHSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN RSLT<br>RBV | RSLT NO./<br>MSG | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>REV MSG | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2553-05263        | 00000/0000                           | 2-20030/0219     | 07/28/76         | 40             | 7704            | 5834N                        | 07405E        | 46.2         | 143.7        | GGGG                  |                     |                      | 168                     | 19                     |
| 2553-05281        | 00000/0000                           | 2-20030/0220     | 07/28/76         | 30             | 7704            | 5300N                        | 07049E        | 49.4         | 136.0        | GGGG                  |                     |                      | 168                     | 23                     |
| 2553-05284        | 00000/0000                           | 2-20030/0221     | 07/28/76         | 10             | 7704            | 5135N                        | 07007E        | 50.1         | 134.0        | GGGG                  |                     |                      | 168                     | 24                     |
| 2553-05290        | 00000/0000                           | 2-20030/0222     | 07/28/76         | 30             | 7704            | 5011N                        | 06927E        | 50.8         | 132.0        | GGGG                  |                     |                      | 168                     | 25                     |
| 2553-05293        | 00000/0000                           | 2-20030/0223     | 07/28/76         | 50             | 7704            | 4846N                        | 06849E        | 51.5         | 130.0        | GGGG                  |                     |                      | 168                     | 26                     |
| 2553-05295        | 00000/0000                           | 2-20030/0224     | 07/28/76         | 40             | 7704            | 4722N                        | 06812E        | 52.1         | 128.0        | GGGF                  |                     |                      | 168                     | 27                     |
| 2553-05302        | 00000/0000                           | 2-20030/0225     | 07/28/76         | 10             | 7704            | 4557N                        | 06737E        | 52.7         | 125.9        | GGGF                  |                     |                      | 168                     | 28                     |
| 2553-05304        | 00000/0000                           | 2-20030/0226     | 07/28/76         | 30             | 7704            | 4432N                        | 06704E        | 53.2         | 123.8        | GGGG                  |                     |                      | 168                     | 29                     |
| 2553-05343        | 00000/0000                           | 2-20030/0227     | 07/28/76         | 0              | 7704            | 3142N                        | 06249E        | 56.0         | 103.5        | GGGG                  |                     |                      | 168                     | 38                     |
| 2553-05345        | 00000/0000                           | 2-20030/0228     | 07/28/76         | 0              | 7704            | 3016N                        | 06224E        | 56.1         | 101.2        | GGGG                  |                     |                      | 168                     | 39                     |
| 2553-05352        | 00000/0000                           | 2-20030/0229     | 07/28/76         | 0              | 7704            | 2850N                        | 06200E        | 56.1         | 98.9         | GGGG                  |                     |                      | 168                     | 40                     |
| 2553-05354        | 00000/0000                           | 2-20030/0230     | 07/28/76         | 10             | 7704            | 2723N                        | 06137E        | 56.0         | 96.6         | GGGG                  |                     |                      | 168                     | 41                     |
| 2553-05361        | 00000/0000                           | 2-20030/0231     | 07/28/76         | 50             | 7704            | 2557N                        | 06114E        | 55.9         | 94.3         | GGGG                  |                     |                      | 168                     | 42                     |
| 2553-07092        | 00000/0000                           | 2-20030/0346     | 07/28/76         | 20             | 7705            | 6000N                        | 04920E        | 45.2         | 145.7        | GGGG                  |                     |                      | 186                     | 18                     |
| 2553-07095        | 00000/0000                           | 2-20030/0347     | 07/28/76         | 30             | 7705            | 5837N                        | 04821E        | 46.1         | 143.8        | GGGG                  |                     |                      | 186                     | 19                     |
| 2553-07101        | 00000/0000                           | 2-20030/0348     | 07/28/76         | 20             | 7705            | 5714N                        | 04727E        | 47.0         | 141.9        | GGGG                  |                     |                      | 186                     | 20                     |
| 2553-07104        | 00000/0000                           | 2-20030/0349     | 07/28/76         | 20             | 7705            | 5550N                        | 04637E        | 47.8         | 139.9        | GGGG                  |                     |                      | 186                     | 21                     |
| 2553-07110        | 00000/0000                           | 2-20030/0232     | 07/28/76         | 30             | 7705            | 5426N                        | 04549E        | 48.6         | 138.0        | GGGG                  |                     |                      | 186                     | 22                     |
| 2553-07113        | 00000/0000                           | 2-20030/0233     | 07/28/76         | 30             | 7705            | 5303N                        | 04505E        | 49.3         | 136.1        | GGGG                  |                     |                      | 186                     | 23                     |
| 2553-07115        | 00000/0000                           | 2-20030/0234     | 07/28/76         | 10             | 7705            | 5139N                        | 04422E        | 50.1         | 134.1        | GGGG                  |                     |                      | 186                     | 24                     |
| 2553-07122        | 00000/0000                           | 2-20030/0235     | 07/28/76         | 70             | 7705            | 5014N                        | 04342E        | 50.8         | 132.1        | GGGG                  |                     |                      | 186                     | 25                     |
| 2553-07124        | 00000/0000                           | 2-20030/0236     | 07/28/76         | 40             | 7705            | 4849N                        | 04303E        | 51.4         | 130.1        | GGGG                  |                     |                      | 186                     | 26                     |
| 2553-07131        | 00000/0000                           | 2-20030/0237     | 07/28/76         | 30             | 7705            | 4725N                        | 04226E        | 52.1         | 128.1        | GGGG                  |                     |                      | 186                     | 27                     |
| 2553-07133        | 00000/0000                           | 2-20030/0238     | 07/28/76         | 50             | 7705            | 4600N                        | 04152E        | 52.7         | 126.0        | GGGG                  |                     |                      | 186                     | 28                     |
| 2553-07140        | 00000/0000                           | 2-20030/0239     | 07/28/76         | 50             | 7705            | 4435N                        | 04118E        | 53.2         | 123.9        | GGGG                  |                     |                      | 186                     | 29                     |
| 2553-07154        | 00000/0000                           | 2-20030/0240     | 07/28/76         | 0              | 7705            | 3844N                        | 03916E        | 54.9         | 115.1        | GGGG                  |                     |                      | 186                     | 33                     |
| 2553-07160        | 00000/0000                           | 2-20030/0241     | 07/28/76         | 0              | 7705            | 3728N                        | 03848E        | 55.3         | 112.9        | GGGG                  |                     |                      | 186                     | 34                     |
| 2553-07163        | 00000/0000                           | 2-20030/0242     | 07/28/76         | 0              | 7705            | 3602N                        | 03820E        | 55.5         | 110.6        | GGGG                  |                     |                      | 186                     | 35                     |
| 2553-07240        | 00000/0000                           | 2-20030/0243     | 07/28/76         | 20             | 7705            | 1009N                        | 03131E        | 51.3         | 72.3         | GGGG                  |                     |                      | 186                     | 53                     |
| 2553-07242        | 00000/0000                           | 2-20030/0244     | 07/28/76         | 10             | 7705            | 0843N                        | 03110E        | 50.6         | 70.7         | GGGG                  |                     |                      | 186                     | 54                     |
| 2553-08533        | 00000/0000                           | 2-20030/0350     | 07/28/76         | 60             | 7706            | 5713N                        | 02136E        | 47.0         | 141.9        | GGGG                  |                     |                      | 204                     | 20                     |
| 2553-08535        | 00000/0000                           | 2-20030/0351     | 07/28/76         | 80             | 7706            | 5550N                        | 02046E        | 47.8         | 139.9        | GGGG                  |                     |                      | 204                     | 21                     |
| 2553-08542        | 00000/0000                           | 2-20030/0352     | 07/28/76         | 90             | 7706            | 5427N                        | 01958E        | 48.6         | 138.0        | GGGG                  |                     |                      | 204                     | 22                     |
| 2553-10300        | 00000/0000                           | 2-20030/0304     | 07/28/76         | 90             | 7707            | 7742N                        | 02928E        | 31.2         | 186.2        | G G                   |                     |                      | 222                     | 4                      |
| 2553-10303        | 00000/0000                           | 2-20030/0305     | 07/28/76         | 90             | 7707            | 7640N                        | 02447E        | 32.3         | 181.1        | GGGG                  |                     |                      | 222                     | 5                      |
| 2553-10305        | 00000/0000                           | 2-20030/0306     | 07/28/76         | 90             | 7707            | 7534N                        | 02045E        | 33.3         | 176.7        | GGGG                  |                     |                      | 222                     | 6                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RSTV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2553-12121        | 00000/0000                                     | 2-20030/0307     | 07/28/76       | 100             | 7708                               | 8010N                               | 02232E       | 27.8         | 206.1                               |                     |                      |                         | 1                      |
| 2553-12123        | 00000/0000                                     | 2-20030/0308     | 07/28/76       | 90              | 7708                               | 7929N                               | 01516E       | 29.0         | 198.6                               | GGGG                |                      | 240                     | 2                      |
| 2553-12130        | 00000/0000                                     | 2-20030/0309     | 07/28/76       | 50              | 7708                               | 7839N                               | 00453E       | 30.1         | 191.9                               | GGGG                |                      | 240                     | 3                      |
| 2553-12132        | 00000/0000                                     | 2-20030/0310     | 07/28/76       | 90              | 7708                               | 7742N                               | 00324E       | 31.2         | 186.1                               | GGGG                |                      | 240                     | 4                      |
| 2553-12135        | 00000/0000                                     | 2-20030/0311     | 07/28/76       | 90              | 7708                               | 7640N                               | 00113W       | 32.2         | 181.1                               | GGGG                |                      | 240                     | 5                      |
| 2553-12471        | 00000/0000                                     | 2-20030/0312     | 07/28/76       | 90              | 7708                               | 3558S                               | 05725W       | 19.2         | 47.4                                | GGGG                |                      | 240                     | 85                     |
| 2553-12473        | 00000/0000                                     | 2-20030/0313     | 07/28/76       | 40              | 7708                               | 3724S                               | 05752W       | 18.1         | 47.3                                | GGGG                |                      | 240                     | 86                     |
| 2553-12480        | 00000/0000                                     | 2-20030/0314     | 07/28/76       | 70              | 7708                               | 3850S                               | 05A20W       | 16.9         | 47.3                                | GGGG                |                      | 240                     | 87                     |
| 2553-14032        | 00000/0000                                     | 2-20030/0161     | 07/28/76       | 90              | 7709                               | 5712N                               | 05550W       | 46.9         | 141.8                               | GG                  |                      | 7                       | 20                     |
| 2553-14034        | 00000/0000                                     | 2-20030/0162     | 07/28/76       | 80              | 7709                               | 5550N                               | 05440W       | 47.7         | 139.9                               | GGGG                |                      | 7                       | 21                     |
| 2553-14041        | 00000/0000                                     | 2-20030/0163     | 07/28/76       | 80              | 7709                               | 5426N                               | 05728W       | 48.5         | 138.0                               | GGGG                |                      | 7                       | 22                     |
| 2553-17213        | 2-20031/0003                                   | 00000/0000       | 07/28/76       | 0               | 7711                               | 8038N                               | 04720W       | 26.7         | 213.9                               | GGG                 |                      | 25                      | 248                    |
| 2553-17222        | 2-20031/0004                                   | 00000/0000       | 07/28/76       | 0               | 7711                               | 7924N                               | 06240W       | 29.0         | 198.0                               | GG                  |                      | 43                      | 2                      |
| 2553-17225        | 2-20031/0005                                   | 00000/0000       | 07/28/76       | 0               | 7711                               | 7834N                               | 06R58W       | 30.1         | 191.5                               | GGG                 |                      | 43                      | 3                      |
| 2553-17231        | 2-20031/0006                                   | 00000/0000       | 07/28/76       | 0               | 7711                               | 7737N                               | 07422W       | 31.2         | 185.7                               | GGG                 |                      | 43                      | 4                      |
| 2553-17304        | 00000/0000                                     | 2-20030/0157     | 07/28/76       | 90              | 7711                               | 5425N                               | 10905W       | 48.5         | 138.0                               |                     | GGGG                 | 43                      | 22                     |
| 2553-17310        | 00000/0000                                     | 2-20030/0158     | 07/28/76       | 60              | 7711                               | 5301N                               | 10950W       | 49.3         | 136.1                               |                     | GGGG                 | 43                      | 23                     |
| 2553-17313        | 00000/0000                                     | 2-20030/0159     | 07/28/76       | 10              | 7711                               | 5137N                               | 11031W       | 50.0         | 134.1                               |                     | GGGG                 | 43                      | 24                     |
| 2553-17315        | 00000/0000                                     | 2-20030/0160     | 07/28/76       | 10              | 7711                               | 5012N                               | 11112W       | 50.7         | 132.2                               |                     | GGGG                 | 43                      | 25                     |
| 2553-19045        | 2-20031/0007                                   | 00000/0000       | 07/28/76       | 30              | 7712                               | 8040N                               | 07311W       | 26.7         | 213.9                               | GGG                 |                      | 43                      | 248                    |
| 2553-19051        | 2-20031/0008                                   | 00000/0000       | 07/28/76       | 20              | 7712                               | 8008N                               | 08117W       | 27.9         | 205.5                               | G                   |                      | 61                      | 1                      |
| 2553-23041        | 00000/0000                                     | 2-20030/0315     | 07/28/76       | 70              | 7714                               | 2721S                               | 15010E       | 26.3         | 48.7                                |                     | GGGG                 | 97                      | 79                     |
| 2554-00282        | 00000/0000                                     | 2-20030/0353     | 07/29/76       | 70              | 7715                               | 3833N                               | 14106E       | 54.8         | 115.3                               |                     | GGGG                 | 115                     | 33                     |
| 2554-00284        | 00000/0000                                     | 2-20030/0354     | 07/29/76       | 60              | 7715                               | 3727N                               | 14038E       | 55.2         | 113.1                               |                     | GGGG                 | 115                     | 34                     |
| 2554-00291        | 00000/0000                                     | 2-20030/0355     | 07/29/76       | 30              | 7715                               | 3602N                               | 14011E       | 55.4         | 110.8                               |                     | GGGG                 | 115                     | 35                     |
| 2554-00293        | 00000/0000                                     | 2-20030/0356     | 07/29/76       | 20              | 7715                               | 3436N                               | 13945E       | 55.6         | 108.5                               |                     | GGGG                 | 115                     | 36                     |
| 2554-00300        | 00000/0000                                     | 2-20030/0357     | 07/29/76       | 10              | 7715                               | 3310N                               | 13920E       | 55.8         | 106.2                               |                     | GGGG                 | 115                     | 37                     |
| 2554-02061        | 00000/0000                                     | 2-20030/0358     | 07/29/76       | 80              | 7716                               | 5713N                               | 12328E       | 46.8         | 141.9                               |                     | GGGG                 | 133                     | 20                     |
| 2554-02081        | 00000/0000                                     | 2-20030/0359     | 07/29/76       | 100             | 7716                               | 5014N                               | 11943E       | 50.6         | 132.2                               |                     | GGGG                 | 133                     | 25                     |
| 2554-02102        | 00000/0000                                     | 2-20030/0316     | 07/29/76       | 80              | 7716                               | 4310N                               | 11446E       | 53.6         | 121.9                               |                     | GGGG                 | 133                     | 30                     |
| 2554-02104        | 00000/0000                                     | 2-20030/0317     | 07/29/76       | 50              | 7716                               | 4145N                               | 11616E       | 54.0         | 119.8                               |                     | GGGG                 | 133                     | 31                     |
| 2554-02111        | 00000/0000                                     | 2-20030/0318     | 07/29/76       | 40              | 7716                               | 4020N                               | 11546E       | 54.4         | 117.6                               |                     | GGGG                 | 133                     | 32                     |
| 2554-02113        | 00000/0000                                     | 2-20030/0319     | 07/29/76       | 40              | 7716                               | 3853N                               | 11516E       | 54.8         | 115.3                               |                     | GGGG                 | 133                     | 33                     |
| 2554-02120        | 00000/0000                                     | 2-20030/0320     | 07/29/76       | 70              | 7716                               | 3729N                               | 11448E       | 55.1         | 113.1                               |                     | GGGG                 | 133                     | 34                     |
| 2554-02122        | 00000/0000                                     | 2-20030/0321     | 07/29/76       | 10              | 7716                               | 3622N                               | 11421E       | 55.4         | 110.8                               |                     | GGGG                 | 133                     | 35                     |
| 2554-02125        | 00000/0000                                     | 2-20030/0322     | 07/29/76       | 10              | 7716                               | 3436N                               | 11355E       | 55.6         | 108.5                               |                     | GGGG                 | 133                     | 36                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2554-03490        | 00000/0000                   | 2-20030/0323                | 07/29/76         | 10             | 7717             | 5836N                              | 09829E                              | 45.9         | 143.8        | F                                  |                     |                      | 151                     | 19                     |
| 2554-03492        | 00000/0000                   | 2-20030/0324                | 07/29/76         | 50             | 7717             | 5713N                              | 09735E                              | 46.8         | 141.9        | GGGG                               |                     |                      | 151                     | 20                     |
| 2554-03495        | 00000/0000                   | 2-20030/0325                | 07/29/76         | 70             | 7717             | 5549N                              | 09645E                              | 47.6         | 140.0        | GGGG                               |                     |                      | 151                     | 21                     |
| 2554-03501        | 00000/0000                   | 2-20030/0326                | 07/29/76         | 90             | 7717             | 5426N                              | 09557E                              | 48.4         | 138.1        | GGGG                               |                     |                      | 151                     | 22                     |
| 2554-03504        | 00000/0000                   | 2-20030/0327                | 07/29/76         | 90             | 7717             | 5301N                              | 09512E                              | 49.2         | 136.2        | GGGG                               |                     |                      | 151                     | 23                     |
| 2554-03510        | 00000/0000                   | 2-20030/0328                | 07/29/76         | 60             | 7717             | 5177N                              | 09430E                              | 49.9         | 134.2        | GGGG                               |                     |                      | 151                     | 24                     |
| 2554-05321        | 00000/0000                   | 2-20030/0329                | 07/29/76         | 10             | 7718             | 5836N                              | 07243E                              | 45.9         | 143.8        | GGGG                               |                     |                      | 169                     | 19                     |
| 2554-05324        | 00000/0000                   | 2-20030/0330                | 07/29/76         | 30             | 7718             | 5713N                              | 07149E                              | 46.8         | 141.9        | GGGG                               |                     |                      | 169                     | 20                     |
| 2554-05330        | 00000/0000                   | 2-20030/0331                | 07/29/76         | 20             | 7718             | 5549N                              | 07058E                              | 47.6         | 140.0        | GGGG                               |                     |                      | 169                     | 21                     |
| 2554-05333        | 00000/0000                   | 2-20030/0332                | 07/29/76         | 20             | 7718             | 5426N                              | 07010E                              | 48.4         | 138.1        | GGGG                               |                     |                      | 169                     | 22                     |
| 2554-05335        | 00000/0000                   | 2-20030/0333                | 07/29/76         | 30             | 7718             | 5301N                              | 06926E                              | 49.2         | 136.2        | GGGG                               |                     |                      | 169                     | 23                     |
| 2554-05342        | 00000/0000                   | 2-20030/0334                | 07/29/76         | 10             | 7718             | 5177N                              | 06843E                              | 49.9         | 134.2        | GGGG                               |                     |                      | 169                     | 24                     |
| 2554-05344        | 00000/0000                   | 2-20030/0335                | 07/29/76         | 10             | 7718             | 5013N                              | 06803E                              | 50.6         | 132.3        | GGGG                               |                     |                      | 169                     | 25                     |
| 2554-05351        | 00000/0000                   | 2-20030/0336                | 07/29/76         | 10             | 7718             | 4849N                              | 06725E                              | 51.3         | 130.3        | GGGG                               |                     |                      | 169                     | 26                     |
| 2554-05353        | 00000/0000                   | 2-20030/0337                | 07/29/76         | 10             | 7718             | 4725N                              | 06648E                              | 51.9         | 128.2        | GGGG                               |                     |                      | 169                     | 27                     |
| 2554-05360        | 00000/0000                   | 2-20030/0338                | 07/29/76         | 0              | 7718             | 4559N                              | 06613E                              | 52.5         | 126.2        | GGGG                               |                     |                      | 169                     | 28                     |
| 2554-05362        | 00000/0000                   | 2-20030/0339                | 07/29/76         | 0              | 7718             | 4433N                              | 06540E                              | 53.0         | 124.1        | GGGG                               |                     |                      | 169                     | 29                     |
| 2554-07153        | 00000/0000                   | 2-20030/0340                | 07/29/76         | 40             | 7719             | 5836N                              | 04654E                              | 45.9         | 143.9        | GGGG                               |                     |                      | 187                     | 19                     |
| 2554-07294        | 00000/0000                   | 2-20030/0167                | 07/29/76         | 70             | 7719             | 1008N                              | 03003E                              | 51.3         | 72.7         | GGGG                               |                     |                      | 187                     | 53                     |
| 2554-14090        | 00000/0000                   | 2-20030/0164                | 07/29/76         | 90             | 7723             | 5714N                              | 05714W                              | 46.7         | 142.0        | GGGG                               |                     |                      | 8                       | 20                     |
| 2554-14092        | 00000/0000                   | 2-20030/0165                | 07/29/76         | 90             | 7723             | 5551N                              | 05805W                              | 47.5         | 140.1        | GGGG                               |                     |                      | 8                       | 21                     |
| 2554-14095        | 00000/0000                   | 2-20030/0166                | 07/29/76         | 90             | 7723             | 5427N                              | 05853W                              | 48.3         | 138.2        | GGGG                               |                     |                      | 8                       | 22                     |
| 2554-17271        | 2-20031/0009                 | 00000/0000                  | 07/29/76         | 30             | 7725             | 8040N                              | 04835W                              | 26.5         | 214.1        | GGG                                |                     |                      | 26                      | 248                    |
| 2554-17274        | 2-20031/0010                 | 00000/0000                  | 07/29/76         | 10             | 7725             | 8008N                              | 05641W                              | 27.6         | 205.7        | GGG                                |                     |                      | 44                      | 1                      |
| 2554-17280        | 2-20031/0011                 | 00000/0000                  | 07/29/76         | 0              | 7725             | 7926N                              | 06855W                              | 28.7         | 198.2        | GGG                                |                     |                      | 44                      | 2                      |
| 2554-17283        | 2-20031/0012                 | 00000/0000                  | 07/29/76         | 0              | 7725             | 7836N                              | 07014W                              | 29.8         | 191.6        | GGG                                |                     |                      | 44                      | 3                      |
| 2554-17285        | 2-20031/0013                 | 00000/0000                  | 07/29/76         | 10             | 7725             | 7739N                              | 07538W                              | 30.9         | 185.9        | GG                                 |                     |                      | 44                      | 4                      |
| 2554-17362        | 00000/0000                   | 2-20030/0340                | 07/29/76         | 90             | 7725             | 5427N                              | 11031W                              | 48.3         | 138.2        | GGG                                |                     |                      | 44                      | 22                     |
| 2554-17365        | 00000/0000                   | 2-20030/0341                | 07/29/76         | 90             | 7725             | 5303N                              | 11115W                              | 49.0         | 136.3        | GGGG                               |                     |                      | 44                      | 23                     |
| 2554-17371        | 00000/0000                   | 2-20030/0342                | 07/29/76         | 90             | 7725             | 5140N                              | 11158W                              | 49.8         | 134.4        | GGGG                               |                     |                      | 44                      | 24                     |
| 2554-17374        | 00000/0000                   | 2-20030/0343                | 07/29/76         | 100            | 7725             | 5016N                              | 11238W                              | 50.5         | 132.4        | GGGG                               |                     |                      | 44                      | 25                     |
| 2554-19103        | 2-20031/0014                 | 00000/0000                  | 07/29/76         | 40             | 7726             | 8042N                              | 07342W                              | 26.4         | 214.8        | GGG                                |                     |                      | 50                      | 247                    |
| 2554-19105        | 2-20031/0015                 | 00000/0000                  | 07/29/76         | 70             | 7726             | 8010N                              | 08156W                              | 27.5         | 206.3        | GG                                 |                     |                      | 62                      | 1                      |
| 2554-23122        | 00000/0000                   | 2-20030/0361                | 07/29/76         | 90             | 7728             | 3559S                              | 14614E                              | 19.5         | 47.6         | GGGG                               |                     |                      | 98                      | 85                     |
| 2555-02140        | 00000/0000                   | 2-20030/0362                | 07/30/76         | 100            | 7730             | 5012N                              | 11815E                              | 50.4         | 132.4        | FGGG                               |                     |                      | 134                     | 25                     |
| 2555-02163        | 00000/0000                   | 2-20030/0363                | 07/30/76         | 30             | 7730             | 4143N                              | 11449E                              | 53.9         | 120.0        | FGGG                               |                     |                      | 134                     | 31                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI<br>POSITION IN RELI<br>RBV | RELI NR./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|-------------------------------------------|------------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2555-02165        | 00000/0000                                | 2-20030/0403     | 07/30/76         | 60             | 7730                   | 4018N                              | 11419E                              | 54.3         | 117.8        | GGGG                  |                     |                      |                         |                        |
| 2555-02172        | 00000/0000                                | 2-20030/0404     | 07/30/76         | 80             | 7730                   | 3853N                              | 11351E                              | 54.7         | 115.6        | GGGG                  |                     |                      | 134                     | 32                     |
| 2555-02174        | 00000/0000                                | 2-20030/0405     | 07/30/76         | 90             | 7730                   | 3727N                              | 11322E                              | 55.0         | 113.4        | GGGG                  |                     |                      | 134                     | 33                     |
| 2555-02181        | 00000/0000                                | 2-20030/0406     | 07/30/76         | 40             | 7730                   | 3601N                              | 11255E                              | 55.3         | 111.1        | GGGG                  |                     |                      | 134                     | 34                     |
| 2555-02183        | 00000/0000                                | 2-20030/0407     | 07/30/76         | 10             | 7730                   | 3435N                              | 11228E                              | 55.5         | 108.8        | GGGG                  |                     |                      | 134                     | 35                     |
| 2555-03544        | 00000/0000                                | 2-20030/0566     | 07/30/76         | 90             | 7731                   | 5835N                              | 09703E                              | 45.7         | 143.9        | GGG                   |                     |                      | 134                     | 36                     |
| 2555-03551        | 00000/0000                                | 2-20030/0567     | 07/30/76         | 10             | 7731                   | 5713N                              | 09609E                              | 46.6         | 142.0        | GGGG                  |                     |                      | 152                     | 19                     |
| 2555-03553        | 00000/0000                                | 2-20030/0568     | 07/30/76         | 20             | 7731                   | 5549N                              | 09518E                              | 47.4         | 140.1        | GGGG                  |                     |                      | 152                     | 20                     |
| 2555-03560        | 00000/0000                                | 2-20030/0569     | 07/30/76         | 50             | 7731                   | 5425N                              | 09431E                              | 48.2         | 138.2        | GGGG                  |                     |                      | 152                     | 21                     |
| 2555-03562        | 00000/0000                                | 2-20030/0570     | 07/30/76         | 40             | 7731                   | 5300N                              | 09346E                              | 49.0         | 136.3        | GGGG                  |                     |                      | 152                     | 22                     |
| 2555-03565        | 00000/0000                                | 2-20030/0571     | 07/30/76         | 50             | 7731                   | 5135N                              | 09304E                              | 49.7         | 134.4        | GGGG                  |                     |                      | 152                     | 23                     |
| 2555-03580        | 00000/0000                                | 2-20030/0572     | 07/30/76         | 50             | 7732                   | 5838N                              | 07119E                              | 45.7         | 144.0        | GGGG                  |                     |                      | 152                     | 24                     |
| 2555-03582        | 00000/0000                                | 2-20030/0573     | 07/30/76         | 10             | 7732                   | 5715N                              | 07024E                              | 46.5         | 142.1        | GGGG                  |                     |                      | 170                     | 19                     |
| 2555-03585        | 00000/0000                                | 2-20030/0574     | 07/30/76         | 20             | 7732                   | 5552N                              | 06933E                              | 47.4         | 140.2        | GGGG                  |                     |                      | 170                     | 20                     |
| 2555-03591        | 00000/0000                                | 2-20030/0575     | 07/30/76         | 10             | 7732                   | 5428N                              | 06845E                              | 48.1         | 138.3        | GGGG                  |                     |                      | 170                     | 21                     |
| 2555-03594        | 00000/0000                                | 2-20030/0576     | 07/30/76         | 10             | 7732                   | 5304N                              | 06800E                              | 48.9         | 136.4        | GGGG                  |                     |                      | 170                     | 22                     |
| 2555-05400        | 00000/0000                                | 2-20030/0577     | 07/30/76         | 10             | 7732                   | 5139N                              | 06718E                              | 49.7         | 134.5        | GGGG                  |                     |                      | 170                     | 23                     |
| 2555-05403        | 00000/0000                                | 2-20030/0578     | 07/30/76         | 10             | 7732                   | 5015N                              | 06638E                              | 50.4         | 132.5        | GGGG                  |                     |                      | 170                     | 24                     |
| 2555-05405        | 00000/0000                                | 2-20030/0579     | 07/30/76         | 20             | 7732                   | 4850N                              | 06600E                              | 51.0         | 130.5        | GGGG                  |                     |                      | 170                     | 25                     |
| 2555-05412        | 00000/0000                                | 2-20030/0580     | 07/30/76         | 20             | 7732                   | 4726N                              | 06524E                              | 51.7         | 128.5        | GGGG                  |                     |                      | 170                     | 26                     |
| 2555-05414        | 00000/0000                                | 2-20030/0581     | 07/30/76         | 40             | 7732                   | 4601N                              | 06448E                              | 52.3         | 126.5        | GGGG                  |                     |                      | 170                     | 27                     |
| 2555-05444        | 00000/0000                                | 2-20030/0582     | 07/30/76         | 10             | 7732                   | 3604N                              | 06117E                              | 55.2         | 111.2        | GGGG                  |                     |                      | 170                     | 28                     |
| 2555-05450        | 00000/0000                                | 2-20030/0583     | 07/30/76         | 0              | 7732                   | 3438N                              | 06051E                              | 55.5         | 108.9        | GGGG                  |                     |                      | 170                     | 35                     |
| 2555-05453        | 00000/0000                                | 2-20030/0584     | 07/30/76         | 0              | 7732                   | 3311N                              | 06025E                              | 55.7         | 106.7        | GGGG                  |                     |                      | 170                     | 36                     |
| 2555-05462        | 00000/0000                                | 2-20030/0585     | 07/30/76         | 0              | 7732                   | 3020N                              | 05935E                              | 55.8         | 102.0        | GGGG                  |                     |                      | 170                     | 37                     |
| 2555-07205        | 00000/0000                                | 2-20030/0586     | 07/30/76         | 40             | 7733                   | 6000N                              | 04626E                              | 44.8         | 145.9        | GGGG                  |                     |                      | 170                     | 39                     |
| 2555-07214        | 00000/0000                                | 2-20030/0587     | 07/30/76         | 50             | 7733                   | 5715N                              | 04434E                              | 46.5         | 142.1        | GGGG                  |                     |                      | 188                     | 18                     |
| 2555-07220        | 00000/0000                                | 2-20030/0588     | 07/30/76         | 30             | 7733                   | 5551N                              | 04344E                              | 47.3         | 140.2        | GGGG                  |                     |                      | 188                     | 20                     |
| 2555-07223        | 00000/0000                                | 2-20030/0589     | 07/30/76         | 20             | 7733                   | 5427N                              | 04256E                              | 48.1         | 138.3        | GGGG                  |                     |                      | 188                     | 21                     |
| 2555-07225        | 00000/0000                                | 2-20030/0590     | 07/30/76         | 20             | 7733                   | 5303N                              | 04212E                              | 48.9         | 136.4        | GGGG                  |                     |                      | 188                     | 22                     |
| 2555-07232        | 00000/0000                                | 2-20030/0591     | 07/30/76         | 10             | 7733                   | 5139N                              | 04129E                              | 49.6         | 134.5        | GGGG                  |                     |                      | 188                     | 23                     |
| 2555-07234        | 00000/0000                                | 2-20030/0592     | 07/30/76         | 10             | 7733                   | 5015N                              | 04049E                              | 50.4         | 132.5        | GGGG                  |                     |                      | 188                     | 24                     |
| 2555-07241        | 00000/0000                                | 2-20030/0593     | 07/30/76         | 10             | 7733                   | 4850N                              | 04010E                              | 51.0         | 130.5        | GGGG                  |                     |                      | 188                     | 25                     |
| 2555-07243        | 00000/0000                                | 2-20030/0594     | 07/30/76         | 20             | 7733                   | 4726N                              | 03934E                              | 51.7         | 128.5        | GGGG                  |                     |                      | 188                     | 26                     |
| 2555-07250        | 00000/0000                                | 2-20030/0595     | 07/30/76         | 20             | 7733                   | 4601N                              | 03859E                              | 52.3         | 126.5        | GGGG                  |                     |                      | 188                     | 27                     |
| 2555-07252        | 00000/0000                                | 2-20030/0596     | 07/30/76         | 60             | 7733                   | 4436N                              | 03826E                              | 52.8         | 124.4        | GGGG                  |                     |                      | 188                     | 28                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK, NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICHIGAN<br>POSITION<br>RBY | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBY<br>NUMBER |
|-------------------|-----------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2555-07291        | 00000/0000                  | 2-20030/0455                | 07/30/76         | 10             | 7733            | 3145N                                   | 03410E       | 55.8         | 104.4                              | GGFG                |                      | 188                     | 38                     |
| 2555-07350        | 00000/0000                  | 2-20030/0456                | 07/30/76         | 60             | 7733            | 1136N                                   | 02859E       | 52.0         | 74.8                               | GGGG                |                      | 188                     | 52                     |
| 2555-10413        | 00000/0000                  | 2-20030/0465                | 07/30/76         | 90             | 7735            | 7742N                                   | 02635E       | 30.7         | 186.2                              | GGGG                |                      | 224                     | 4                      |
| 2555-10415        | 00000/0000                  | 2-20030/0466                | 07/30/76         | 100            | 7735            | 7640N                                   | 02154E       | 31.8         | 181.2                              | GGGG                |                      | 224                     | 5                      |
| 2555-12233        | 00000/0000                  | 2-20030/0467                | 07/30/76         | 90             | 7736            | 8010N                                   | 01948E       | 27.3         | 206.2                              | GGGG                |                      | 242                     | 1                      |
| 2555-12240        | 00000/0000                  | 2-20030/0468                | 07/30/76         | 90             | 7736            | 7928N                                   | 01230E       | 28.5         | 198.6                              | GGGG                |                      | 242                     | 2                      |
| 2555-12242        | 00000/0000                  | 2-20030/0469                | 07/30/76         | 90             | 7736            | 7839N                                   | 00408E       | 29.6         | 192.0                              | FGGG                |                      | 242                     | 3                      |
| 2555-12245        | 00000/0000                  | 2-20030/0470                | 07/30/76         | 90             | 7736            | 7742N                                   | 00038E       | 30.7         | 186.2                              | GGGG                |                      | 242                     | 4                      |
| 2555-12251        | 00000/0000                  | 2-20030/0471                | 07/30/76         | 70             | 7736            | 7640N                                   | 00402W       | 31.8         | 181.1                              | GGGG                |                      | 242                     | 5                      |
| 2555-12581        | 00000/0000                  | 2-20030/0472                | 07/30/76         | 90             | 7736            | 3433S                                   | 05451W       | 20.8         | 47.8                               | GGGG                |                      | 242                     | 84                     |
| 2555-12590        | 00000/0000                  | 2-20030/0473                | 07/30/76         | 50             | 7736            | 3725S                                   | 06045W       | 18.4         | 47.6                               | FGGG                |                      | 242                     | 86                     |
| 2555-12592        | 00000/0000                  | 2-20030/0474                | 07/30/76         | 80             | 7736            | 3850S                                   | 06113W       | 17.3         | 47.6                               | GGGG                |                      | 242                     | 87                     |
| 2555-12595        | 00000/0000                  | 2-20030/0475                | 07/30/76         | 80             | 7736            | 4015S                                   | 06142W       | 16.1         | 47.6                               | FGGG                |                      | 242                     | 88                     |
| 2555-14065        | 00000/0000                  | 2-20030/0476                | 07/30/76         | 90             | 7737            | 8010N                                   | 00604W       | 27.3         | 206.1                              | GGGG                |                      | 9                       | 1                      |
| 2555-14071        | 00000/0000                  | 2-20030/0477                | 07/30/76         | 90             | 7737            | 7929N                                   | 01323W       | 28.4         | 198.6                              | GGGG                |                      | 9                       | 2                      |
| 2555-14074        | 00000/0000                  | 2-20030/0478                | 07/30/76         | 90             | 7737            | 7839N                                   | 01945W       | 29.6         | 191.9                              | GGGG                |                      | 9                       | 3                      |
| 2555-14165        | 00000/0000                  | 2-20030/0561                | 07/30/76         | 90             | 7737            | 5014N                                   | 06226W       | 50.3         | 132.5                              | GGGG                | H                    | 9                       | 25                     |
| 2555-14171        | 00000/0000                  | 2-20030/0562                | 07/30/76         | 90             | 7737            | 4849N                                   | 06303W       | 51.0         | 130.5                              | GGGG                | H                    | 9                       | 26                     |
| 2555-14180        | 00000/0000                  | 2-20030/0563                | 07/30/76         | 70             | 7737            | 4559N                                   | 06416W       | 52.2         | 126.5                              | GGGG                | H                    | 9                       | 28                     |
| 2555-14183        | 00000/0000                  | 2-20030/0564                | 07/30/76         | 80             | 7737            | 4434N                                   | 06449W       | 52.8         | 124.4                              | GGGG                | H                    | 9                       | 29                     |
| 2555-14185        | 00000/0000                  | 2-20030/0565                | 07/30/76         | 90             | 7737            | 4309N                                   | 06521W       | 53.3         | 122.3                              | GGGG                | H                    | 9                       | 30                     |
| 2555-17334        | 2-20031/0016                | 00000/0000                  | 07/30/76         | 50             | 7739            | 7928N                                   | 06510W       | 28.4         | 198.4                              | GG                  |                      | 45                      | 2                      |
| 2555-17341        | 2-20031/0017                | 00000/0000                  | 07/30/76         | 10             | 7739            | 7838N                                   | 07128W       | 29.5         | 191.8                              | GGG                 |                      | 45                      | 3                      |
| 2555-17343        | 2-20031/0018                | 00000/0000                  | 07/30/76         | 10             | 7739            | 7740N                                   | 07455W       | 30.6         | 186.0                              | GGG                 |                      | 45                      | 4                      |
| 2555-17420        | 00000/0000                  | 2-20030/0537                | 07/30/76         | 90             | 7739            | 5425N                                   | 11155W       | 48.1         | 138.3                              | GGGG                |                      | 45                      | 22                     |
| 2555-17423        | 00000/0000                  | 2-20030/0538                | 07/30/76         | 90             | 7739            | 5302N                                   | 11240W       | 48.8         | 136.4                              | GGGG                |                      | 45                      | 23                     |
| 2555-17425        | 00000/0000                  | 2-20030/0539                | 07/30/76         | 90             | 7739            | 5138N                                   | 11323W       | 49.6         | 134.5                              | GGGG                |                      | 45                      | 24                     |
| 2555-17432        | 00000/0000                  | 2-20030/0540                | 07/30/76         | 100            | 7739            | 5014N                                   | 11403W       | 50.3         | 132.5                              | GGGG                |                      | 45                      | 25                     |
| 2555-19161        | 2-20031/0019                | 00000/0000                  | 07/30/76         | 30             | 7740            | 8040N                                   | 07534W       | 26.2         | 214.3                              | GG                  |                      | 45                      | 248                    |
| 2555-19164        | 2-20031/0020                | 00000/0000                  | 07/30/76         | 50             | 7740            | 8009N                                   | 08342W       | 27.3         | 205.9                              | GG                  |                      | 63                      | 1                      |
| 2555-21002        | 00000/0000                  | 2-20030/0457                | 07/30/76         | 40             | 7741            | 7929N                                   | 11641W       | 28.4         | 198.5                              | GGGG                |                      | 81                      | 2                      |
| 2555-21004        | 00000/0000                  | 2-20030/0458                | 07/30/76         | 70             | 7741            | 7838N                                   | 12303W       | 29.5         | 191.9                              | GGGG                |                      | 81                      | 3                      |
| 2555-21011        | 00000/0000                  | 2-20030/0459                | 07/30/76         | 90             | 7741            | 7741N                                   | 12830W       | 30.6         | 186.1                              | GGGG                |                      | 81                      | 4                      |
| 2555-21013        | 00000/0000                  | 2-20030/0460                | 07/30/76         | 100            | 7741            | 7640N                                   | 13305W       | 31.7         | 181.1                              | GGGG                |                      | 81                      | 5                      |
| 2555-21020        | 00000/0000                  | 2-20030/0461                | 07/30/76         | 90             | 7741            | 7533N                                   | 13704W       | 32.8         | 176.7                              | GGGG                |                      | 81                      | 6                      |
| 2555-21022        | 00000/0000                  | 2-20030/0462                | 07/30/76         | 50             | 7741            | 7424N                                   | 14031W       | 33.8         | 172.8                              | FGGG                |                      | 81                      | 7                      |

## KEYS:

CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2555-21025        | 00000/0000                   | 2-20030/0463                | 07/30/76         | 20             | 7741            | 7312N                              | 14330W                              | 34.9         | 169.4        | FGGG              |                         |                     |                      | 81                      | 8                      |
| 2555-21031        | 00000/0000                   | 2-20030/0464                | 07/30/76         | 10             | 7741            | 7157N                              | 14607W                              | 35.9         | 166.2        | GGGG              |                         |                     |                      | 81                      | 9                      |
| 2555-23172        | 00000/0000                   | 2-20030/0569                | 07/30/76         | 20             | 7742            | 33.7S                              | 14540E                              | 22.0         | 48.1         | GGGG              |                         |                     |                      | 99                      | 83                     |
| 2556-00362        | 00000/0000                   | 2-20030/0570                | 07/31/76         | 90             | 7743            | 5015N                              | 14239E                              | 50.2         | 132.6        | GGGG              |                         |                     |                      | 117                     | 25                     |
| 2556-00365        | 00000/0000                   | 2-20030/0571                | 07/31/76         | 90             | 7743            | 4850N                              | 14159E                              | 50.9         | 130.7        | GGGF              |                         |                     |                      | 117                     | 26                     |
| 2556-00401        | 00000/0000                   | 2-20030/0572                | 07/31/76         | 10             | 7743            | 37.9N                              | 13746E                              | 54.8         | 113.7        | GGGG              |                         |                     |                      | 117                     | 34                     |
| 2556-00403        | 00000/0000                   | 2-20030/0573                | 07/31/76         | 20             | 7743            | 3603N                              | 13719E                              | 55.1         | 111.5        | GGGG              |                         |                     |                      | 117                     | 35                     |
| 2556-00410        | 00000/0000                   | 2-20030/0574                | 07/31/76         | 30             | 7743            | 3438N                              | 13652E                              | 55.4         | 109.2        | GGGG              |                         |                     |                      | 117                     | 36                     |
| 2556-00412        | 00000/0000                   | 2-20030/0575                | 07/31/76         | 30             | 7743            | 3312N                              | 13627E                              | 55.5         | 106.9        | GGGG              |                         |                     |                      | 117                     | 37                     |
| 2556-02194        | 00000/0000                   | 2-20030/0576                | 07/31/76         | 30             | 7744            | 5014N                              | 11651E                              | 50.2         | 132.6        | GFGG              |                         |                     |                      | 135                     | 25                     |
| 2556-02223        | 00000/0000                   | 2-20030/0364                | 07/31/76         | 30             | 7744            | 4019N                              | 11254E                              | 54.1         | 118.2        | GGGG              |                         |                     |                      | 135                     | 32                     |
| 2556-02230        | 00000/0000                   | 2-20030/0365                | 07/31/76         | 40             | 7744            | 3854N                              | 11225E                              | 54.5         | 116.0        | GGGG              |                         |                     |                      | 135                     | 33                     |
| 2556-02232        | 00000/0000                   | 2-20030/0366                | 07/31/76         | 90             | 7744            | 37.8N                              | 11157E                              | 54.8         | 113.7        | GGGG              |                         |                     |                      | 135                     | 34                     |
| 2556-02235        | 00000/0000                   | 2-20030/0367                | 07/31/76         | 90             | 7744            | 3603N                              | 11130E                              | 55.1         | 111.5        | GGGG              |                         |                     |                      | 135                     | 35                     |
| 2556-02241        | 00000/0000                   | 2-20030/0368                | 07/31/76         | 80             | 7744            | 3438N                              | 11103E                              | 55.4         | 109.2        | FGGG              |                         |                     |                      | 135                     | 36                     |
| 2556-04005        | 00000/0000                   | 2-20030/0386                | 07/31/76         | 40             | 7745            | 5714N                              | 09445E                              | 46.3         | 142.2        | GGGG              |                         |                     |                      | 153                     | 20                     |
| 2556-04014        | 00000/0000                   | 2-20030/0387                | 07/31/76         | 20             | 7745            | 5426N                              | 09306E                              | 48.0         | 138.4        | GGGG              |                         |                     |                      | 153                     | 22                     |
| 2556-04020        | 00000/0000                   | 2-20030/0388                | 07/31/76         | 40             | 7745            | 5302N                              | 09221E                              | 48.7         | 136.5        | GGGG              |                         |                     |                      | 153                     | 23                     |
| 2556-04023        | 00000/0000                   | 2-20030/0369                | 07/31/76         | 70             | 7745            | 5138N                              | 09138E                              | 49.5         | 134.6        | GGGG              |                         |                     |                      | 153                     | 24                     |
| 2556-04043        | 00000/0000                   | 2-20030/0370                | 07/31/76         | 40             | 7745            | 4435N                              | 08437E                              | 52.7         | 124.6        | GGGG              |                         |                     |                      | 153                     | 29                     |
| 2556-04050        | 00000/0000                   | 2-20030/0371                | 07/31/76         | 30             | 7745            | 4310N                              | 08405E                              | 53.2         | 122.5        | FFGG              |                         |                     |                      | 153                     | 30                     |
| 2556-05431        | 00000/0000                   | 2-20030/0372                | 07/31/76         | 20             | 7746            | 5959N                              | 07049E                              | 44.6         | 146.0        | GGGG              |                         |                     |                      | 171                     | 18                     |
| 2556-05434        | 00000/0000                   | 2-20030/0373                | 07/31/76         | 30             | 7746            | 5827N                              | 06951E                              | 45.5         | 144.1        | GGGG              |                         |                     |                      | 171                     | 19                     |
| 2556-05440        | 00000/0000                   | 2-20030/0374                | 07/31/76         | 20             | 7746            | 5714N                              | 06857E                              | 46.3         | 142.2        | GGGG              |                         |                     |                      | 171                     | 20                     |
| 2556-05443        | 00000/0000                   | 2-20030/0375                | 07/31/76         | 10             | 7746            | 5550N                              | 06806E                              | 47.1         | 140.3        | GGGG              |                         |                     |                      | 171                     | 21                     |
| 2556-05445        | 00000/0000                   | 2-20030/0376                | 07/31/76         | 10             | 7746            | 5426N                              | 06719E                              | 47.9         | 138.4        | GGGG              |                         |                     |                      | 171                     | 22                     |
| 2556-05452        | 00000/0000                   | 2-20030/0377                | 07/31/76         | 10             | 7746            | 5302N                              | 06634E                              | 48.7         | 136.5        | FGGG              |                         |                     |                      | 171                     | 23                     |
| 2556-05454        | 00000/0000                   | 2-20030/0378                | 07/31/76         | 10             | 7746            | 5138N                              | 06551E                              | 49.5         | 134.6        | GGGG              |                         |                     |                      | 171                     | 24                     |
| 2556-05461        | 00000/0000                   | 2-20030/0379                | 07/31/76         | 7              | 7746            | 5014N                              | 06511E                              | 50.2         | 132.7        | GGGG              |                         |                     |                      | 171                     | 25                     |
| 2556-05495        | 00000/0000                   | 2-20030/0380                | 07/31/76         | 0              | 7746            | 3728N                              | 06017E                              | 54.8         | 113.8        | GGGG              |                         |                     |                      | 171                     | 34                     |
| 2556-05502        | 00000/0000                   | 2-20030/0381                | 07/31/76         | 0              | 7746            | 3603N                              | 05950E                              | 55.1         | 111.5        | GGGG              |                         |                     |                      | 171                     | 35                     |
| 2556-05520        | 00000/0000                   | 2-20030/0382                | 07/31/76         | 20             | 7746            | 3017N                              | 05809E                              | 55.7         | 102.4        | GGGG              |                         |                     |                      | 171                     | 39                     |
| 2556-05522        | 00000/0000                   | 2-20030/0383                | 07/31/76         | 10             | 7746            | 2824N                              | 05745E                              | 55.8         | 100.1        | FGGG              |                         |                     |                      | 171                     | 40                     |
| 2556-05525        | 00000/0000                   | 2-20030/0384                | 07/31/76         | 10             | 7746            | 2755N                              | 05721E                              | 55.7         | 97.8         | GGGG              |                         |                     |                      | 171                     | 41                     |
| 2556-05531        | 00000/0000                   | 2-20030/0385                | 07/31/76         | 0              | 7746            | 2559N                              | 05657E                              | 55.6         | 95.6         | GFGG              |                         |                     |                      | 171                     | 42                     |
| 2556-07254        | 00000/0000                   | 2-20030/0389                | 07/31/76         | 60             | 7747            | 6243N                              | 04709E                              | 42.7         | 149.9        | GGGG              |                         |                     |                      | 189                     | 16                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANK)=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | LONG   | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|--------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2556-07261        | 00000/0000 2-20030/0509                        | 07/31/76         | 40             | 7747            | 6122N                              | 04601E | 43.7         | 147.9        | GGG                   |                     |                      | 189                     | 17                     |
| 2556-07263        | 00000/0000 2-20030/0433                        | 07/31/76         | 40             | 7747            | 5959N                              | 04459E | 44.6         | 146.0        | GGGG                  |                     |                      | 189                     | 18                     |
| 2556-07270        | 00000/0000 2-20030/0431                        | 07/31/76         | 80             | 7747            | 5836N                              | 04401E | 45.4         | 144.1        | G GG                  |                     |                      | 189                     | 19                     |
| 2556-07272        | 00000/0000 2-20030/0432                        | 07/31/76         | 90             | 7747            | 5713N                              | 04307E | 46.3         | 142.2        | G GG                  |                     |                      | 189                     | 20                     |
| 2556-07275        | 00000/0000 2-20030/0434                        | 07/31/76         | 90             | 7747            | 5550N                              | 04216E | 47.1         | 140.3        | GGGG                  |                     |                      | 189                     | 21                     |
| 2556-07281        | 00000/0000 2-20030/0435                        | 07/31/76         | 80             | 7747            | 5426N                              | 04129E | 47.9         | 138.4        | GGGG                  |                     |                      | 189                     | 22                     |
| 2556-07284        | 00000/0000 2-20030/0436                        | 07/31/76         | 80             | 7747            | 5302N                              | 04044E | 48.7         | 136.5        | GGGG                  |                     |                      | 189                     | 23                     |
| 2556-07290        | 00000/0000 2-20030/0437                        | 07/31/76         | 60             | 7747            | 5138N                              | 04001E | 49.4         | 134.6        | GGGG                  |                     |                      | 189                     | 24                     |
| 2556-07293        | 00000/0000 2-20030/0438                        | 07/31/76         | 50             | 7747            | 5013N                              | 03921E | 50.2         | 132.7        | GGGG                  |                     |                      | 189                     | 25                     |
| 2556-07295        | 00000/0000 2-20030/0439                        | 07/31/76         | 40             | 7747            | 4849N                              | 03843E | 50.8         | 130.7        | GGGG                  |                     |                      | 189                     | 26                     |
| 2556-07302        | 00000/0000 2-20030/0440                        | 07/31/76         | 20             | 7747            | 4724N                              | 03807E | 51.5         | 128.7        | GGGG                  |                     |                      | 189                     | 27                     |
| 2556-07304        | 00000/0000 2-20030/0441                        | 07/31/76         | 30             | 7747            | 4559N                              | 03732E | 52.1         | 126.7        | GGGG                  |                     |                      | 189                     | 28                     |
| 2556-07311        | 00000/0000 2-20030/0442                        | 07/31/76         | 40             | 7747            | 4424N                              | 03659E | 52.6         | 124.6        | GGGG                  |                     |                      | 189                     | 29                     |
| 2556-13023        | 00000/0000 2-20030/0516                        | 07/31/76         | 50             | 7750            | 3013S                              | 06001W | 24.4         | 48.6         | F                     |                     |                      | 243                     | 81                     |
| 2556-13030        | 00000/0000 2-20030/0510                        | 07/31/76         | 80             | 7750            | 3139S                              | 06026W | 23.3         | 48.4         | FFFF                  |                     |                      | 243                     | 82                     |
| 2556-13032        | 00000/0000 2-20030/0511                        | 07/31/76         | 40             | 7750            | 3305S                              | 06051W | 22.1         | 48.2         | FFF                   |                     |                      | 243                     | 83                     |
| 2556-13035        | 00000/0000 2-20030/0517                        | 07/31/76         | 50             | 7750            | 3431S                              | 06116W | 21.0         | 48.0         | G                     |                     |                      | 243                     | 84                     |
| 2556-13041        | 00000/0000 2-20030/0512                        | 07/31/76         | 50             | 7750            | 3557S                              | 06142W | 19.8         | 47.9         | GGGG                  |                     |                      | 243                     | 85                     |
| 2556-13044        | 00000/0000 2-20030/0513                        | 07/31/76         | 90             | 7750            | 3723S                              | 06209W | 18.6         | 47.8         | GGGF                  |                     |                      | 243                     | 86                     |
| 2556-13050        | 00000/0000 2-20030/0514                        | 07/31/76         | 100            | 7750            | 3849S                              | 06238W | 17.5         | 47.7         | FGFF                  |                     |                      | 243                     | 87                     |
| 2556-13053        | 00000/0000 2-20030/0515                        | 07/31/76         | 100            | 7750            | 4015S                              | 06308W | 16.3         | 47.7         | FFFF                  |                     |                      | 243                     | 88                     |
| 2556-14223        | 00000/0000 2-20030/0426                        | 07/31/76         | 60             | 7751            | 5015N                              | 06351W | 50.1         | 132.8        | GGGG                  |                     |                      | 10                      | 25                     |
| 2556-14225        | 00000/0000 2-20030/0427                        | 07/31/76         | 60             | 7751            | 4851N                              | 06430W | 50.8         | 130.8        | GGGG                  |                     |                      | 10                      | 26                     |
| 2556-14250        | 00000/0000 2-20030/0428                        | 07/31/76         | 100            | 7751            | 4145N                              | 06718W | 53.6         | 120.5        | GGGG                  |                     |                      | 10                      | 31                     |
| 2556-14252        | 00000/0000 2-20030/0429                        | 07/31/76         | 70             | 7751            | 4020N                              | 06748W | 54.0         | 118.3        | FGGG                  |                     |                      | 10                      | 32                     |
| 2556-14255        | 00000/0000 2-20030/0430                        | 07/31/76         | 80             | 7751            | 3855N                              | 06817W | 54.4         | 116.2        | GGGG                  |                     |                      | 10                      | 33                     |
| 2556-16131        | 00000/0000 2-20030/0479                        | 07/31/76         | 10             | 7752            | 2435N                              | 09818W | 55.5         | 93.5         | GGGG                  |                     |                      | 28                      | 43                     |
| 2556-17384        | 2-20031/0021 00000/0000                        | 07/31/76         | 90             | 7753            | 8040N                              | 05143W | 26.0         | 213.8        | G G                   |                     |                      | 28                      | 248                    |
| 2556-17390        | 2-20031/0022 00000/0000                        | 07/31/76         | 70             | 7753            | 8008N                              | 05953W | 27.1         | 205.5        | GG                    |                     |                      | 46                      | 1                      |
| 2556-17393        | 2-20031/0023 00000/0000                        | 07/31/76         | 30             | 7753            | 7926N                              | 06706W | 28.3         | 198.0        | GG                    |                     |                      | 46                      | 2                      |
| 2556-17395        | 2-20031/0024 00000/0000                        | 07/31/76         | 20             | 7753            | 7835N                              | 07321W | 29.4         | 191.4        | GGG                   |                     |                      | 46                      | 3                      |
| 2556-17402        | 2-20031/0025 00000/0000                        | 07/31/76         | 40             | 7753            | 7738N                              | 07843W | 30.5         | 185.7        | GGG                   |                     |                      | 46                      | 4                      |
| 2556-17472        | 00000/0000 2-20030/0480                        | 07/31/76         | 20             | 7753            | 5552N                              | 11236W | 47.0         | 140.4        | GGGG                  |                     |                      | 46                      | 21                     |
| 2556-17475        | 00000/0000 2-20030/0481                        | 07/31/76         | 50             | 7753            | 5428N                              | 11323W | 47.8         | 138.5        | GGGG                  |                     |                      | 46                      | 22                     |
| 2556-17481        | 00000/0000 2-20030/0482                        | 07/31/76         | 90             | 7753            | 5304N                              | 11408W | 48.6         | 136.6        | FGGG                  |                     |                      | 46                      | 23                     |
| 2556-17484        | 00000/0000 2-20030/0483                        | 07/31/76         | 80             | 7753            | 5139N                              | 11450W | 49.3         | 134.7        | GGGG                  |                     |                      | 46                      | 24                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | BRIGHT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | QUAL<br>HSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RAW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2556-17490        | 00000/0000                                     | 2-20030/0484     | 07/31/76              | 40               | 7753                               | 5015N                               | 11530W       | 50.0         | 132.8             |             |                     |                      | 46                      | 25                     |
| 2556-15215        | 2-20031/0026                                   | 00000/0000       | 07/31/76              | 90               | 7754                               | 8041N                               | 07644W       | 25.9         | 214.5             | GGG         |                     |                      | 46                      | 248                    |
| 2556-19222        | 2-20031/0027                                   | 00000/0000       | 07/31/76              | 100              | 7754                               | 8010N                               | 08456W       | 27.0         | 206.1             | GN          |                     |                      | 64                      | 1                      |
| 2556-21053        | 00000/0000                                     | 2-20030/0500     | 07/31/76              | 100              | 7755                               | 8011N                               | 11032W       | 27.0         | 206.2             |             |                     |                      | 82                      | 1                      |
| 2556-21060        | 00000/0000                                     | 2-20030/0501     | 07/31/76              | 100              | 7755                               | 7930N                               | 11750W       | 28.1         | 198.7             |             |                     |                      | 82                      | 2                      |
| 2556-21062        | 00000/0000                                     | 2-20030/0502     | 07/31/76              | 100              | 7755                               | 7840N                               | 12414W       | 29.2         | 192.0             |             |                     |                      | 82                      | 3                      |
| 2556-21065        | 00000/0000                                     | 2-20030/0503     | 07/31/76              | 90               | 7755                               | 7743N                               | 12945W       | 30.3         | 186.3             |             |                     |                      | 82                      | 4                      |
| 2556-21071        | 00000/0000                                     | 2-20030/0504     | 07/31/76              | 90               | 7755                               | 7641N                               | 13426W       | 31.4         | 181.2             |             |                     |                      | 82                      | 5                      |
| 2556-21074        | 00000/0000                                     | 2-20030/0505     | 07/31/76              | 100              | 7755                               | 7535N                               | 13827W       | 32.5         | 176.8             |             |                     |                      | 82                      | 6                      |
| 2556-21080        | 00000/0000                                     | 2-20030/0506     | 07/31/76              | 90               | 7755                               | 7425N                               | 14154W       | 33.6         | 172.9             |             |                     |                      | 82                      | 7                      |
| 2556-21083        | 00000/0000                                     | 2-20030/0507     | 07/31/76              | 90               | 7755                               | 7313N                               | 14454W       | 34.6         | 169.5             |             |                     |                      | 82                      | 8                      |
| 2556-21085        | 00000/0000                                     | 2-20030/0508     | 07/31/76              | 40               | 7755                               | 7159N                               | 14730W       | 35.7         | 166.4             |             |                     |                      | 82                      | 9                      |
| 2556-23235        | 00000/0000                                     | 2-20030/0390     | 07/31/76              | 90               | 7756                               | 3600S                               | 14321E       | 19.9         | 47.9              |             |                     |                      | 100                     | 85                     |
| 2557-00452        | 00000/0000                                     | 2-20030/0391     | 08/01/76              | 70               | 7757                               | 3844N                               | 13647E       | 54.3         | 116.2             |             |                     |                      | 118                     | 33                     |
| 2557-00455        | 00000/0000                                     | 2-20030/0392     | 08/01/76              | 60               | 7757                               | 3728N                               | 13619E       | 54.7         | 114.0             |             |                     |                      | 118                     | 34                     |
| 2557-00461        | 00000/0000                                     | 2-20030/0393     | 08/01/76              | 40               | 7757                               | 3602N                               | 13552E       | 55.0         | 111.8             |             |                     |                      | 118                     | 35                     |
| 2557-00464        | 00000/0000                                     | 2-20030/0394     | 08/01/76              | 40               | 7757                               | 3436N                               | 13525E       | 55.2         | 109.5             |             |                     |                      | 118                     | 36                     |
| 2557-00470        | 00000/0000                                     | 2-20030/0395     | 08/01/76              | 30               | 7757                               | 3310N                               | 13459E       | 55.4         | 107.3             |             |                     |                      | 118                     | 37                     |
| 2557-01061        | 00000/0000                                     | 2-20030/0396     | 08/01/76              | 80               | 7757                               | 3308S                               | 11826E       | 22.2         | 48.3              |             |                     |                      | 118                     | 83                     |
| 2557-02252        | 00000/0000                                     | 2-20030/0397     | 08/01/76              | 10               | 7758                               | 5012N                               | 11521E       | 50.0         | 132.8             |             |                     |                      | 136                     | 25                     |
| 2557-02275        | 00000/0000                                     | 2-20030/0398     | 08/01/76              | 50               | 7758                               | 4142N                               | 11154E       | 53.5         | 120.6             |             |                     |                      | 136                     | 31                     |
| 2557-02282        | 00000/0000                                     | 2-20030/0399     | 08/01/76              | 90               | 7758                               | 4017N                               | 11124E       | 53.9         | 118.4             |             |                     |                      | 136                     | 32                     |
| 2557-02284        | 00000/0000                                     | 2-20030/0400     | 08/01/76              | 100              | 7758                               | 3852N                               | 11056E       | 54.3         | 116.3             |             |                     |                      | 136                     | 33                     |
| 2557-02291        | 00000/0000                                     | 2-20030/0401     | 08/01/76              | 90               | 7758                               | 3727N                               | 11029E       | 54.7         | 114.0             |             |                     |                      | 136                     | 34                     |
| 2557-02293        | 00000/0000                                     | 2-20030/0402     | 08/01/76              | 70               | 7758                               | 3601N                               | 11002E       | 55.0         | 111.8             |             |                     |                      | 136                     | 35                     |
| 2557-04063        | 00000/0000                                     | 2-20030/0518     | 08/01/76              | 60               | 7759                               | 5713N                               | 09318E       | 46.1         | 142.3             |             |                     |                      | 154                     | 20                     |
| 2557-04070        | 00000/0000                                     | 2-20030/0519     | 08/01/76              | 40               | 7759                               | 5549N                               | 09227E       | 46.9         | 140.4             |             |                     |                      | 154                     | 21                     |
| 2557-04072        | 00000/0000                                     | 2-20030/0520     | 08/01/76              | 70               | 7759                               | 5425N                               | 09139E       | 47.7         | 138.5             |             |                     |                      | 154                     | 22                     |
| 2557-04075        | 00000/0000                                     | 2-20030/0558     | 08/01/76              | 90               | 7759                               | 5301N                               | 09054E       | 48.5         | 136.7             |             |                     |                      | 154                     | 23                     |
| 2557-04081        | 00000/0000                                     | 2-20030/0659     | 08/01/76              | 90               | 7759                               | 5137N                               | 09012E       | 49.3         | 134.8             |             |                     |                      | 154                     | 24                     |
| 2557-04084        | 00000/0000                                     | 2-20030/0660     | 08/01/76              | 90               | 7759                               | 5013N                               | 08932E       | 50.0         | 132.8             |             |                     |                      | 154                     | 25                     |
| 2557-04102        | 00000/0000                                     | 2-20030/0542     | 08/01/76              | 90               | 7759                               | 4434N                               | 08710E       | 52.5         | 124.8             |             |                     |                      | 154                     | 29                     |
| 2557-04104        | 00000/0000                                     | 2-20030/0543     | 08/01/76              | 90               | 7759                               | 4309N                               | 08638E       | 53.0         | 122.7             |             |                     |                      | 154                     | 30                     |
| 2557-05490        | 00000/0000                                     | 2-20030/0544     | 08/01/76              | 40               | 7760                               | 6002N                               | 06921E       | 44.3         | 146.2             |             |                     |                      | 172                     | 18                     |
| 2557-05492        | 00000/0000                                     | 2-20030/0545     | 08/01/76              | 40               | 7760                               | 5829N                               | 06823E       | 45.2         | 144.3             |             |                     |                      | 172                     | 19                     |
| 2557-05495        | 00000/0000                                     | 2-20030/0546     | 08/01/76              | 50               | 7760                               | 5716N                               | 06729E       | 46.1         | 142.4             |             |                     |                      | 172                     | 20                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN REEL<br>RBY | RAIL NO./<br>MSR | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>SP IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBY MSB<br>123 45678 | MSB<br>DATA<br>MODE | MSB<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2557-05501        | 00000/0000                           | 2-20030/0547     | 08/01/76         | 30             | 7760            | 5552N                        | 06638E        | 46.9         | 140.5        | GGGG                               |                     |                      | 172                     | 21                     |
| 2557-05504        | 00000/0000                           | 2-20030/0548     | 08/01/76         | 30             | 7760            | 5427N                        | 06551E        | 47.7         | 138.6        | GGGG                               |                     |                      | 172                     | 22                     |
| 2557-05510        | 00000/0000                           | 2-20030/0549     | 08/01/76         | 20             | 7760            | 5304N                        | 06506E        | 48.5         | 136.7        | FGGG                               |                     |                      | 172                     | 23                     |
| 2557-05513        | 00000/0000                           | 2-20030/0550     | 08/01/76         | 10             | 7760            | 5140N                        | 06424E        | 49.2         | 134.8        | GGGG                               |                     |                      | 172                     | 24                     |
| 2557-05515        | 00000/0000                           | 2-20030/0551     | 08/01/76         | 0              | 7760            | 5015N                        | 06344E        | 49.9         | 132.9        | GGGG                               |                     |                      | 172                     | 25                     |
| 2557-05554        | 00000/0000                           | 2-20030/0552     | 08/01/76         | 0              | 7760            | 3730N                        | 05851E        | 54.6         | 114.2        | GGGG                               |                     |                      | 172                     | 34                     |
| 2557-05560        | 00000/0000                           | 2-20030/0553     | 08/01/76         | 0              | 7760            | 3604N                        | 05824E        | 54.9         | 111.9        | GGGG                               |                     |                      | 172                     | 35                     |
| 2557-05563        | 00000/0000                           | 2-20030/0554     | 08/01/76         | 0              | 7760            | 3438N                        | 05758E        | 55.2         | 109.7        | GGGG                               |                     |                      | 172                     | 36                     |
| 2557-05565        | 00000/0000                           | 2-20030/0555     | 08/01/76         | 0              | 7760            | 3311N                        | 05732E        | 55.4         | 107.4        | GGGG                               |                     |                      | 172                     | 37                     |
| 2557-05572        | 00000/0000                           | 2-20030/0556     | 08/01/76         | 0              | 7760            | 3145N                        | 05707E        | 55.5         | 105.1        | GGGG                               |                     |                      | 172                     | 38                     |
| 2557-05574        | 00000/0000                           | 2-20030/0557     | 08/01/76         | 0              | 7760            | 3020N                        | 05642E        | 55.6         | 102.8        | FGGG                               |                     |                      | 172                     | 39                     |
| 2557-05581        | 00000/0000                           | 2-20030/0558     | 08/01/76         | 0              | 7760            | 2844N                        | 05618E        | 55.7         | 100.6        | GGGG                               |                     |                      | 172                     | 40                     |
| 2557-05583        | 00000/0000                           | 2-20030/0559     | 08/01/76         | 10             | 7760            | 2728N                        | 05554E        | 55.6         | 98.3         | GGGG                               |                     |                      | 172                     | 41                     |
| 2557-05590        | 00000/0000                           | 2-20030/0560     | 08/01/76         | 10             | 7760            | 2602N                        | 05531E        | 55.6         | 96.0         | GGGG                               |                     |                      | 172                     | 42                     |
| 2557-07312        | 00000/0000                           | 2-20030/0661     | 08/01/76         | 30             | 7761            | 6245N                        | 04547E        | 42.5         | 150.0        | GGGG                               |                     |                      | 190                     | 16                     |
| 2557-07315        | 00000/0000                           | 2-20030/0662     | 08/01/76         | 20             | 7761            | 6124N                        | 04440E        | 43.4         | 148.1        | GGGG                               |                     |                      | 190                     | 17                     |
| 2557-07321        | 00000/0000                           | 2-20030/0663     | 08/01/76         | 10             | 7761            | 6001N                        | 04337E        | 44.3         | 146.2        | GGGG                               |                     |                      | 190                     | 18                     |
| 2557-07324        | 00000/0000                           | 2-20030/0664     | 08/01/76         | 10             | 7761            | 5838N                        | 04238E        | 45.2         | 144.3        | GGGG                               |                     |                      | 190                     | 19                     |
| 2557-07330        | 00000/0000                           | 2-20030/0665     | 08/01/76         | 10             | 7761            | 5715N                        | 04143E        | 46.0         | 142.4        | GGGG                               |                     |                      | 190                     | 20                     |
| 2557-07333        | 00000/0000                           | 2-20030/0691     | 08/01/76         | 10             | 7761            | 5552N                        | 04052E        | 46.9         | 140.5        | GGGG                               |                     |                      | 190                     | 21                     |
| 2557-07335        | 00000/0000                           | 2-20030/0692     | 08/01/76         | 10             | 7761            | 5428N                        | 04004E        | 47.7         | 138.6        | GGGG                               |                     |                      | 190                     | 22                     |
| 2557-07342        | 00000/0000                           | 2-20030/0693     | 08/01/76         | 10             | 7761            | 5304N                        | 03920E        | 48.5         | 136.8        | GGGG                               |                     |                      | 190                     | 23                     |
| 2557-07344        | 00000/0000                           | 2-20030/0694     | 08/01/76         | 10             | 7761            | 5140N                        | 03837E        | 49.2         | 134.8        | GGGG                               |                     |                      | 190                     | 24                     |
| 2557-07351        | 00000/0000                           | 2-20030/0695     | 08/01/76         | 30             | 7761            | 5015N                        | 03757E        | 49.9         | 132.9        | GGGG                               |                     |                      | 190                     | 25                     |
| 2557-07353        | 00000/0000                           | 2-20030/0696     | 08/01/76         | 40             | 7761            | 4851N                        | 03718E        | 50.6         | 131.0        | GGGG                               |                     |                      | 190                     | 26                     |
| 2557-07360        | 00000/0000                           | 2-20030/0697     | 08/01/76         | 40             | 7761            | 4726N                        | 03642E        | 51.3         | 129.0        | GGGG                               |                     |                      | 190                     | 27                     |
| 2557-07362        | 00000/0000                           | 2-20030/0698     | 08/01/76         | 20             | 7761            | 4601N                        | 03607E        | 51.9         | 127.0        | GGGG                               |                     |                      | 190                     | 28                     |
| 2557-07365        | 00000/0000                           | 2-20030/0699     | 08/01/76         | 20             | 7761            | 4476N                        | 03533E        | 52.4         | 124.9        | GGGG                               |                     |                      | 190                     | 29                     |
| 2557-13075        | 00000/0000                           | 2-20030/0664     | 08/01/76         | 100            | 7764            | 2849S                        | 06104W        | 25.7         | 49.1         | GGGG                               |                     |                      | 244                     | 80                     |
| 2557-13082        | 00000/0000                           | 2-20030/0665     | 08/01/76         | 100            | 7764            | 3015S                        | 06128W        | 24.6         | 48.8         | GGGG                               |                     |                      | 244                     | 81                     |
| 2557-13084        | 00000/0000                           | 2-20030/0666     | 08/01/76         | 100            | 7764            | 3141S                        | 06153W        | 23.5         | 48.5         | FFFF                               |                     |                      | 244                     | 82                     |
| 2557-13091        | 00000/0000                           | 2-20030/0667     | 08/01/76         | 100            | 7764            | 3307S                        | 06218W        | 22.3         | 48.3         | FFFF                               |                     |                      | 244                     | 83                     |
| 2557-13093        | 00000/0000                           | 2-20030/0668     | 08/01/76         | 100            | 7764            | 3433S                        | 06244W        | 21.2         | 48.2         | FFFF                               |                     |                      | 244                     | 84                     |
| 2557-13100        | 00000/0000                           | 2-20030/0669     | 08/01/76         | 100            | 7764            | 3559S                        | 06310W        | 20.0         | 48.0         | GGGG                               |                     |                      | 244                     | 85                     |
| 2557-13102        | 00000/0000                           | 2-20030/0670     | 08/01/76         | 100            | 7764            | 3725S                        | 06337W        | 18.8         | 47.9         | GGGG                               |                     |                      | 244                     | 86                     |
| 2557-13105        | 00000/0000                           | 2-20030/0671     | 08/01/76         | 100            | 7764            | 3840S                        | 06405W        | 17.7         | 47.9         | GGGG                               |                     |                      | 244                     | 87                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANK)=BAND NOT AVAILABLE. G=GOOD. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2557-14284        | 00000/0000                   | 2-20030/0443                | 08/01/76         | 90             | 7765          | 4849N                        | 06555W        | 50.6         | 131.0        | GGGG                               |                     |                      | 11                      | 26                     |
| 2557-16113        | 00000/0000                   | 2-20030/0444                | 08/01/76         | 10             | 7766          | 5013N                        | 09108W        | 49.9         | 133.0        | GGGG                               |                     |                      | 29                      | 25                     |
| 2557-16190        | 00000/0000                   | 2-20030/0541                | 08/01/76         | 10             | 7766          | 2433N                        | 09944W        | 55.4         | 93.9         | GGGG                               |                     |                      | 29                      | 43                     |
| 2557-17442        | 2-20031/0028                 | 00000/0000                  | 08/01/76         | 100            | 7767          | 8041N                        | 05259W        | 25.7         | 214.0        | GGG                                |                     |                      | 29                      | 248                    |
| 2557-17445        | 2-20031/0029                 | 00000/0000                  | 08/01/76         | 90             | 7767          | 8009N                        | 06105W        | 26.9         | 205.7        | GGG                                |                     |                      | 47                      | 1                      |
| 2557-17451        | 2-20031/0030                 | 00000/0000                  | 08/01/76         | 90             | 7767          | 7927N                        | 06417W        | 28.0         | 198.2        | GGG                                |                     |                      | 47                      | 2                      |
| 2557-17454        | 2-20031/0031                 | 00000/0000                  | 08/01/76         | 90             | 7767          | 7826N                        | 07435W        | 29.1         | 191.6        | GGG                                |                     |                      | 47                      | 3                      |
| 2557-17460        | 2-20031/0032                 | 00000/0000                  | 08/01/76         | 100            | 7767          | 7739N                        | 08001W        | 30.2         | 185.9        | GG                                 |                     |                      | 47                      | 4                      |
| 2557-17533        | 00000/0000                   | 2-20030/0485                | 08/01/76         | 80             | 7767          | 5426N                        | 11449W        | 47.6         | 138.7        | GGGG                               |                     |                      | 47                      | 22                     |
| 2557-17535        | 00000/0000                   | 2-20030/0486                | 08/01/76         | 70             | 7767          | 5302N                        | 11534W        | 48.4         | 136.8        | GGGG                               |                     |                      | 47                      | 23                     |
| 2557-17542        | 00000/0000                   | 2-20030/0487                | 08/01/76         | 30             | 7767          | 5138N                        | 11616W        | 49.1         | 134.9        | GGGG                               |                     |                      | 47                      | 24                     |
| 2557-17544        | 00000/0000                   | 2-20030/0488                | 08/01/76         | 20             | 7767          | 5014N                        | 11657W        | 49.8         | 133.0        | GGGG                               |                     |                      | 47                      | 25                     |
| 2557-19274        | 2-20031/0033                 | 00000/0000                  | 08/01/76         | 90             | 7768          | 8039N                        | 07837W        | 25.7         | 214.0        | GGG                                |                     |                      | 47                      | 248                    |
| 2557-19280        | 2-20031/0034                 | 00000/0000                  | 08/01/76         | 80             | 7768          | 8007N                        | 08646W        | 26.8         | 205.6        | GGG                                |                     |                      | 65                      | 1                      |
| 2557-21111        | 00000/0000                   | 2-20030/0602                | 08/01/76         | 90             | 7769          | 8011N                        | 11152W        | 26.7         | 206.4        | FFFF                               |                     |                      | 82                      | 1                      |
| 2557-21114        | 00000/0000                   | 2-20030/0603                | 08/01/76         | 100            | 7769          | 7930N                        | 11912W        | 27.8         | 198.9        | GGGG                               |                     |                      | 83                      | 2                      |
| 2557-21120        | 00000/0000                   | 2-20030/0604                | 08/01/76         | 100            | 7769          | 7841N                        | 12534W        | 28.9         | 192.2        | GGGG                               |                     |                      | 83                      | 3                      |
| 2557-21123        | 00000/0000                   | 2-20030/0605                | 08/01/76         | 100            | 7769          | 7744N                        | 13103W        | 30.0         | 186.4        | GGGG                               |                     |                      | 83                      | 4                      |
| 2557-21125        | 00000/0000                   | 2-20030/0606                | 08/01/76         | 90             | 7769          | 7642N                        | 13544W        | 31.1         | 181.3        | GGGG                               |                     |                      | 83                      | 5                      |
| 2557-21132        | 00000/0000                   | 2-20030/0607                | 08/01/76         | 90             | 7769          | 7536N                        | 13944W        | 32.2         | 176.9        | GGGG                               |                     |                      | 83                      | 6                      |
| 2557-21134        | 00000/0000                   | 2-20030/0608                | 08/01/76         | 60             | 7769          | 7427N                        | 14244W        | 33.3         | 173.0        | GGGG                               |                     |                      | 83                      | 7                      |
| 2557-21141        | 00000/0000                   | 2-20030/0609                | 08/01/76         | 90             | 7769          | 7315N                        | 14444W        | 34.4         | 169.6        | GGGG                               |                     |                      | 83                      | 8                      |
| 2557-21143        | 00000/0000                   | 2-20030/0610                | 08/01/76         | 20             | 7769          | 7201N                        | 14644W        | 35.4         | 166.5        | GGGG                               |                     |                      | 83                      | 9                      |
| 2557-23293        | 00000/0000                   | 2-20030/0521                | 08/01/76         | 50             | 7770          | 3558S                        | 14844W        | 36.1         | 163.1        | GGG                                |                     |                      | 101                     | 85                     |
| 2558-00513        | 00000/0000                   | 2-20030/0522                | 08/02/76         | 100            | 7771          | 3729N                        | 13444E        | 54.5         | 114.4        | GGGG                               |                     |                      | 119                     | 34                     |
| 2558-00520        | 00000/0000                   | 2-20030/0523                | 08/02/76         | 100            | 7771          | 3604N                        | 13026E        | 54.8         | 112.2        | GGGF                               |                     |                      | 119                     | 35                     |
| 2558-00522        | 00000/0000                   | 2-20030/0524                | 08/02/76         | 90             | 7771          | 3439N                        | 13359E        | 55.1         | 110.0        | GGGG                               |                     |                      | 119                     | 36                     |
| 2558-00525        | 00000/0000                   | 2-20030/0525                | 08/02/76         | 80             | 7771          | 3312N                        | 13334E        | 55.3         | 107.7        | GGGG                               |                     |                      | 119                     | 37                     |
| 2558-01111        | 00000/0000                   | 2-20030/0526                | 08/02/76         | 0              | 7771          | 3015S                        | 11750E        | 24.7         | 48.9         | GGGF                               |                     |                      | 119                     | 81                     |
| 2558-01113        | 00000/0000                   | 2-20030/0527                | 08/02/76         | 20             | 7771          | 3141S                        | 11726E        | 23.6         | 48.6         | GGGG                               |                     |                      | 119                     | 82                     |
| 2558-02304        | 00000/0000                   | 2-20030/0528                | 08/02/76         | 80             | 7772          | 5138N                        | 11437E        | 49.0         | 135.0        | GGGG                               |                     |                      | 137                     | 24                     |
| 2558-02310        | 00000/0000                   | 2-20030/0529                | 08/02/76         | 40             | 7772          | 5014N                        | 11357E        | 49.8         | 133.1        | GGGG                               |                     |                      | 137                     | 25                     |
| 2558-02333        | 00000/0000                   | 2-20030/0530                | 08/02/76         | 60             | 7772          | 4146N                        | 11030E        | 53.3         | 120.9        | GGGG                               |                     |                      | 137                     | 31                     |
| 2558-02340        | 00000/0000                   | 2-20030/0531                | 08/02/76         | 90             | 7772          | 4020N                        | 11001E        | 53.8         | 118.8        | GGGG                               |                     |                      | 137                     | 32                     |
| 2558-02342        | 00000/0000                   | 2-20030/0532                | 08/02/76         | 90             | 7772          | 3855N                        | 10932E        | 54.2         | 116.6        | GGGG                               |                     |                      | 137                     | 33                     |
| 2558-02345        | 00000/0000                   | 2-20030/0533                | 08/02/76         | 90             | 7772          | 3730N                        | 10904E        | 54.5         | 114.4        | GGGG                               |                     |                      | 137                     | 34                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-UG  
FROM 01/22/76 TO 01/32/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2558-02351        | 30000/0000 2-20030/0534                        | 08/02/76         | 50             | 7772            | 3604N                              | 10837E                              | 54.8         | 112.2        | GGGG              |             |                     |                      |                         |                        |
| 2558-02354        | 30000/0000 2-20030/0535                        | 08/02/76         | 30             | 7772            | 3438N                              | 10810E                              | 55.1         | 110.0        | GGGG              |             |                     |                      | 137                     | 35                     |
| 2558-02360        | 30000/0000 2-20030/0536                        | 08/02/76         | 60             | 7772            | 3312N                              | 10744E                              | 55.3         | 107.7        | GGGG              |             |                     |                      | 137                     | 36                     |
| 2558-04115        | 30000/0000 2-20030/0577                        | 08/02/76         | 50             | 7773            | 5837N                              | 09243E                              | 45.0         | 144.4        | GGGG              |             |                     |                      | 137                     | 37                     |
| 2558-04121        | 30000/0000 2-20030/0578                        | 08/02/76         | 50             | 7773            | 5714N                              | 09149E                              | 45.8         | 142.5        | GGGG              |             |                     |                      | 155                     | 19                     |
| 2558-04124        | 30000/0000 2-20030/0579                        | 08/02/76         | 50             | 7773            | 5550N                              | 09059E                              | 46.7         | 140.6        | GGGG              |             |                     |                      | 155                     | 20                     |
| 2558-04130        | 30000/0000 2-20030/0580                        | 08/02/76         | 40             | 7773            | 5427N                              | 08912E                              | 47.5         | 138.8        | GGGG              |             |                     |                      | 155                     | 21                     |
| 2558-04133        | 30000/0000 2-20030/0581                        | 08/02/76         | 90             | 7773            | 5303N                              | 08827E                              | 48.3         | 136.9        | GGGG              |             |                     |                      | 155                     | 22                     |
| 2558-04135        | 30000/0000 2-20030/0582                        | 08/02/76         | 90             | 7773            | 5138N                              | 08845E                              | 49.0         | 135.0        | GGGG              |             |                     |                      | 155                     | 23                     |
| 2558-04301        | 30000/0000 2-20030/0611                        | 08/02/76         | 50             | 7773            | 0419S                              | 07237E                              | 43.6         | 60.4         | GGGG              |             |                     |                      | 155                     | 24                     |
| 2558-04303        | 30000/0000 2-20030/0612                        | 08/02/76         | 90             | 7773            | 0546S                              | 07217E                              | 42.7         | 59.3         | GGGG              |             |                     |                      | 155                     | 63                     |
| 2558-04310        | 30000/0000 2-20030/0613                        | 08/02/76         | 80             | 7773            | 0712S                              | 07157E                              | 41.8         | 58.4         | GGGG              |             |                     |                      | 155                     | 64                     |
| 2558-05544        | 30000/0000 2-20030/0614                        | 08/02/76         | 20             | 7774            | 6000N                              | 06755E                              | 44.1         | 146.2        | GGGG              |             |                     |                      | 155                     | 65                     |
| 2558-05550        | 30000/0000 2-20030/0615                        | 08/02/76         | 70             | 7774            | 5838N                              | 06657E                              | 45.0         | 144.4        | GGGG              |             |                     |                      | 173                     | 18                     |
| 2558-05553        | 30000/0000 2-20030/0616                        | 08/02/76         | 80             | 7774            | 5714N                              | 06603E                              | 45.8         | 142.5        | GGGG              |             |                     |                      | 173                     | 19                     |
| 2558-05555        | 30000/0000 2-20030/0617                        | 08/02/76         | 80             | 7774            | 5550N                              | 06512E                              | 46.7         | 140.6        | GGGG              |             |                     |                      | 173                     | 20                     |
| 2558-05562        | 30000/0000 2-20030/0618                        | 08/02/76         | 90             | 7774            | 5426N                              | 06424E                              | 47.5         | 138.8        | GGGG              |             |                     |                      | 173                     | 21                     |
| 2558-05564        | 30000/0000 2-20030/0619                        | 08/02/76         | 80             | 7774            | 5302N                              | 06340E                              | 48.3         | 136.9        | GGGG              |             |                     |                      | 173                     | 22                     |
| 2558-05571        | 30000/0000 2-20030/0620                        | 08/02/76         | 40             | 7774            | 5138N                              | 06258E                              | 49.0         | 135.0        | GGGG              |             |                     |                      | 173                     | 23                     |
| 2558-05573        | 30000/0000 2-20030/0621                        | 08/02/76         | 40             | 7774            | 5014N                              | 06217E                              | 49.7         | 133.1        | GGGG              |             |                     |                      | 173                     | 24                     |
| 2558-05580        | 30000/0000 2-20030/0622                        | 08/02/76         | 50             | 7774            | 4849N                              | 06140E                              | 50.4         | 131.1        | GGGG              |             |                     |                      | 173                     | 25                     |
| 2558-06012        | 30000/0000 2-20030/0623                        | 08/02/76         | 0              | 7774            | 3728N                              | 05725E                              | 54.5         | 114.5        | GGGG              |             |                     |                      | 173                     | 26                     |
| 2558-06014        | 30000/0000 2-20030/0624                        | 08/02/76         | 0              | 7774            | 3602N                              | 05658E                              | 54.8         | 112.3        | GGGG              |             |                     |                      | 173                     | 34                     |
| 2558-06021        | 30000/0000 2-20030/0625                        | 08/02/76         | 0              | 7774            | 3437N                              | 05632E                              | 55.1         | 110.0        | GGGG              |             |                     |                      | 173                     | 35                     |
| 2558-06023        | 30000/0000 2-20030/0626                        | 08/02/76         | 0              | 7774            | 3311N                              | 05606E                              | 55.3         | 107.8        | GGGG              |             |                     |                      | 173                     | 36                     |
| 2558-06030        | 30000/0000 2-20030/0627                        | 08/02/76         | 0              | 7774            | 3145N                              | 05541E                              | 55.4         | 105.5        | GGGG              |             |                     |                      | 173                     | 37                     |
| 2558-06032        | 30000/0000 2-20030/0628                        | 08/02/76         | 0              | 7774            | 3015N                              | 05516E                              | 55.5         | 103.2        | GGGG              |             |                     |                      | 173                     | 38                     |
| 2558-06035        | 30000/0000 2-20030/0629                        | 08/02/76         | 0              | 7774            | 2853N                              | 05452E                              | 55.6         | 100.9        | GGGG              |             |                     |                      | 173                     | 39                     |
| 2558-06041        | 30000/0000 2-20030/0630                        | 08/02/76         | 0              | 7774            | 2727N                              | 05428E                              | 55.5         | 98.7         | GGGG              |             |                     |                      | 173                     | 40                     |
| 2558-07371        | 30000/0000 2-20030/0648                        | 08/02/76         | 20             | 7775            | 6244N                              | 04415E                              | 42.2         | 150.1        | GGGG              |             |                     |                      | 191                     | 16                     |
| 2558-07373        | 30000/0000 2-20030/0649                        | 08/02/76         | 20             | 7775            | 6122N                              | 04308E                              | 43.2         | 148.1        | GGGG              |             |                     |                      | 191                     | 17                     |
| 2558-07380        | 30000/0000 2-20030/0650                        | 08/02/76         | 10             | 7775            | 6000N                              | 04206E                              | 44.1         | 146.2        | GGGG              |             |                     |                      | 191                     | 18                     |
| 2558-07382        | 30000/0000 2-20030/0651                        | 08/02/76         | 10             | 7775            | 5837N                              | 04108E                              | 45.0         | 144.4        | GGGG              |             |                     |                      | 191                     | 19                     |
| 2558-07385        | 30000/0000 2-20030/0728                        | 08/02/76         | 10             | 7775            | 5713N                              | 04014E                              | 45.8         | 142.5        | GGGG              |             |                     |                      | 191                     | 20                     |
| 2558-07391        | 30000/0000 2-20030/0729                        | 08/02/76         | 10             | 7775            | 5550N                              | 03923E                              | 46.7         | 140.6        | GGGG              |             |                     |                      | 191                     | 21                     |
| 2558-07394        | 30000/0000 2-20030/0730                        | 08/02/76         | 20             | 7775            | 5426N                              | 03836E                              | 47.5         | 138.8        | GGGG              |             |                     |                      | 191                     | 22                     |

KEYS: CLOUD COVER: 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY: BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE: (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN: (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM REEL NO./ POSITION IN REEL | DATE ACQUIRED | CLOUD COVER | SUN ELEV. | SUN AZIM. | IMAGE QUAL | MSS DATA MODE | MSS IMAGE GAIN | SUNIT PATH NUMBER | FRAME ROW NUMBER |
|----------------|--------------------------------------|---------------|-------------|-----------|-----------|------------|---------------|----------------|-------------------|------------------|
|                | REEL MSS                             |               | NUMBER      |           |           | 123 45678  |               |                |                   |                  |
| 2558-07400     | 30000/0000 2-20030/0731              | 08/02/76      | 20          | 7775      | 5302N     | 03751E     | 48.2 136.9    |                |                   |                  |
| 2558-07403     | 30000/0000 2-20030/0732              | 08/02/76      | 30          | 7775      | 5138N     | 03709E     | 49.0 135.0    | GGGG           | 191               | 23               |
| 2558-07405     | 30000/0000 2-20030/0733              | 08/02/76      | 20          | 7775      | 5013N     | 03629E     | 49.7 133.1    | GGGG           | 191               | 24               |
| 2558-07412     | 30000/0000 2-20030/0734              | 08/02/76      | 20          | 7776      | 4849N     | 03550E     | 50.4 131.2    | GGGG           | 191               | 25               |
| 2558-07423     | 30000/0000 2-20030/0735              | 08/02/76      | 10          | 7775      | 4494N     | 03404E     | 52.2 125.2    | GGGG           | 191               | 26               |
| 2558-10575     | 30000/0000 2-20030/0652              | 08/02/76      | 90          | 7777      | 7999N     | 03357E     | 27.7 198.6    | GGGG           | 191               | 29               |
| 2558-10584     | 30000/0000 2-20030/0653              | 08/02/76      | 90          | 7777      | 7742N     | 02210E     | 29.9 186.2    | GGGG           | 227               | 2                |
| 2558-10590     | 30000/0000 2-20030/0654              | 08/02/76      | 100         | 7777      | 7640N     | 01731E     | 31.0 181.2    | GGGG           | 227               | 4                |
| 2558-10593     | 30000/0000 2-20030/0655              | 08/02/76      | 100         | 7777      | 7534N     | 01331E     | 32.1 176.8    | GGGG           | 227               | 5                |
| 2558-13145     | 30000/0000 2-20030/0656              | 08/02/76      | 90          | 7778      | 3306S     | 06343W     | 22.5 48.5     | GGGG           | 227               | 6                |
| 2558-13151     | 30000/0000 2-20030/0657              | 08/02/76      | 100         | 7778      | 3432S     | 06409W     | 21.4 48.3     | GGGG           | 245               | 83               |
| 2558-14321     | 30000/0000 2-20030/0631              | 08/02/76      | 50          | 7779      | 5553N     | 06348W     | 46.6 140.7    | GGGG           | 12                | 21               |
| 2558-14324     | 30000/0000 2-20030/0632              | 08/02/76      | 50          | 7779      | 5429N     | 06435W     | 47.4 138.9    | GGGG           | 12                | 22               |
| 2558-14330     | 30000/0000 2-20030/0633              | 08/02/76      | 60          | 7779      | 5304N     | 06520W     | 48.2 137.0    | GGGG           | 12                | 23               |
| 2558-14333     | 30000/0000 2-20030/0634              | 08/02/76      | 50          | 7779      | 5140N     | 06602W     | 48.9 135.1    | GGGG           | 12                | 24               |
| 2558-14335     | 30000/0000 2-20030/0635              | 08/02/76      | 40          | 7779      | 5016N     | 06642W     | 49.6 133.2    | GGGG           | 12                | 25               |
| 2558-14342     | 30000/0000 2-20030/0636              | 08/02/76      | 30          | 7779      | 4851N     | 06720W     | 50.3 131.3    | GGGG           | 12                | 26               |
| 2558-14383     | 30000/0000 2-20030/0637              | 08/02/76      | 90          | 7779      | 3437N     | 07231W     | 55.0 110.2    | GGGG           | 12                | 36               |
| 2558-14385     | 30000/0000 2-20030/0638              | 08/02/76      | 70          | 7779      | 3312N     | 07257W     | 55.2 107.9    | GGGG           | 12                | 37               |
| 2558-14392     | 30000/0000 2-20030/0639              | 08/02/76      | 50          | 7779      | 3146N     | 07321W     | 55.4 105.7    | GGGG           | 12                | 38               |
| 2558-16171     | 30000/0000 2-20030/0601              | 08/02/76      | 10          | 7780      | 5015N     | 09234W     | 49.6 133.2    | G              | 30                | 25               |
| 2558-17500     | 2-20031/0035 30000/0000              | 08/02/76      | 10          | 7781      | 8041N     | 05408W     | 25.4 214.3    | GGG            | 30                | 248              |
| 2558-17503     | 2-20031/0036 30000/0000              | 08/02/76      | 0           | 7781      | 8010N     | 06219W     | 26.6 205.9    | GGG            | 48                | 1                |
| 2558-17505     | 2-20031/0037 30000/0000              | 08/02/76      | 20          | 7781      | 7928N     | 06934W     | 27.7 198.3    | GGG            | 48                | 2                |
| 2558-17512     | 2-20031/0038 30000/0000              | 08/02/76      | 70          | 7781      | 7838N     | 07554W     | 28.8 191.7    | GGG            | 48                | 3                |
| 2558-17514     | 2-20031/0039 30000/0000              | 08/02/76      | 80          | 7781      | 7740N     | 08120W     | 29.9 186.0    | GGG            | 48                | 4                |
| 2558-18003     | 30000/0000 2-20030/0780              | 08/02/76      | 90          | 7781      | 5015N     | 11823W     | 49.6 133.2    | GGGG           | 48                | 24               |
| 2558-19332     | 2-20031/0040 30000/0000              | 08/02/76      | 30          | 7782      | 8040N     | 07952W     | 25.4 214.2    | GGG            | 48                | 248              |
| 2558-19334     | 2-20031/0041 30000/0000              | 08/02/76      | 70          | 7782      | 8009N     | 08800W     | 26.6 205.8    | GGG            | 48                | 1                |
| 2558-21170     | 30000/0000 2-20030/0640              | 08/02/76      | 80          | 7783      | 8012N     | 11325W     | 26.5 206.3    | GFFF           | 84                | 1                |
| 2558-21172     | 30000/0000 2-20030/0641              | 08/02/76      | 100         | 7783      | 7930N     | 12044W     | 27.6 198.8    | GGGG           | 84                | 2                |
| 2558-21175     | 30000/0000 2-20030/0642              | 08/02/76      | 90          | 7783      | 7840N     | 12704W     | 28.7 192.1    | FGGG           | 84                | 3                |
| 2558-21184     | 30000/0000 2-20030/0643              | 08/02/76      | 80          | 7783      | 7642N     | 13714W     | 30.9 181.3    | GGGG           | 84                | 5                |
| 2558-21190     | 30000/0000 2-20030/0644              | 08/02/76      | 90          | 7783      | 7535N     | 14117W     | 32.0 176.9    | FGGG           | 84                | 6                |
| 2558-21193     | 30000/0000 2-20030/0645              | 08/02/76      | 40          | 7783      | 7425N     | 14444W     | 33.0 173.0    | GGGG           | 84                | 7                |
| 2558-21195     | 30000/0000 2-20030/0646              | 08/02/76      | 10          | 7783      | 7314N     | 14743W     | 34.1 169.6    | FGGG           | 84                | 8                |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | QUAL<br>123 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2558-21202        | 00000/0000 2-20030/0647                        | 08/02/76         | 20             | 7783            | 7159N                              | 15019W                              | 35.1         | 166.5        | FGGG              |             |                     |                      | 84                      | 9                      |
| 2559-00535        | 00000/0000 2-20030/0583                        | 08/03/76         | 90             | 7785            | 4849N                              | 13742E                              | 50.2         | 131.3        | FGFG              |             |                     |                      | 120                     | 24                     |
| 2559-00542        | 00000/0000 2-20030/0584                        | 08/03/76         | 90             | 7785            | 4724N                              | 13705E                              | 50.9         | 129.3        | FFFG              |             |                     |                      | 120                     | 27                     |
| 2559-00544        | 00000/0000 2-20030/0585                        | 08/03/76         | 80             | 7785            | 4559N                              | 13631E                              | 51.5         | 127.4        | GGGG              |             |                     |                      | 120                     | 28                     |
| 2559-00551        | 00000/0000 2-20030/0586                        | 08/03/76         | 30             | 7785            | 4433N                              | 13557E                              | 52.1         | 125.3        | GGGG              |             |                     |                      | 120                     | 29                     |
| 2559-00553        | 00000/0000 2-20030/0587                        | 08/03/76         | 10             | 7785            | 4309N                              | 13525E                              | 52.6         | 123.3        | GGFF              |             |                     |                      | 120                     | 30                     |
| 2559-00560        | 00000/0000 2-20030/0588                        | 08/03/76         | 20             | 7785            | 4143N                              | 13453E                              | 53.1         | 121.2        | GGGG              |             |                     |                      | 120                     | 31                     |
| 2559-00562        | 00000/0000 2-20030/0589                        | 08/03/76         | 70             | 7785            | 4018N                              | 13423E                              | 53.6         | 119.1        | FGGG              |             |                     |                      | 120                     | 32                     |
| 2559-00565        | 00000/0000 2-20030/0590                        | 08/03/76         | 90             | 7785            | 3852N                              | 13355E                              | 54.0         | 116.9        | GGFG              |             |                     |                      | 120                     | 33                     |
| 2559-01051        | 00000/0000 2-20030/0591                        | 08/03/76         | 100            | 7785            | 1007N                              | 12610E                              | 51.5         | 74.5         | GGGG              |             |                     |                      | 120                     | 53                     |
| 2559-01053        | 00000/0000 2-20030/0592                        | 08/03/76         | 90             | 7785            | 0840N                              | 12549E                              | 50.8         | 72.9         | GGGG              |             |                     |                      | 120                     | 54                     |
| 2559-01060        | 00000/0000 2-20030/0593                        | 08/03/76         | 70             | 7785            | 0714N                              | 12529E                              | 50.2         | 71.3         | FGGG              |             |                     |                      | 120                     | 55                     |
| 2559-02360        | 00000/0000 2-20030/0594                        | 08/03/76         | 90             | 7786            | 5303N                              | 11354E                              | 48.1         | 137.0        | FGGG              |             |                     |                      | 138                     | 23                     |
| 2559-02362        | 00000/0000 2-20030/0595                        | 08/03/76         | 100            | 7786            | 5139N                              | 11312E                              | 48.8         | 135.1        | FGGF              |             |                     |                      | 138                     | 24                     |
| 2559-02365        | 00000/0000 2-20030/0596                        | 08/03/76         | 100            | 7786            | 5014N                              | 11231E                              | 49.5         | 133.2        | FFFG              |             |                     |                      | 138                     | 25                     |
| 2559-02371        | 00000/0000 2-20030/0597                        | 08/03/76         | 90             | 7786            | 4848N                              | 11153E                              | 50.2         | 131.3        | GFGG              |             |                     |                      | 138                     | 26                     |
| 2559-02392        | 00000/0000 2-20030/0598                        | 08/03/76         | 90             | 7786            | 4144N                              | 10906E                              | 53.1         | 121.2        | FGGF              |             |                     |                      | 138                     | 31                     |
| 2559-02394        | 00000/0000 2-20030/0599                        | 08/03/76         | 90             | 7786            | 4020N                              | 10837E                              | 53.6         | 119.1        | FGGG              |             |                     |                      | 138                     | 32                     |
| 2559-02401        | 00000/0000 2-20030/0600                        | 08/03/76         | 90             | 7786            | 3855N                              | 10808E                              | 54.0         | 116.9        | GGGG              |             |                     |                      | 138                     | 33                     |
| 2559-02410        | 00000/0000 2-20030/0674                        | 08/03/76         | 90             | 7786            | 3603N                              | 10712E                              | 54.7         | 112.5        | GGGG              |             |                     |                      | 138                     | 35                     |
| 2559-02412        | 00000/0000 2-20030/0675                        | 08/03/76         | 70             | 7786            | 3437N                              | 10646E                              | 54.9         | 110.3        | GGGG              |             |                     |                      | 138                     | 36                     |
| 2559-02415        | 00000/0000 2-20030/0676                        | 08/03/76         | 50             | 7786            | 3310N                              | 10620E                              | 55.1         | 108.1        | GGGG              |             |                     |                      | 138                     | 37                     |
| 2559-04173        | 00000/0000 2-20030/0677                        | 08/03/76         | 40             | 7787            | 5839N                              | 09121E                              | 44.7         | 144.5        | GGGG              |             |                     |                      | 156                     | 19                     |
| 2559-04180        | 00000/0000 2-20030/0678                        | 08/03/76         | 50             | 7787            | 5716N                              | 09027E                              | 45.6         | 142.7        | GGGG              |             |                     |                      | 156                     | 20                     |
| 2559-04182        | 00000/0000 2-20030/0679                        | 08/03/76         | 50             | 7787            | 5553N                              | 08936E                              | 46.4         | 140.8        | FFGG              |             |                     |                      | 156                     | 21                     |
| 2559-04185        | 00000/0000 2-20030/0680                        | 08/03/76         | 70             | 7787            | 5429N                              | 08849E                              | 47.2         | 139.0        | GGFG              |             |                     |                      | 156                     | 22                     |
| 2559-04191        | 00000/0000 2-20030/0681                        | 08/03/76         | 100            | 7787            | 5305N                              | 08804E                              | 48.0         | 137.1        | FGGG              |             |                     |                      | 156                     | 23                     |
| 2559-04205        | 00000/0000 2-20030/0682                        | 08/03/76         | 10             | 7787            | 4726N                              | 08526E                              | 50.9         | 129.4        | FGGG              |             |                     |                      | 156                     | 27                     |
| 2559-06005        | 00000/0000 2-20030/0683                        | 08/03/76         | 10             | 7788            | 5839N                              | 06533E                              | 44.7         | 144.5        | FFF               |             |                     |                      | 174                     | 19                     |
| 2559-06014        | 00000/0000 2-20030/0672                        | 08/03/76         | 20             | 7788            | 5522N                              | 06349E                              | 46.4         | 140.8        | P F               |             |                     |                      | 174                     | 21                     |
| 2559-06020        | 00000/0000 2-20030/0673                        | 08/03/76         | 20             | 7788            | 5429N                              | 06302E                              | 47.2         | 139.0        | P F               |             |                     |                      | 174                     | 22                     |
| 2559-06023        | 00000/0000 2-20030/0684                        | 08/03/76         | 20             | 7788            | 5305N                              | 06217E                              | 48.0         | 137.1        | GGGG              |             |                     |                      | 174                     | 23                     |
| 2559-06082        | 00000/0000 2-20030/0685                        | 08/03/76         | 0              | 7788            | 3312N                              | 05441E                              | 55.1         | 108.2        | GGGG              |             |                     |                      | 174                     | 37                     |
| 2559-06084        | 00000/0000 2-20030/0686                        | 08/03/76         | 0              | 7788            | 3147N                              | 05416E                              | 55.3         | 105.9        | GFGG              |             |                     |                      | 174                     | 38                     |
| 2559-06091        | 00000/0000 2-20030/0687                        | 08/03/76         | 0              | 7788            | 3020N                              | 05351E                              | 55.4         | 103.7        | GGGG              |             |                     |                      | 174                     | 39                     |
| 2559-06093        | 00000/0000 2-20030/0688                        | 08/03/76         | 0              | 7788            | 2854N                              | 05327E                              | 55.5         | 101.4        | GGGG              |             |                     |                      | 174                     | 40                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. GGGGG. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-UB  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN RBL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBL<br>NUMBER |
|-------------------|-------------------------------------|------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2559-07431        | 00000/0000                          | 2-20030/0750     | 08/03/76         | 10             | 7789            | 6125N                              | 04145E                              | 42.9         | 148.3        | GGGG                               |                     |                      | 192                     | 17                     |
| 2559-07434        | 00000/0000                          | 2-20030/0751     | 08/03/76         | 20             | 7789            | 6002N                              | 04042E                              | 43.8         | 146.4        | GGGG                               |                     |                      | 192                     | 18                     |
| 2559-07440        | 00000/0000                          | 2-20030/0752     | 08/03/76         | 70             | 7789            | 5849N                              | 03944E                              | 44.7         | 144.5        | GGFF                               |                     |                      | 192                     | 19                     |
| 2559-07443        | 00000/0000                          | 2-20030/0753     | 08/03/76         | 50             | 7789            | 5716N                              | 03850E                              | 45.6         | 142.7        | FFFF                               |                     |                      | 192                     | 20                     |
| 2559-07445        | 00000/0000                          | 2-20030/0754     | 08/03/76         | 40             | 7739            | 5552N                              | 03800E                              | 46.4         | 140.8        | GGGG                               |                     |                      | 192                     | 21                     |
| 2559-07452        | 00000/0000                          | 2-20030/0755     | 08/03/76         | 20             | 7789            | 5429N                              | 03712E                              | 47.2         | 139.0        | FGGG                               |                     |                      | 192                     | 22                     |
| 2559-07454        | 00000/0000                          | 2-20030/0756     | 08/03/76         | 70             | 7789            | 5304N                              | 03627E                              | 48.0         | 137.1        | GGGG                               |                     |                      | 192                     | 23                     |
| 2559-07461        | 00000/0000                          | 2-20030/0757     | 08/03/76         | 90             | 7789            | 5140N                              | 03545E                              | 48.8         | 135.2        | GGGG                               |                     |                      | 192                     | 24                     |
| 2559-07463        | 00000/0000                          | 2-20030/0758     | 08/03/76         | 100            | 7789            | 5016N                              | 03505E                              | 49.5         | 133.3        | GGGG                               |                     |                      | 192                     | 25                     |
| 2559-07470        | 00000/0000                          | 2-20030/0759     | 08/03/76         | 90             | 7789            | 4811N                              | 03427E                              | 50.2         | 131.4        | GGGG                               |                     |                      | 192                     | 26                     |
| 2559-07472        | 00000/0000                          | 2-20030/0760     | 08/03/76         | 80             | 7789            | 4727N                              | 03350E                              | 50.8         | 129.5        | GGGG                               |                     |                      | 192                     | 27                     |
| 2559-07545        | 00000/0000                          | 2-20030/0761     | 08/03/76         | 0              | 7789            | 2142N                              | 02542E                              | 54.9         | 90.3         | GGGG                               |                     |                      | 192                     | 45                     |
| 2559-07552        | 00000/0000                          | 2-20030/0737     | 08/03/76         | 20             | 7789            | 2016N                              | 02520E                              | 54.7         | 88.2         | GGGG                               |                     |                      | 192                     | 46                     |
| 2559-11033        | 00000/0000                          | 2-20030/0738     | 08/03/76         | 50             | 7791            | 7930N                              | 03246E                              | 27.4         | 198.8        | GGGF                               |                     |                      | 228                     | 2                      |
| 2559-11035        | 00000/0000                          | 2-20030/0739     | 08/03/76         | 40             | 7791            | 7840N                              | 02624E                              | 28.5         | 192.1        | GGGG                               |                     |                      | 228                     | 3                      |
| 2559-11042        | 00000/0000                          | 2-20030/0740     | 08/03/76         | 30             | 7791            | 7743N                              | 02054E                              | 29.6         | 186.3        | GGGG                               |                     |                      | 228                     | 4                      |
| 2559-11044        | 00000/0000                          | 2-20030/0741     | 08/03/76         | 70             | 7791            | 7641N                              | 01614E                              | 30.7         | 181.3        | GGGG                               |                     |                      | 228                     | 5                      |
| 2559-11051        | 00000/0000                          | 2-20030/0742     | 08/03/76         | 90             | 7791            | 7536N                              | 01214E                              | 31.8         | 176.9        | GGGG                               |                     |                      | 228                     | 6                      |
| 2559-12462        | 00000/0000                          | 2-20030/0743     | 08/03/76         | 90             | 7792            | 8010N                              | 01420E                              | 26.3         | 206.3        | GGGG                               |                     |                      | 245                     | 1                      |
| 2559-12465        | 00000/0000                          | 2-20030/0744     | 08/03/76         | 90             | 7792            | 7929N                              | 00700E                              | 27.4         | 198.7        | GGGG                               |                     |                      | 246                     | 2                      |
| 2559-12474        | 00000/0000                          | 2-20030/0745     | 08/03/76         | 90             | 7792            | 7743N                              | 00449N                              | 29.6         | 186.3        | GGGG                               |                     |                      | 246                     | 4                      |
| 2559-12480        | 00000/0000                          | 2-20030/0746     | 08/03/76         | 90             | 7792            | 7641N                              | 00931W                              | 30.7         | 181.3        | GGGG                               |                     |                      | 246                     | 5                      |
| 2559-13203        | 00000/0000                          | 2-20030/0747     | 08/03/76         | 100            | 7792            | 3307S                              | 06509W                              | 22.7         | 48.7         | GGGG                               |                     |                      | 246                     | 83                     |
| 2559-14294        | 00000/0000                          | 2-20030/0748     | 08/03/76         | 90             | 7793            | 8012N                              | 01140W                              | 26.3         | 206.3        | GGGG                               |                     |                      | 13                      | 1                      |
| 2559-14300        | 00000/0000                          | 2-20030/0749     | 08/03/76         | 90             | 7793            | 7930N                              | 01401W                              | 27.4         | 198.7        | GGGG                               |                     |                      | 13                      | 2                      |
| 2559-14394        | 00000/0000                          | 2-20030/0718     | 08/03/76         | 50             | 7793            | 5014N                              | 06813W                              | 49.4         | 133.4        | FGGG                               |                     |                      | 13                      | 25                     |
| 2559-14400        | 00000/0000                          | 2-20030/0719     | 08/03/76         | 30             | 7793            | 4849N                              | 06851W                              | 50.1         | 131.4        | GGGG                               |                     |                      | 13                      | 26                     |
| 2559-14453        | 00000/0000                          | 2-20030/0720     | 08/03/76         | 70             | 7793            | 3018N                              | 07513W                              | 55.4         | 103.8        | GGGG                               |                     |                      | 13                      | 39                     |
| 2559-14455        | 00000/0000                          | 2-20030/0721     | 08/03/76         | 80             | 7793            | 2822N                              | 07537W                              | 55.4         | 101.5        | GGGG                               |                     |                      | 13                      | 40                     |
| 2559-14462        | 00000/0000                          | 2-20030/0722     | 08/03/76         | 80             | 7793            | 2726N                              | 07601W                              | 55.4         | 99.2         | GFGG                               |                     |                      | 13                      | 41                     |
| 2559-17554        | 2-20031/0042                        | 00000/0000       | 08/03/76         | 0              | 7795            | 8041N                              | 05518W                              | 25.2         | 214.5        | GGG                                |                     |                      | 31                      | 248                    |
| 2559-17561        | 2-20031/0043                        | 00000/0000       | 08/03/76         | 0              | 7795            | 8010N                              | 06332W                              | 26.3         | 206.1        | GGG                                |                     |                      | 49                      | 1                      |
| 2559-17563        | 2-20031/0044                        | 00000/0000       | 08/03/76         | 0              | 7795            | 7929N                              | 07047W                              | 27.4         | 198.5        | GGG                                |                     |                      | 49                      | 2                      |
| 2559-17570        | 2-20031/0045                        | 00000/0000       | 08/03/76         | 0              | 7795            | 7839N                              | 07707W                              | 28.5         | 191.9        | GGG                                |                     |                      | 49                      | 3                      |
| 2559-17572        | 2-20031/0046                        | 00000/0000       | 08/03/76         | 20             | 7795            | 7742N                              | 08235W                              | 29.6         | 186.1        | GGG                                |                     |                      | 49                      | 4                      |
| 2559-19390        | 2-20031/0047                        | 00000/0000       | 08/03/76         | 20             | 7796            | 8039N                              | 08152W                              | 29.2         | 213.7        | GGG                                |                     |                      | 49                      | 248                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0408

| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2559-19393        | 2-20031/0048                                   | 08/03/76         | 30             | 7796            | 8007N                              | 08959W                              | 26.4         | 205.4        | GGG               |                     |                      | 67                      | 1                      |
| 2559-21260        | 00000/0000                                     | 08/03/76         | 90             | 7797            | 7201N                              | 15139W                              | 34.9         | 166.6        | GGG               |                     |                      | 85                      | 9                      |
| 2559-23344        | 00000/0000                                     | 08/03/76         | 10             | 7798            | 1475S                              | 14450E                              | 37.1         | 54.7         | GGGG              |                     |                      | 103                     | 70                     |
| 2560-01014        | 00000/0000                                     | 08/04/76         | 50             | 7799            | 4145N                              | 13330E                              | 52.9         | 121.5        | GGGG              |                     |                      | 121                     | 31                     |
| 2560-01021        | 00000/0000                                     | 08/04/76         | 60             | 7799            | 4021N                              | 13959E                              | 53.4         | 119.4        | GGGG              |                     |                      | 121                     | 32                     |
| 2560-01023        | 00000/0000                                     | 08/04/76         | 70             | 7799            | 3856N                              | 13229E                              | 53.8         | 117.3        | GGGG              |                     |                      | 121                     | 33                     |
| 2560-01091        | 00000/0000                                     | 08/04/76         | 50             | 7799            | 1585N                              | 12407E                              | 53.6         | 82.4         | GGGG              |                     |                      | 121                     | 49                     |
| 2560-01094        | 00000/0000                                     | 08/04/76         | 40             | 7799            | 1428N                              | 12546E                              | 53.1         | 80.4         | GGGG              |                     |                      | 121                     | 50                     |
| 2560-01100        | 00000/0000                                     | 08/04/76         | 10             | 7799            | 1302N                              | 12525E                              | 52.6         | 78.6         | GGGG              |                     |                      | 121                     | 51                     |
| 2560-01103        | 00000/0000                                     | 08/04/76         | 50             | 7799            | 1136N                              | 12504E                              | 52.1         | 76.8         | GGGG              |                     |                      | 121                     | 52                     |
| 2560-01105        | 00000/0000                                     | 08/04/76         | 60             | 7799            | 1009N                              | 12444E                              | 51.5         | 75.0         | GGGG              |                     |                      | 121                     | 53                     |
| 2560-01112        | 00000/0000                                     | 08/04/76         | 60             | 7799            | 0842N                              | 12424E                              | 50.9         | 73.3         | GGGG              |                     |                      | 121                     | 54                     |
| 2560-01114        | 00000/0000                                     | 08/04/76         | 90             | 7799            | 0716N                              | 12404E                              | 50.2         | 71.7         | GGGG              |                     |                      | 121                     | 55                     |
| 2560-02450        | 00000/0000                                     | 08/04/76         | 10             | 7800            | 4146N                              | 10740E                              | 52.9         | 121.6        | G                 |                     |                      | 139                     | 31                     |
| 2560-02452        | 00000/0000                                     | 08/04/76         | 10             | 7800            | 4021N                              | 10710E                              | 53.4         | 119.5        | GGGG              |                     |                      | 139                     | 32                     |
| 2560-02455        | 00000/0000                                     | 08/04/76         | 60             | 7800            | 3856N                              | 10641E                              | 53.8         | 117.3        | GGGG              |                     |                      | 139                     | 33                     |
| 2560-02461        | 00000/0000                                     | 08/04/76         | 90             | 7800            | 3731N                              | 10613E                              | 54.2         | 115.1        | GGGG              |                     |                      | 139                     | 34                     |
| 2560-02464        | 00000/0000                                     | 08/04/76         | 90             | 7800            | 3635N                              | 10545E                              | 54.5         | 113.0        | GGGG              |                     |                      | 139                     | 35                     |
| 2560-04231        | 00000/0000                                     | 08/04/76         | 90             | 7801            | 5838N                              | 08956E                              | 44.5         | 144.6        | G GG              |                     |                      | 157                     | 19                     |
| 2560-04234        | 00000/0000                                     | 08/04/76         | 90             | 7801            | 5715N                              | 08902E                              | 45.4         | 142.8        | GGGG              |                     |                      | 157                     | 20                     |
| 2560-04240        | 00000/0000                                     | 08/04/76         | 80             | 7801            | 5551N                              | 08811E                              | 46.2         | 141.0        | GGGG              |                     |                      | 157                     | 21                     |
| 2560-04243        | 00000/0000                                     | 08/04/76         | 90             | 7801            | 5428N                              | 08723E                              | 47.0         | 139.1        | GGGG              |                     |                      | 157                     | 22                     |
| 2560-04245        | 00000/0000                                     | 08/04/76         | 60             | 7801            | 5303N                              | 08639E                              | 47.8         | 137.3        | GGGG              |                     |                      | 157                     | 23                     |
| 2560-04252        | 00000/0000                                     | 08/04/76         | 60             | 7801            | 5139N                              | 08556E                              | 48.6         | 135.4        | GGGG              |                     |                      | 157                     | 24                     |
| 2560-04254        | 00000/0000                                     | 08/04/76         | 60             | 7801            | 5014N                              | 08516E                              | 49.3         | 133.5        | GGGG              |                     |                      | 157                     | 25                     |
| 2560-04261        | 00000/0000                                     | 08/04/76         | 30             | 7801            | 4850N                              | 08437E                              | 50.0         | 131.6        | GGGG              |                     |                      | 157                     | 26                     |
| 2560-04263        | 00000/0000                                     | 08/04/76         | 30             | 7801            | 4725N                              | 08400E                              | 50.7         | 129.7        | GGGG              |                     |                      | 157                     | 27                     |
| 2560-06063        | 00000/0000                                     | 08/04/76         | 10             | 7802            | 5837N                              | 06404E                              | 44.5         | 144.6        | GGGG              |                     |                      | 175                     | 19                     |
| 2560-06065        | 00000/0000                                     | 08/04/76         | 10             | 7802            | 5714N                              | 06310E                              | 45.3         | 142.8        | GGGG              |                     |                      | 175                     | 20                     |
| 2560-06072        | 00000/0000                                     | 08/04/76         | 10             | 7802            | 5551N                              | 06220E                              | 46.2         | 141.0        | GGGG              |                     |                      | 175                     | 21                     |
| 2560-06074        | 00000/0000                                     | 08/04/76         | 10             | 7802            | 5427N                              | 06133E                              | 47.0         | 139.1        | GGGG              |                     |                      | 175                     | 22                     |
| 2560-06092        | 00000/0000                                     | 08/04/76         | 10             | 7802            | 4850N                              | 05848E                              | 50.0         | 131.6        | GGGG              |                     |                      | 175                     | 23                     |
| 2560-06124        | 00000/0000                                     | 08/04/76         | 10             | 7802            | 3728N                              | 05433E                              | 54.2         | 115.2        | GGG               |                     |                      | 175                     | 24                     |
| 2560-06151        | 00000/0000                                     | 08/04/76         | 0              | 7802            | 2822N                              | 05159E                              | 55.3         | 101.8        | GGGG              |                     |                      | 175                     | 40                     |
| 2560-07490        | 00000/0000                                     | 08/04/76         | 70             | 7803            | 6123N                              | 04020E                              | 42.7         | 148.4        | GGGG              |                     |                      | 193                     | 17                     |
| 2560-07492        | 00000/0000                                     | 08/04/76         | 80             | 7803            | 6001N                              | 03918E                              | 43.6         | 146.5        | GGGG              |                     |                      | 193                     | 18                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 25, 177

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2560-07495        | 00000/0000                   | 2-20030/0691                | 08/04/76         | 80             | 7803            | 5838N                        | 03820E        | 44.5         | 144.6        | GGGG                               |                     |                      | 193                     | 19                     |
| 2560-07501        | 00000/0000                   | 2-20030/0692                | 08/04/76         | 90             | 7803            | 5714N                        | 03726E        | 45.3         | 142.8        | GGGF                               |                     |                      | 193                     | 20                     |
| 2560-07504        | 00000/0000                   | 2-20030/0693                | 08/04/76         | 90             | 7803            | 5551N                        | 03635E        | 46.2         | 141.0        | GGGG                               |                     |                      | 193                     | 21                     |
| 2560-07510        | 00000/0000                   | 2-20030/0694                | 08/04/76         | 90             | 7803            | 5427N                        | 03547E        | 47.0         | 139.1        | GGGG                               |                     |                      | 193                     | 22                     |
| 2560-07513        | 00000/0000                   | 2-20030/0695                | 08/04/76         | 70             | 7803            | 5303N                        | 03402E        | 47.8         | 137.3        | GGGG                               |                     |                      | 193                     | 23                     |
| 2560-07515        | 00000/0000                   | 2-20030/0696                | 08/04/76         | 50             | 7803            | 5139N                        | 03420E        | 48.5         | 135.4        | GGGG                               |                     |                      | 193                     | 24                     |
| 2560-07522        | 00000/0000                   | 2-20030/0697                | 08/04/76         | 40             | 7803            | 5015N                        | 03339E        | 49.3         | 133.8        | GGGG                               |                     |                      | 193                     | 25                     |
| 2560-07524        | 00000/0000                   | 2-20030/0698                | 08/04/76         | 30             | 7803            | 4850N                        | 03301E        | 50.0         | 131.6        | GGGG                               |                     |                      | 193                     | 26                     |
| 2560-07531        | 00000/0000                   | 2-20030/0699                | 08/04/76         | 10             | 7803            | 4725N                        | 03225E        | 50.6         | 129.7        | GGGG                               |                     |                      | 193                     | 27                     |
| 2560-07533        | 00000/0000                   | 2-20030/0700                | 08/04/76         | 0              | 7803            | 4600N                        | 03150E        | 51.3         | 127.7        | GGFG                               |                     |                      | 193                     | 28                     |
| 2560-07595        | 00000/0000                   | 2-20030/0701                | 08/04/76         | 50             | 7803            | 2433N                        | 02501E        | 55.2         | 95.1         | GGGG                               |                     |                      | 193                     | 43                     |
| 2560-08001        | 00000/0000                   | 2-20030/0702                | 08/04/76         | 50             | 7803            | 2307N                        | 02439E        | 55.1         | 92.9         | GGGG                               |                     |                      | 193                     | 44                     |
| 2560-08004        | 00000/0000                   | 2-20030/0703                | 08/04/76         | 50             | 7803            | 2140N                        | 02417E        | 54.9         | 90.7         | GGFG                               |                     |                      | 193                     | 45                     |
| 2560-08010        | 00000/0000                   | 2-20030/0704                | 08/04/76         | 50             | 7803            | 2014N                        | 02350E        | 54.6         | 88.6         | GGFG                               |                     |                      | 193                     | 46                     |
| 2560-14452        | 00000/0000                   | 2-20030/0723                | 08/04/76         | 20             | 7807            | 5016N                        | 06935W        | 49.2         | 133.6        | GGGG                               |                     |                      | 14                      | 25                     |
| 2560-14454        | 00000/0000                   | 2-20030/0724                | 08/04/76         | 10             | 7807            | 4851N                        | 07013W        | 49.9         | 131.7        | GGGG                               |                     |                      | 14                      | 26                     |
| 2560-14520        | 00000/0000                   | 2-20030/0725                | 08/04/76         | 30             | 7807            | 2728N                        | 07725W        | 55.3         | 99.7         | GGGG                               |                     |                      | 14                      | 41                     |
| 2560-14522        | 00000/0000                   | 2-20030/0726                | 08/04/76         | 30             | 7807            | 2602N                        | 07748W        | 55.3         | 97.5         | GGFG                               |                     |                      | 14                      | 42                     |
| 2560-14525        | 00000/0000                   | 2-20030/0727                | 08/04/76         | 40             | 7807            | 2436N                        | 07812W        | 55.2         | 95.3         | GGGG                               |                     |                      | 14                      | 43                     |
| 2560-18283        | 00000/0000                   | 2-20030/0825                | 08/04/76         | 90             | 7809            | 5016N                        | 09526W        | 49.2         | 133.6        | GGFG                               |                     |                      | 32                      | 25                     |
| 2560-18013        | 2-20031/0049                 | 00000/0000                  | 08/04/76         | 20             | 7809            | 8041N                        | 05720W        | 24.9         | 214.0        | GG                                 |                     |                      | 32                      | 248                    |
| 2560-18015        | 2-20031/0050                 | 00000/0000                  | 08/04/76         | 70             | 7809            | 8009N                        | 06529W        | 26.1         | 205.6        | GGG                                |                     |                      | 50                      | 1                      |
| 2560-18022        | 2-20031/0051                 | 00000/0000                  | 08/04/76         | 50             | 7809            | 7927N                        | 07244W        | 27.2         | 198.1        | GGG                                |                     |                      | 50                      | 2                      |
| 2560-18024        | 2-20031/0052                 | 00000/0000                  | 08/04/76         | 30             | 7809            | 7835N                        | 07900W        | 28.3         | 191.6        | GGG                                |                     |                      | 50                      | 3                      |
| 2560-18031        | 2-20031/0053                 | 00000/0000                  | 08/04/76         | 40             | 7809            | 7738N                        | 08420W        | 29.4         | 185.9        | GG                                 |                     |                      | 50                      | 4                      |
| 2560-18092        | 00000/0000                   | 2-20030/0773                | 08/04/76         | 10             | 7809            | 5839N                        | 11436W        | 44.3         | 144.7        | GGGG                               |                     |                      | 50                      | 19                     |
| 2560-18095        | 00000/0000                   | 2-20030/0774                | 08/04/76         | 30             | 7809            | 5716N                        | 11730W        | 45.2         | 142.9        | GGGG                               |                     |                      | 50                      | 20                     |
| 2560-18101        | 00000/0000                   | 2-20030/0775                | 08/04/76         | 90             | 7809            | 5552N                        | 11820W        | 46.0         | 141.1        | GGGG                               |                     |                      | 50                      | 21                     |
| 2560-18104        | 00000/0000                   | 2-20030/0776                | 08/04/76         | 90             | 7809            | 5429N                        | 11908W        | 46.9         | 139.2        | GGGG                               |                     |                      | 50                      | 22                     |
| 2560-18110        | 00000/0000                   | 2-20030/0777                | 08/04/76         | 90             | 7809            | 5305N                        | 11952W        | 47.7         | 137.4        | GGGG                               |                     |                      | 50                      | 23                     |
| 2560-18113        | 00000/0000                   | 2-20030/0778                | 08/04/76         | 90             | 7809            | 5140N                        | 12035W        | 48.4         | 135.5        | GGGG                               |                     |                      | 50                      | 24                     |
| 2560-18115        | 00000/0000                   | 2-20030/0779                | 08/04/76         | 90             | 7809            | 5014N                        | 12115W        | 49.2         | 133.7        | GGGG                               |                     |                      | 50                      | 25                     |
| 2560-19444        | 2-20031/0054                 | 00000/0000                  | 08/04/76         | 80             | 7810            | 8041N                        | 08P14W        | 24.8         | 214.6        | G G                                |                     |                      | 49                      | 248                    |
| 2560-19451        | 2-20031/0055                 | 00000/0000                  | 08/04/76         | 70             | 7810            | 8010N                        | 09028W        | 26.0         | 206.2        | GGF                                |                     |                      | 48                      | 1                      |
| 2560-23461        | 00000/0000                   | 2-20030/0802                | 08/04/76         | 60             | 7812            | 3435S                        | 13804E        | 21.8         | 45.8         | GGGG                               |                     |                      | 104                     | 84                     |
| 2561-01052        | 00000/0000                   | 2-20030/0803                | 08/05/76         | 90             | 7813            | 4848N                        | 13450E        | 49.8         | 131.8        | GGGG                               |                     |                      | 122                     | 26                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>REEL | ROLL NO.<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>NUMBER |
|-------------------|----------------------------------|-----------------|------------------|----------------|---------------|------------------------------|-------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|-----------------|
| 2561-01054        | 00000/0000                       | 2-20030/0804    | 08/05/76         | 90             | 7813          | 4754N                        | 13413E                        | 50.5         | 129.8        | GGGG                               |                     |                      | 122                     | 27              |
| 2561-01061        | 00000/0000                       | 2-20030/0805    | 08/05/76         | 90             | 7813          | 4559N                        | 13338E                        | 51.1         | 127.9        | GGGG                               |                     |                      | 122                     | 28              |
| 2561-01120        | 00000/0000                       | 2-20030/0806    | 08/05/76         | 30             | 7813          | 2959N                        | 12713E                        | 55.3         | 97.6         | GGGG                               |                     |                      | 122                     | 42              |
| 2561-01145        | 00000/0000                       | 2-20030/0807    | 08/05/76         | 30             | 7813          | 1553N                        | 12440E                        | 53.6         | 82.8         | GGGG                               |                     |                      | 122                     | 49              |
| 2561-01152        | 00000/0000                       | 2-20030/0808    | 08/05/76         | 40             | 7813          | 1406N                        | 12419E                        | 53.1         | 80.8         | GGGG                               |                     |                      | 122                     | 50              |
| 2561-01154        | 00000/0000                       | 2-20030/0809    | 08/05/76         | 40             | 7813          | 1300N                        | 12358E                        | 52.6         | 79.0         | GGGG                               |                     |                      | 122                     | 51              |
| 2561-01161        | 00000/0000                       | 2-20030/0810    | 08/05/76         | 30             | 7813          | 1133N                        | 12338E                        | 52.1         | 77.1         | FGGG                               |                     |                      | 122                     | 52              |
| 2561-01163        | 00000/0000                       | 2-20030/0811    | 08/05/76         | 30             | 7813          | 1006N                        | 12317E                        | 51.5         | 75.4         | GGGG                               |                     |                      | 122                     | 53              |
| 2561-01170        | 00000/0000                       | 2-20030/0812    | 08/05/76         | 20             | 7813          | 0840N                        | 12257E                        | 50.9         | 73.7         | GGGG                               |                     |                      | 122                     | 54              |
| 2561-01172        | 00000/0000                       | 2-20030/0813    | 08/05/76         | 50             | 7813          | 0713N                        | 12237E                        | 50.3         | 72.1         | GGGG                               |                     |                      | 122                     | 55              |
| 2561-02463        | 00000/0000                       | 2-20030/0814    | 08/05/76         | 60             | 7814          | 5554N                        | 11236E                        | 46.0         | 141.1        | GGGG                               |                     |                      | 140                     | 21              |
| 2561-02465        | 00000/0000                       | 2-20030/0815    | 08/05/76         | 50             | 7814          | 5430N                        | 11149E                        | 46.8         | 139.3        | GGGG                               |                     |                      | 140                     | 22              |
| 2561-02472        | 00000/0000                       | 2-20030/0816    | 08/05/76         | 50             | 7814          | 5306N                        | 11105E                        | 47.6         | 137.5        | GGGG                               |                     |                      | 140                     | 23              |
| 2561-02474        | 00000/0000                       | 2-20030/0817    | 08/05/76         | 90             | 7814          | 5142N                        | 11022E                        | 48.3         | 135.6        | GGGG                               |                     |                      | 140                     | 24              |
| 2561-02481        | 00000/0000                       | 2-20030/0818    | 08/05/76         | 90             | 7814          | 5017N                        | 10941E                        | 49.1         | 133.8        | GGGG                               |                     |                      | 140                     | 25              |
| 2561-04290        | 00000/0000                       | 2-20030/0888    | 08/05/76         | 70             | 7815          | 5849N                        | 08429E                        | 44.2         | 144.8        | GGGG                               |                     |                      | 158                     | 19              |
| 2561-04292        | 00000/0000                       | 2-20030/0889    | 08/05/76         | 80             | 7815          | 5716N                        | 08735E                        | 45.1         | 143.0        | GGGG                               |                     |                      | 158                     | 20              |
| 2561-04295        | 00000/0000                       | 2-20030/0890    | 08/05/76         | 60             | 7815          | 5552N                        | 08644E                        | 45.9         | 141.2        | GGGG                               |                     |                      | 158                     | 21              |
| 2561-04301        | 00000/0000                       | 2-20030/0864    | 08/05/76         | 50             | 7815          | 5479N                        | 08557E                        | 46.8         | 139.3        | FGGG                               |                     |                      | 158                     | 22              |
| 2561-04304        | 00000/0000                       | 2-20030/0865    | 08/05/76         | 40             | 7815          | 5305N                        | 08512E                        | 47.6         | 137.5        | GGGG                               |                     |                      | 158                     | 23              |
| 2561-04310        | 00000/0000                       | 2-20030/0826    | 08/05/76         | 80             | 7815          | 5141N                        | 08430E                        | 48.3         | 135.6        | GGGG                               |                     |                      | 158                     | 24              |
| 2561-04313        | 00000/0000                       | 2-20030/0846    | 08/05/76         | 50             | 7815          | 5016N                        | 08349E                        | 49.0         | 133.8        | GGGG                               |                     |                      | 158                     | 25              |
| 2561-04315        | 00000/0000                       | 2-20030/0847    | 08/05/76         | 30             | 7815          | 4852N                        | 08311E                        | 49.8         | 131.9        | GGGG                               |                     |                      | 158                     | 26              |
| 2561-04322        | 00000/0000                       | 2-20030/0848    | 08/05/76         | 20             | 7815          | 4707N                        | 08234E                        | 50.4         | 129.9        | GGGG                               |                     |                      | 158                     | 27              |
| 2561-04324        | 00000/0000                       | 2-20030/0849    | 08/05/76         | 40             | 7815          | 4602N                        | 08159E                        | 51.1         | 128.0        | GGGG                               |                     |                      | 158                     | 28              |
| 2561-04331        | 00000/0000                       | 2-20030/0850    | 08/05/76         | 40             | 7815          | 4437N                        | 08126E                        | 51.6         | 126.0        | GGGG                               |                     |                      | 158                     | 29              |
| 2561-04333        | 00000/0000                       | 2-20030/0851    | 08/05/76         | 40             | 7815          | 4311N                        | 08054E                        | 52.2         | 124.0        | GGGG                               |                     |                      | 158                     | 30              |
| 2561-04351        | 00000/0000                       | 2-20030/0852    | 08/05/76         | 100            | 7815          | 3709N                        | 07456E                        | 54.0         | 115.6        | FGGG                               |                     |                      | 158                     | 34              |
| 2561-04354        | 00000/0000                       | 2-20030/0853    | 08/05/76         | 80             | 7815          | 3604N                        | 07429E                        | 54.3         | 113.4        | GGGG                               |                     |                      | 158                     | 35              |
| 2561-04360        | 00000/0000                       | 2-20030/0854    | 08/05/76         | 80             | 7815          | 3438N                        | 07403E                        | 54.6         | 111.2        | FFFF                               |                     |                      | 158                     | 36              |
| 2561-04363        | 00000/0000                       | 2-20030/0855    | 08/05/76         | 80             | 7815          | 3312N                        | 07377E                        | 54.9         | 109.0        | FFFF                               |                     |                      | 158                     | 37              |
| 2561-06115        | 00000/0000                       | 2-20030/0856    | 08/05/76         | 10             | 7816          | 6003N                        | 06340E                        | 43.3         | 146.7        | GGGG                               |                     |                      | 176                     | 18              |
| 2561-06121        | 00000/0000                       | 2-20030/0857    | 08/05/76         | 20             | 7816          | 5840N                        | 06241E                        | 44.2         | 144.8        | FGGG                               |                     |                      | 176                     | 19              |
| 2561-06124        | 00000/0000                       | 2-20030/0858    | 08/05/76         | 10             | 7816          | 5717N                        | 06147E                        | 45.1         | 143.0        | FGGG                               |                     |                      | 176                     | 20              |
| 2561-06130        | 00000/0000                       | 2-20030/0859    | 08/05/76         | 30             | 7816          | 5553N                        | 06056E                        | 45.9         | 141.2        | FGGG                               |                     |                      | 176                     | 21              |
| 2561-06133        | 00000/0000                       | 2-20030/0860    | 08/05/76         | 40             | 7816          | 5479N                        | 06008E                        | 46.7         | 139.3        | GGGG                               |                     |                      | 176                     | 22              |

KEYS: CLOUD COVER 1 ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, AND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS DATA<br>123 45678 MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|----------------------------------------------|----------------------|-------------------------|------------------------|
| 2561-06135        | 00000/0000                   | 2-20030/0861                | 08/05/76         | 30             | 7816            | 5305N                        | 05923E        | 47.5         | 137.5        |                                              |                      |                         |                        |
| 2561-06142        | 00000/0000                   | 2-20030/0862                | 08/05/76         | 20             | 7816            | 5141N                        | 05841E        | 48.3         | 135.6        | GGFF                                         |                      | 176                     | 23                     |
| 2561-06144        | 00000/0000                   | 2-20030/0863                | 08/05/76         | 10             | 7816            | 5017N                        | 05800E        | 49.0         | 133.8        | GGGG                                         |                      | 176                     | 24                     |
| 2561-07544        | 00000/0000                   | 2-20030/0827                | 08/05/76         | 100            | 7817            | 6124N                        | 03853E        | 42.4         | 148.5        | GGGG                                         |                      | 176                     | 25                     |
| 2561-07550        | 00000/0000                   | 2-20030/0828                | 08/05/76         | 100            | 7817            | 6002N                        | 03750E        | 43.3         | 146.7        | GGGG                                         |                      | 194                     | 17                     |
| 2561-07553        | 00000/0000                   | 2-20030/0829                | 08/05/76         | 100            | 7817            | 5839N                        | 03682E        | 44.2         | 144.8        | GGGG                                         |                      | 194                     | 18                     |
| 2561-07555        | 00000/0000                   | 2-20030/0830                | 08/05/76         | 40             | 7817            | 5716N                        | 03558E        | 45.1         | 143.0        | GGGG                                         |                      | 194                     | 19                     |
| 2561-07562        | 00000/0000                   | 2-20030/0831                | 08/05/76         | 20             | 7817            | 5542N                        | 03507E        | 45.9         | 141.2        | GGGG                                         |                      | 194                     | 20                     |
| 2561-07564        | 00000/0000                   | 2-20030/0832                | 08/05/76         | 40             | 7817            | 5428N                        | 03420E        | 46.7         | 139.3        | GGGG                                         |                      | 194                     | 21                     |
| 2561-07571        | 00000/0000                   | 2-20030/0833                | 08/05/76         | 60             | 7817            | 5304N                        | 03335E        | 47.5         | 137.5        | GGGG                                         |                      | 194                     | 22                     |
| 2561-07573        | 00000/0000                   | 2-20030/0834                | 08/05/76         | 90             | 7817            | 5140N                        | 03253E        | 48.3         | 135.7        | GGGG                                         |                      | 194                     | 23                     |
| 2561-07580        | 00000/0000                   | 2-20030/0835                | 08/05/76         | 50             | 7817            | 5016N                        | 03212E        | 49.0         | 133.8        | GGGG                                         |                      | 194                     | 24                     |
| 2561-07582        | 00000/0000                   | 2-20030/0836                | 08/05/76         | 40             | 7817            | 4851N                        | 03134E        | 49.7         | 131.9        | GGGG                                         |                      | 194                     | 25                     |
| 2561-08053        | 00000/0000                   | 2-20030/0837                | 08/05/76         | 0              | 7817            | 4734N                        | 02335E        | 55.1         | 95.6         | GGGG                                         |                      | 194                     | 26                     |
| 2561-08055        | 00000/0000                   | 2-20030/0838                | 08/05/76         | 0              | 7817            | 2308N                        | 02312E        | 55.0         | 93.4         | GGGG                                         |                      | 194                     | 43                     |
| 2561-08062        | 00000/0000                   | 2-20030/0839                | 08/05/76         | 10             | 7817            | 2141N                        | 02250E        | 54.8         | 91.2         | GGGG                                         |                      | 194                     | 44                     |
| 2561-08064        | 00000/0000                   | 2-20030/0840                | 08/05/76         | 0              | 7817            | 2015N                        | 02228E        | 54.6         | 89.1         | GGGG                                         |                      | 194                     | 45                     |
| 2561-14510        | 00000/0000                   | 2-20030/0841                | 08/05/76         | 100            | 7821            | 5015N                        | 07103W        | 49.0         | 133.8        | G                                            |                      | 15                      | 25                     |
| 2561-14513        | 00000/0000                   | 2-20030/0842                | 08/05/76         | 100            | 7821            | 4850N                        | 07141W        | 49.7         | 131.9        | GGGG                                         |                      | 15                      | 26                     |
| 2561-18071        | 2-20031/0056                 | 00000/0000                  | 08/05/76         | 90             | 7823            | 8043N                        | 05752W        | 24.6         | 214.8        | G G                                          |                      | 39                      | 247                    |
| 2561-18073        | 2-20031/0057                 | 00000/0000                  | 08/05/76         | 80             | 7823            | 8012N                        | 06559W        | 25.7         | 206.4        | GGG                                          |                      | 50                      | 1                      |
| 2561-18080        | 2-20031/0058                 | 00000/0000                  | 08/05/76         | 90             | 7823            | 7932N                        | 07319W        | 26.8         | 198.8        | GGG                                          |                      | 51                      | 2                      |
| 2561-18082        | 2-20031/0059                 | 00000/0000                  | 08/05/76         | 90             | 7823            | 7842N                        | 07945W        | 27.9         | 192.2        | GGG                                          |                      | 51                      | 3                      |
| 2561-18085        | 2-20031/0060                 | 00000/0000                  | 08/05/76         | 100            | 7823            | 7745N                        | 08516W        | 29.0         | 186.4        | GGG                                          |                      | 51                      | 4                      |
| 2561-18153        | 00000/0000                   | 2-20030/0819                | 08/05/76         | 60             | 7823            | 5718N                        | 11853W        | 44.9         | 143.1        | GGGG                                         |                      | 51                      | 20                     |
| 2561-18155        | 00000/0000                   | 2-20030/0820                | 08/05/76         | 60             | 7823            | 5554N                        | 11944W        | 45.8         | 141.3        | GGGG                                         |                      | 51                      | 21                     |
| 2561-18162        | 00000/0000                   | 2-20030/0821                | 08/05/76         | 70             | 7823            | 5430N                        | 12032W        | 46.6         | 139.4        | GGGG                                         |                      | 51                      | 22                     |
| 2561-18164        | 00000/0000                   | 2-20030/0822                | 08/05/76         | 90             | 7823            | 5306N                        | 12117W        | 47.4         | 137.6        | GGGG                                         |                      | 51                      | 23                     |
| 2561-18171        | 00000/0000                   | 2-20030/0823                | 08/05/76         | 90             | 7823            | 5142N                        | 12159W        | 48.2         | 135.8        | GGGG                                         |                      | 51                      | 24                     |
| 2561-18173        | 00000/0000                   | 2-20030/0824                | 08/05/76         | 70             | 7823            | 5017N                        | 12240W        | 48.9         | 133.9        | GGGG                                         |                      | 51                      | 25                     |
| 2561-23513        | 00000/0000                   | 2-20030/0866                | 08/05/76         | 60             | 7826            | 3308S                        | 13703E        | 23.2         | 49.1         | GGGG                                         |                      | 105                     | 83                     |
| 2562-01115        | 00000/0000                   | 2-20030/0867                | 08/06/76         | 50             | 7827            | 4601N                        | 13214E        | 50.9         | 128.2        | GGGG                                         |                      | 123                     | 28                     |
| 2562-01122        | 00000/0000                   | 2-20030/0868                | 08/06/76         | 50             | 7827            | 4437N                        | 13140E        | 51.5         | 126.2        | GGGG                                         |                      | 123                     | 29                     |
| 2562-01124        | 00000/0000                   | 2-20030/0869                | 08/06/76         | 60             | 7827            | 4312N                        | 13107E        | 52.0         | 124.2        | GGGG                                         |                      | 123                     | 30                     |
| 2562-01204        | 00000/0000                   | 2-20030/0870                | 08/06/76         | 30             | 7827            | 1554N                        | 12314E        | 53.6         | 83.3         | GGGG                                         |                      | 123                     | 49                     |
| 2562-01210        | 00000/0000                   | 2-20030/0871                | 08/06/76         | 30             | 7827            | 1428N                        | 12253E        | 53.1         | 81.3         | GGGG                                         |                      | 123                     | 50                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 177

LANHSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>RBV | ROLL<br>NR./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|---------------------------------|---------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2562-01213        | 00000/0000                      | 2-20030/0872        | 08/06/76         | 30             | 7827            | 1301N                        | 12933E        | 52.7         | 79.4         |                                    |                     |                      | 123                     | 51                     |
| 2562-01215        | 00000/0000                      | 2-20030/0873        | 08/06/76         | 40             | 7827            | 1135N                        | 12912E        | 52.1         | 77.8         | GGGG                               |                     |                      | 123                     | 52                     |
| 2562-01222        | 00000/0000                      | 2-20030/0874        | 08/06/76         | 40             | 7827            | 1008N                        | 12152E        | 51.6         | 75.8         | GGGG                               |                     |                      | 123                     | 53                     |
| 2562-01224        | 00000/0000                      | 2-20030/0875        | 08/06/76         | 40             | 7827            | 0842N                        | 12131E        | 51.0         | 74.1         | GGGF                               |                     |                      | 123                     | 54                     |
| 2562-01231        | 00000/0000                      | 2-20030/0876        | 08/06/76         | 30             | 7827            | 0715N                        | 12111E        | 50.3         | 72.5         | GGGG                               |                     |                      | 123                     | 55                     |
| 2562-14532        | 00000/0000                      | 2-20030/0877        | 08/06/76         | 80             | 7835            | 6124N                        | 06549W        | 42.1         | 148.7        | GGGG                               |                     |                      | 16                      | 17                     |
| 2562-14535        | 00000/0000                      | 2-20030/0878        | 08/06/76         | 60             | 7835            | 6001N                        | 06651W        | 43.0         | 146.8        | FGGG                               |                     |                      | 16                      | 18                     |
| 2562-14541        | 00000/0000                      | 2-20030/0879        | 08/06/76         | 20             | 7835            | 5839N                        | 06748W        | 43.9         | 145.0        | GGGG                               |                     |                      | 16                      | 19                     |
| 2562-14544        | 00000/0000                      | 2-20030/0880        | 08/06/76         | 40             | 7835            | 5716N                        | 06842W        | 44.7         | 143.2        | GGGG                               |                     |                      | 16                      | 20                     |
| 2562-14550        | 00000/0000                      | 2-20030/0881        | 08/06/76         | 60             | 7835            | 5552N                        | 06933W        | 45.6         | 141.4        | GGGG                               |                     |                      | 16                      | 21                     |
| 2562-14553        | 00000/0000                      | 2-20030/0882        | 08/06/76         | 60             | 7835            | 5428N                        | 07021W        | 46.4         | 139.6        | GGGG                               |                     |                      | 16                      | 22                     |
| 2562-14555        | 00000/0000                      | 2-20030/0883        | 08/06/76         | 60             | 7835            | 5304N                        | 07106W        | 47.2         | 137.8        | GGGG                               |                     |                      | 16                      | 23                     |
| 2562-14562        | 00000/0000                      | 2-20030/0884        | 08/06/76         | 70             | 7835            | 5140N                        | 07148W        | 48.0         | 135.9        | GGGG                               |                     |                      | 16                      | 24                     |
| 2562-14564        | 00000/0000                      | 2-20030/0885        | 08/06/76         | 70             | 7835            | 5015N                        | 07228W        | 48.7         | 134.1        | GGGG                               |                     |                      | 16                      | 25                     |
| 2562-14571        | 00000/0000                      | 2-20030/0886        | 08/06/76         | 80             | 7835            | 4851N                        | 07306W        | 49.4         | 132.2        | GGGG                               |                     |                      | 16                      | 26                     |
| 2562-16400        | 00000/0000                      | 2-20030/0887        | 08/06/76         | 0              | 7836            | 5015N                        | 09818W        | 48.7         | 134.1        | GGGG                               |                     |                      | 34                      | 25                     |
| 2562-18125        | 2-20031/0061                    | 00000/0000          | 08/06/76         | 30             | 7837            | 8042N                        | 05942W        | 24.4         | 214.3        | GGGG                               |                     |                      | 34                      | 248                    |
| 2562-18132        | 2-20031/0062                    | 00000/0000          | 08/06/76         | 80             | 7837            | 8010N                        | 06757W        | 25.5         | 205.9        | GGGG                               |                     |                      | 52                      | 1                      |
| 2562-18134        | 2-20031/0063                    | 00000/0000          | 08/06/76         | 90             | 7837            | 7928N                        | 07512W        | 26.6         | 198.4        | GGGG                               |                     |                      | 52                      | 2                      |
| 2562-18141        | 2-20031/0064                    | 00000/0000          | 08/06/76         | 90             | 7837            | 7838N                        | 08130W        | 27.7         | 191.8        | GGGG                               |                     |                      | 52                      | 3                      |
| 2562-18200        | 00000/0000                      | 2-20030/0903        | 08/06/76         | 60             | 7837            | 6125N                        | 11722W        | 42.0         | 148.7        | GGGG                               |                     |                      | 52                      | 17                     |
| 2562-18202        | 00000/0000                      | 2-20030/0904        | 08/06/76         | 90             | 7837            | 6002N                        | 11825W        | 42.9         | 146.8        | GGGG                               |                     |                      | 52                      | 18                     |
| 2562-18205        | 00000/0000                      | 2-20030/0905        | 08/06/76         | 100            | 7837            | 5840N                        | 11923W        | 43.8         | 145.0        | GGGG                               |                     |                      | 52                      | 19                     |
| 2562-18211        | 00000/0000                      | 2-20030/0906        | 08/06/76         | 90             | 7837            | 5717N                        | 12017W        | 44.7         | 143.2        | GGGG                               |                     |                      | 52                      | 20                     |
| 2562-18214        | 00000/0000                      | 2-20030/0907        | 08/06/76         | 80             | 7837            | 5553N                        | 12107W        | 45.6         | 141.4        | GGGG                               |                     |                      | 52                      | 21                     |
| 2562-18220        | 00000/0000                      | 2-20030/0908        | 08/06/76         | 70             | 7837            | 5429N                        | 12155W        | 46.4         | 139.6        | GGGG                               |                     |                      | 52                      | 22                     |
| 2562-18223        | 00000/0000                      | 2-20030/0909        | 08/06/76         | 80             | 7837            | 5305N                        | 12241W        | 47.2         | 137.8        | GGGG                               |                     |                      | 52                      | 23                     |
| 2562-18225        | 00000/0000                      | 2-20030/0910        | 08/06/76         | 80             | 7837            | 5141N                        | 12324W        | 48.0         | 135.9        | GGGG                               |                     |                      | 52                      | 24                     |
| 2562-18232        | 00000/0000                      | 2-20030/0911        | 08/06/76         | 50             | 7837            | 5016N                        | 12405W        | 48.7         | 134.1        | GGGG                               |                     |                      | 52                      | 25                     |
| 2562-23571        | 00000/0000                      | 2-20030/0891        | 08/06/76         | 30             | 7840            | 3306S                        | 13539E        | 23.5         | 49.3         | GGGG                               |                     |                      | 106                     | 83                     |
| 2563-01164        | 00000/0000                      | 2-20030/0892        | 08/07/76         | 90             | 7841            | 4853N                        | 13158E        | 49.3         | 132.3        | GGGG                               |                     |                      | 124                     | 26                     |
| 2563-01171        | 00000/0000                      | 2-20030/0893        | 08/07/76         | 70             | 7841            | 4728N                        | 13122E        | 50.0         | 130.4        | GGGG                               |                     |                      | 124                     | 27                     |
| 2563-01173        | 00000/0000                      | 2-20030/0894        | 08/07/76         | 60             | 7841            | 4603N                        | 13047E        | 50.7         | 128.5        | GGGG                               |                     |                      | 124                     | 28                     |
| 2563-01185        | 00000/0000                      | 2-20030/0895        | 08/07/76         | 10             | 7841            | 4147N                        | 12910E        | 52.4         | 122.5        | GGGG                               |                     |                      | 124                     | 31                     |
| 2563-01262        | 00000/0000                      | 2-20030/0896        | 08/07/76         | 40             | 7841            | 1556N                        | 12149E        | 53.6         | 83.8         | GGGG                               |                     |                      | 124                     | 49                     |
| 2563-01264        | 00000/0000                      | 2-20030/0897        | 08/07/76         | 70             | 7841            | 1429N                        | 12128E        | 53.1         | 81.8         | GGGG                               |                     |                      | 124                     | 50                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
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| OBSERVATION<br>ID | MICROFILM RBLI NR./<br>POSITION IN RBLI<br>RBLI | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>POINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBLI MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBLI<br>NUMBER |
|-------------------|-------------------------------------------------|------------------|----------------|-----------------|---------------------------------------|----------------------------------------|--------------|--------------|-------------------------------------|---------------------|----------------------|-------------------------|-------------------------|
| 2563-01271        | 00000/0000 2-20030/0898                         | 08/07/76         | 90             | 7841            | 1302N                                 | 12107E                                 | 52.7         | 79.9         | GGGG                                |                     |                      | 124                     | 51                      |
| 2563-01273        | 00000/0000 2-20030/0899                         | 08/07/76         | 30             | 7841            | 1135N                                 | 12046E                                 | 52.2         | 78.1         | GGGG                                |                     |                      | 124                     | 52                      |
| 2563-01280        | 00000/0000 2-20030/0900                         | 08/07/76         | 50             | 7841            | 1009N                                 | 12025E                                 | 51.6         | 76.3         | GGGG                                |                     |                      | 124                     | 53                      |
| 2563-01282        | 00000/0000 2-20030/0901                         | 08/07/76         | 40             | 7841            | 0842N                                 | 12005E                                 | 51.0         | 74.6         | GGGG                                |                     |                      | 124                     | 54                      |
| 2563-01285        | 00000/0000 2-20030/0902                         | 08/07/76         | 30             | 7841            | 0714N                                 | 11944E                                 | 50.4         | 72.9         | GGGG                                |                     |                      | 124                     | 55                      |
| 2563-02582        | 00000/0000 2-20032/0201                         | 08/07/76         | 100            | 7842            | 5428N                                 | 10853E                                 | 46.3         | 139.7        | G                                   |                     |                      | 142                     | 22                      |
| 2563-02584        | 00000/0000 2-20030/0912                         | 08/07/76         | 100            | 7842            | 5305N                                 | 10808E                                 | 47.1         | 137.9        | GGGG                                |                     |                      | 142                     | 23                      |
| 2563-02591        | 00000/0000 2-20030/0913                         | 08/07/76         | 100            | 7842            | 5141N                                 | 10726E                                 | 47.9         | 136.0        | PGFG                                |                     |                      | 142                     | 24                      |
| 2563-02593        | 00000/0000 2-20030/0914                         | 08/07/76         | 100            | 7842            | 5016N                                 | 10646E                                 | 48.6         | 134.2        | GGGG                                |                     |                      | 142                     | 25                      |
| 2563-04402        | 00000/0000 2-20030/0915                         | 08/07/76         | 40             | 7843            | 5339N                                 | 08538E                                 | 43.7         | 145.1        | GGGG                                |                     |                      | 160                     | 19                      |
| 2563-04405        | 00000/0000 2-20030/0916                         | 08/07/76         | 60             | 7843            | 5716N                                 | 08444E                                 | 44.6         | 143.3        | GGGG                                |                     |                      | 160                     | 20                      |
| 2563-04411        | 00000/0000 2-20030/0917                         | 08/07/76         | 30             | 7843            | 5553N                                 | 08353E                                 | 45.4         | 141.5        | GGGG                                |                     |                      | 160                     | 21                      |
| 2563-04414        | 00000/0000 2-20030/0918                         | 08/07/76         | 80             | 7843            | 5429N                                 | 08305E                                 | 46.3         | 139.7        | GGGG                                |                     |                      | 160                     | 22                      |
| 2563-04420        | 00000/0000 2-20030/0919                         | 08/07/76         | 100            | 7843            | 5304N                                 | 08221E                                 | 47.1         | 137.9        | GGGG                                |                     |                      | 160                     | 23                      |
| 2563-04423        | 00000/0000 2-20030/0920                         | 08/07/76         | 100            | 7843            | 5140N                                 | 08138E                                 | 47.8         | 136.1        | GGGG                                |                     |                      | 160                     | 24                      |
| 2563-04425        | 00000/0000 2-20030/0921                         | 08/07/76         | 80             | 7843            | 5016N                                 | 08057E                                 | 48.6         | 134.2        | GGGG                                |                     |                      | 160                     | 25                      |
| 2563-04432        | 00000/0000 2-20030/0922                         | 08/07/76         | 80             | 7843            | 4851N                                 | 08019E                                 | 49.3         | 132.3        | GGGG                                |                     |                      | 160                     | 26                      |
| 2563-04434        | 00000/0000 2-20030/0923                         | 08/07/76         | 70             | 7843            | 4726N                                 | 07943E                                 | 50.0         | 130.5        | GGGG                                |                     |                      | 160                     | 27                      |
| 2563-04441        | 00000/0000 2-20030/0924                         | 08/07/76         | 30             | 7843            | 4602N                                 | 07908E                                 | 50.6         | 128.5        | GGGG                                |                     |                      | 160                     | 28                      |
| 2563-04443        | 00000/0000 2-20030/0925                         | 08/07/76         | 0              | 7843            | 4437N                                 | 07834E                                 | 51.2         | 126.6        | GGGG                                |                     |                      | 160                     | 29                      |
| 2563-04450        | 00000/0000 2-20030/0926                         | 08/07/76         | 0              | 7843            | 4311N                                 | 07802E                                 | 51.8         | 124.6        | GGGG                                |                     |                      | 160                     | 30                      |
| 2563-04452        | 00000/0000 2-20030/0927                         | 08/07/76         | 0              | 7843            | 4166N                                 | 07731E                                 | 52.3         | 122.6        | GGGG                                |                     |                      | 160                     | 31                      |
| 2563-04455        | 00000/0000 2-20030/0928                         | 08/07/76         | 10             | 7843            | 4020N                                 | 07701E                                 | 52.8         | 120.5        | GGGG                                |                     |                      | 160                     | 32                      |
| 2563-04461        | 00000/0000 2-20030/0929                         | 08/07/76         | 20             | 7843            | 3854N                                 | 07632E                                 | 53.3         | 118.4        | GGGG                                |                     |                      | 160                     | 33                      |
| 2563-04464        | 00000/0000 2-20030/0930                         | 08/07/76         | 40             | 7843            | 3729N                                 | 07604E                                 | 53.7         | 116.3        | GGGG                                |                     |                      | 160                     | 34                      |
| 2563-04470        | 00000/0000 2-20030/0931                         | 08/07/76         | 10             | 7843            | 3603N                                 | 07537E                                 | 54.0         | 114.1        | GGGG                                |                     |                      | 160                     | 35                      |
| 2563-04473        | 00000/0000 2-20030/0932                         | 08/07/76         | 70             | 7843            | 3437N                                 | 07511E                                 | 54.3         | 112.0        | GGGG                                |                     |                      | 160                     | 36                      |
| 2563-04475        | 00000/0000 2-20030/0933                         | 08/07/76         | 100            | 7843            | 3311N                                 | 07445E                                 | 54.6         | 109.8        | GGGG                                |                     |                      | 160                     | 37                      |
| 2563-06231        | 00000/0000 2-20030/0955                         | 08/07/76         | 50             | 7844            | 6002N                                 | 06049E                                 | 42.8         | 146.9        | GGGG                                |                     |                      | 178                     | 18                      |
| 2563-06234        | 00000/0000 2-20030/0956                         | 08/07/76         | 40             | 7844            | 5839N                                 | 05951E                                 | 43.7         | 145.1        | GGGG                                |                     |                      | 178                     | 19                      |
| 2563-06240        | 00000/0000 2-20030/0957                         | 08/07/76         | 30             | 7844            | 5715N                                 | 05856E                                 | 44.6         | 143.3        | GGGG                                |                     |                      | 178                     | 20                      |
| 2563-06243        | 00000/0000 2-20030/0958                         | 08/07/76         | 20             | 7844            | 5552N                                 | 05805E                                 | 45.4         | 141.5        | GGGG                                |                     |                      | 178                     | 21                      |
| 2563-06245        | 00000/0000 2-20030/0959                         | 08/07/76         | 20             | 7844            | 5428N                                 | 05717E                                 | 46.3         | 139.7        | GGGG                                |                     |                      | 178                     | 22                      |
| 2563-06252        | 00000/0000 2-20030/0960                         | 08/07/76         | 30             | 7844            | 5304N                                 | 05633E                                 | 47.1         | 137.9        | GGGG                                |                     |                      | 178                     | 23                      |
| 2563-06254        | 00000/0000 2-20030/0961                         | 08/07/76         | 20             | 7844            | 5140N                                 | 05550E                                 | 47.8         | 136.1        | GGGG                                |                     |                      | 178                     | 24                      |
| 2563-06261        | 00000/0000 2-20030/0962                         | 08/07/76         | 50             | 7844            | 5016N                                 | 05510E                                 | 48.6         | 134.2        | GGGG                                |                     |                      | 178                     | 25                      |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2563-06293        | 00000/0000                                     | 2-20030/0963     | 08/07/76       | 20              | 7844                               | 3854N                               | 05044E       | 53.3         | 118.4             | FFFF                    |                     |                      | 178                     | 33                     |
| 2563-06295        | 00000/0000                                     | 2-20030/0964     | 08/07/76       | 10              | 7844                               | 3729N                               | 05014E       | 53.7         | 116.3             | FFFF                    |                     |                      | 178                     | 34                     |
| 2563-08051        | 00000/0000                                     | 2-20030/0965     | 08/07/76       | 90              | 7845                               | 6408N                               | 03022E       | 40.0         | 152.6             | FGGF                    |                     |                      | 196                     | 15                     |
| 2563-08054        | 00000/0000                                     | 2-20030/0966     | 08/07/76       | 100             | 7845                               | 6246N                               | 03708E       | 40.9         | 150.7             | FGGF                    |                     |                      | 196                     | 16                     |
| 2563-08060        | 00000/0000                                     | 2-20030/0967     | 08/07/76       | 100             | 7845                               | 6124N                               | 03601E       | 41.9         | 148.8             | FGGF                    |                     |                      | 196                     | 17                     |
| 2563-08063        | 00000/0000                                     | 2-20030/0706     | 08/07/76       | 90              | 7845                               | 6001N                               | 03458E       | 42.8         | 146.9             | OFFG                    |                     |                      | 196                     | 18                     |
| 2563-08081        | 00000/0000                                     | 2-20030/0707     | 08/07/76       | 60              | 7845                               | 5427N                               | 03128E       | 46.2         | 139.7             | GGGG                    |                     |                      | 196                     | 22                     |
| 2563-08083        | 00000/0000                                     | 2-20030/0708     | 08/07/76       | 50              | 7845                               | 5303N                               | 03043E       | 47.0         | 137.9             | GGGG                    |                     |                      | 196                     | 23                     |
| 2563-08090        | 00000/0000                                     | 2-20030/0709     | 08/07/76       | 80              | 7845                               | 5139N                               | 03001E       | 47.8         | 136.1             | GGGG                    |                     |                      | 196                     | 24                     |
| 2563-08092        | 00000/0000                                     | 2-20030/0710     | 08/07/76       | 80              | 7845                               | 5015N                               | 02920E       | 48.6         | 134.2             | GGGF                    |                     |                      | 196                     | 25                     |
| 2563-08095        | 00000/0000                                     | 2-20030/0705     | 08/07/76       | 70              | 7845                               | 4850N                               | 02842E       | 49.3         | 132.4             | PFP                     |                     |                      | 196                     | 26                     |
| 2563-08172        | 00000/0000                                     | 2-20030/0711     | 08/07/76       | 0               | 7845                               | 2307N                               | 02021E       | 54.9         | 94.3              | GGGF                    |                     |                      | 196                     | 44                     |
| 2563-08174        | 00000/0000                                     | 2-20030/0712     | 08/07/76       | 20              | 7845                               | 2141N                               | 01959E       | 54.7         | 92.2              | GGGG                    |                     |                      | 196                     | 45                     |
| 2563-09524        | 00000/0000                                     | 2-20030/0713     | 08/07/76       | 30              | 7846                               | 5014N                               | 00332E       | 48.5         | 134.2             | GGFF                    |                     |                      | 214                     | 25                     |
| 2563-13305        | 00000/0000                                     | 2-20030/0714     | 08/07/76       | 40              | 7848                               | 1010N                               | 06016W       | 51.7         | 76.5              | GGGG                    |                     |                      | 250                     | 53                     |
| 2563-13311        | 00000/0000                                     | 2-20030/0715     | 08/07/76       | 50              | 7848                               | 0843N                               | 06036W       | 51.1         | 74.8              | GGGG                    |                     |                      | 250                     | 54                     |
| 2563-13314        | 00000/0000                                     | 2-20030/0716     | 08/07/76       | 60              | 7848                               | 0716N                               | 06056W       | 50.5         | 73.2              | FFFF                    |                     |                      | 250                     | 55                     |
| 2563-13320        | 00000/0000                                     | 2-20030/0717     | 08/07/76       | 40              | 7848                               | 0548N                               | 06116W       | 49.8         | 71.6              | GGGG                    |                     |                      | 250                     | 56                     |
| 2563-16445        | 00000/0000                                     | 2-20030/0843     | 08/07/76       | 40              | 7850                               | 5306N                               | 09819W       | 46.9         | 138.0             | FGGG                    |                     |                      | 35                      | 23                     |
| 2563-16452        | 00000/0000                                     | 2-20030/0844     | 08/07/76       | 10              | 7850                               | 5142N                               | 09902W       | 47.7         | 136.2             | GGG                     |                     |                      | 35                      | 24                     |
| 2563-16454        | 00000/0000                                     | 2-20030/0845     | 08/07/76       | 0               | 7850                               | 5017N                               | 09942W       | 48.5         | 134.3             | GGGG                    |                     |                      | 35                      | 25                     |
| 2563-18183        | 2-20031/0065                                   | 00000/0000       | 08/07/76       | 40              | 7851                               | 8042N                               | 06103W       | 24.0         | 214.5             | GGG                     |                     |                      | 41                      | 247                    |
| 2563-18190        | 2-20031/0066                                   | 00000/0000       | 08/07/76       | 80              | 7851                               | 8011N                               | 06415W       | 25.2         | 206.1             | GGG                     |                     |                      | 53                      | 1                      |
| 2563-20060        | 00000/0000                                     | 2-20030/0934     | 08/07/76       | 90              | 7852                               | 7046N                               | 13400W       | 34.8         | 164.0             | FGGG                    |                     |                      | 71                      | 10                     |
| 2563-20062        | 00000/0000                                     | 2-20030/0935     | 08/07/76       | 90              | 7852                               | 6928N                               | 13603W       | 35.9         | 161.4             | GGGG                    |                     |                      | 71                      | 11                     |
| 2564-01320        | 00000/0000                                     | 2-20030/0968     | 08/08/76       | 90              | 7855                               | 1553N                               | 12022E       | 53.5         | 84.2              | FGGG                    |                     |                      | 125                     | 49                     |
| 2564-01323        | 00000/0000                                     | 2-20030/0969     | 08/08/76       | 90              | 7855                               | 1427N                               | 12001E       | 53.1         | 82.2              | FGGF                    |                     |                      | 125                     | 50                     |
| 2564-01325        | 00000/0000                                     | 2-20030/0970     | 08/08/76       | 90              | 7855                               | 1300N                               | 11940E       | 52.7         | 80.3              | FGGG                    |                     |                      | 125                     | 51                     |
| 2564-01391        | 00000/0000                                     | 2-20030/0971     | 08/08/76       | 30              | 7855                               | 0842S                               | 11437E       | 41.6         | 59.2              | GGFG                    |                     |                      | 125                     | 66                     |
| 2564-03034        | 00000/0000                                     | 2-20030/0936     | 08/08/76       | 80              | 7856                               | 5555N                               | 10816E       | 45.2         | 141.7             | FGFG                    |                     |                      | 143                     | 21                     |
| 2564-03040        | 00000/0000                                     | 2-20030/0937     | 08/08/76       | 60              | 7856                               | 5431N                               | 10729E       | 46.0         | 139.9             | FGGG                    |                     |                      | 143                     | 22                     |
| 2564-03043        | 00000/0000                                     | 2-20030/0938     | 08/08/76       | 50              | 7856                               | 5307N                               | 10644E       | 46.8         | 138.1             | FGGG                    |                     |                      | 143                     | 23                     |
| 2564-03045        | 00000/0000                                     | 2-20030/0939     | 08/08/76       | 50              | 7856                               | 5143N                               | 10602E       | 47.6         | 136.3             | FFFF                    |                     |                      | 143                     | 24                     |
| 2564-03052        | 00000/0000                                     | 2-20030/0940     | 08/08/76       | 30              | 7856                               | 5017N                               | 10522E       | 48.4         | 134.5             | FGGG                    |                     |                      | 143                     | 25                     |
| 2564-04460        | 00000/0000                                     | 2-20030/0941     | 08/08/76       | 50              | 7857                               | 5841N                               | 08415E       | 43.4         | 145.3             | GGGG                    |                     |                      | 161                     | 19                     |
| 2564-04463        | 00000/0000                                     | 2-20030/0942     | 08/08/76       | 40              | 7857                               | 5718N                               | 08321E       | 44.3         | 143.5             | GGGG                    |                     |                      | 161                     | 20                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>123 | MSS<br>45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|------------|--------------|---------------------|----------------------|-------------------------|------------------------|
| 2564-04465        | 00000/0000                   | 2-20030/0943                | 08/08/76         | 30             | 7857            | 5554N                              | 08229E                              | 45.2         | 141.7        | GGGG              |            |              |                     |                      | 161                     | 21                     |
| 2564-04472        | 00000/0000                   | 2-20030/0944                | 08/08/76         | 20             | 7857            | 5430N                              | 08141E                              | 46.0         | 139.9        | GGGG              |            |              |                     |                      | 161                     | 22                     |
| 2564-04474        | 00000/0000                   | 2-20030/0945                | 08/08/76         | 30             | 7857            | 5306N                              | 08056E                              | 46.8         | 138.1        | GGGG              |            |              |                     |                      | 161                     | 23                     |
| 2564-04481        | 00000/0000                   | 2-20030/0946                | 08/08/76         | 50             | 7857            | 5141N                              | 08013E                              | 47.6         | 136.3        | FFFF              |            |              |                     |                      | 161                     | 24                     |
| 2564-04483        | 00000/0000                   | 2-20030/0947                | 08/08/76         | 30             | 7857            | 5017N                              | 07933E                              | 48.3         | 134.5        | GGGG              |            |              |                     |                      | 161                     | 25                     |
| 2564-04490        | 00000/0000                   | 2-20030/0948                | 08/08/76         | 20             | 7857            | 4852N                              | 07855E                              | 49.1         | 132.6        | GGGG              |            |              |                     |                      | 161                     | 26                     |
| 2564-04492        | 00000/0000                   | 2-20030/0949                | 08/08/76         | 20             | 7857            | 4727N                              | 07818E                              | 49.7         | 130.7        | FGGG              |            |              |                     |                      | 161                     | 27                     |
| 2564-04495        | 00000/0000                   | 2-20030/0950                | 08/08/76         | 10             | 7857            | 4602N                              | 07743E                              | 50.4         | 128.8        | FGGF              |            |              |                     |                      | 161                     | 28                     |
| 2564-04501        | 00000/0000                   | 2-20030/0951                | 08/08/76         | 0              | 7857            | 4474N                              | 07709E                              | 51.0         | 126.9        | GGG               |            |              |                     |                      | 161                     | 29                     |
| 2564-04504        | 00000/0000                   | 2-20030/0952                | 08/08/76         | 0              | 7857            | 4313N                              | 07637E                              | 51.6         | 124.9        | FGGG              |            |              |                     |                      | 161                     | 30                     |
| 2564-04522        | 00000/0000                   | 2-20030/0953                | 08/08/76         | 0              | 7857            | 3731N                              | 07440E                              | 53.5         | 116.7        | GGG               |            |              |                     |                      | 161                     | 34                     |
| 2564-04524        | 00000/0000                   | 2-20030/0954                | 08/08/76         | 10             | 7857            | 3605N                              | 07412E                              | 53.9         | 114.6        | FGGG              |            |              |                     |                      | 161                     | 35                     |
| 2564-06285        | 00000/0000                   | 2-20032/0202                | 08/08/76         | 40             | 7858            | 6003N                              | 05922E                              | 42.5         | 147.1        | GGGG              |            |              |                     |                      | 179                     | 18                     |
| 2564-06292        | 00000/0000                   | 2-20032/0203                | 08/08/76         | 40             | 7858            | 5840N                              | 05824E                              | 43.4         | 145.3        | GGGG              |            |              |                     |                      | 179                     | 19                     |
| 2564-06294        | 00000/0000                   | 2-20032/0204                | 08/08/76         | 60             | 7858            | 5717N                              | 05730E                              | 44.3         | 143.5        | GGGG              |            |              |                     |                      | 179                     | 20                     |
| 2564-06301        | 00000/0000                   | 2-20032/0205                | 08/08/76         | 60             | 7858            | 5553N                              | 05639E                              | 45.2         | 141.7        | GGGG              |            |              |                     |                      | 179                     | 21                     |
| 2564-06303        | 00000/0000                   | 2-20032/0206                | 08/08/76         | 10             | 7858            | 5430N                              | 05552E                              | 46.0         | 139.9        | GGGG              |            |              |                     |                      | 179                     | 22                     |
| 2564-06310        | 00000/0000                   | 2-20032/0207                | 08/08/76         | 70             | 7858            | 5306N                              | 05506E                              | 46.8         | 138.1        | GGGG              |            |              |                     |                      | 179                     | 23                     |
| 2564-06312        | 00000/0000                   | 2-20032/0208                | 08/08/76         | 90             | 7858            | 5141N                              | 05423E                              | 47.6         | 136.3        | GGGG              |            |              |                     |                      | 179                     | 24                     |
| 2564-06315        | 00000/0000                   | 2-20032/0209                | 08/08/76         | 40             | 7858            | 5017N                              | 05343E                              | 48.3         | 134.5        | GGGG              |            |              |                     |                      | 179                     | 25                     |
| 2564-06344        | 00000/0000                   | 2-20032/0210                | 08/08/76         | 0              | 7858            | 4021N                              | 04947E                              | 52.6         | 120.9        | GGGG              |            |              |                     |                      | 179                     | 32                     |
| 2564-06351        | 00000/0000                   | 2-20032/0211                | 08/08/76         | 20             | 7858            | 3855N                              | 04918E                              | 53.1         | 118.8        | GGGG              |            |              |                     |                      | 179                     | 33                     |
| 2564-06353        | 00000/0000                   | 2-20032/0212                | 08/08/76         | 10             | 7858            | 3729N                              | 04850E                              | 53.5         | 116.7        | GGGG              |            |              |                     |                      | 179                     | 34                     |
| 2564-08105        | 00000/0000                   | 2-20032/0213                | 08/08/76         | 100            | 7859            | 6409N                              | 03655E                              | 39.7         | 152.8        | GGGG              |            |              |                     |                      | 197                     | 15                     |
| 2564-08112        | 00000/0000                   | 2-20032/0234                | 08/08/76         | 100            | 7859            | 6247N                              | 03541E                              | 40.6         | 150.8        | GGGG              |            |              |                     |                      | 197                     | 16                     |
| 2564-08114        | 00000/0000                   | 2-20032/0235                | 08/08/76         | 80             | 7859            | 6125N                              | 03434E                              | 41.6         | 148.9        | GGGG              |            |              |                     |                      | 197                     | 17                     |
| 2564-08121        | 00000/0000                   | 2-20032/0236                | 08/08/76         | 60             | 7859            | 6002N                              | 03331E                              | 42.5         | 147.1        | GGGG              |            |              |                     |                      | 197                     | 18                     |
| 2564-08123        | 00000/0000                   | 2-20032/0237                | 08/08/76         | 80             | 7859            | 5839N                              | 03234E                              | 43.4         | 145.3        | GGGG              |            |              |                     |                      | 197                     | 19                     |
| 2564-08130        | 00000/0000                   | 2-20032/0238                | 08/08/76         | 70             | 7859            | 5717N                              | 03140E                              | 44.3         | 143.5        | GGGG              |            |              |                     |                      | 197                     | 20                     |
| 2564-08132        | 00000/0000                   | 2-20032/0239                | 08/08/76         | 70             | 7859            | 5553N                              | 03049E                              | 45.1         | 141.7        | GGGG              |            |              |                     |                      | 197                     | 21                     |
| 2564-08135        | 00000/0000                   | 2-20032/0240                | 08/08/76         | 50             | 7859            | 5429N                              | 03001E                              | 46.0         | 139.9        | GGGG              |            |              |                     |                      | 197                     | 22                     |
| 2564-08141        | 00000/0000                   | 2-20032/0241                | 08/08/76         | 80             | 7859            | 5305N                              | 02916E                              | 46.8         | 138.1        | GGGG              |            |              |                     |                      | 197                     | 23                     |
| 2564-08144        | 00000/0000                   | 2-20032/0242                | 08/08/76         | 90             | 7859            | 5140N                              | 02834E                              | 47.6         | 136.3        | GGGG              |            |              |                     |                      | 197                     | 24                     |
| 2564-08150        | 00000/0000                   | 2-20032/0243                | 08/08/76         | 90             | 7859            | 5016N                              | 02754E                              | 48.3         | 134.5        | GGGG              |            |              |                     |                      | 197                     | 25                     |
| 2564-08153        | 00000/0000                   | 2-20032/0244                | 08/08/76         | 70             | 7859            | 4851N                              | 02715E                              | 49.0         | 132.6        | GGFG              |            |              |                     |                      | 197                     | 26                     |
| 2564-08155        | 00000/0000                   | 2-20030/0972                | 08/08/76         | 70             | 7859            | 4726N                              | 02639E                              | 49.7         | 130.8        | GGGG              |            |              |                     |                      | 197                     | 27                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NSN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LNG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2564-08162        | 00000/0000                                     | 2-20030/0973     | 08/08/76       | 90              | 7859                               | 4601N                              | 02604E       | 50.4         | 128.9             | GGGG                |                      | 197                     | 28                     |
| 2564-08164        | 00000/0000                                     | 2-20030/0974     | 08/08/76       | 40              | 7859                               | 4436N                              | 02630E       | 51.0         | 126.9             | GGGG                |                      | 197                     | 29                     |
| 2564-08171        | 00000/0000                                     | 2-20030/0975     | 08/08/76       | 20              | 7859                               | 4311N                              | 02458E       | 51.6         | 125.0             | GGGG                |                      | 197                     | 30                     |
| 2564-08223        | 00000/0000                                     | 2-20030/0976     | 08/08/76       | 0               | 7859                               | 2435N                              | 01917E       | 54.9         | 97.0              | GGGG                |                      | 197                     | 43                     |
| 2564-08230        | 00000/0000                                     | 2-20030/0977     | 08/08/76       | 0               | 7859                               | 2308N                              | 01855E       | 54.8         | 94.8              | GGGG                |                      | 197                     | 44                     |
| 2564-08232        | 00000/0000                                     | 2-20030/0978     | 08/08/76       | 0               | 7859                               | 2142N                              | 01833E       | 54.7         | 92.7              | GF88                |                      | 197                     | 45                     |
| 2564-13363        | 00000/0000                                     | 2-20030/0979     | 08/08/76       | 40              | 7862                               | 1066N                              | 05142W       | 51.7         | 77.0              | F088                |                      | 251                     | 53                     |
| 2564-13370        | 00000/0000                                     | 2-20030/0980     | 08/08/76       | 80              | 7862                               | 0840N                              | 06202W       | 51.1         | 75.2              | GGGG                |                      | 251                     | 54                     |
| 2564-13372        | 00000/0000                                     | 2-20030/0981     | 08/08/76       | 90              | 7862                               | 0713N                              | 06222W       | 50.5         | 73.6              | GGGG                |                      | 251                     | 55                     |
| 2564-13375        | 00000/0000                                     | 2-20030/0982     | 08/08/76       | 90              | 7862                               | 0547N                              | 06242W       | 49.9         | 72.0              | GGGG                |                      | 251                     | 56                     |
| 2564-15224        | 00000/0000                                     | 2-20030/0983     | 08/08/76       | 80              | 7863                               | 0000N                              | 08952W       | 46.9         | 66.2              | GGGG                |                      | 18                      | 60                     |
| 2564-15231        | 00000/0000                                     | 2-20030/0984     | 08/08/76       | 60              | 7863                               | 0127S                              | 09011W       | 46.1         | 64.9              | GGGG                |                      | 18                      | 61                     |
| 2564-16503        | 00000/0000                                     | 2-20030/1058     | 08/08/76       | 80              | 7864                               | 5303N                              | 09448W       | 46.7         | 138.2             | GGGG                |                      | 36                      | 28                     |
| 2564-16510        | 00000/0000                                     | 2-20030/1059     | 08/08/76       | 50              | 7864                               | 5138N                              | 10030W       | 47.5         | 136.4             | GGGG                |                      | 36                      | 29                     |
| 2564-16512        | 00000/0000                                     | 2-20030/1060     | 08/08/76       | 60              | 7864                               | 5014N                              | 10110W       | 48.2         | 134.5             | GGGG                |                      | 36                      | 29                     |
| 2564-18242        | 2-20033/0003                                   | 00000/0000       | 08/08/76       | 100             | 7865                               | 5041N                              | 06231W       | 23.8         | 214.3             | GGG                 |                      | 36                      | 248                    |
| 2564-18244        | 2-20033/0004                                   | 00000/0000       | 08/08/76       | 70              | 7865                               | 5009N                              | 07041W       | 24.9         | 205.9             | F08                 |                      | 54                      | 1                      |
| 2564-18251        | 2-20033/0005                                   | 00000/0000       | 08/08/76       | 80              | 7865                               | 7927N                              | 07000W       | 26.0         | 198.4             | F08                 |                      | 54                      | 2                      |
| 2564-18253        | 2-20033/0006                                   | 00000/0000       | 08/08/76       | 80              | 7865                               | 7838N                              | 08418W       | 27.1         | 191.8             | GGG                 |                      | 54                      | 3                      |
| 2564-20114        | 00000/0000                                     | 2-20030/0985     | 08/08/76       | 30              | 7866                               | 7047N                              | 13520W       | 34.5         | 164.1             | GG G                |                      | 72                      | 10                     |
| 2564-20121        | 00000/0000                                     | 2-20030/0986     | 08/08/76       | 80              | 7866                               | 6929N                              | 13724W       | 35.6         | 161.5             | GG G                |                      | 72                      | 11                     |
| 2565-00002        | 00000/0000                                     | 2-20037/0245     | 08/09/76       | 90              | 7868                               | 0420S                              | 14003E       | 44.5         | 62.7              | GGGG                |                      | 108                     | 63                     |
| 2565-01274        | 00000/0000                                     | 2-20032/0246     | 08/09/76       | 70              | 7869                               | 5015N                              | 12946E       | 48.1         | 134.6             | GGGG                |                      | 126                     | 25                     |
| 2565-01281        | 00000/0000                                     | 2-20037/0247     | 08/09/76       | 100             | 7869                               | 4851N                              | 12908E       | 48.9         | 132.8             | GGGG                |                      | 126                     | 26                     |
| 2565-01283        | 00000/0000                                     | 2-20037/0248     | 08/09/76       | 100             | 7869                               | 4726N                              | 12831E       | 49.6         | 130.9             | GGGG                |                      | 126                     | 27                     |
| 2565-01290        | 00000/0000                                     | 2-20037/0249     | 08/09/76       | 90              | 7869                               | 4601N                              | 12755E       | 50.2         | 129.1             | GGGG                |                      | 126                     | 28                     |
| 2565-01292        | 00000/0000                                     | 2-20037/0250     | 08/09/76       | 90              | 7869                               | 4436N                              | 12721E       | 50.8         | 127.1             | GGGG                |                      | 126                     | 29                     |
| 2565-01295        | 00000/0000                                     | 2-20037/0251     | 08/09/76       | 90              | 7869                               | 4311N                              | 12648E       | 51.4         | 125.2             | GGGG                |                      | 126                     | 30                     |
| 2565-01301        | 00000/0000                                     | 2-20037/0252     | 08/09/76       | 90              | 7869                               | 4146N                              | 12617E       | 52.0         | 123.2             | GGGG                |                      | 126                     | 31                     |
| 2565-01304        | 00000/0000                                     | 2-20037/0253     | 08/09/76       | 80              | 7869                               | 4021N                              | 12547E       | 52.5         | 121.1             | GGGG                |                      | 126                     | 32                     |
| 2565-03085        | 00000/0000                                     | 2-20032/0214     | 08/09/76       | 70              | 7870                               | 5716N                              | 10739E       | 44.1         | 143.6             | GGGG                |                      | 144                     | 20                     |
| 2565-03092        | 00000/0000                                     | 2-20037/0215     | 08/09/76       | 70              | 7870                               | 5553N                              | 10648E       | 45.0         | 141.8             | GGGG                |                      | 144                     | 21                     |
| 2565-03094        | 00000/0000                                     | 2-20037/0216     | 08/09/76       | 70              | 7870                               | 5429N                              | 10601E       | 45.8         | 140.0             | GGGG                |                      | 144                     | 22                     |
| 2565-03101        | 00000/0000                                     | 2-20032/0217     | 08/09/76       | 60              | 7870                               | 5304N                              | 10516E       | 46.6         | 138.3             | GGGG                |                      | 144                     | 23                     |
| 2565-04521        | 00000/0000                                     | 2-20037/0001     | 08/09/76       | 10              | 7871                               | 5716N                              | 08151E       | 44.1         | 143.6             | G G                 |                      | 162                     | 20                     |
| 2565-04524        | 00000/0000                                     | 2-20037/0002     | 08/09/76       | 10              | 7871                               | 5552N                              | 08101E       | 44.3         | 141.8             | GGGG                |                      | 162                     | 21                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>R9V | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>R9V | MSS<br>MODE | MSS<br>DATA | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|-------------|----------------------|-------------------------|------------------------|
| 2565-04530        | 00000/0000                                     | 2-20030/0003     | 08/09/76              | 10              | 7871                               | 5428N                               | 08014E       | 45.8         | 140.1             | GGGG        |             |                      | 162                     | 22                     |
| 2565-04533        | 00000/0000                                     | 2-20030/0004     | 08/09/76              | 20              | 7871                               | 5304N                               | 07929E       | 46.6         | 138.3             | GGGG        |             |                      | 162                     | 23                     |
| 2565-04535        | 00000/0000                                     | 2-20030/0005     | 08/09/76              | 30              | 7871                               | 5139N                               | 07846E       | 47.4         | 136.5             | GGGG        |             |                      | 162                     | 24                     |
| 2565-04542        | 00000/0000                                     | 2-20030/0006     | 08/09/76              | 30              | 7871                               | 5015N                               | 07806E       | 48.1         | 134.7             | GGGG        |             |                      | 162                     | 25                     |
| 2565-04544        | 00000/0000                                     | 2-20030/0007     | 08/09/76              | 20              | 7871                               | 4850N                               | 07727E       | 48.8         | 132.8             | GGGG        |             |                      | 162                     | 26                     |
| 2565-04562        | 00000/0000                                     | 2-20030/1006     | 08/09/76              | 0               | 7871                               | 4310N                               | 07509E       | 51.4         | 125.2             | GGGG        |             |                      | 162                     | 30                     |
| 2565-04580        | 00000/0000                                     | 2-20030/0988     | 08/09/76              | 0               | 7871                               | 3727N                               | 07312E       | 53.3         | 117.0             | FFGG        |             |                      | 162                     | 34                     |
| 2565-04585        | 00000/0000                                     | 2-20030/0989     | 08/09/76              | 30              | 7871                               | 3436N                               | 07218E       | 54.0         | 112.8             | GGF         |             |                      | 162                     | 36                     |
| 2565-04592        | 00000/0000                                     | 2-20030/0990     | 08/09/76              | 20              | 7871                               | 3310N                               | 07152E       | 54.3         | 110.6             | GGGG        |             |                      | 162                     | 37                     |
| 2565-06344        | 00000/0000                                     | 2-20030/0987     | 08/09/76              | 30              | 7872                               | 6001N                               | 05754E       | 42.3         | 147.2             | G FG        |             |                      | 180                     | 18                     |
| 2565-06350        | 00000/0000                                     | 2-20030/0991     | 08/09/76              | 60              | 7872                               | 5838N                               | 05655E       | 43.2         | 145.4             | FGGG        |             |                      | 180                     | 19                     |
| 2565-06353        | 00000/0000                                     | 2-20030/0992     | 08/09/76              | 80              | 7872                               | 5715N                               | 05601E       | 44.1         | 143.6             | FGG         |             |                      | 180                     | 20                     |
| 2565-06355        | 00000/0000                                     | 2-20030/0993     | 08/09/76              | 50              | 7872                               | 5551N                               | 05510E       | 44.9         | 141.8             | FGF         |             |                      | 180                     | 21                     |
| 2565-06362        | 00000/0000                                     | 2-20030/0994     | 08/09/76              | 30              | 7872                               | 5427N                               | 05423E       | 45.8         | 140.1             | FFFF        |             |                      | 180                     | 22                     |
| 2565-06364        | 00000/0000                                     | 2-20030/0995     | 08/09/76              | 20              | 7872                               | 5303N                               | 05338E       | 46.6         | 138.3             | GGGF        |             |                      | 180                     | 23                     |
| 2565-06371        | 00000/0000                                     | 2-20030/0996     | 08/09/76              | 10              | 7872                               | 5139N                               | 05256E       | 47.3         | 136.5             | GGGG        |             |                      | 180                     | 24                     |
| 2565-06373        | 00000/0000                                     | 2-20030/0997     | 08/09/76              | 20              | 7872                               | 5014N                               | 05216E       | 48.1         | 134.7             | GGGG        |             |                      | 180                     | 25                     |
| 2565-06412        | 00000/0000                                     | 2-20030/0998     | 08/09/76              | 10              | 7872                               | 3727N                               | 04723E       | 53.3         | 117.1             | GGGG        |             |                      | 180                     | 34                     |
| 2565-06414        | 00000/0000                                     | 2-20030/0999     | 08/09/76              | 10              | 7872                               | 3602N                               | 04655E       | 53.7         | 114.9             | GGGG        |             |                      | 180                     | 35                     |
| 2565-06421        | 00000/0000                                     | 2-20030/1000     | 08/09/76              | 20              | 7872                               | 3436N                               | 04629E       | 54.0         | 112.8             | GGGF        |             |                      | 180                     | 36                     |
| 2565-06423        | 00000/0000                                     | 2-20030/1001     | 08/09/76              | 10              | 7872                               | 3310N                               | 04603E       | 54.3         | 110.6             | GGGG        |             |                      | 180                     | 37                     |
| 2565-08191        | 00000/0000                                     | 2-20030/1007     | 08/09/76              | 10              | 7873                               | 5551N                               | 02924E       | 44.9         | 141.8             | GGG1        |             |                      | 198                     | 21                     |
| 2565-08193        | 00000/0000                                     | 2-20030/1008     | 08/09/76              | 40              | 7873                               | 5427N                               | 02836E       | 45.7         | 140.1             | GGG4        |             |                      | 198                     | 22                     |
| 2565-08200        | 00000/0000                                     | 2-20030/1009     | 08/09/76              | 40              | 7873                               | 5303N                               | 02751E       | 46.6         | 138.3             | GGGG        |             |                      | 198                     | 23                     |
| 2565-08202        | 00000/0000                                     | 2-20030/1010     | 08/09/76              | 60              | 7873                               | 5139N                               | 02708E       | 47.3         | 136.5             | GGGG        |             |                      | 198                     | 24                     |
| 2565-08205        | 00000/0000                                     | 2-20030/1011     | 08/09/76              | 30              | 7873                               | 5014N                               | 02628E       | 48.1         | 134.7             | GGGG        |             |                      | 198                     | 25                     |
| 2565-08211        | 00000/0000                                     | 2-20030/1012     | 08/09/76              | 60              | 7873                               | 4850N                               | 02550E       | 48.8         | 132.9             | GGGG        |             |                      | 198                     | 26                     |
| 2565-08282        | 00000/0000                                     | 2-20030/1013     | 08/09/76              | 0               | 7873                               | 2432N                               | 01751E       | 54.9         | 97.4              | GGGG        |             |                      | 198                     | 43                     |
| 2565-08284        | 00000/0000                                     | 2-20030/1014     | 08/09/76              | 0               | 7873                               | 2306N                               | 01729E       | 54.8         | 95.3              | GGGG        |             |                      | 198                     | 44                     |
| 2565-08291        | 00000/0000                                     | 2-20030/1015     | 08/09/76              | 0               | 7873                               | 2140N                               | 01706E       | 54.6         | 93.1              | GGGG        |             |                      | 198                     | 45                     |
| 2565-10002        | 00000/0000                                     | 2-20030/1016     | 08/09/76              | 10              | 7874                               | 6248N                               | 00830E       | 40.3         | 151.0             | GGGG        |             |                      | 216                     | 16                     |
| 2565-10004        | 00000/0000                                     | 2-20030/1017     | 08/09/76              | 10              | 7874                               | 6126N                               | 00722E       | 41.3         | 149.1             | FGGG        |             |                      | 216                     | 17                     |
| 2565-10011        | 00000/0000                                     | 2-20030/1018     | 08/09/76              | 30              | 7874                               | 6003N                               | 00619E       | 42.2         | 147.3             | GGG         |             |                      | 216                     | 18                     |
| 2565-15133        | 00000/0000                                     | 2-20030/1004     | 08/09/76              | 10              | 7877                               | 5141N                               | 07606W       | 47.2         | 136.6             | GGGG        |             |                      | 19                      | 26                     |
| 2565-15135        | 00000/0000                                     | 2-20030/1005     | 08/09/76              | 40              | 7877                               | 5018N                               | 07647W       | 48.0         | 134.8             | GGGG        |             |                      | 19                      | 25                     |
| 2565-15283        | 00000/0000                                     | 2-20030/1019     | 08/09/76              | 60              | 7877                               | 0001N                               | 09118W       | 47.1         | 66.6              | GGGG        |             |                      | 19                      | 60                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>NUMBER | PRINCIPAL<br>SP IMAGE<br>LAT | PRINCIPAL<br>PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SUN<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|---------------|------------------------------|----------------------------|--------------|--------------|-------------------|---------------------|----------------------|-----------------------|------------------------|
| 2565-15285        | 30000/0000                                     | 2-20030/1020     | 08/09/76       | 70            | 7877                         | 0125S                      | 09137W       | 46.3         | 65.3              | GGGG                |                      | 19                    | 61                     |
| 2565-16564        | 30000/0000                                     | 2-20030/1002     | 08/09/76       | 80            | 7878                         | 5140N                      | 10154W       | 47.2         | 136.6             | GGGG                |                      | 37                    | 24                     |
| 2565-16571        | 30000/0000                                     | 2-20030/1003     | 08/09/76       | 60            | 7878                         | 5016N                      | 10234W       | 48.0         | 134.8             | GGGG                |                      | 37                    | 25                     |
| 2565-18300        | 2-20033/0133                                   | 30000/0000       | 08/09/76       | 80            | 7879                         | 8041N                      | 06411W       | 23.5         | 214.1             | GG                  |                      | 37                    | 248                    |
| 2565-18303        | 2-20033/0134                                   | 00000/0000       | 08/09/76       | 90            | 7879                         | 8003N                      | 07221W       | 24.6         | 205.7             | G G                 |                      | 55                    | 1                      |
| 2565-18305        | 2-20033/0135                                   | 30000/0000       | 08/09/76       | 100           | 7879                         | 7927N                      | 07938W       | 25.8         | 198.3             | GGG                 |                      | 55                    | 2                      |
| 2565-18312        | 2-20033/0136                                   | 30000/0000       | 08/09/76       | 80            | 7879                         | 7836N                      | 08558W       | 26.9         | 191.7             | GGG                 |                      | 55                    | 3                      |
| 2565-20172        | 30000/0000                                     | 2-20030/1144     | 08/09/76       | 90            | 7880                         | 7045N                      | 13652W       | 34.3         | 164.1             | GGGG                |                      | 73                    | 10                     |
| 2566-01333        | 30000/0000                                     | 2-20032/0008     | 08/10/76       | 90            | 7883                         | 5018N                      | 12820E       | 47.9         | 134.9             | GGGG                |                      | 127                   | 25                     |
| 2566-01335        | 30000/0000                                     | 2-20032/0009     | 08/10/76       | 30            | 7883                         | 4853N                      | 12742E       | 48.6         | 133.1             | GGGG                |                      | 127                   | 26                     |
| 2566-01342        | 30000/0000                                     | 2-20032/0010     | 08/10/76       | 10            | 7883                         | 4727N                      | 12706E       | 49.3         | 131.2             | GGGG                |                      | 127                   | 27                     |
| 2566-01344        | 30000/0000                                     | 2-20032/0011     | 08/10/76       | 10            | 7883                         | 4602N                      | 12630E       | 50.0         | 129.4             | GGGF                |                      | 127                   | 28                     |
| 2566-01351        | 30000/0000                                     | 2-20032/0012     | 08/10/76       | 10            | 7883                         | 4437N                      | 12556E       | 50.6         | 127.5             | GGGG                |                      | 127                   | 29                     |
| 2566-01353        | 30000/0000                                     | 2-20032/0013     | 08/10/76       | 10            | 7883                         | 4312N                      | 12524E       | 51.2         | 125.5             | GGGG                |                      | 127                   | 30                     |
| 2566-01360        | 30000/0000                                     | 2-20032/0014     | 08/10/76       | 20            | 7883                         | 4147N                      | 12453E       | 51.8         | 123.5             | GGGG                |                      | 127                   | 31                     |
| 2566-01362        | 30000/0000                                     | 2-20032/0015     | 08/10/76       | 10            | 7883                         | 4022N                      | 12423E       | 52.3         | 121.5             | GGGG                |                      | 127                   | 32                     |
| 2566-01365        | 30000/0000                                     | 2-20032/0016     | 08/10/76       | 10            | 7883                         | 3856N                      | 12353E       | 52.7         | 119.5             | GGGG                |                      | 127                   | 33                     |
| 2566-03150        | 30000/0000                                     | 2-20032/0017     | 08/10/76       | 60            | 7884                         | 5553N                      | 10525E       | 44.7         | 142.0             | GGGG                |                      | 145                   | 21                     |
| 2566-03153        | 30000/0000                                     | 2-20032/0018     | 08/10/76       | 80            | 7884                         | 5429N                      | 10437E       | 45.5         | 140.3             | GGGG                |                      | 145                   | 22                     |
| 2566-03155        | 30000/0000                                     | 2-20032/0019     | 08/10/76       | 80            | 7884                         | 5305N                      | 10352E       | 46.3         | 138.5             | GGGG                |                      | 145                   | 23                     |
| 2566-03162        | 30000/0000                                     | 2-20032/0020     | 08/10/76       | 50            | 7884                         | 5141N                      | 10309E       | 47.1         | 136.7             | GGFG                |                      | 145                   | 24                     |
| 2566-04573        | 30000/0000                                     | 2-20030/1036     | 08/10/76       | 40            | 7885                         | 5840N                      | 08122E       | 42.9         | 145.6             | G                   |                      | 163                   | 19                     |
| 2566-04575        | 30000/0000                                     | 2-20030/1037     | 08/10/76       | 90            | 7885                         | 5717N                      | 08028E       | 43.8         | 143.8             | GGGG                |                      | 163                   | 20                     |
| 2566-04582        | 30000/0000                                     | 2-20030/1038     | 08/10/76       | 90            | 7885                         | 5554N                      | 07937E       | 44.7         | 142.0             | GGGG                |                      | 163                   | 21                     |
| 2566-04584        | 30000/0000                                     | 2-20030/1039     | 08/10/76       | 50            | 7885                         | 5420N                      | 07849E       | 45.5         | 140.3             | GGGG                |                      | 163                   | 22                     |
| 2566-04591        | 30000/0000                                     | 2-20030/1040     | 08/10/76       | 20            | 7885                         | 5305N                      | 07804E       | 46.3         | 138.5             | GGGG                |                      | 163                   | 23                     |
| 2566-04593        | 30000/0000                                     | 2-20030/1041     | 08/10/76       | 30            | 7885                         | 5141N                      | 07721E       | 47.1         | 136.7             | GGGG                |                      | 163                   | 24                     |
| 2566-05000        | 30000/0000                                     | 2-20030/1042     | 08/10/76       | 20            | 7885                         | 5017N                      | 07641E       | 47.9         | 134.9             | GGGG                |                      | 163                   | 25                     |
| 2566-05002        | 30000/0000                                     | 2-20030/1043     | 08/10/76       | 10            | 7885                         | 4852N                      | 07602E       | 48.6         | 133.1             | GGGG                |                      | 163                   | 26                     |
| 2566-05020        | 30000/0000                                     | 2-20030/1044     | 08/10/76       | 0             | 7885                         | 4312N                      | 07345E       | 51.2         | 125.5             | GGGG                |                      | 163                   | 30                     |
| 2566-05034        | 30000/0000                                     | 2-20030/1045     | 08/10/76       | 0             | 7885                         | 3730N                      | 07146E       | 53.1         | 117.5             | GGGG                |                      | 163                   | 36                     |
| 2566-05041        | 30000/0000                                     | 2-20030/1046     | 08/10/76       | 10            | 7885                         | 3604N                      | 07119E       | 53.5         | 115.4             | GGGG                |                      | 163                   | 35                     |
| 2566-05043        | 30000/0000                                     | 2-20030/1047     | 08/10/76       | 20            | 7885                         | 3438N                      | 07082E       | 53.9         | 113.2             | GGGG                |                      | 163                   | 36                     |
| 2566-05050        | 30000/0000                                     | 2-20030/1048     | 08/10/76       | 30            | 7885                         | 3312N                      | 07027E       | 54.1         | 111.1             | GGGG                |                      | 163                   | 37                     |
| 2566-06395        | 30000/0000                                     | 2-20030/1049     | 08/10/76       | 70            | 7886                         | 6125N                      | 05732E       | 41.1         | 149.2             | GGGG                |                      | 181                   | 17                     |
| 2566-06402        | 30000/0000                                     | 2-20030/1050     | 08/10/76       | 60            | 7886                         | 6003N                      | 05630E       | 42.0         | 147.4             | GGGG                |                      | 181                   | 18                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER,  
IMAGE QUALITY ..... BLANKS=9AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, '77

LANDSAT-2  
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FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI<br>POSITION IN REEL<br>RBV | NR./<br>MSS  | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|-------------------|-------------------------------------------|--------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2566-06404        | 00000/0000                                | 2-20030/1051 | 08/10/76         | 80             | 7886            | 5840N                              | 05532E                              | 42.9         | 145.6        | GGGG                               |                     |                      | 181                     | 19                     |
| 2566-06411        | 00000/0000                                | 2-20030/1052 | 08/10/76         | 80             | 7886            | 5716N                              | 05438E                              | 43.8         | 143.8        | GGGG                               |                     |                      | 181                     | 20                     |
| 2566-06413        | 00000/0000                                | 2-20030/1053 | 08/10/76         | 60             | 7886            | 5553N                              | 05347E                              | 44.6         | 142.1        | GGGG                               |                     |                      | 181                     | 21                     |
| 2566-06420        | 00000/0000                                | 2-20030/1054 | 08/10/76         | 70             | 7886            | 5429N                              | 05259E                              | 45.5         | 140.3        | GGGG                               |                     |                      | 181                     | 22                     |
| 2566-06422        | 00000/0000                                | 2-20030/1055 | 08/10/76         | 60             | 7886            | 5305N                              | 05214E                              | 46.3         | 138.5        | GGGG                               |                     |                      | 181                     | 23                     |
| 2566-06425        | 00000/0000                                | 2-20030/1056 | 08/10/76         | 20             | 7886            | 5140N                              | 05131E                              | 47.1         | 136.7        | GGGG                               |                     |                      | 181                     | 24                     |
| 2566-06431        | 00000/0000                                | 2-20030/1057 | 08/10/76         | 20             | 7886            | 5016N                              | 05051E                              | 47.8         | 134.9        | GGGG                               |                     |                      | 181                     | 25                     |
| 2566-06484        | 00000/0000                                | 2-20030/1021 | 08/10/76         | 0              | 7886            | 3145N                              | 04413E                              | 54.4         | 108.9        | GGGG                               |                     |                      | 181                     | 38                     |
| 2566-07031        | 00000/0000                                | 2-20030/1022 | 08/10/76         | 10             | 7886            | 1846S                              | 03154E                              | 35.1         | 54.3         | FFFF                               |                     |                      | 181                     | 73                     |
| 2566-07034        | 00000/0000                                | 2-20030/1023 | 08/10/76         | 0              | 7886            | 2012S                              | 03133E                              | 34.1         | 53.6         | FFFF                               |                     |                      | 181                     | 74                     |
| 2566-07040        | 00000/0000                                | 2-20030/1024 | 08/10/76         | 0              | 7886            | 2139S                              | 03112E                              | 33.0         | 53.1         | FFFF                               |                     |                      | 181                     | 75                     |
| 2566-07043        | 00000/0000                                | 2-20030/1025 | 08/10/76         | 0              | 7886            | 2305S                              | 03049E                              | 31.9         | 52.5         | FFFF                               |                     |                      | 181                     | 76                     |
| 2566-08245        | 00000/0000                                | 2-20030/1026 | 08/10/76         | 100            | 7887            | 5552N                              | 02400E                              | 44.6         | 142.1        | GGGG                               |                     |                      | 199                     | 21                     |
| 2566-08251        | 00000/0000                                | 2-20030/1027 | 08/10/76         | 90             | 7887            | 5428N                              | 02712E                              | 45.5         | 140.3        | GGGG                               |                     |                      | 199                     | 22                     |
| 2566-08254        | 00000/0000                                | 2-20030/1028 | 08/10/76         | 50             | 7887            | 5304N                              | 02626E                              | 46.3         | 138.5        | GGGG                               |                     |                      | 199                     | 23                     |
| 2566-08260        | 00000/0000                                | 2-20030/1029 | 08/10/76         | 40             | 7887            | 5140N                              | 02544E                              | 47.1         | 136.8        | GGGG                               |                     |                      | 199                     | 24                     |
| 2566-08263        | 00000/0000                                | 2-20030/1030 | 08/10/76         | 10             | 7887            | 5016N                              | 02404E                              | 47.8         | 135.0        | GGGG                               |                     |                      | 199                     | 25                     |
| 2566-08265        | 00000/0000                                | 2-20030/1031 | 08/10/76         | 40             | 7887            | 4851N                              | 02426E                              | 48.6         | 133.1        | GGGG                               |                     |                      | 199                     | 26                     |
| 2566-08272        | 00000/0000                                | 2-20030/1032 | 08/10/76         | 30             | 7887            | 4726N                              | 02349E                              | 49.3         | 131.3        | GGGG                               |                     |                      | 199                     | 27                     |
| 2566-08340        | 00000/0000                                | 2-20030/1033 | 08/10/76         | 0              | 7887            | 2433N                              | 01626E                              | 54.8         | 98.0         | GGGG                               |                     |                      | 199                     | 43                     |
| 2566-08342        | 00000/0000                                | 2-20030/1034 | 08/10/76         | 0              | 7887            | 2307N                              | 01603E                              | 54.7         | 95.8         | GGGG                               |                     |                      | 199                     | 44                     |
| 2566-08345        | 00000/0000                                | 2-20030/1035 | 08/10/76         | 0              | 7887            | 2141N                              | 01540E                              | 54.6         | 93.6         | GGGG                               |                     |                      | 199                     | 45                     |
| 2566-13491        | 00000/0000                                | 2-20030/1061 | 08/10/76         | 60             | 7890            | 0549N                              | 06535W                              | 50.0         | 72.9         | GGGG                               |                     |                      | 2                       | 56                     |
| 2566-15341        | 00000/0000                                | 2-20030/1062 | 08/10/76         | 20             | 7891            | 0002N                              | 09243W                              | 47.2         | 67.0         | GGGG                               |                     |                      | 20                      | 60                     |
| 2566-15343        | 00000/0000                                | 2-20030/1072 | 08/10/76         | 10             | 7891            | 0123S                              | 09303W                              | 46.4         | 65.7         | GG                                 |                     |                      | 20                      | 61                     |
| 2566-17020        | 00000/0000                                | 2-20030/1103 | 08/10/76         | 40             | 7892            | 5306N                              | 10238W                              | 46.2         | 138.6        | GGGG                               |                     |                      | 38                      | 23                     |
| 2566-17022        | 00000/0000                                | 2-20030/1104 | 08/10/76         | 40             | 7892            | 5142N                              | 10320W                              | 47.0         | 136.9        | GGGG                               |                     |                      | 38                      | 24                     |
| 2566-17025        | 00000/0000                                | 2-20030/1105 | 08/10/76         | 40             | 7892            | 5017N                              | 10401W                              | 47.7         | 135.1        | GGGG                               |                     |                      | 38                      | 25                     |
| 2566-18354        | 2-20033/0137                              | 00000/0000   | 08/10/76         | 90             | 7893            | 8044N                              | 06450W                              | 23.1         | 215.0        | GG                                 |                     |                      | 43                      | 247                    |
| 2566-18363        | 2-20033/0138                              | 00000/0000   | 08/10/76         | 100            | 7893            | 7932N                              | 08031W                              | 25.3         | 199.0        | GGG                                |                     |                      | 56                      | 2                      |
| 2566-20231        | 00000/0000                                | 2-20030/1101 | 08/10/76         | 10             | 7894            | 7047N                              | 13411W                              | 33.9         | 164.2        | GGGG                               |                     |                      | 74                      | 10                     |
| 2566-22060        | 00000/0000                                | 2-20030/1102 | 08/10/76         | 80             | 7895            | 7202N                              | 16145W                              | 32.9         | 167.0        | GGGG                               |                     |                      | 92                      | 9                      |
| 2567-01391        | 00000/0000                                | 2-20030/1063 | 08/11/76         | 80             | 7897            | 5015N                              | 12452E                              | 47.7         | 135.1        | GGGG                               |                     |                      | 128                     | 25                     |
| 2567-01393        | 00000/0000                                | 2-20030/1064 | 08/11/76         | 70             | 7897            | 4851N                              | 12614E                              | 48.4         | 133.3        | GGGG                               |                     |                      | 128                     | 26                     |
| 2567-01400        | 00000/0000                                | 2-20030/1065 | 08/11/76         | 60             | 7897            | 4726N                              | 12537E                              | 49.1         | 131.5        | GGG                                |                     |                      | 128                     | 27                     |
| 2567-01402        | 00000/0000                                | 2-20030/1066 | 08/11/76         | 30             | 7897            | 4601N                              | 12503E                              | 49.8         | 129.6        | GGGG                               |                     |                      | 128                     | 28                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS-BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SUN<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-----------------------|------------------------|
| 2567-01405        | 30000/0000                                     | 2-20030/1067 | 08/11/76         | 10             | 7897                   | 4435N                              | 12429E                              | 50.4         | 127.7        | FG00              |                     |                      | 126                   | 29                     |
| 2567-01411        | 30000/0000                                     | 2-20030/1068 | 08/11/76         | 10             | 7897                   | 4310N                              | 12357E                              | 51.0         | 125.8        | GG00              |                     |                      | 128                   | 30                     |
| 2567-01414        | 30000/0000                                     | 2-20030/1069 | 08/11/76         | 10             | 7897                   | 4145N                              | 12327E                              | 51.6         | 123.8        | GG00              |                     |                      | 128                   | 31                     |
| 2567-01420        | 30000/0000                                     | 2-20030/1070 | 08/11/76         | 70             | 7897                   | 4020N                              | 12257E                              | 52.1         | 121.8        | GG00              |                     |                      | 128                   | 32                     |
| 2567-01423        | 30000/0000                                     | 2-20030/1071 | 08/11/76         | 90             | 7897                   | 3855N                              | 12227E                              | 52.4         | 119.8        | GG00              |                     |                      | 128                   | 33                     |
| 2567-03204        | 30000/0000                                     | 2-20030/1106 | 08/11/76         | 50             | 7898                   | 5554N                              | 10402E                              | 44.4         | 142.3        | FG00              |                     |                      | 146                   | 21                     |
| 2567-03211        | 30000/0000                                     | 2-20030/1107 | 08/11/76         | 80             | 7898                   | 5431N                              | 10314E                              | 45.2         | 140.5        | GG00              |                     |                      | 146                   | 22                     |
| 2567-03213        | 30000/0000                                     | 2-20030/1108 | 08/11/76         | 40             | 7898                   | 5307N                              | 10228E                              | 46.1         | 138.8        | GG00              |                     |                      | 146                   | 23                     |
| 2567-03220        | 30000/0000                                     | 2-20030/1109 | 08/11/76         | 40             | 7898                   | 5142N                              | 10145E                              | 46.8         | 137.0        | GG00              |                     |                      | 146                   | 24                     |
| 2567-03302        | 30000/0000                                     | 2-20030/1110 | 08/11/76         | 30             | 7898                   | 2309N                              | 09204E                              | 54.7         | 96.2         | GG00              |                     |                      | 146                   | 25                     |
| 2567-03304        | 30000/0000                                     | 2-20030/1111 | 08/11/76         | 30             | 7898                   | 2144N                              | 09142E                              | 54.5         | 94.1         | GG00              |                     |                      | 146                   | 26                     |
| 2567-05031        | 30000/0000                                     | 2-20030/1112 | 08/11/76         | 90             | 7899                   | 5841N                              | 07955E                              | 42.6         | 145.8        | GG00              |                     |                      | 182                   | 19                     |
| 2567-05033        | 30000/0000                                     | 2-20030/1113 | 08/11/76         | 80             | 7899                   | 5718N                              | 07901E                              | 43.5         | 144.0        | GG00              |                     |                      | 182                   | 20                     |
| 2567-05040        | 30000/0000                                     | 2-20030/1114 | 08/11/76         | 30             | 7899                   | 5555N                              | 07811E                              | 44.4         | 142.3        | GG00              |                     |                      | 182                   | 21                     |
| 2567-05042        | 30000/0000                                     | 2-20030/1115 | 08/11/76         | 30             | 7899                   | 5431N                              | 07723E                              | 45.2         | 140.5        | GG00              |                     |                      | 182                   | 22                     |
| 2567-05045        | 30000/0000                                     | 2-20030/1116 | 08/11/76         | 10             | 7899                   | 5307N                              | 07638E                              | 46.0         | 138.8        | GG00              |                     |                      | 182                   | 23                     |
| 2567-05051        | 30000/0000                                     | 2-20030/1117 | 08/11/76         | 10             | 7899                   | 5143N                              | 07555E                              | 46.8         | 137.0        | GG00              |                     |                      | 182                   | 24                     |
| 2567-05054        | 30000/0000                                     | 2-20030/1118 | 08/11/76         | 20             | 7899                   | 5019N                              | 07514E                              | 47.6         | 135.2        | GG00              |                     |                      | 182                   | 25                     |
| 2567-05060        | 30000/0000                                     | 2-20030/1119 | 08/11/76         | 10             | 7899                   | 4854N                              | 07436E                              | 48.3         | 133.4        | GG00              |                     |                      | 182                   | 26                     |
| 2567-05092        | 30000/0000                                     | 2-20030/1120 | 08/11/76         | 0              | 7899                   | 3730N                              | 07021E                              | 53.0         | 117.9        | GG00              |                     |                      | 182                   | 27                     |
| 2567-06454        | 30000/0000                                     | 2-20030/1121 | 08/11/76         | 90             | 7900                   | 6127N                              | 05610E                              | 40.8         | 149.4        | GG00              |                     |                      | 182                   | 17                     |
| 2567-06460        | 30000/0000                                     | 2-20030/1122 | 08/11/76         | 90             | 7900                   | 6005N                              | 05507E                              | 41.7         | 147.6        | GG00              |                     |                      | 182                   | 18                     |
| 2567-06463        | 30000/0000                                     | 2-20030/1123 | 08/11/76         | 100            | 7900                   | 5841N                              | 05409E                              | 42.6         | 145.8        | GG00              |                     |                      | 182                   | 19                     |
| 2567-06465        | 30000/0000                                     | 2-20030/1124 | 08/11/76         | 80             | 7900                   | 5718N                              | 05314E                              | 43.5         | 144.0        | GG00              |                     |                      | 182                   | 20                     |
| 2567-06472        | 30000/0000                                     | 2-20030/1125 | 08/11/76         | 90             | 7900                   | 5555N                              | 05223E                              | 44.4         | 142.3        | GG00              |                     |                      | 182                   | 21                     |
| 2567-06481        | 30000/0000                                     | 2-20030/1073 | 08/11/76         | 50             | 7900                   | 5306N                              | 05051E                              | 46.0         | 138.8        | GG00              |                     |                      | 182                   | 22                     |
| 2567-06533        | 30000/0000                                     | 2-20030/1074 | 08/11/76         | 0              | 7900                   | 3439N                              | 04339E                              | 53.7         | 113.7        | GG00              |                     |                      | 182                   | 23                     |
| 2567-06540        | 30000/0000                                     | 2-20030/1126 | 08/11/76         | 0              | 7900                   | 3313N                              | 04313E                              | 54.0         | 111.6        | GG00              |                     |                      | 182                   | 24                     |
| 2567-07083        | 30000/0000                                     | 2-20030/1127 | 08/11/76         | 0              | 7900                   | 1718S                              | 03051E                              | 36.3         | 55.2         | GG00              |                     |                      | 182                   | 25                     |
| 2567-07090        | 30000/0000                                     | 2-20030/1128 | 08/11/76         | 0              | 7900                   | 1844S                              | 03029E                              | 35.3         | 54.5         | FG00              |                     |                      | 182                   | 26                     |
| 2567-07092        | 30000/0000                                     | 2-20030/1129 | 08/11/76         | 0              | 7900                   | 2011S                              | 03007E                              | 34.3         | 53.9         | FG00              |                     |                      | 182                   | 27                     |
| 2567-07095        | 30000/0000                                     | 2-20030/1130 | 08/11/76         | 0              | 7900                   | 2137S                              | 02944E                              | 33.2         | 53.3         | FG00              |                     |                      | 182                   | 28                     |
| 2567-07101        | 30000/0000                                     | 2-20030/1131 | 08/11/76         | 0              | 7900                   | 2304S                              | 02924E                              | 32.2         | 52.8         | FG00              |                     |                      | 182                   | 29                     |
| 2567-08303        | 30000/0000                                     | 2-20030/1132 | 08/11/76         | 90             | 7901                   | 5554N                              | 02633E                              | 44.3         | 142.3        | GG00              |                     |                      | 200                   | 21                     |
| 2567-08310        | 30000/0000                                     | 2-20030/1133 | 08/11/76         | 70             | 7901                   | 5430N                              | 02545E                              | 45.2         | 140.5        | GG00              |                     |                      | 200                   | 22                     |
| 2567-08312        | 30000/0000                                     | 2-20030/1134 | 08/11/76         | 70             | 7901                   | 5306N                              | 02500E                              | 46.0         | 138.8        | GG00              |                     |                      | 200                   | 23                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>45678<br>MODE | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-------------------|----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2567-08315        | 00000/0000                   | 2-20030/1135                | 08/11/76         | 80             | 7901            | 5141N                        | 02418E        | 46.8         | 137.0        |                   |                      |                     |                      | 200                     | 24                     |
| 2567-08321        | 00000/0000                   | 2-20030/1136                | 08/11/76         | 60             | 7901            | 5016N                        | 02337E        | 47.6         | 135.2        | GGGG              |                      |                     |                      | 200                     | 25                     |
| 2567-08324        | 00000/0000                   | 2-20030/1137                | 08/11/76         | 50             | 7901            | 4851N                        | 02258E        | 48.3         | 133.4        | GGGG              |                      |                     |                      | 200                     | 26                     |
| 2567-08394        | 00000/0000                   | 2-20030/1138                | 08/11/76         | 0              | 7901            | 2435N                        | 01459E        | 54.7         | 98.5         | GGGG              |                      |                     |                      | 200                     | 43                     |
| 2567-08401        | 00000/0000                   | 2-20030/1139                | 08/11/76         | 10             | 7901            | 2308N                        | 01437E        | 54.6         | 96.3         | GGGG              |                      |                     |                      | 200                     | 44                     |
| 2567-08403        | 00000/0000                   | 2-20030/1140                | 08/11/76         | 30             | 7901            | 2141N                        | 01414E        | 54.5         | 94.2         | GGGG              |                      |                     |                      | 200                     | 45                     |
| 2567-13505        | 2-20033/0139                 | 00000/0000                  | 08/11/76         | 30             | 7904            | 2002N                        | 06335W        | 54.3         | 91.8         | GGG               |                      |                     |                      | 3                       | 46                     |
| 2567-13511        | 2-20033/0140                 | 00000/0000                  | 08/11/76         | 30             | 7904            | 1836N                        | 06357W        | 54.1         | 89.7         | GGG               |                      |                     |                      | 3                       | 47                     |
| 2567-13514        | 2-20035/0141                 | 00000/0000                  | 08/11/76         | 50             | 7904            | 1709N                        | 06419W        | 53.8         | 87.7         | GGG               |                      |                     |                      | 3                       | 48                     |
| 2567-17074        | 00000/0000                   | 2-20030/1141                | 08/11/76         | 10             | 7906            | 5305N                        | 10402W        | 45.9         | 138.8        | GGGG              |                      |                     |                      | 39                      | 23                     |
| 2567-17081        | 00000/0000                   | 2-20030/1142                | 08/11/76         | 10             | 7906            | 5140N                        | 10445W        | 46.7         | 137.1        | GGGG              |                      |                     |                      | 39                      | 24                     |
| 2567-17083        | 00000/0000                   | 2-20030/1143                | 08/11/76         | 10             | 7906            | 5016N                        | 10525W        | 47.5         | 135.3        | GGGG              |                      |                     |                      | 39                      | 25                     |
| 2567-18412        | 2-20033/0142                 | 00000/0000                  | 08/11/76         | 70             | 7907            | 8041N                        | 06641W        | 22.9         | 214.5        | GGG               |                      |                     |                      | 39                      | 248                    |
| 2567-18415        | 2-20033/0143                 | 00000/0000                  | 08/11/76         | 70             | 7907            | 8010N                        | 07455W        | 24.0         | 206.1        | GGG               |                      |                     |                      | 57                      | 1                      |
| 2567-18421        | 2-20033/0144                 | 00000/0000                  | 08/11/76         | 90             | 7907            | 7928N                        | 08212W        | 25.1         | 198.6        | GGG               |                      |                     |                      | 57                      | 2                      |
| 2567-22120        | 00000/0000                   | 2-20030/1145                | 08/11/76         | 70             | 7909            | 7048N                        | 16530W        | 33.6         | 164.3        | GGGG              |                      |                     |                      | 93                      | 10                     |
| 2568-01445        | 00000/0000                   | 2-20030/1075                | 08/12/76         | 20             | 7911            | 5017N                        | 12529E        | 47.4         | 135.4        | GGGG              |                      |                     |                      | 129                     | 25                     |
| 2568-01452        | 00000/0000                   | 2-20030/1076                | 08/12/76         | 20             | 7911            | 4852N                        | 12451E        | 48.1         | 133.6        | GGGG              |                      |                     |                      | 129                     | 26                     |
| 2568-01454        | 00000/0000                   | 2-20030/1077                | 08/12/76         | 20             | 7911            | 4727N                        | 12413E        | 48.8         | 131.8        | GGGG              |                      |                     |                      | 129                     | 27                     |
| 2568-01461        | 00000/0000                   | 2-20030/1078                | 08/12/76         | 10             | 7911            | 4602N                        | 12338E        | 49.5         | 129.9        | GGGG              |                      |                     |                      | 129                     | 28                     |
| 2568-01463        | 00000/0000                   | 2-20030/1079                | 08/12/76         | 20             | 7911            | 4437N                        | 12304E        | 50.2         | 128.1        | GGGG              |                      |                     |                      | 129                     | 29                     |
| 2568-01470        | 00000/0000                   | 2-20030/1080                | 08/12/76         | 40             | 7911            | 4312N                        | 12232E        | 50.8         | 126.2        | GGGG              |                      |                     |                      | 129                     | 30                     |
| 2568-01472        | 00000/0000                   | 2-20030/1081                | 08/12/76         | 90             | 7911            | 4146N                        | 12201E        | 51.3         | 124.2        | GGGG              |                      |                     |                      | 129                     | 31                     |
| 2568-01475        | 00000/0000                   | 2-20030/1082                | 08/12/76         | 100            | 7911            | 4020N                        | 12131E        | 51.9         | 122.2        | GGGG              |                      |                     |                      | 129                     | 32                     |
| 2568-01481        | 00000/0000                   | 2-20030/1083                | 08/12/76         | 100            | 7911            | 3855N                        | 12102E        | 52.4         | 120.2        | GGGG              |                      |                     |                      | 129                     | 33                     |
| 2568-01484        | 00000/0000                   | 2-20030/1084                | 08/12/76         | 100            | 7911            | 3730N                        | 12034E        | 52.8         | 118.2        | GGGG              |                      |                     |                      | 129                     | 34                     |
| 2568-01490        | 00000/0000                   | 2-20030/1085                | 08/12/76         | 90             | 7911            | 3604N                        | 12007E        | 53.2         | 116.1        | GGGG              |                      |                     |                      | 129                     | 35                     |
| 2568-01493        | 00000/0000                   | 2-20030/1086                | 08/12/76         | 60             | 7911            | 3438N                        | 11940E        | 53.6         | 114.0        | GGGG              |                      |                     |                      | 129                     | 36                     |
| 2568-03263        | 00000/0000                   | 2-20030/1146                | 08/12/76         | 30             | 7912            | 5553N                        | 10232E        | 44.1         | 142.4        | GGGG              |                      |                     |                      | 147                     | 21                     |
| 2568-03265        | 00000/0000                   | 2-20030/1147                | 08/12/76         | 40             | 7912            | 5429N                        | 10145E        | 45.0         | 140.7        | GGGG              |                      |                     |                      | 147                     | 22                     |
| 2568-03272        | 00000/0000                   | 2-20030/1148                | 08/12/76         | 30             | 7912            | 5304N                        | 10100E        | 45.8         | 138.9        | GGGG              |                      |                     |                      | 147                     | 23                     |
| 2568-05094        | 00000/0000                   | 2-20030/1178                | 08/12/76         | 30             | 7913            | 6554N                        | 07445E        | 44.1         | 142.4        | GGG               |                      |                     |                      | 165                     | 21                     |
| 2568-05101        | 00000/0000                   | 2-20030/1179                | 08/12/76         | 70             | 7913            | 5429N                        | 07558E        | 45.0         | 140.7        | GGGG              |                      |                     |                      | 165                     | 22                     |
| 2568-05103        | 00000/0000                   | 2-20030/1180                | 08/12/76         | 90             | 7913            | 5305N                        | 07512E        | 45.8         | 138.9        | GGGG              |                      |                     |                      | 165                     | 23                     |
| 2568-05110        | 00000/0000                   | 2-20030/1181                | 08/12/76         | 40             | 7913            | 5141N                        | 07429E        | 46.6         | 137.2        | GGGG              |                      |                     |                      | 165                     | 24                     |
| 2568-05112        | 00000/0000                   | 2-20030/1182                | 08/12/76         | 70             | 7913            | 5016N                        | 07349E        | 47.4         | 135.4        | GGGG              |                      |                     |                      | 165                     | 25                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANK)=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>RBV | RAI NO./<br>POSITION IN RAI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME-<br>ROW<br>NUMBER |
|-------------------|---------------------------------|------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|-------------------------|
| 2568-05115        | 00000/0000                      | 2-20030/1183                       | 08/12/76         | 10             | 7913            | 4851N                        | 07310E        | 48.1         | 133.6        | GGGG                               |                     |                      | 165                     | 26                      |
| 2568-05135        | 00000/0000                      | 2-20030/1184                       | 08/12/76         | 0              | 7913            | 4446N                        | 07022E        | 51.3         | 124.3        | GGGG                               |                     |                      | 165                     | 31                      |
| 2568-05142        | 00000/0000                      | 2-20030/1185                       | 08/12/76         | 0              | 7913            | 4021N                        | 06951E        | 51.8         | 122.2        | GGGG                               |                     |                      | 165                     | 32                      |
| 2568-06512        | 00000/0000                      | 2-20030/1186                       | 08/12/76         | 90             | 7914            | 6198N                        | 05440E        | 40.8         | 149.5        | GF00                               |                     |                      | 183                     | 17                      |
| 2568-06514        | 00000/0000                      | 2-20030/1187                       | 08/12/76         | 90             | 7914            | 6002N                        | 05338E        | 41.4         | 147.7        | GF00                               |                     |                      | 183                     | 18                      |
| 2568-06521        | 00000/0000                      | 2-20030/1188                       | 08/12/76         | 90             | 7914            | 5839N                        | 05940E        | 42.3         | 145.9        | GF00                               |                     |                      | 183                     | 19                      |
| 2568-06523        | 00000/0000                      | 2-20030/1189                       | 08/12/76         | 90             | 7914            | 5716N                        | 05145E        | 43.2         | 144.2        | GF00                               |                     |                      | 183                     | 20                      |
| 2568-06530        | 00000/0000                      | 2-20030/1190                       | 08/12/76         | 90             | 7914            | 5552N                        | 05085E        | 44.1         | 142.4        | GF00                               |                     |                      | 183                     | 21                      |
| 2568-06532        | 00000/0000                      | 2-20030/1191                       | 08/12/76         | 90             | 7914            | 5428N                        | 05007E        | 45.0         | 140.7        | GF00                               |                     |                      | 183                     | 22                      |
| 2568-06535        | 00000/0000                      | 2-20030/1087                       | 08/12/76         | 50             | 7914            | 5304N                        | 04921E        | 45.8         | 139.0        | GGGG                               |                     |                      | 183                     | 23                      |
| 2568-06541        | 00000/0000                      | 2-20030/1088                       | 08/12/76         | 30             | 7914            | 5139N                        | 04839E        | 46.6         | 137.2        | GGGG                               |                     |                      | 183                     | 24                      |
| 2568-06544        | 00000/0000                      | 2-20030/1089                       | 08/12/76         | 30             | 7914            | 5015N                        | 04759E        | 47.4         | 135.4        | GGGG                               |                     |                      | 183                     | 25                      |
| 2568-06550        | 00000/0000                      | 2-20030/1090                       | 08/12/76         | 10             | 7914            | 4850N                        | 04720E        | 48.1         | 133.6        | GGGG                               |                     |                      | 183                     | 26                      |
| 2568-06553        | 00000/0000                      | 2-20030/1091                       | 08/12/76         | 10             | 7914            | 4726N                        | 04644E        | 48.8         | 131.8        | GGGG                               |                     |                      | 183                     | 27                      |
| 2568-06555        | 00000/0000                      | 2-20030/1092                       | 08/12/76         | 10             | 7914            | 4601N                        | 04609E        | 49.5         | 130.0        | GGGG                               |                     |                      | 183                     | 28                      |
| 2568-06562        | 00000/0000                      | 2-20030/1093                       | 08/12/76         | 20             | 7914            | 4436N                        | 04534E        | 50.1         | 128.1        | GGGG                               |                     |                      | 183                     | 29                      |
| 2568-06564        | 00000/0000                      | 2-20030/1094                       | 08/12/76         | 60             | 7914            | 4311N                        | 04503E        | 50.7         | 126.2        | GGGG                               |                     |                      | 183                     | 30                      |
| 2568-06582        | 00000/0000                      | 2-20030/1095                       | 08/12/76         | 10             | 7914            | 3728N                        | 04305E        | 52.8         | 118.3        | GGGG                               |                     |                      | 183                     | 34                      |
| 2568-07135        | 00000/0000                      | 2-20030/1096                       | 08/12/76         | 0              | 7914            | 1554S                        | 02945E        | 37.5         | 56.2         | GF00                               |                     |                      | 183                     | 71                      |
| 2568-07141        | 00000/0000                      | 2-20030/1097                       | 08/12/76         | 0              | 7914            | 1720S                        | 02924E        | 36.5         | 55.5         | FG00                               |                     |                      | 183                     | 72                      |
| 2568-07144        | 00000/0000                      | 2-20030/1098                       | 08/12/76         | 0              | 7914            | 1846S                        | 02902E        | 35.5         | 54.8         | FFF                                |                     |                      | 183                     | 73                      |
| 2568-07150        | 00000/0000                      | 2-20030/1099                       | 08/12/76         | 0              | 7914            | 2013S                        | 02841E        | 34.5         | 54.2         | GGGG                               |                     |                      | 183                     | 74                      |
| 2568-07153        | 00000/0000                      | 2-20030/1100                       | 08/12/76         | 0              | 7914            | 2140S                        | 02819E        | 33.4         | 53.6         | FG00                               |                     |                      | 183                     | 75                      |
| 2568-08350        | 00000/0000                      | 2-20030/1192                       | 08/12/76         | 60             | 7915            | 6005N                        | 02754E        | 41.4         | 147.7        | GF00                               |                     |                      | 201                     | 18                      |
| 2568-08352        | 00000/0000                      | 2-20030/1193                       | 08/12/76         | 90             | 7915            | 5842N                        | 02655E        | 42.3         | 146.0        | GF00                               |                     |                      | 201                     | 19                      |
| 2568-08355        | 00000/0000                      | 2-20030/1194                       | 08/12/76         | 90             | 7915            | 5719N                        | 02601E        | 43.2         | 144.2        | GF00                               |                     |                      | 201                     | 20                      |
| 2568-08361        | 00000/0000                      | 2-20030/1195                       | 08/12/76         | 90             | 7915            | 5556N                        | 02510E        | 44.1         | 142.5        | GF00                               |                     |                      | 201                     | 21                      |
| 2568-08364        | 00000/0000                      | 2-20030/1197                       | 08/12/76         | 90             | 7915            | 5431N                        | 02422E        | 44.9         | 140.8        | FG00                               |                     |                      | 201                     | 22                      |
| 2568-08370        | 00000/0000                      | 2-20030/1198                       | 08/12/76         | 80             | 7915            | 5307N                        | 02336E        | 45.7         | 139.0        | FG00                               |                     |                      | 201                     | 23                      |
| 2568-08373        | 00000/0000                      | 2-20030/1199                       | 08/12/76         | 70             | 7915            | 5143N                        | 02254E        | 46.5         | 137.3        | FG00                               |                     |                      | 201                     | 24                      |
| 2568-08375        | 00000/0000                      | 2-20030/1200                       | 08/12/76         | 70             | 7915            | 5018N                        | 02213E        | 47.3         | 135.5        | FG00                               |                     |                      | 201                     | 25                      |
| 2568-08382        | 00000/0000                      | 2-20030/1201                       | 08/12/76         | 60             | 7915            | 4854N                        | 02138E        | 48.0         | 133.7        | FG00                               |                     |                      | 201                     | 26                      |
| 2568-08452        | 00000/0000                      | 2-20030/1202                       | 08/12/76         | 80             | 7915            | 2437N                        | 01333E        | 54.6         | 99.0         | GF00                               |                     |                      | 201                     | 43                      |
| 2568-08455        | 00000/0000                      | 2-20030/1203                       | 08/12/76         | 40             | 7915            | 2310N                        | 01311E        | 54.6         | 96.9         | GGGG                               |                     |                      | 201                     | 44                      |
| 2568-13495        | 00000/0000                      | 2-20032/0026                       | 08/12/76         | 30             | 7918            | 4312N                        | 05810W        | 50.7         | 126.3        | FG00                               |                     |                      | 4                       | 30                      |
| 2568-13501        | 00000/0000                      | 2-20032/0027                       | 08/12/76         | 70             | 7918            | 4147N                        | 05841W        | 51.2         | 124.4        | GGGG                               |                     |                      | 4                       | 31                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>REEL<br>NUMBER |
|-------------------|----------------------------------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|-------------------------|
| 2568-13520        | 2-20032/1885                                       | 00000/0000       | 08/12/76       | 20              | 7918 3552N                              | 06039W       | 53.2 116.0   | GGG                                |                     |                      |                         | 35                      |
| 2568-13522        | 2-20032/1886                                       | 00000/0000       | 08/12/76       | 30              | 7918 3476N                              | 06106W       | 53.5 113.9   | FGG                                |                     |                      |                         | 36                      |
| 2568-13525        | 2-20032/1887                                       | 00000/0000       | 08/12/76       | 30              | 7918 3300N                              | 06132W       | 53.8 111.8   | GGG                                |                     |                      |                         | 37                      |
| 2568-13565        | 2-20033/0145                                       | 00000/0000       | 08/12/76       | 30              | 7918 1843N                              | 06521W       | 54.1 90.4    | GGG                                |                     |                      |                         | 47                      |
| 2568-13572        | 2-20033/0146                                       | 00000/0000       | 08/12/76       | 30              | 7918 1716N                              | 06543W       | 53.8 88.4    | GGG                                |                     |                      |                         | 48                      |
| 2568-17085        | 00000/0000                                         | 2-20030/1272     | 08/12/76       | 60              | 7920 6811N                              | 09323W       | 35.5 159.5   | G GG                               |                     |                      | 40                      | 12                      |
| 2568-17091        | 00000/0000                                         | 2-20030/1273     | 08/12/76       | 60              | 7920 6652N                              | 09500W       | 36.5 157.3   | GGGG                               |                     |                      | 40                      | 13                      |
| 2568-17094        | 00000/0000                                         | 2-20030/1274     | 08/12/76       | 40              | 7920 6532N                              | 09629W       | 37.5 155.2   | GGGG                               |                     |                      | 40                      | 14                      |
| 2568-17100        | 00000/0000                                         | 2-20030/1275     | 08/12/76       | 20              | 7920 6411N                              | 09750W       | 38.4 153.3   | G                                  |                     |                      | 40                      | 15                      |
| 2568-17103        | 00000/0000                                         | 2-20030/1276     | 08/12/76       | 10              | 7920 6249N                              | 09903W       | 39.4 151.4   | GGFG                               |                     |                      | 40                      | 16                      |
| 2568-17105        | 00000/0000                                         | 2-20030/1277     | 08/12/76       | 10              | 7920 6127N                              | 10012W       | 40.4 149.5   | GGGG                               |                     |                      | 40                      | 17                      |
| 2568-17112        | 00000/0000                                         | 2-20030/1278     | 08/12/76       | 10              | 7920 6004N                              | 10114W       | 41.3 147.8   | GGGG                               |                     |                      | 40                      | 18                      |
| 2568-17114        | 00000/0000                                         | 2-20030/1163     | 08/12/76       | 40              | 7920 5841N                              | 10213W       | 42.2 146.0   | GGGG                               |                     |                      | 40                      | 19                      |
| 2568-17121        | 00000/0000                                         | 2-20030/1164     | 08/12/76       | 90              | 7920 5717N                              | 10307W       | 43.1 144.3   | GGGG                               |                     |                      | 40                      | 20                      |
| 2568-17123        | 00000/0000                                         | 2-20030/1165     | 08/12/76       | 90              | 7920 5554N                              | 10358W       | 44.0 142.5   | GGGG                               |                     |                      | 40                      | 21                      |
| 2568-17130        | 00000/0000                                         | 2-20030/1166     | 08/12/76       | 80              | 7920 5430N                              | 10446W       | 44.8 140.8   | GGGG                               |                     |                      | 40                      | 22                      |
| 2568-17132        | 00000/0000                                         | 2-20030/1167     | 08/12/76       | 80              | 7920 5306N                              | 10531W       | 45.7 139.1   | GGGG                               |                     |                      | 40                      | 23                      |
| 2568-17135        | 00000/0000                                         | 2-20030/1168     | 08/12/76       | 60              | 7920 5141N                              | 10613W       | 46.5 137.3   | GGGG                               |                     |                      | 40                      | 24                      |
| 2568-17141        | 00000/0000                                         | 2-20030/1169     | 08/12/76       | 20              | 7920 5017N                              | 10653W       | 47.2 135.6   | GGGG                               |                     |                      | 40                      | 25                      |
| 2568-18473        | 2-20033/0147                                       | 00000/0000       | 08/12/76       | 100             | 7921 8011N                              | 07415W       | 23.7 206.3   | GGG                                |                     |                      | 58                      | 1                       |
| 2568-18480        | 2-20033/0148                                       | 00000/0000       | 08/12/76       | 90              | 7921 7930N                              | 08333W       | 24.8 198.8   | G                                  |                     |                      | 58                      | 2                       |
| 2568-22175        | 00000/0000                                         | 2-20030/1279     | 08/12/76       | 80              | 7923 7049N                              | 16653W       | 33.3 164.4   | GGGG                               |                     |                      | 94                      | 10                      |
| 2568-22181        | 00000/0000                                         | 2-20030/1280     | 08/12/76       | 100             | 7923 6931N                              | 16856W       | 34.3 161.9   | GGGG                               |                     |                      | 94                      | 11                      |
| 2568-22184        | 00000/0000                                         | 2-20030/1281     | 08/12/76       | 100             | 7923 6812N                              | 17046W       | 35.4 159.6   | GGGG                               |                     |                      | 94                      | 12                      |
| 2569-01503        | 00000/0000                                         | 2-20030/1204     | 08/13/76       | 10              | 7925 5018N                              | 12403E       | 47.1 135.7   | GGGG                               |                     |                      | 130                     | 25                      |
| 2569-01510        | 00000/0000                                         | 2-20030/1205     | 08/13/76       | 20              | 7925 4853N                              | 12325E       | 47.9 133.9   | GGGG                               |                     |                      | 130                     | 26                      |
| 2569-01512        | 00000/0000                                         | 2-20030/1206     | 08/13/76       | 10              | 7925 4729N                              | 12248E       | 48.6 132.1   | GGGG                               |                     |                      | 130                     | 27                      |
| 2569-01515        | 00000/0000                                         | 2-20030/1207     | 08/13/76       | 10              | 7925 4604N                              | 12214E       | 49.3 130.3   | GGGG                               |                     |                      | 130                     | 28                      |
| 2569-01521        | 00000/0000                                         | 2-20030/1208     | 08/13/76       | 20              | 7925 4439N                              | 12140E       | 49.9 128.4   | GGGG                               |                     |                      | 130                     | 29                      |
| 2569-01524        | 00000/0000                                         | 2-20030/1209     | 08/13/76       | 40              | 7925 4314N                              | 12108E       | 50.5 126.5   | GGGG                               |                     |                      | 130                     | 30                      |
| 2569-01530        | 00000/0000                                         | 2-20030/1210     | 08/13/76       | 90              | 7925 4148N                              | 12036E       | 51.1 124.6   | FFGG                               |                     |                      | 130                     | 31                      |
| 2569-01533        | 00000/0000                                         | 2-20030/1211     | 08/13/76       | 80              | 7925 4024N                              | 12006E       | 51.7 122.7   | FFGG                               |                     |                      | 130                     | 32                      |
| 2569-01535        | 00000/0000                                         | 2-20030/1212     | 08/13/76       | 90              | 7925 3857N                              | 11937E       | 52.2 120.7   | FFGG                               |                     |                      | 130                     | 33                      |
| 2569-01542        | 00000/0000                                         | 2-20030/1213     | 08/13/76       | 90              | 7925 3732N                              | 11909E       | 52.6 118.6   | FFGG                               |                     |                      | 130                     | 34                      |
| 2569-01544        | 00000/0000                                         | 2-20030/1214     | 08/13/76       | 100             | 7925 3606N                              | 11841E       | 53.0 116.6   | FFGG                               |                     |                      | 130                     | 35                      |
| 2569-01551        | 00000/0000                                         | 2-20030/1215     | 08/13/76       | 90              | 7925 3440N                              | 11815E       | 53.4 114.5   | FFGG                               |                     |                      | 130                     | 36                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2569-03314        | 00000/0000                                     | 2-20030/1216     | 08/13/76       | 30              | 7926                               | 57.8N        | 10158E       | 43.0              | 144.4               | GGGG                 | 148                     | 20                     |
| 2569-03321        | 00000/0000                                     | 2-20030/1217     | 08/13/76       | 30              | 7926                               | 55.5N        | 10107E       | 43.9              | 142.6               | GGGG                 | 148                     | 21                     |
| 2569-03323        | 00000/0000                                     | 2-20030/1218     | 08/13/76       | 30              | 7926                               | 54.3N        | 10020E       | 44.7              | 140.9               | GGGG                 | 148                     | 22                     |
| 2569-05150        | 00000/0000                                     | 2-20030/1219     | 08/13/76       | 40              | 7927                               | 57.8N        | 07611E       | 43.0              | 144.4               | GGGG                 | 166                     | 20                     |
| 2569-05152        | 00000/0000                                     | 2-20030/1220     | 08/13/76       | 80              | 7927                               | 55.5N        | 07520E       | 43.8              | 142.6               | GGGG                 | 166                     | 21                     |
| 2569-05155        | 00000/0000                                     | 2-20030/1221     | 08/13/76       | 80              | 7927                               | 54.3N        | 07432E       | 44.7              | 140.9               | GGGG                 | 166                     | 22                     |
| 2569-05161        | 00000/0000                                     | 2-20030/1222     | 08/13/76       | 30              | 7927                               | 53.0N        | 07347E       | 45.5              | 139.2               | GGGG                 | 166                     | 23                     |
| 2569-05164        | 00000/0000                                     | 2-20030/1223     | 08/13/76       | 10              | 7927                               | 51.4N        | 07305E       | 46.3              | 137.5               | GGGG                 | 166                     | 24                     |
| 2569-05170        | 00000/0000                                     | 2-20030/1224     | 08/13/76       | 10              | 7927                               | 50.1N        | 07224E       | 47.1              | 135.7               | GGGG                 | 166                     | 25                     |
| 2569-05173        | 00000/0000                                     | 2-20030/1196     | 08/13/76       | 30              | 7927                               | 48.5N        | 07146E       | 47.8              | 133.9               | 0                    | 166                     | 26                     |
| 2569-05175        | 00000/0000                                     | 2-20030/1225     | 08/13/76       | 10              | 7927                               | 47.2N        | 07109E       | 48.6              | 132.1               | GGG                  | 166                     | 27                     |
| 2569-05182        | 00000/0000                                     | 2-20030/1226     | 08/13/76       | 0               | 7927                               | 46.0N        | 07034E       | 49.2              | 130.3               | GGGG                 | 166                     | 28                     |
| 2569-05184        | 00000/0000                                     | 2-20030/1227     | 08/13/76       | 0               | 7927                               | 44.3N        | 07000E       | 49.9              | 128.5               | GGGG                 | 166                     | 29                     |
| 2569-05191        | 00000/0000                                     | 2-20030/1228     | 08/13/76       | 0               | 7927                               | 43.1N        | 06928E       | 50.5              | 126.6               | GGGG                 | 166                     | 30                     |
| 2569-05193        | 00000/0000                                     | 2-20030/1229     | 08/13/76       | 0               | 7927                               | 41.8N        | 06856E       | 51.1              | 124.6               | GGGG                 | 166                     | 31                     |
| 2569-05200        | 00000/0000                                     | 2-20030/1230     | 08/13/76       | 0               | 7927                               | 40.3N        | 06826E       | 51.6              | 122.7               | GGGG                 | 166                     | 32                     |
| 2569-05241        | 00000/0000                                     | 2-20030/1231     | 08/13/76       | 50              | 7927                               | 26.2N        | 06409E       | 54.5              | 101.6               | GGGG                 | 166                     | 42                     |
| 2569-06570        | 00000/0000                                     | 2-20030/1149     | 08/13/76       | 10              | 7928                               | 61.7N        | 05316E       | 40.2              | 149.6               | GGGG                 | 184                     | 17                     |
| 2569-06573        | 00000/0000                                     | 2-20030/1150     | 08/13/76       | 60              | 7928                               | 60.0N        | 05213E       | 41.1              | 147.9               | GGGG                 | 184                     | 18                     |
| 2569-06575        | 00000/0000                                     | 2-20030/1151     | 08/13/76       | 90              | 7928                               | 58.4N        | 05114E       | 42.0              | 146.1               | GGGG                 | 184                     | 19                     |
| 2569-06582        | 00000/0000                                     | 2-20030/1152     | 08/13/76       | 90              | 7928                               | 57.1N        | 05020E       | 42.9              | 144.4               | GGGG                 | 184                     | 20                     |
| 2569-06584        | 00000/0000                                     | 2-20030/1153     | 08/13/76       | 90              | 7928                               | 55.5N        | 04930E       | 43.8              | 142.7               | GGGG                 | 184                     | 21                     |
| 2569-06591        | 00000/0000                                     | 2-20030/1154     | 08/13/76       | 80              | 7928                               | 54.3N        | 04842E       | 44.7              | 140.9               | GGGG                 | 184                     | 22                     |
| 2569-06593        | 00000/0000                                     | 2-20030/1155     | 08/13/76       | 40              | 7928                               | 53.0N        | 04757E       | 45.5              | 139.2               | GGGG                 | 184                     | 23                     |
| 2569-07000        | 00000/0000                                     | 2-20030/1156     | 08/13/76       | 30              | 7928                               | 51.4N        | 04715E       | 46.3              | 137.5               | GGGG                 | 184                     | 24                     |
| 2569-07014        | 00000/0000                                     | 2-20030/1157     | 08/13/76       | 30              | 7928                               | 46.0N        | 04444E       | 49.2              | 130.3               | GGGG                 | 184                     | 28                     |
| 2569-07200        | 00000/0000                                     | 2-20030/1158     | 08/13/76       | 0               | 7928                               | 17.9S        | 02758E       | 36.7              | 55.8                | GGGG                 | 184                     | 72                     |
| 2569-07202        | 00000/0000                                     | 2-20030/1159     | 08/13/76       | 0               | 7928                               | 18.6S        | 02737E       | 35.7              | 55.1                | GGFG                 | 184                     | 73                     |
| 2569-07205        | 00000/0000                                     | 2-20030/1160     | 08/13/76       | 10              | 7928                               | 20.1S        | 02715E       | 34.7              | 54.4                | FGGG                 | 184                     | 74                     |
| 2569-08411        | 00000/0000                                     | 2-20030/1161     | 08/13/76       | 60              | 7929                               | 58.4N        | 02525E       | 42.0              | 146.1               | GGFG                 | 202                     | 19                     |
| 2569-08413        | 00000/0000                                     | 2-20030/1162     | 08/13/76       | 70              | 7929                               | 57.1N        | 02431E       | 42.9              | 144.4               | GGFG                 | 202                     | 20                     |
| 2569-08420        | 00000/0000                                     | 2-20030/1232     | 08/13/76       | 80              | 7929                               | 55.5N        | 02340E       | 43.8              | 142.7               | GGGG                 | 202                     | 21                     |
| 2569-08422        | 00000/0000                                     | 2-20030/1233     | 08/13/76       | 80              | 7929                               | 54.3N        | 02252E       | 44.7              | 140.9               | GGGG                 | 202                     | 22                     |
| 2569-17102        | 2-20032/1888                                   | 00000/0000       | 08/13/76       | 90              | 7934                               | 79.2N        | 05913W       | 24.5              | 198.7               | FFF                  | 41                      | 2                      |
| 2569-17105        | 2-20032/1889                                   | 00000/0000       | 08/13/76       | 90              | 7934                               | 78.9N        | 06535W       | 25.6              | 192.1               | FFG                  | 41                      | 3                      |
| 2569-17111        | 2-20032/1890                                   | 00000/0000       | 08/13/76       | 80              | 7934                               | 77.2N        | 07103W       | 26.7              | 186.4               | GGG                  | 41                      | 4                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW RAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | RAII NR./<br>IN RBII<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2569-17141        | 00000/0000                   | 2-20030/1282                | 08/13/76         | 100            | 7934            | 6932N                        | 09254W        | 34.1         | 162.0        | G                                  |                     |                      | 41                      | 11                     |
| 2569-17143        | 00000/0000                   | 2-20030/1283                | 08/13/76         | 100            | 7934            | 6813N                        | 09444W        | 35.1         | 159.6        | GGGG                               |                     |                      | 41                      | 12                     |
| 2569-17150        | 00000/0000                   | 2-20030/1284                | 08/13/76         | 90             | 7934            | 6653N                        | 09622W        | 36.1         | 157.5        | GGGG                               |                     |                      | 41                      | 13                     |
| 2569-17152        | 00000/0000                   | 2-20030/1285                | 08/13/76         | 60             | 7934            | 6533N                        | 09752W        | 37.1         | 155.4        | FFFF                               |                     |                      | 41                      | 14                     |
| 2569-17155        | 00000/0000                   | 2-20030/1286                | 08/13/76         | 40             | 7934            | 6412N                        | 09913W        | 38.1         | 153.4        | GGGG                               |                     |                      | 41                      | 15                     |
| 2569-17161        | 00000/0000                   | 2-20030/1287                | 08/13/76         | 10             | 7934            | 6250N                        | 10027W        | 39.1         | 151.6        | FFGG                               |                     |                      | 41                      | 16                     |
| 2569-17164        | 00000/0000                   | 2-20030/1288                | 08/13/76         | 10             | 7934            | 6128N                        | 10135W        | 40.1         | 149.7        | FFFF                               |                     |                      | 41                      | 17                     |
| 2569-17170        | 00000/0000                   | 2-20030/1289                | 08/13/76         | 10             | 7934            | 6006N                        | 10237W        | 41.0         | 148.0        | GGFG                               |                     |                      | 41                      | 18                     |
| 2569-17173        | 00000/0000                   | 2-20030/1170                | 08/13/76         | 20             | 7934            | 5843N                        | 10335W        | 41.9         | 146.2        | GGG                                |                     |                      | 41                      | 19                     |
| 2569-17175        | 00000/0000                   | 2-20030/1171                | 08/13/76         | 20             | 7934            | 5720N                        | 10430W        | 42.8         | 144.5        | GGG                                |                     |                      | 41                      | 20                     |
| 2569-17182        | 00000/0000                   | 2-20030/1172                | 08/13/76         | 20             | 7934            | 5557N                        | 10520W        | 43.7         | 142.8        | GGG                                |                     |                      | 41                      | 21                     |
| 2569-17184        | 00000/0000                   | 2-20030/1173                | 08/13/76         | 60             | 7934            | 5433N                        | 10607W        | 44.5         | 141.1        | GGG                                |                     |                      | 41                      | 22                     |
| 2569-17191        | 00000/0000                   | 2-20030/1174                | 08/13/76         | 90             | 7934            | 5308N                        | 10652W        | 45.4         | 139.3        | GGG                                |                     |                      | 41                      | 23                     |
| 2569-17193        | 00000/0000                   | 2-20030/1175                | 08/13/76         | 50             | 7934            | 5144N                        | 10735W        | 46.2         | 137.6        | GGG                                |                     |                      | 41                      | 24                     |
| 2569-17200        | 00000/0000                   | 2-20030/1176                | 08/13/76         | 10             | 7934            | 5019N                        | 10816W        | 47.0         | 135.9        | GGG                                |                     |                      | 41                      | 25                     |
| 2569-17255        | 00000/0000                   | 2-20030/1177                | 08/13/76         | 20             | 7934            | 3072N                        | 11523W        | 54.1         | 108.4        | GGGG                               |                     |                      | 41                      | 39                     |
| 2569-18525        | 2-20032/1891                 | 00000/0000                  | 08/13/76         | 80             | 7935            | 8043N                        | 06914W        | 22.2         | 214.9        | GFG                                |                     |                      | 46                      | 247                    |
| 2569-18531        | 2-20032/1892                 | 00000/0000                  | 08/13/76         | 60             | 7935            | 8012N                        | 07732W        | 23.3         | 206.5        | GGG                                |                     |                      | 59                      | 1                      |
| 2569-20395        | 00000/0000                   | 2-20030/1290                | 08/13/76         | 0              | 7936            | 7204N                        | 14012W        | 32.0         | 167.2        | FFFF                               |                     |                      | 77                      | 9                      |
| 2569-22235        | 00000/0000                   | 2-20030/1353                | 08/13/76         | 70             | 7937            | 6930N                        | 17027W        | 34.1         | 162.0        | GGGG                               |                     |                      | 95                      | 11                     |
| 2570-01562        | 00000/0000                   | 2-20030/1234                | 08/14/76         | 20             | 7939            | 5016N                        | 12235E        | 46.9         | 135.9        | GGGG                               |                     |                      | 131                     | 25                     |
| 2570-01564        | 00000/0000                   | 2-20030/1235                | 08/14/76         | 20             | 7939            | 4852N                        | 12156E        | 47.6         | 134.1        | GGGG                               |                     |                      | 131                     | 26                     |
| 2570-01571        | 00000/0000                   | 2-20030/1236                | 08/14/76         | 40             | 7939            | 4727N                        | 12120E        | 48.4         | 132.4        | GGGG                               |                     |                      | 131                     | 27                     |
| 2570-01573        | 00000/0000                   | 2-20030/1237                | 08/14/76         | 50             | 7939            | 4602N                        | 12044E        | 49.0         | 130.6        | GGGG                               |                     |                      | 131                     | 28                     |
| 2570-01580        | 00000/0000                   | 2-20030/1238                | 08/14/76         | 60             | 7939            | 4437N                        | 12011E        | 49.7         | 128.7        | GGGG                               |                     |                      | 131                     | 29                     |
| 2570-01582        | 00000/0000                   | 2-20030/1239                | 08/14/76         | 80             | 7939            | 4312N                        | 11940E        | 50.3         | 126.8        | GGGG                               |                     |                      | 131                     | 30                     |
| 2570-01585        | 00000/0000                   | 2-20030/1240                | 08/14/76         | 80             | 7939            | 4147N                        | 11909E        | 50.9         | 124.9        | GGGG                               |                     |                      | 131                     | 31                     |
| 2570-01591        | 00000/0000                   | 2-20030/1241                | 08/14/76         | 60             | 7939            | 4021N                        | 11839E        | 51.5         | 123.0        | GFGF                               |                     |                      | 131                     | 32                     |
| 2570-01594        | 00000/0000                   | 2-20030/1242                | 08/14/76         | 30             | 7939            | 3855N                        | 11810E        | 52.0         | 121.0        | GGGG                               |                     |                      | 131                     | 33                     |
| 2570-02000        | 00000/0000                   | 2-20030/1243                | 08/14/76         | 30             | 7939            | 3730N                        | 11742E        | 52.4         | 119.0        | GGGG                               |                     |                      | 131                     | 34                     |
| 2570-02003        | 00000/0000                   | 2-20030/1244                | 08/14/76         | 70             | 7939            | 3604N                        | 11715E        | 52.9         | 117.0        | GGGG                               |                     |                      | 131                     | 35                     |
| 2570-02005        | 00000/0000                   | 2-20030/1245                | 08/14/76         | 50             | 7939            | 3438N                        | 11648E        | 53.2         | 114.9        | GGGF                               |                     |                      | 131                     | 36                     |
| 2570-03373        | 00000/0000                   | 2-20030/1291                | 08/14/76         | 90             | 7940            | 5717N                        | 10034E        | 42.7         | 144.5        | FFGG                               |                     |                      | 149                     | 20                     |
| 2570-03375        | 00000/0000                   | 2-20030/1292                | 08/14/76         | 90             | 7940            | 5554N                        | 09943E        | 43.6         | 142.8        | FFGG                               |                     |                      | 149                     | 21                     |
| 2570-05202        | 00000/0000                   | 2-20030/1293                | 08/14/76         | 30             | 7941            | 5844N                        | 07540E        | 41.8         | 146.3        | GFGG                               |                     |                      | 167                     | 19                     |
| 2570-05204        | 00000/0000                   | 2-20030/1294                | 08/14/76         | 10             | 7941            | 5721N                        | 07446E        | 42.7         | 144.6        | GFG                                |                     |                      | 167                     | 20                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>REEL | REEL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LRNG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------|------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2570-05213        | 00000/0000                       | 2-20030/1260     | 08/14/76         | 40             | 7941            | 5433N                        | 07306E        | 44.4         | 141.2        | GGGG                  |                     |                      | 167                     | 22                     |
| 2570-05220        | 00000/0000                       | 2-20030/1261     | 08/14/76         | 30             | 7941            | 5309N                        | 07220E        | 45.2         | 139.5        | GGGG                  |                     |                      | 167                     | 23                     |
| 2570-05222        | 00000/0000                       | 2-20030/1262     | 08/14/76         | 40             | 7941            | 5144N                        | 07138E        | 46.0         | 137.7        | GGGG                  |                     |                      | 167                     | 24                     |
| 2570-05225        | 00000/0000                       | 2-20030/1263     | 08/14/76         | 30             | 7941            | 5019N                        | 07057E        | 46.8         | 136.0        | GGGG                  |                     |                      | 167                     | 25                     |
| 2570-05231        | 00000/0000                       | 2-20030/1264     | 08/14/76         | 10             | 7941            | 4855N                        | 07019E        | 47.6         | 134.2        | GGGG                  |                     |                      | 167                     | 26                     |
| 2570-05245        | 00000/0000                       | 2-20030/1265     | 08/14/76         | 0              | 7941            | 4315N                        | 06800E        | 50.3         | 126.9        | GGGG                  |                     |                      | 167                     | 30                     |
| 2570-07024        | 00000/0000                       | 2-20030/1266     | 08/14/76         | 10             | 7942            | 6128N                        | 05149E        | 39.9         | 149.8        | GGGF                  |                     |                      | 185                     | 17                     |
| 2570-07031        | 00000/0000                       | 2-20030/1246     | 08/14/76         | 30             | 7942            | 6006N                        | 05047E        | 40.8         | 148.1        | FGG                   |                     |                      | 185                     | 18                     |
| 2570-07033        | 00000/0000                       | 2-20030/1247     | 08/14/76         | 90             | 7942            | 5842N                        | 04949E        | 41.7         | 146.3        | GGGG                  |                     |                      | 185                     | 19                     |
| 2570-07040        | 00000/0000                       | 2-20030/1248     | 08/14/76         | 80             | 7942            | 5719N                        | 04855E        | 42.6         | 144.6        | GGGG                  |                     |                      | 185                     | 20                     |
| 2570-07042        | 00000/0000                       | 2-20030/1249     | 08/14/76         | 80             | 7942            | 5556N                        | 04804E        | 43.5         | 142.9        | GGGG                  |                     |                      | 185                     | 21                     |
| 2570-07045        | 00000/0000                       | 2-20030/1250     | 08/14/76         | 40             | 7942            | 5432N                        | 04716E        | 44.4         | 141.2        | GGGG                  |                     |                      | 185                     | 22                     |
| 2570-07051        | 00000/0000                       | 2-20030/1251     | 08/14/76         | 50             | 7942            | 5308N                        | 04631E        | 45.2         | 139.5        | GGGG                  |                     |                      | 185                     | 23                     |
| 2570-07063        | 00000/0000                       | 2-20030/1252     | 08/14/76         | 30             | 7942            | 4854N                        | 04429E        | 47.6         | 134.3        | GGGG                  |                     |                      | 185                     | 26                     |
| 2570-07065        | 00000/0000                       | 2-20030/1253     | 08/14/76         | 20             | 7942            | 4729N                        | 04353E        | 48.3         | 132.5        | GGGG                  |                     |                      | 185                     | 27                     |
| 2570-07072        | 00000/0000                       | 2-20030/1254     | 08/14/76         | 30             | 7942            | 4604N                        | 04318E        | 49.0         | 130.7        | GGGG                  |                     |                      | 185                     | 28                     |
| 2570-07074        | 00000/0000                       | 2-20030/1255     | 08/14/76         | 50             | 7942            | 4439N                        | 04244E        | 49.6         | 128.8        | GGGG                  |                     |                      | 185                     | 29                     |
| 2570-07081        | 00000/0000                       | 2-20030/1256     | 08/14/76         | 90             | 7942            | 4314N                        | 04212E        | 50.3         | 127.0        | GGGG                  |                     |                      | 185                     | 30                     |
| 2570-07083        | 00000/0000                       | 2-20030/1257     | 08/14/76         | 80             | 7942            | 4188N                        | 04140E        | 50.9         | 125.1        | GGGF                  |                     |                      | 185                     | 31                     |
| 2570-07254        | 00000/0000                       | 2-20030/1258     | 08/14/76         | 0              | 7942            | 1717S                        | 02632E        | 37.0         | 56.1         | GGGG                  |                     |                      | 185                     | 72                     |
| 2570-07260        | 00000/0000                       | 2-20030/1259     | 08/14/76         | 0              | 7942            | 1844S                        | 02611E        | 36.0         | 55.4         | GGGG                  |                     |                      | 185                     | 73                     |
| 2570-08462        | 00000/0000                       | 2-20030/1267     | 08/14/76         | 30             | 7943            | 6006N                        | 02502E        | 40.8         | 148.1        | GGGG                  |                     |                      | 203                     | 18                     |
| 2570-08465        | 00000/0000                       | 2-20030/1268     | 08/14/76         | 30             | 7943            | 5843N                        | 02404E        | 41.7         | 146.3        | GGGG                  |                     |                      | 203                     | 19                     |
| 2570-08471        | 00000/0000                       | 2-20030/1269     | 08/14/76         | 30             | 7943            | 5720N                        | 02310E        | 42.6         | 144.6        | GGGF                  |                     |                      | 203                     | 20                     |
| 2570-12382        | 00000/0000                       | 2-20030/1270     | 08/14/76         | 20             | 7945            | 2723S                        | 05329W        | 29.7         | 52.1         | FFFF                  |                     |                      | 239                     | 79                     |
| 2570-12385        | 00000/0000                       | 2-20030/1271     | 08/14/76         | 60             | 7945            | 2849S                        | 05353W        | 28.6         | 51.7         | GGGG                  |                     |                      | 239                     | 80                     |
| 2570-12391        | 00000/0000                       | 2-20030/1314     | 08/14/76         | 80             | 7945            | 3015S                        | 05417W        | 27.5         | 51.4         | GGGG                  |                     |                      | 239                     | 81                     |
| 2570-13573        | 00000/0000                       | 2-20030/1361     | 08/14/76         | 90             | 7946            | 5555N                        | 05509W        | 43.5         | 142.9        | GGGG                  |                     |                      | 6                       | 21                     |
| 2570-13575        | 00000/0000                       | 2-20030/1352     | 08/14/76         | 40             | 7946            | 5431N                        | 05558W        | 44.3         | 141.2        | GGGG                  |                     |                      | 6                       | 22                     |
| 2570-17154        | 2-20032/1893                     | 00000/0000       | 08/14/76         | 30             | 7948            | 8012N                        | 05316W        | 23.1         | 206.4        | FFG                   |                     |                      | 42                      | 1                      |
| 2570-17160        | 2-20032/1894                     | 00000/0000       | 08/14/76         | 20             | 7948            | 7931N                        | 05036W        | 24.2         | 198.9        | FFF                   |                     |                      | 42                      | 2                      |
| 2570-17163        | 2-20032/1895                     | 00000/0000       | 08/14/76         | 20             | 7948            | 7841N                        | 04659W        | 25.3         | 192.3        | GGG                   |                     |                      | 42                      | 3                      |
| 2570-17165        | 2-20032/1896                     | 00000/0000       | 08/14/76         | 20             | 7948            | 7744N                        | 07227W        | 26.4         | 186.6        | GGG                   |                     |                      | 42                      | 4                      |
| 2570-17242        | 00000/0000                       | 2-20030/1342     | 08/14/76         | 10             | 7948            | 5431N                        | 10738W        | 44.3         | 141.2        | GGGG                  |                     |                      | 42                      | 22                     |
| 2570-17245        | 00000/0000                       | 2-20030/1343     | 08/14/76         | 10             | 7948            | 5306N                        | 10824W        | 45.1         | 139.5        | GGGG                  |                     |                      | 42                      | 23                     |
| 2570-17251        | 00000/0000                       | 2-20030/1344     | 08/14/76         | 10             | 7948            | 5142N                        | 10906W        | 45.9         | 137.8        | GGGG                  |                     |                      | 42                      | 24                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANK)=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2570-17254        | 00000/0000                   | 2-20030/1345                | 08/14/76         | 10             | 7948            | 5018N                        | 10946W        | 46.7         | 136.1        | GGGG              |             |                     |                      | 42                      | 25                     |
| 2570-18583        | 2-20032/1897                 | 00000/0000                  | 08/14/76         | 40             | 7949            | 8043N                        | 07018W        | 21.9         | 215.1        | GGG               |             |                     |                      | 47                      | 247                    |
| 2570-18585        | 2-20032/1898                 | 00000/0000                  | 08/14/76         | 30             | 7949            | 8012N                        | 07038W        | 23.0         | 206.7        | GGG               |             |                     |                      | 59                      | 1                      |
| 2570-22580        | 00000/0000                   | 2-20030/1315                | 08/14/76         | 0              | 7951            | 2722S                        | 15137E        | 29.8         | 52.2         | GGGG              |             |                     |                      | 96                      | 79                     |
| 2570-22582        | 00000/0000                   | 2-20030/1316                | 08/14/76         | 0              | 7951            | 2849S                        | 15114E        | 28.7         | 51.8         | GGGG              |             |                     |                      | 96                      | 80                     |
| 2570-22585        | 00000/0000                   | 2-20030/1317                | 08/14/76         | 10             | 7951            | 3015S                        | 15049E        | 27.6         | 51.5         | GGGG              |             |                     |                      | 96                      | 81                     |
| 2570-22591        | 00000/0000                   | 2-20030/1318                | 08/14/76         | 10             | 7951            | 3141S                        | 15024E        | 26.5         | 51.1         | GGGG              |             |                     |                      | 96                      | 82                     |
| 2571-00223        | 00000/0000                   | 2-20030/1319                | 08/15/76         | 100            | 7952            | 3731N                        | 14203E        | 52.2         | 119.4        | GGGG              |             |                     |                      | 114                     | 34                     |
| 2571-02020        | 00000/0000                   | 2-20030/1320                | 08/15/76         | 60             | 7953            | 5018N                        | 12108E        | 46.6         | 136.2        | GGGG              |             |                     |                      | 132                     | 25                     |
| 2571-02022        | 00000/0000                   | 2-20030/1321                | 08/15/76         | 90             | 7953            | 4854N                        | 12030E        | 47.4         | 134.5        | GGGG              |             |                     |                      | 132                     | 26                     |
| 2571-02031        | 00000/0000                   | 2-20030/1322                | 08/15/76         | 90             | 7953            | 4604N                        | 11918E        | 48.8         | 130.9        | GGGG              |             |                     |                      | 132                     | 28                     |
| 2571-02034        | 00000/0000                   | 2-20030/1323                | 08/15/76         | 90             | 7953            | 4439N                        | 11845E        | 49.5         | 129.1        | GGGG              |             |                     |                      | 132                     | 29                     |
| 2571-02040        | 00000/0000                   | 2-20030/1324                | 08/15/76         | 90             | 7953            | 4314N                        | 11813E        | 50.1         | 127.2        | GGGG              |             |                     |                      | 132                     | 30                     |
| 2571-02043        | 00000/0000                   | 2-20030/1325                | 08/15/76         | 80             | 7953            | 4148N                        | 11742E        | 50.7         | 125.3        | GGFG              |             |                     |                      | 132                     | 31                     |
| 2571-02045        | 00000/0000                   | 2-20030/1326                | 08/15/76         | 30             | 7953            | 4023N                        | 11712E        | 51.2         | 123.4        | GGFG              |             |                     |                      | 132                     | 32                     |
| 2571-02052        | 00000/0000                   | 2-20030/1327                | 08/15/76         | 10             | 7953            | 3877N                        | 11643E        | 51.8         | 121.4        | GGGG              |             |                     |                      | 132                     | 33                     |
| 2571-02054        | 00000/0000                   | 2-20030/1328                | 08/15/76         | 10             | 7953            | 3732N                        | 11615E        | 52.2         | 119.4        | GGGG              |             |                     |                      | 132                     | 34                     |
| 2571-02061        | 00000/0000                   | 2-20030/1329                | 08/15/76         | 10             | 7953            | 3606N                        | 11548E        | 52.7         | 117.4        | GGGG              |             |                     |                      | 132                     | 35                     |
| 2571-02063        | 00000/0000                   | 2-20030/1330                | 08/15/76         | 10             | 7953            | 3440N                        | 11521E        | 53.0         | 115.4        | GGGG              |             |                     |                      | 132                     | 36                     |
| 2571-03431        | 00000/0000                   | 2-20030/1295                | 08/15/76         | 60             | 7954            | 5718N                        | 09907E        | 42.4         | 144.7        | FFFF              |             |                     |                      | 150                     | 20                     |
| 2571-03433        | 00000/0000                   | 2-20030/1296                | 08/15/76         | 50             | 7954            | 5555N                        | 09816E        | 43.3         | 143.0        | FFFF              |             |                     |                      | 150                     | 21                     |
| 2571-03440        | 00000/0000                   | 2-20030/1297                | 08/15/76         | 70             | 7954            | 5431N                        | 09728E        | 44.2         | 141.3        | FFFF              |             |                     |                      | 150                     | 22                     |
| 2571-03442        | 00000/0000                   | 2-20030/1298                | 08/15/76         | 60             | 7954            | 5307N                        | 09643E        | 45.0         | 139.6        | FFFF              |             |                     |                      | 150                     | 23                     |
| 2571-03445        | 00000/0000                   | 2-20030/1299                | 08/15/76         | 40             | 7954            | 5143N                        | 09601E        | 45.8         | 137.9        | FFFF              |             |                     |                      | 150                     | 24                     |
| 2571-03572        | 00000/0000                   | 2-20030/1300                | 08/15/76         | 30             | 7954            | 0842N                        | 08247E        | 51.5         | 78.4         | FFFF              |             |                     |                      | 150                     | 54                     |
| 2571-05260        | 00000/0000                   | 2-20030/1301                | 08/15/76         | 40             | 7955            | 5841N                        | 07410E        | 41.5         | 146.5        | FFFF              |             |                     |                      | 168                     | 19                     |
| 2571-05262        | 00000/0000                   | 2-20030/1302                | 08/15/76         | 40             | 7955            | 5719N                        | 07316E        | 42.4         | 144.7        | FFFF              |             |                     |                      | 168                     | 20                     |
| 2571-05265        | 00000/0000                   | 2-20030/1303                | 08/15/76         | 30             | 7955            | 5554N                        | 07226E        | 43.3         | 143.0        | FFFF              |             |                     |                      | 168                     | 21                     |
| 2571-05271        | 00000/0000                   | 2-20030/1304                | 08/15/76         | 30             | 7955            | 5431N                        | 07138E        | 44.1         | 141.4        | FFFF              |             |                     |                      | 168                     | 22                     |
| 2571-05274        | 00000/0000                   | 2-20030/1305                | 08/15/76         | 50             | 7955            | 5307N                        | 07052E        | 45.0         | 139.7        | FFFF              |             |                     |                      | 168                     | 23                     |
| 2571-05280        | 00000/0000                   | 2-20030/1306                | 08/15/76         | 30             | 7955            | 5143N                        | 07009E        | 45.8         | 138.0        | FFFF              |             |                     |                      | 168                     | 24                     |
| 2571-05283        | 00000/0000                   | 2-20030/1307                | 08/15/76         | 30             | 7955            | 5018N                        | 06929E        | 46.6         | 136.2        | FFFF              |             |                     |                      | 168                     | 25                     |
| 2571-05285        | 00000/0000                   | 2-20030/1581                | 08/15/76         | 10             | 7955            | 4853N                        | 06850E        | 47.3         | 134.5        | GGGG              |             |                     |                      | 168                     | 26                     |
| 2571-05292        | 00000/0000                   | 2-20030/1582                | 08/15/76         | 0              | 7955            | 4729N                        | 06814E        | 48.1         | 132.7        | GGGG              |             |                     |                      | 168                     | 27                     |
| 2571-05294        | 00000/0000                   | 2-20030/1583                | 08/15/76         | 0              | 7955            | 4603N                        | 06739E        | 48.8         | 130.9        | GGGG              |             |                     |                      | 168                     | 28                     |
| 2571-05301        | 00000/0000                   | 2-20030/1584                | 08/15/76         | 0              | 7955            | 4439N                        | 06705E        | 49.4         | 129.1        | GGGG              |             |                     |                      | 168                     | 29                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SBBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>123 | MSS<br>45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|---------------|--------------|--------------|-------------------|------------|--------------|---------------------|----------------------|-------------------------|------------------------|
| 2571-05353        | 00000/0000                                     | 2-20030/1331     | 08/15/76       | 90              | 7955                               | 2601N         | 06115E       | 54.3         | 102.6             |            |              |                     |                      |                         |                        |
| 2571-07085        | 00000/0000                                     | 2-20030/1332     | 08/15/76       | 40              | 7956                               | 6005N         | 04922E       | 40.6         | 148.2             | GGGG       |              |                     |                      | 168                     | 42                     |
| 2571-07092        | 00000/0000                                     | 2-20030/1333     | 08/15/76       | 90              | 7956                               | 5842N         | 04824E       | 41.5         | 146.5             | GGGG       |              |                     |                      | 186                     | 18                     |
| 2571-07094        | 00000/0000                                     | 2-20030/1334     | 08/15/76       | 90              | 7956                               | 5718N         | 04729E       | 42.4         | 144.8             | GGGG       |              |                     |                      | 186                     | 19                     |
| 2571-07101        | 00000/0000                                     | 2-20030/1335     | 08/15/76       | 60              | 7956                               | 5554N         | 04638E       | 43.3         | 143.1             | GGGG       |              |                     |                      | 186                     | 20                     |
| 2571-07103        | 00000/0000                                     | 2-20030/1336     | 08/15/76       | 10              | 7956                               | 5430N         | 04551E       | 44.1         | 141.4             | GGGG       |              |                     |                      | 186                     | 21                     |
| 2571-07110        | 00000/0000                                     | 2-20030/1337     | 08/15/76       | 70              | 7956                               | 5306N         | 04506E       | 45.0         | 139.7             | GGGG       |              |                     |                      | 186                     | 22                     |
| 2571-07130        | 00000/0000                                     | 2-20030/1338     | 08/15/76       | 90              | 7956                               | 4603N         | 04152E       | 48.7         | 130.9             | GGGG       |              |                     |                      | 186                     | 23                     |
| 2571-07151        | 00000/0000                                     | 2-20030/1313     | 08/15/76       | 10              | 7956                               | 3856N         | 03916E       | 51.7         | 121.5             | GGGG       |              |                     |                      | 186                     | 28                     |
| 2571-07153        | 00000/0000                                     | 2-20030/1339     | 08/15/76       | 0               | 7956                               | 3730N         | 03848E       | 52.2         | 119.5             | GGGG       |              |                     |                      | 186                     | 33                     |
| 2571-07160        | 00000/0000                                     | 2-20030/1340     | 08/15/76       | 0               | 7956                               | 3604N         | 03820E       | 52.6         | 117.5             | GGGG       |              |                     |                      | 186                     | 34                     |
| 2571-07233        | 00000/0000                                     | 2-20030/1341     | 08/15/76       | 90              | 7956                               | 1009N         | 03130E       | 52.0         | 80.2              | GGGG       |              |                     |                      | 186                     | 35                     |
| 2571-08530        | 00000/0000                                     | 2-20030/1585     | 08/15/76       | 60              | 7957                               | 5717N         | 02139E       | 42.4         | 144.8             | GGGG       |              |                     |                      | 186                     | 53                     |
| 2571-08532        | 00000/0000                                     | 2-20030/1586     | 08/15/76       | 50              | 7957                               | 5544N         | 02048E       | 43.2         | 143.1             | GGGG       |              |                     |                      | 204                     | 20                     |
| 2571-08535        | 00000/0000                                     | 2-20030/1587     | 08/15/76       | 60              | 7957                               | 5430N         | 02000E       | 44.1         | 141.4             | GGGG       |              |                     |                      | 204                     | 21                     |
| 2571-12445        | 00000/0000                                     | 2-20030/1588     | 08/15/76       | 0               | 7959                               | 3014S         | 05543W       | 27.8         | 51.6              | GGGG       |              |                     |                      | 204                     | 22                     |
| 2571-12463        | 00000/0000                                     | 2-20030/1589     | 08/15/76       | 10              | 7959                               | 3558S         | 05725W       | 23.3         | 50.5              | GGGG       |              |                     |                      | 240                     | 81                     |
| 2571-12470        | 00000/0000                                     | 2-20030/1590     | 08/15/76       | 10              | 7959                               | 3723S         | 05752W       | 22.2         | 50.3              | GGGG       |              |                     |                      | 240                     | 85                     |
| 2571-14024        | 00000/0000                                     | 2-20030/1354     | 08/15/76       | 60              | 7960                               | 5721N         | 05544W       | 42.3         | 144.8             | GGGG       |              |                     |                      | 7                       | 86                     |
| 2571-14031        | 00000/0000                                     | 2-20030/1355     | 08/15/76       | 20              | 7960                               | 5557N         | 05635W       | 43.2         | 143.1             | GGGG       |              |                     |                      | 7                       | 20                     |
| 2571-14033        | 00000/0000                                     | 2-20030/1356     | 08/15/76       | 0               | 7960                               | 5433N         | 05723W       | 44.0         | 141.5             | GGGG       |              |                     |                      | 7                       | 21                     |
| 2571-15471        | 00000/0000                                     | 2-20030/1357     | 08/15/76       | 0               | 7961                               | 5309N         | 08358W       | 44.8         | 139.8             | GGGG       |              |                     |                      | 7                       | 22                     |
| 2571-15474        | 00000/0000                                     | 2-20030/1358     | 08/15/76       | 10              | 7961                               | 5144N         | 08441W       | 45.7         | 138.1             | GGGG       |              |                     |                      | 25                      | 23                     |
| 2571-15480        | 00000/0000                                     | 2-20030/1359     | 08/15/76       | 20              | 7961                               | 5020N         | 08521W       | 46.4         | 136.4             | GGGG       |              |                     |                      | 25                      | 24                     |
| 2571-17203        | 2-20032/1899                                   | 00000/0000       | 08/15/76       | 80              | 7962                               | 8102N         | 03702W       | 20.5         | 224.2             | GGG        |              |                     |                      | 25                      | 25                     |
| 2571-17210        | 2-20032/1900                                   | 00000/0000       | 08/15/76       | 20              | 7962                               | 8043N         | 04604W       | 21.6         | 215.1             | GGG        |              |                     |                      | 30                      | 246                    |
| 2571-17212        | 2-20032/1901                                   | 00000/0000       | 08/15/76       | 40              | 7962                               | 8013N         | 05422W       | 22.7         | 206.6             | GGG        |              |                     |                      | 30                      | 247                    |
| 2571-17215        | 2-20032/1902                                   | 00000/0000       | 08/15/76       | 40              | 7962                               | 7932N         | 06146W       | 23.8         | 199.1             | GGG        |              |                     |                      | 42                      | 1                      |
| 2571-17221        | 2-20032/1903                                   | 00000/0000       | 08/15/76       | 70              | 7962                               | 7842N         | 06810W       | 24.9         | 192.5             | GGG        |              |                     |                      | 43                      | 2                      |
| 2571-17224        | 2-20032/1904                                   | 00000/0000       | 08/15/76       | 20              | 7962                               | 7745N         | 07338W       | 26.0         | 186.7             | GGG        |              |                     |                      | 43                      | 3                      |
| 2571-17285        | 00000/0000                                     | 2-20030/1404     | 08/15/76       | 20              | 7962                               | 5844N         | 10629W       | 41.3         | 146.6             | GGGG       |              |                     |                      | 43                      | 4                      |
| 2571-17294        | 00000/0000                                     | 2-20030/1346     | 08/15/76       | 80              | 7962                               | 5556N         | 10814W       | 43.1         | 143.2             | GGGG       |              |                     |                      | 43                      | 19                     |
| 2571-17301        | 00000/0000                                     | 2-20030/1347     | 08/15/76       | 10              | 7962                               | 5432N         | 10902W       | 44.0         | 141.5             | GGGG       |              |                     |                      | 43                      | 21                     |
| 2571-17303        | 00000/0000                                     | 2-20030/1348     | 08/15/76       | 10              | 7962                               | 5308N         | 10947W       | 44.8         | 139.8             | GGGG       |              |                     |                      | 43                      | 22                     |
| 2571-17310        | 00000/0000                                     | 2-20030/1349     | 08/15/76       | 10              | 7962                               | 5145N         | 11031W       | 45.6         | 138.1             | GGGG       |              |                     |                      | 43                      | 23                     |
| 2571-17312        | 00000/0000                                     | 2-20030/1350     | 08/15/76       | 30              | 7962                               | 5020N         | 11112W       | 46.4         | 136.4             | GGGG       |              |                     |                      | 43                      | 24                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = X CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LRNG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2571-19041        | 2-20033/0001                 | 00000/0000                  | 08/15/76         | 60             | 7963            | 8042N                        | 07225W        | 21.6         | 214.7        | GG                    |                     |                      | 49                      | 247                    |
| 2571-19044        | 2-20033/0002                 | 00000/0000                  | 08/15/76         | 80             | 7963            | 8010N                        | 08037W        | 22.7         | 206.3        | GGG                   |                     |                      | 61                      | 1                      |
| 2571-19103        | 00000/0000                   | 2-20030/1405                | 08/15/76         | 100            | 7963            | 6413N                        | 12755W        | 37.5         | 153.7        | GGGG                  |                     |                      | 61                      | 15                     |
| 2571-19105        | 00000/0000                   | 2-20030/1406                | 08/15/76         | 100            | 7963            | 6251N                        | 12909W        | 38.5         | 151.9        | GGGG                  |                     |                      | 61                      | 16                     |
| 2571-19112        | 00000/0000                   | 2-20030/1407                | 08/15/76         | 100            | 7963            | 6129N                        | 13017W        | 39.4         | 150.1        | GGGG                  |                     |                      | 61                      | 17                     |
| 2572-03485        | 00000/0000                   | 2-20030/1413                | 08/16/76         | 90             | 7968            | 5721N                        | 09742E        | 42.1         | 145.0        | GGGG                  |                     |                      | 151                     | 20                     |
| 2572-03492        | 00000/0000                   | 2-20030/1414                | 08/16/76         | 80             | 7968            | 5557N                        | 09451E        | 43.0         | 143.3        | GGGG                  |                     |                      | 151                     | 21                     |
| 2572-03494        | 00000/0000                   | 2-20030/1415                | 08/16/76         | 30             | 7968            | 5433N                        | 09604E        | 43.9         | 141.6        | GGGG                  |                     |                      | 151                     | 22                     |
| 2572-03501        | 00000/0000                   | 2-20030/1416                | 08/16/76         | 10             | 7968            | 5308N                        | 09519E        | 44.7         | 139.9        | FGGG                  |                     |                      | 151                     | 23                     |
| 2572-03503        | 00000/0000                   | 2-20030/1417                | 08/16/76         | 10             | 7968            | 5144N                        | 09436E        | 45.5         | 138.2        | GGGG                  |                     |                      | 151                     | 24                     |
| 2572-04024        | 00000/0000                   | 2-20030/1591                | 08/16/76         | 60             | 7968            | 1010N                        | 08142E        | 52.1         | 80.7         | GGGG                  |                     |                      | 151                     | 53                     |
| 2572-04030        | 00000/0000                   | 2-20030/1592                | 08/16/76         | 20             | 7968            | 0844N                        | 08121E        | 51.6         | 78.9         | GGGG                  |                     |                      | 151                     | 54                     |
| 2572-04033        | 00000/0000                   | 2-20030/1593                | 08/16/76         | 30             | 7968            | 0716N                        | 08101E        | 51.1         | 77.2         | GGGG                  |                     |                      | 151                     | 55                     |
| 2572-05314        | 00000/0000                   | 2-20030/1594                | 08/16/76         | 50             | 7969            | 5844N                        | 07245E        | 41.2         | 146.7        | GGGG                  |                     |                      | 169                     | 19                     |
| 2572-05321        | 00000/0000                   | 2-20030/1595                | 08/16/76         | 20             | 7969            | 5720N                        | 07150E        | 42.1         | 145.0        | GGGG                  |                     |                      | 169                     | 20                     |
| 2572-05323        | 00000/0000                   | 2-20030/1596                | 08/16/76         | 30             | 7969            | 5556N                        | 07059E        | 43.0         | 143.3        | GGGG                  |                     |                      | 169                     | 21                     |
| 2572-05330        | 00000/0000                   | 2-20030/1597                | 08/16/76         | 40             | 7969            | 5432N                        | 07012E        | 43.8         | 141.6        | GGGG                  |                     |                      | 169                     | 22                     |
| 2572-05332        | 00000/0000                   | 2-20030/1598                | 08/16/76         | 30             | 7969            | 5308N                        | 06927E        | 44.7         | 139.9        | FGGG                  |                     |                      | 169                     | 23                     |
| 2572-05335        | 00000/0000                   | 2-20030/1599                | 08/16/76         | 20             | 7969            | 5144N                        | 06844E        | 45.5         | 138.2        | GGGG                  |                     |                      | 169                     | 24                     |
| 2572-05341        | 00000/0000                   | 2-20030/1600                | 08/16/76         | 20             | 7969            | 5020N                        | 06804E        | 46.3         | 136.5        | FGGG                  |                     |                      | 169                     | 25                     |
| 2572-05344        | 00000/0000                   | 2-20030/1601                | 08/16/76         | 10             | 7969            | 4855N                        | 06725E        | 47.1         | 134.8        | GGGG                  |                     |                      | 169                     | 26                     |
| 2572-05350        | 00000/0000                   | 2-20030/1602                | 08/16/76         | 10             | 7969            | 4731N                        | 06652E        | 47.8         | 133.1        | GGGG                  |                     |                      | 169                     | 27                     |
| 2572-05353        | 00000/0000                   | 2-20030/1603                | 08/16/76         | 0              | 7969            | 4606N                        | 06613E        | 48.5         | 131.3        | GGGG                  |                     |                      | 169                     | 28                     |
| 2572-05355        | 00000/0000                   | 2-20030/1604                | 08/16/76         | 0              | 7969            | 4441N                        | 06540E        | 49.2         | 129.0        | GGGG                  |                     |                      | 169                     | 29                     |
| 2572-05385        | 00000/0000                   | 2-20030/1605                | 08/16/76         | 10             | 7969            | 3440N                        | 06216E        | 52.8         | 115.9        | GGGG                  |                     |                      | 169                     | 36                     |
| 2572-05391        | 00000/0000                   | 2-20030/1606                | 08/16/76         | 10             | 7969            | 3315N                        | 06150E        | 53.2         | 113.8        | GGGG                  |                     |                      | 169                     | 37                     |
| 2572-05394        | 00000/0000                   | 2-20030/1607                | 08/16/76         | 10             | 7969            | 3149N                        | 06125E        | 53.5         | 111.7        | GGGG                  |                     |                      | 169                     | 38                     |
| 2572-05400        | 00000/0000                   | 2-20030/1608                | 08/16/76         | 0              | 7969            | 3023N                        | 06100E        | 53.8         | 109.6        | GGGG                  |                     |                      | 169                     | 39                     |
| 2572-05403        | 00000/0000                   | 2-20030/1609                | 08/16/76         | 10             | 7969            | 2856N                        | 06036E        | 54.0         | 107.5        | GGGG                  |                     |                      | 169                     | 40                     |
| 2572-05405        | 00000/0000                   | 2-20030/1610                | 08/16/76         | 10             | 7969            | 2730N                        | 06012E        | 54.1         | 105.4        | GGGG                  |                     |                      | 169                     | 41                     |
| 2572-05412        | 00000/0000                   | 2-20030/1611                | 08/16/76         | 10             | 7969            | 2603N                        | 05949E        | 54.2         | 103.2        | GGGG                  |                     |                      | 169                     | 42                     |
| 2572-07141        | 00000/0000                   | 2-20030/1418                | 08/16/76         | 20             | 7970            | 6129N                        | 04401E        | 39.3         | 150.1        | GGGG                  |                     |                      | 187                     | 17                     |
| 2572-07143        | 00000/0000                   | 2-20030/1419                | 08/16/76         | 20             | 7970            | 6007N                        | 04358E        | 40.2         | 148.4        | GGGG                  |                     |                      | 187                     | 18                     |
| 2572-07150        | 00000/0000                   | 2-20030/1420                | 08/16/76         | 40             | 7970            | 5844N                        | 04459E        | 41.2         | 146.7        | GGGG                  |                     |                      | 187                     | 19                     |
| 2572-07152        | 00000/0000                   | 2-20030/1421                | 08/16/76         | 70             | 7970            | 5720N                        | 04404E        | 42.1         | 145.0        | FFFF                  |                     |                      | 187                     | 20                     |
| 2572-07155        | 00000/0000                   | 2-20030/1422                | 08/16/76         | 40             | 7970            | 5556N                        | 04514E        | 43.0         | 143.3        | GGGG                  |                     |                      | 187                     | 21                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

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FOR NNN=US  
FROM 01/22/76 TO 01/32/77

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| OBSERVATION ID | WORLDWIDE POSITION<br>LAT LONG | RAIL NO./<br>IN RAIL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | GEQUAL<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SUNBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|----------------|--------------------------------|-----------------------------|------------------|----------------|------------------|-----------------------------------------|--------------|--------------|---------------------|---------------------|----------------------|--------------------------|------------------------|
| 2572-07161     | 00000/0000                     | 2-20030/1423                | 08/16/76         | 30             | 7970             | 5433N                                   | 04426E       | 43.8         | 141.6               | GGGG                |                      | 187                      | 22                     |
| 2572-07164     | 00000/0000                     | 2-20030/1424                | 08/16/76         | 20             | 7970             | 5308N                                   | 04340E       | 44.7         | 139.9               | GGGG                |                      | 187                      | 23                     |
| 2572-07170     | 00000/0000                     | 2-20030/1425                | 08/16/76         | 10             | 7970             | 5144N                                   | 04258E       | 45.5         | 138.3               | GGGG                |                      | 187                      | 24                     |
| 2572-07173     | 00000/0000                     | 2-20030/1426                | 08/16/76         | 10             | 7970             | 5020N                                   | 04217E       | 46.3         | 136.5               | GGGG                |                      | 187                      | 25                     |
| 2572-07175     | 00000/0000                     | 2-20030/1427                | 08/16/76         | 40             | 7970             | 4855N                                   | 04138E       | 47.0         | 134.8               | FFFF                |                      | 187                      | 26                     |
| 2572-07182     | 00000/0000                     | 2-20030/1428                | 08/16/76         | 90             | 7970             | 4730N                                   | 04102E       | 47.8         | 133.1               | FFFF                |                      | 187                      | 27                     |
| 2572-07184     | 00000/0000                     | 2-20030/1429                | 08/16/76         | 80             | 7970             | 4605N                                   | 04027E       | 48.5         | 131.3               | FFFF                |                      | 187                      | 28                     |
| 2572-12501     | 00000/0000                     | 2-20030/1360                | 08/16/76         | 10             | 7973             | 2849S                                   | 05646W       | 29.1         | 52.2                | F                   |                      | 241                      | 80                     |
| 2572-12504     | 00000/0000                     | 2-20030/1361                | 08/16/76         | 10             | 7973             | 3015S                                   | 05710W       | 28.0         | 51.8                | GGGG                |                      | 241                      | 81                     |
| 2572-12522     | 00000/0000                     | 2-20030/1362                | 08/16/76         | 70             | 7973             | 3557S                                   | 05851W       | 23.6         | 50.7                | GFGG                |                      | 241                      | 85                     |
| 2572-12524     | 00000/0000                     | 2-20030/1363                | 08/16/76         | 10             | 7973             | 3723S                                   | 05918W       | 22.4         | 50.5                | PPPP                |                      | 241                      | 86                     |
| 2572-14083     | 00000/0000                     | 2-20030/1408                | 08/16/76         | 80             | 7974             | 5719N                                   | 05713W       | 42.0         | 145.0               | FGGF                |                      | 8                        | 20                     |
| 2572-14085     | 00000/0000                     | 2-20030/1409                | 08/16/76         | 10             | 7974             | 5555N                                   | 05805W       | 42.9         | 143.3               | FGGG                |                      | 8                        | 21                     |
| 2572-14092     | 00000/0000                     | 2-20030/1410                | 08/16/76         | 10             | 7974             | 5432N                                   | 05852W       | 43.8         | 141.7               | FGGG                |                      | 8                        | 22                     |
| 2572-15532     | 00000/0000                     | 2-20030/1411                | 08/16/76         | 0              | 7975             | 5143N                                   | 06408W       | 45.4         | 138.3               | GGGG                |                      | 26                       | 24                     |
| 2572-15535     | 00000/0000                     | 2-20030/1412                | 08/16/76         | 10             | 7975             | 5019N                                   | 06449W       | 46.2         | 136.6               | GGGG                |                      | 26                       | 25                     |
| 2572-17261     | 2-20033/0007                   | 00000/0000                  | 08/16/76         | 90             | 7976             | 8100N                                   | 03810W       | 20.1         | 224.4               | FFF                 |                      | 31                       | 246                    |
| 2572-17264     | 2-20033/0008                   | 00000/0000                  | 08/16/76         | 10             | 7976             | 8043N                                   | 04712W       | 21.2         | 215.3               | GGG                 |                      | 31                       | 247                    |
| 2572-17270     | 2-20033/0009                   | 00000/0000                  | 08/16/76         | 0              | 7976             | 8013N                                   | 05530W       | 22.4         | 206.9               | GGG                 |                      | 43                       | 1                      |
| 2572-17273     | 2-20033/0010                   | 00000/0000                  | 08/16/76         | 10             | 7976             | 7932N                                   | 06254W       | 23.5         | 199.3               | G                   |                      | 43                       | 2                      |
| 2572-17275     | 2-20033/0011                   | 00000/0000                  | 08/16/76         | 10             | 7976             | 7843N                                   | 06921W       | 24.6         | 192.7               | G                   |                      | 44                       | 3                      |
| 2572-17282     | 2-20033/0012                   | 00000/0000                  | 08/16/76         | 10             | 7976             | 7747N                                   | 07454W       | 25.7         | 186.9               | GGG                 |                      | 44                       | 4                      |
| 2572-17352     | 00000/0000                     | 2-20030/1308                | 08/16/76         | 10             | 7976             | 5566N                                   | 10939W       | 42.9         | 143.4               | GGGG                |                      | 44                       | 21                     |
| 2572-17355     | 00000/0000                     | 2-20030/1309                | 08/16/76         | 50             | 7976             | 5432N                                   | 11026W       | 43.7         | 141.7               | GGGG                |                      | 44                       | 22                     |
| 2572-17361     | 00000/0000                     | 2-20030/1310                | 08/16/76         | 50             | 7976             | 5307N                                   | 11112W       | 44.6         | 140.0               | GGGG                |                      | 44                       | 23                     |
| 2572-17364     | 00000/0000                     | 2-20030/1311                | 08/16/76         | 30             | 7976             | 5143N                                   | 11154W       | 45.4         | 138.3               | GGGG                |                      | 44                       | 24                     |
| 2572-17370     | 00000/0000                     | 2-20030/1312                | 08/16/76         | 60             | 7976             | 5019N                                   | 11235W       | 46.2         | 136.6               | GGGG                |                      | 44                       | 25                     |
| 2572-19093     | 2-20033/0013                   | 00000/0000                  | 08/16/76         | 20             | 9976             | 8102N                                   | 06409W       | 20.1         | 224.4               | GGG                 |                      | 49                       | 246 A                  |
| 2572-19095     | 2-20033/0014                   | 00000/0000                  | 08/16/76         | 40             | 9976             | 8043N                                   | 07310W       | 21.2         | 215.3               | GG                  |                      | 49                       | 247                    |
| 2572-19102     | 2-20033/0015                   | 00000/0000                  | 08/16/76         | 40             | 9976             | 8013N                                   | 08126W       | 22.3         | 206.9               | G                   |                      | 61                       | 1                      |
| 2572-20533     | 00000/0000                     | 2-20030/1395                | 08/16/76         | 100            | 7978             | 8016N                                   | 10651W       | 22.3         | 207.3               | GGGG                |                      | 67                       | 248                    |
| 2572-20540     | 00000/0000                     | 2-20030/1356                | 08/16/76         | 100            | 7978             | 7935N                                   | 11419W       | 23.4         | 199.7               | GGGG                |                      | 79                       | 2                      |
| 2572-20542     | 00000/0000                     | 2-20030/1397                | 08/16/76         | 30             | 7978             | 7846N                                   | 12048W       | 24.5         | 193.0               | GGGG                |                      | 79                       | 3                      |
| 2572-20545     | 00000/0000                     | 2-20030/1398                | 08/16/76         | 30             | 7978             | 7760N                                   | 12421W       | 25.6         | 187.2               | GGGG                |                      | 80                       | 4                      |
| 2572-20551     | 00000/0000                     | 2-20030/1399                | 08/16/76         | 50             | 7978             | 7648N                                   | 13106W       | 26.7         | 182.2               | FGGG                |                      | 80                       | 5                      |
| 2572-20554     | 00000/0000                     | 2-20030/1400                | 08/16/76         | 20             | 7978             | 7543N                                   | 13511W       | 27.8         | 177.8               | GGGG                |                      | 80                       | 6                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | QUAL<br>123 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2572-20560        | 00000/0000                                     | 2-20030/1401     | 08/16/76       | 60              | 7978                               | 7433N                               | 13842W       | 28.9         | 174.0             | GGGG        |                     |                      | 80                      | 7                      |
| 2572-20563        | 00000/0000                                     | 2-20030/1402     | 08/16/76       | 60              | 7978                               | 7322N                               | 14145W       | 29.9         | 170.6             | GGGG        |                     |                      | 80                      | 8                      |
| 2572-20565        | 00000/0000                                     | 2-20030/1403     | 08/16/76       | 30              | 7978                               | 7208N                               | 14424W       | 31.0         | 167.6             | GGGG        |                     |                      | 80                      | 9                      |
| 2573-00312        | 00000/0000                                     | 2-20030/1364     | 08/17/76       | 70              | 7980                               | 4604N                               | 14216E       | 48.3         | 131.5             | GGGG        |                     |                      | 116                     | 28                     |
| 2573-03541        | 00000/0000                                     | 2-20030/1642     | 08/17/76       | 90              | 7982                               | 5842N                               | 09708E       | 40.9         | 146.8             | GGG         |                     |                      | 152                     | 19                     |
| 2573-03543        | 00000/0000                                     | 2-20030/1643     | 08/17/76       | 90              | 7982                               | 5719N                               | 09614E       | 41.8         | 145.1             | GGGG        |                     |                      | 152                     | 20                     |
| 2573-03550        | 00000/0000                                     | 2-20030/1644     | 08/17/76       | 90              | 7982                               | 5556N                               | 09523E       | 42.7         | 143.5             | GGGG        |                     |                      | 152                     | 21                     |
| 2573-03552        | 00000/0000                                     | 2-20030/1365     | 08/17/76       | 100             | 7982                               | 5432N                               | 09436E       | 43.6         | 141.3             | GGGG        |                     |                      | 152                     | 22                     |
| 2573-03555        | 00000/0000                                     | 2-20030/1366     | 08/17/76       | 90              | 7982                               | 5308N                               | 09351E       | 44.4         | 140.1             | GGGG        |                     |                      | 152                     | 23                     |
| 2573-03561        | 00000/0000                                     | 2-20030/1367     | 08/17/76       | 90              | 7982                               | 5143N                               | 09308E       | 45.3         | 138.4             | GGGG        |                     |                      | 152                     | 24                     |
| 2573-05372        | 00000/0000                                     | 2-20030/1368     | 08/17/76       | 10              | 7983                               | 5843N                               | 07120E       | 40.9         | 146.8             | FGGG        |                     |                      | 170                     | 19                     |
| 2573-05375        | 00000/0000                                     | 2-20030/1369     | 08/17/76       | 10              | 7983                               | 5720N                               | 07025E       | 41.8         | 145.1             | GGGG        |                     |                      | 170                     | 20                     |
| 2573-05381        | 00000/0000                                     | 2-20030/1370     | 08/17/76       | 30              | 7983                               | 5556N                               | 06935E       | 42.7         | 143.5             | GGGG        |                     |                      | 170                     | 21                     |
| 2573-05384        | 00000/0000                                     | 2-20030/1371     | 08/17/76       | 40              | 7983                               | 5432N                               | 06847E       | 43.6         | 141.8             | GGGG        |                     |                      | 170                     | 22                     |
| 2573-05390        | 00000/0000                                     | 2-20030/1372     | 08/17/76       | 10              | 7983                               | 5307N                               | 06803E       | 44.4         | 140.1             | GGGG        |                     |                      | 170                     | 23                     |
| 2573-05393        | 00000/0000                                     | 2-20030/1373     | 08/17/76       | 0               | 7983                               | 5143N                               | 06720E       | 45.2         | 138.5             | GGGG        |                     |                      | 170                     | 24                     |
| 2573-05395        | 00000/0000                                     | 2-20030/1374     | 08/17/76       | 0               | 7983                               | 5019N                               | 06639E       | 46.0         | 136.8             | GGGG        |                     |                      | 170                     | 25                     |
| 2573-05402        | 00000/0000                                     | 2-20030/1375     | 08/17/76       | 0               | 7983                               | 4854N                               | 06600E       | 46.8         | 135.1             | GGGG        |                     |                      | 170                     | 26                     |
| 2573-05404        | 00000/0000                                     | 2-20030/1376     | 08/17/76       | 0               | 7983                               | 4729N                               | 06523E       | 47.6         | 133.3             | GGGG        |                     |                      | 170                     | 27                     |
| 2573-05411        | 00000/0000                                     | 2-20030/1377     | 08/17/76       | 0               | 7983                               | 4604N                               | 06448E       | 48.3         | 131.6             | GGGG        |                     |                      | 170                     | 28                     |
| 2573-05413        | 00000/0000                                     | 2-20030/1378     | 08/17/76       | 0               | 7983                               | 4439N                               | 06414E       | 48.9         | 129.8             | GGGG        |                     |                      | 170                     | 29                     |
| 2573-05434        | 00000/0000                                     | 2-20030/1379     | 08/17/76       | 0               | 7983                               | 3731N                               | 06144E       | 51.8         | 120.3             | GGGG        |                     |                      | 170                     | 34                     |
| 2573-05452        | 00000/0000                                     | 2-20030/1380     | 08/17/76       | 10              | 7983                               | 3146N                               | 06000E       | 53.4         | 112.2             | GGGG        |                     |                      | 170                     | 38                     |
| 2573-05454        | 00000/0000                                     | 2-20030/1381     | 08/17/76       | 0               | 7983                               | 3021N                               | 05935E       | 53.6         | 110.1             | GGGG        |                     |                      | 170                     | 39                     |
| 2573-05461        | 00000/0000                                     | 2-20030/1382     | 08/17/76       | 0               | 7983                               | 2855N                               | 05910E       | 53.9         | 108.0             | GGGG        |                     |                      | 170                     | 40                     |
| 2573-05463        | 00000/0000                                     | 2-20030/1383     | 08/17/76       | 20              | 7983                               | 2729N                               | 05846E       | 54.0         | 105.8             | GGGG        |                     |                      | 170                     | 41                     |
| 2573-05470        | 00000/0000                                     | 2-20030/1384     | 08/17/76       | 20              | 7983                               | 2602N                               | 05823E       | 54.1         | 103.7             | GGGG        |                     |                      | 170                     | 42                     |
| 2573-07195        | 00000/0000                                     | 2-20030/1645     | 08/17/76       | 40              | 7984                               | 6128N                               | 04735E       | 39.0         | 150.3             | FGGG        |                     |                      | 188                     | 17                     |
| 2573-07202        | 00000/0000                                     | 2-20030/1646     | 08/17/76       | 30              | 7984                               | 6006N                               | 04633E       | 40.0         | 148.5             | GGGG        |                     |                      | 188                     | 18                     |
| 2573-07204        | 00000/0000                                     | 2-20030/1647     | 08/17/76       | 30              | 7984                               | 5843N                               | 04534E       | 40.9         | 146.8             | GGGG        |                     |                      | 188                     | 19                     |
| 2573-07211        | 00000/0000                                     | 2-20030/1648     | 08/17/76       | 30              | 7984                               | 5719N                               | 04439E       | 41.8         | 145.2             | GGGG        |                     |                      | 188                     | 20                     |
| 2573-07213        | 00000/0000                                     | 2-20030/1649     | 08/17/76       | 70              | 7984                               | 5555N                               | 04347E       | 42.7         | 143.5             | GGGG        |                     |                      | 188                     | 21                     |
| 2573-07220        | 00000/0000                                     | 2-20030/1650     | 08/17/76       | 90              | 7984                               | 5432N                               | 04259E       | 43.6         | 141.8             | GGGG        |                     |                      | 188                     | 22                     |
| 2573-07222        | 00000/0000                                     | 2-20030/1651     | 08/17/76       | 90              | 7984                               | 5307N                               | 04213E       | 44.4         | 140.2             | GGGG        |                     |                      | 188                     | 23                     |
| 2573-07225        | 00000/0000                                     | 2-20030/1652     | 08/17/76       | 80              | 7984                               | 5143N                               | 04131E       | 45.2         | 138.5             | GGGG        |                     |                      | 188                     | 24                     |
| 2573-07231        | 00000/0000                                     | 2-20030/1653     | 08/17/76       | 10              | 7984                               | 5018N                               | 04051E       | 46.0         | 136.8             | GGGG        |                     |                      | 188                     | 25                     |

## KEYS:

CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2573-07234        | 00000/0000                                     | 2-20030/1654     | 08/17/76       | 10              | 7984                               | 4853N                               | 04013E       | 46.8         | 135.1             | GGGG                |                      | 188                     | 26                     |
| 2573-07240        | 00000/0000                                     | 2-20030/1655     | 08/17/76       | 10              | 7984                               | 4729N                               | 03436E       | 47.5         | 133.3             | FGGG                |                      | 188                     | 27                     |
| 2573-10492        | 00000/0000                                     | 2-20030/1656     | 08/17/76       | 10              | 7986                               | 5142N                               | 01006W       | 45.2         | 138.5             | GGGG                |                      | 224                     | 24                     |
| 2573-12573        | 00000/0000                                     | 2-20030/1657     | 08/17/76       | 90              | 7987                               | 3430S                               | 05951W       | 25.0         | 51.1              | GGFF                |                      | 242                     | 24                     |
| 2573-12582        | 00000/0000                                     | 2-20030/1658     | 08/17/76       | 10              | 7987                               | 3722S                               | 06046W       | 22.7         | 50.7              | FFFF                |                      | 242                     | 24                     |
| 2573-12585        | 00000/0000                                     | 2-20030/1659     | 08/17/76       | 30              | 7987                               | 3847S                               | 06114W       | 21.4         | 50.5              | FFFF                |                      | 242                     | 27                     |
| 2573-12591        | 00000/0000                                     | 2-20030/1660     | 08/17/76       | 50              | 7987                               | 4013S                               | 06143W       | 20.5         | 50.4              | FFFF                |                      | 242                     | 28                     |
| 2573-14161        | 00000/0000                                     | 2-20030/1430     | 08/17/76       | 90              | 7988                               | 5020N                               | 06225W       | 48.9         | 136.9             | GGGG                |                      | 9                       | 25                     |
| 2573-14164        | 00000/0000                                     | 2-20030/1431     | 08/17/76       | 50              | 7988                               | 4855N                               | 06303W       | 46.7         | 135.2             | GGGG                |                      | 9                       | 26                     |
| 2573-14173        | 00000/0000                                     | 2-20030/1432     | 08/17/76       | 70              | 7988                               | 4605N                               | 06414W       | 48.2         | 131.7             | FGGG                |                      | 9                       | 28                     |
| 2573-14175        | 00000/0000                                     | 2-20030/1433     | 08/17/76       | 40              | 7988                               | 4440N                               | 06447W       | 48.9         | 129.9             | FGGG                |                      | 9                       | 29                     |
| 2573-14182        | 00000/0000                                     | 2-20030/1434     | 08/17/76       | 30              | 7988                               | 4315N                               | 06519W       | 49.5         | 128.1             | GGFF                |                      | 9                       | 30                     |
| 2573-14184        | 00000/0000                                     | 2-20030/1435     | 08/17/76       | 70              | 7988                               | 4149N                               | 06551W       | 50.1         | 126.3             | GGGG                |                      | 9                       | 31                     |
| 2573-15590        | 00000/0000                                     | 2-20030/1436     | 08/17/76       | 10              | 7989                               | 5146N                               | 06732W       | 45.1         | 138.6             | GGGG                |                      | 27                      | 24                     |
| 2573-15593        | 00000/0000                                     | 2-20030/1437     | 08/17/76       | 0               | 7989                               | 5021N                               | 06813W       | 45.9         | 136.9             | GGGG                |                      | 27                      | 25                     |
| 2573-17322        | 2-20033/0016                                   | 00000/0000       | 08/17/76       | 90              | 7990                               | 8043N                               | 04849W       | 20.9         | 215.2             | GGG                 |                      | 32                      | 247                    |
| 2573-17325        | 2-20033/0017                                   | 00000/0000       | 08/17/76       | 90              | 7990                               | 8013N                               | 05707W       | 22.0         | 206.8             | GGG                 |                      | 44                      | 1                      |
| 2573-17331        | 2-20033/0018                                   | 00000/0000       | 08/17/76       | 80              | 7990                               | 7932N                               | 06431W       | 23.2         | 199.3             | GGF                 |                      | 44                      | 2                      |
| 2573-17334        | 2-20033/0019                                   | 00000/0000       | 08/17/76       | 30              | 7990                               | 7843N                               | 07057W       | 24.3         | 192.7             | GGG                 |                      | 45                      | 3                      |
| 2573-17340        | 2-20033/0020                                   | 00000/0000       | 08/17/76       | 30              | 7990                               | 7746N                               | 07629W       | 25.4         | 186.9             | GGG                 |                      | 45                      | 4                      |
| 2573-17413        | 00000/0000                                     | 2-20030/1438     | 08/17/76       | 90              | 7990                               | 5433N                               | 11153W       | 43.4         | 141.9             | GGGG                |                      | 45                      | 22                     |
| 2573-17420        | 00000/0000                                     | 2-20030/1439     | 08/17/76       | 80              | 7990                               | 5309N                               | 11238W       | 44.3         | 140.3             | FGGG                |                      | 45                      | 23                     |
| 2573-17422        | 00000/0000                                     | 2-20030/1440     | 08/17/76       | 40              | 7990                               | 5145N                               | 11321W       | 45.1         | 138.6             | GGGG                |                      | 45                      | 24                     |
| 2573-17425        | 00000/0000                                     | 2-20030/1441     | 08/17/76       | 50              | 7990                               | 5020N                               | 11402W       | 45.9         | 136.9             | GGGG                |                      | 45                      | 25                     |
| 2573-19154        | 2-20033/0021                                   | 00000/0000       | 08/17/76       | 90              | 7991                               | 8044N                               | 07442W       | 20.9         | 215.2             | GGG                 |                      | 50                      | 247                    |
| 2573-19160        | 2-20033/0022                                   | 00000/0000       | 08/17/76       | 50              | 7991                               | 8014N                               | 08300W       | 22.0         | 206.8             | GGG                 |                      | 62                      | 1                      |
| 2573-20592        | 00000/0000                                     | 2-20030/1442     | 08/17/76       | 100             | 7992                               | 8014N                               | 10818W       | 21.9         | 207.2             | GGFF                |                      | 80                      | 1                      |
| 2573-20594        | 00000/0000                                     | 2-20030/1443     | 08/17/76       | 90              | 7992                               | 7934N                               | 11542W       | 23.1         | 199.6             | FGFF                |                      | 80                      | 2                      |
| 2573-21001        | 00000/0000                                     | 2-20030/1444     | 08/17/76       | 90              | 7992                               | 7845N                               | 12209W       | 24.2         | 193.0             | GGFF                |                      | 80                      | 3                      |
| 2573-21003        | 00000/0000                                     | 2-20030/1445     | 08/17/76       | 90              | 7992                               | 7743N                               | 12742W       | 25.3         | 187.2             | FGFF                |                      | 80                      | 4                      |
| 2573-21010        | 00000/0000                                     | 2-20030/1446     | 08/17/76       | 90              | 7992                               | 7647N                               | 13229W       | 26.4         | 182.2             | FGFF                |                      | 81                      | 5                      |
| 2573-21012        | 00000/0000                                     | 2-20030/1447     | 08/17/76       | 50              | 7992                               | 7541N                               | 13635W       | 27.5         | 177.8             | FGFF                |                      | 81                      | 6                      |
| 2573-21015        | 00000/0000                                     | 2-20030/1448     | 08/17/76       | 60              | 7992                               | 7432N                               | 14006W       | 28.6         | 174.0             | GGFF                |                      | 81                      | 7                      |
| 2573-21021        | 00000/0000                                     | 2-20030/1449     | 08/17/76       | 90              | 7992                               | 7320N                               | 14309W       | 29.6         | 170.6             | FFFF                |                      | 81                      | 8                      |
| 2573-21024        | 00000/0000                                     | 2-20030/1450     | 08/17/76       | 80              | 7992                               | 7206N                               | 14548W       | 30.7         | 167.6             | FGFF                |                      | 81                      | 9                      |
| 2574-00364        | 00000/0000                                     | 2-20030/1479     | 08/18/76       | 80              | 7994                               | 4729N                               | 14130E       | 47.4         | 133.6             | GG G                |                      | 117                     | 27                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2574-00370        | 00000/0000                                     | 2-20030/1480     | 08/18/76       | 70              | 7994                               | 4604N                               | 14055E       | 48.1         | 131.8                              | GG F                |                      | 117                     | 28                     |
| 2574-00373        | 00000/0000                                     | 2-20030/1481     | 08/18/76       | 70              | 7994                               | 4439N                               | 14021E       | 48.8         | 130.0                              | GF G                |                      | 117                     | 29                     |
| 2574-00375        | 00000/0000                                     | 2-20030/1482     | 08/18/76       | 40              | 7994                               | 4314N                               | 13949E       | 49.4         | 128.2                              | GGGG                |                      | 117                     | 30                     |
| 2574-00382        | 00000/0000                                     | 2-20030/1483     | 08/18/76       | 30              | 7994                               | 4148N                               | 13917E       | 50.0         | 126.4                              | GGGG                |                      | 117                     | 31                     |
| 2574-00384        | 00000/0000                                     | 2-20030/1484     | 08/18/76       | 10              | 7994                               | 4023N                               | 13847E       | 50.6         | 124.5                              | GGGG                |                      | 117                     | 32                     |
| 2574-02214        | 00000/0000                                     | 2-20030/1485     | 08/18/76       | 90              | 7995                               | 4148N                               | 11326E       | 50.0         | 126.4                              | GGGF                |                      | 135                     | 31                     |
| 2574-02220        | 00000/0000                                     | 2-20030/1486     | 08/18/76       | 60              | 7995                               | 4022N                               | 11255E       | 50.6         | 124.5                              | GGGF                |                      | 135                     | 32                     |
| 2574-02223        | 00000/0000                                     | 2-20030/1487     | 08/18/76       | 20              | 7995                               | 3857N                               | 11225E       | 51.1         | 122.6                              | GGGF                |                      | 135                     | 33                     |
| 2574-02225        | 00000/0000                                     | 2-20030/1488     | 08/18/76       | 20              | 7995                               | 3732N                               | 11157E       | 51.6         | 120.7                              | GGGG                |                      | 135                     | 34                     |
| 2574-02234        | 00000/0000                                     | 2-20030/1489     | 08/18/76       | 60              | 7995                               | 3439N                               | 11103E       | 52.5         | 116.7                              | GGGG                |                      | 135                     | 36                     |
| 2574-03595        | 00000/0000                                     | 2-20030/1490     | 08/18/76       | 70              | 7996                               | 5845N                               | 09545E       | 40.6         | 147.0                              | FGGG                |                      | 153                     | 19                     |
| 2574-04002        | 00000/0000                                     | 2-20030/1491     | 08/18/76       | 80              | 7996                               | 5722N                               | 09450E       | 41.5         | 145.4                              | GGGG                |                      | 153                     | 20                     |
| 2574-04004        | 00000/0000                                     | 2-20030/1492     | 08/18/76       | 90              | 7996                               | 5558N                               | 09359E       | 42.4         | 143.7                              | GGFG                |                      | 153                     | 21                     |
| 2574-04011        | 00000/0000                                     | 2-20030/1493     | 08/18/76       | 100             | 7996                               | 5434N                               | 09311E       | 43.3         | 142.1                              | FFFF                |                      | 153                     | 22                     |
| 2574-04013        | 00000/0000                                     | 2-20030/1494     | 08/18/76       | 90              | 7996                               | 5310N                               | 09226E       | 44.1         | 140.4                              | FFFF                |                      | 153                     | 23                     |
| 2574-04020        | 00000/0000                                     | 2-20030/1495     | 08/18/76       | 30              | 7996                               | 5145N                               | 09143E       | 45.0         | 138.7                              | GFFF                |                      | 153                     | 24                     |
| 2574-04040        | 00000/0000                                     | 2-20030/1496     | 08/18/76       | 90              | 7996                               | 4441N                               | 08839E       | 45.7         | 130.1                              | FGFF                |                      | 153                     | 29                     |
| 2574-04043        | 00000/0000                                     | 2-20030/1497     | 08/18/76       | 100             | 7996                               | 4316N                               | 08807E       | 49.4         | 128.3                              | GGFF                |                      | 153                     | 30                     |
| 2574-05424        | 00000/0000                                     | 2-20030/1498     | 08/18/76       | 10              | 7997                               | 6009N                               | 07056E       | 39.6         | 148.7                              | FGGG                |                      | 171                     | 18                     |
| 2574-05431        | 00000/0000                                     | 2-20030/1499     | 08/18/76       | 10              | 7997                               | 5846N                               | 06957E       | 40.6         | 147.1                              | GGGG                |                      | 171                     | 19                     |
| 2574-05433        | 00000/0000                                     | 2-20030/1500     | 08/18/76       | 10              | 7997                               | 5722N                               | 06902E       | 41.5         | 145.4                              | GGFG                |                      | 171                     | 20                     |
| 2574-05440        | 00000/0000                                     | 2-20030/1501     | 08/18/76       | 10              | 7997                               | 5559N                               | 06811E       | 42.4         | 143.7                              | GGFG                |                      | 171                     | 21                     |
| 2574-05442        | 00000/0000                                     | 2-20030/1502     | 08/18/76       | 40              | 7997                               | 5435N                               | 06723E       | 43.3         | 142.1                              | FGGG                |                      | 171                     | 22                     |
| 2574-05445        | 00000/0000                                     | 2-20030/1503     | 08/18/76       | 30              | 7997                               | 5310N                               | 06637E       | 44.1         | 140.4                              | GGGG                |                      | 171                     | 23                     |
| 2574-05451        | 00000/0000                                     | 2-20030/1504     | 08/18/76       | 60              | 7997                               | 5146N                               | 06555E       | 44.9         | 138.8                              | FFGG                |                      | 171                     | 24                     |
| 2574-05454        | 00000/0000                                     | 2-20030/1505     | 08/18/76       | 60              | 7997                               | 5022N                               | 06514E       | 45.8         | 137.1                              | GGGG                |                      | 171                     | 25                     |
| 2574-05501        | 00000/0000                                     | 2-20030/1506     | 08/18/76       | 0               | 7997                               | 3441N                               | 05926E       | 52.5         | 116.8                              | FGGG                |                      | 171                     | 36                     |
| 2574-05504        | 00000/0000                                     | 2-20030/1507     | 08/18/76       | 0               | 7997                               | 3316N                               | 05900E       | 52.9         | 114.8                              | FGGG                |                      | 171                     | 37                     |
| 2574-05510        | 00000/0000                                     | 2-20030/1508     | 08/18/76       | 10              | 7997                               | 3150N                               | 05834E       | 53.2         | 112.7                              | GGFG                |                      | 171                     | 38                     |
| 2574-07251        | 00000/0000                                     | 2-20030/1385     | 08/18/76       | 30              | 7998                               | 6252N                               | 04718E       | 37.7         | 152.3                              | G GG                |                      | 189                     | 16                     |
| 2574-07253        | 00000/0000                                     | 2-20030/1386     | 08/18/76       | 60              | 7998                               | 6130N                               | 04610E       | 38.7         | 150.5                              | GGPG                |                      | 189                     | 17                     |
| 2574-07260        | 00000/0000                                     | 2-20030/1387     | 08/18/76       | 70              | 7998                               | 6008N                               | 04506E       | 39.6         | 148.8                              | FGPG                |                      | 189                     | 18                     |
| 2574-07262        | 00000/0000                                     | 2-20030/1388     | 08/18/76       | 90              | 7998                               | 5845N                               | 04408E       | 40.6         | 147.1                              | GGPG                |                      | 189                     | 19                     |
| 2574-07265        | 00000/0000                                     | 2-20030/1389     | 08/18/76       | 90              | 7998                               | 5721N                               | 04313E       | 41.5         | 145.4                              | GGFG                |                      | 189                     | 20                     |
| 2574-07271        | 00000/0000                                     | 2-20030/1390     | 08/18/76       | 100             | 7998                               | 5557N                               | 04222E       | 42.4         | 143.7                              | GGFG                |                      | 189                     | 21                     |
| 2574-07274        | 00000/0000                                     | 2-20030/1391     | 08/18/76       | 80              | 7998                               | 5434N                               | 04134E       | 43.3         | 142.1                              | GGPG                |                      | 189                     | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, RAND NOT AVAILABLE. G, GOOD. P, POOR. F, FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/32/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2574-07280        | 00000/0000                   | 2-20030/1392                | 08/18/76         | 30             | 7998            | 5310N                                   | 04049E       | 44.1         | 140.4                              | GGGG                |                      | 189                     | 23                     |
| 2574-07283        | 00000/0000                   | 2-20030/1393                | 08/18/76         | 20             | 7998            | 5145N                                   | 04006E       | 44.9         | 138.8                              | GGGG                |                      | 189                     | 24                     |
| 2574-07285        | 00000/0000                   | 2-20030/1394                | 08/18/76         | 10             | 7998            | 5020N                                   | 03926E       | 45.7         | 137.1                              | FGGG                |                      | 189                     | 25                     |
| 2574-07292        | 00000/0000                   | 2-20030/1554                | 08/18/76         | 10             | 7998            | 4856N                                   | 03847E       | 46.5         | 135.4                              | GGGG                |                      | 189                     | 26                     |
| 2574-07294        | 00000/0000                   | 2-20030/1555                | 08/18/76         | 10             | 7998            | 4731N                                   | 03810E       | 47.3         | 133.7                              | GGGG                |                      | 189                     | 27                     |
| 2574-07301        | 00000/0000                   | 2-20030/1556                | 08/18/76         | 10             | 7998            | 4606N                                   | 03735E       | 48.0         | 131.9                              | GGGG                |                      | 189                     | 28                     |
| 2574-07303        | 00000/0000                   | 2-20030/1557                | 08/18/76         | 10             | 7998            | 4440N                                   | 03701E       | 48.7         | 130.2                              | GGGG                |                      | 189                     | 29                     |
| 2574-13020        | 00000/0000                   | 2-20030/1558                | 08/18/76         | 20             | 8001            | 3015S                                   | 06003W       | 28.5         | 52.2                               | FFPP                |                      | 243                     | 81                     |
| 2574-13023        | 00000/0000                   | 2-20030/1559                | 08/18/76         | 50             | 8001            | 3142S                                   | 06027W       | 27.4         | 51.9                               | FFPP                |                      | 243                     | 82                     |
| 2574-13025        | 00000/0000                   | 2-20030/1560                | 08/18/76         | 90             | 8001            | 3307S                                   | 06052W       | 26.3         | 51.6                               | PPPP                |                      | 243                     | 83                     |
| 2574-13032        | 00000/0000                   | 2-20030/1561                | 08/18/76         | 50             | 8001            | 3432S                                   | 06118W       | 25.2         | 51.3                               | PPPP                |                      | 243                     | 84                     |
| 2574-13034        | 00000/0000                   | 2-20030/1562                | 08/18/76         | 10             | 8001            | 3557S                                   | 06144W       | 24.1         | 51.0                               | FFFF                |                      | 243                     | 85                     |
| 2574-13041        | 00000/0000                   | 2-20030/1563                | 08/18/76         | 10             | 8001            | 3723S                                   | 06211W       | 23.0         | 50.9                               | GGGG                |                      | 243                     | 86                     |
| 2574-13043        | 00000/0000                   | 2-20030/1564                | 08/18/76         | 10             | 8001            | 3848S                                   | 06239W       | 21.9         | 50.7                               | FFFF                |                      | 243                     | 87                     |
| 2574-14222        | 00000/0000                   | 2-20030/1509                | 08/18/76         | 20             | 8002            | 4855N                                   | 06429W       | 46.5         | 135.5                              | GGGG                |                      | 10                      | 26                     |
| 2574-14243        | 00000/0000                   | 2-20030/1510                | 08/18/76         | 60             | 8002            | 4149N                                   | 06716W       | 49.9         | 126.6                              | GGGG                |                      | 10                      | 31                     |
| 2574-14245        | 00000/0000                   | 2-20030/1511                | 08/18/76         | 90             | 8002            | 4022N                                   | 06746W       | 50.5         | 124.7                              | GGGG                |                      | 10                      | 32                     |
| 2574-14252        | 00000/0000                   | 2-20030/1512                | 08/18/76         | 80             | 8002            | 3856N                                   | 06815W       | 51.0         | 122.8                              | GGGG                |                      | 10                      | 33                     |
| 2574-16051        | 00000/0000                   | 2-20030/1513                | 08/18/76         | 70             | 8003            | 5021N                                   | 06940W       | 45.7         | 137.2                              | GGGG                |                      | 28                      | 25                     |
| 2574-16124        | 00000/0000                   | 2-20030/1514                | 08/18/76         | 60             | 8003            | 2435N                                   | 09A17W       | 54.1         | 102.3                              | FGGG                |                      | 28                      | 48                     |
| 2574-17383        | 2-20031/0067                 | 00000/0000                  | 08/18/76         | 70             | 8004            | 8015N                                   | 05A22W       | 21.7         | 207.1                              | GGG                 |                      | 45                      | 1                      |
| 2574-17385        | 2-20031/0068                 | 00000/0000                  | 08/18/76         | 70             | 8004            | 7934N                                   | 06547W       | 22.8         | 199.5                              | GPP                 |                      | 45                      | 2                      |
| 2574-17392        | 2-20031/0069                 | 00000/0000                  | 08/18/76         | 50             | 8004            | 7845N                                   | 07215W       | 23.9         | 192.9                              | GGG                 |                      | 46                      | 3                      |
| 2574-17394        | 2-20031/0070                 | 00000/0000                  | 08/18/76         | 50             | 8004            | 7748N                                   | 07748W       | 25.0         | 187.1                              | GGG                 |                      | 46                      | 4                      |
| 2574-17474        | 00000/0000                   | 2-20030/1519                | 08/18/76         | 10             | 8004            | 5308N                                   | 11406W       | 44.0         | 140.5                              | GGGG                |                      | 46                      | 23                     |
| 2574-17480        | 00000/0000                   | 2-20030/1520                | 08/18/76         | 20             | 8004            | 5143N                                   | 11449W       | 44.8         | 138.8                              | GGGG                |                      | 46                      | 24                     |
| 2574-17483        | 00000/0000                   | 2-20030/1521                | 08/18/76         | 40             | 8004            | 5019N                                   | 11529W       | 45.6         | 137.2                              | GGGG                |                      | 46                      | 25                     |
| 2574-19212        | 2-20031/0071                 | 00000/0000                  | 08/18/76         | 20             | 8005            | 8044N                                   | 07551W       | 20.5         | 215.5                              | GGG                 |                      | 51                      | 247                    |
| 2574-19214        | 2-20031/0072                 | 00000/0000                  | 08/18/76         | 40             | 8005            | 8014N                                   | 08412W       | 21.7         | 207.0                              | FGF                 |                      | 63                      | 1                      |
| 2574-21052        | 00000/0000                   | 2-20030/1751                | 08/18/76         | 100            | 8006            | 7936N                                   | 11701W       | 22.7         | 199.9                              | GGGG                |                      | 81                      | 2                      |
| 2574-21055        | 00000/0000                   | 2-20030/1752                | 08/18/76         | 90             | 8006            | 7847N                                   | 12332W       | 23.8         | 193.2                              | GGGG                |                      | 81                      | 3                      |
| 2574-21061        | 00000/0000                   | 2-20030/1753                | 08/18/76         | 90             | 8006            | 7751N                                   | 12408W       | 24.9         | 187.4                              | GGGG                |                      | 81                      | 4                      |
| 2574-21064        | 00000/0000                   | 2-20030/1754                | 08/18/76         | 90             | 8006            | 7650N                                   | 13354W       | 26.0         | 182.4                              | GGGG                |                      | 82                      | 5                      |
| 2574-21070        | 00000/0000                   | 2-20030/1755                | 08/18/76         | 90             | 8006            | 7544N                                   | 13A00W       | 27.1         | 178.0                              | GGGG                |                      | 82                      | 6                      |
| 2574-21073        | 00000/0000                   | 2-20030/1756                | 08/18/76         | 80             | 8006            | 7434N                                   | 14132W       | 28.2         | 174.2                              | GGGG                |                      | 82                      | 7                      |
| 2574-21075        | 00000/0000                   | 2-20030/1757                | 08/18/76         | 90             | 8006            | 7322N                                   | 14434W       | 29.3         | 170.8                              | GGGG                |                      | 82                      | 8                      |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ORBIT<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV<br>123 | QUAL<br>MSS<br>45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|--------------------------|----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2574-21082        | 00000/0000                   | 2-20030/1758                 | 08/18/76         | 90             | 8006            | 7208N                        | 14713W        | 30.4         | 167.7        | GGGG                     |                      |                     |                      | 82                      | 9                      |
| 2574-23232        | 00000/0000                   | 2-20030/1545                 | 08/18/76         | 10             | 8007            | 3557S                        | 14323E        | 24.3         | 51.1         | G GG                     |                      |                     |                      | 100                     | 85                     |
| 2575-01054        | 00000/0000                   | 2-20030/1546                 | 08/19/76         | 90             | 8008            | 3305S                        | 11825E        | 26.5         | 51.7         | GGGG                     |                      |                     |                      | 118                     | 83                     |
| 2575-02245        | 00000/0000                   | 2-20030/1547                 | 08/19/76         | 40             | 8009            | 5021N                        | 11529E        | 45.5         | 137.3        | GFGG                     |                      |                     |                      | 136                     | 25                     |
| 2575-02272        | 00000/0000                   | 2-20030/1548                 | 08/19/76         | 10             | 8009            | 4151N                        | 11200E        | 49.8         | 126.8        | GGGG                     |                      |                     |                      | 136                     | 31                     |
| 2575-02274        | 00000/0000                   | 2-20030/1549                 | 08/19/76         | 50             | 8009            | 4026N                        | 11129E        | 50.4         | 125.0        | GGGG                     |                      |                     |                      | 136                     | 32                     |
| 2575-02281        | 00000/0000                   | 2-20030/1550                 | 08/19/76         | 90             | 8009            | 3900N                        | 11100E        | 50.9         | 123.1        | GGGG                     |                      |                     |                      | 136                     | 33                     |
| 2575-02283        | 00000/0000                   | 2-20030/1551                 | 08/19/76         | 100            | 8009            | 3733N                        | 11031E        | 51.4         | 121.1        | FFFF                     |                      |                     |                      | 136                     | 34                     |
| 2575-02290        | 00000/0000                   | 2-20030/1552                 | 08/19/76         | 90             | 8009            | 3607N                        | 11004E        | 51.9         | 119.2        | GGGG                     |                      |                     |                      | 136                     | 35                     |
| 2575-02292        | 00000/0000                   | 2-20030/1553                 | 08/19/76         | 90             | 8009            | 3441N                        | 10937E        | 52.3         | 117.2        | GGGG                     |                      |                     |                      | 136                     | 36                     |
| 2575-04060        | 00000/0000                   | 2-20030/1565                 | 08/19/76         | 20             | 8010            | 5721N                        | 09322E        | 41.2         | 145.5        | GGGG                     |                      |                     |                      | 154                     | 20                     |
| 2575-04062        | 00000/0000                   | 2-20030/1566                 | 08/19/76         | 50             | 8010            | 5557N                        | 09231E        | 42.1         | 143.9        | GGGG                     |                      |                     |                      | 154                     | 21                     |
| 2575-04065        | 00000/0000                   | 2-20030/1567                 | 08/19/76         | 60             | 8010            | 5432N                        | 09144E        | 43.0         | 142.3        | GGGG                     |                      |                     |                      | 154                     | 22                     |
| 2575-04071        | 00000/0000                   | 2-20030/1568                 | 08/19/76         | 70             | 8010            | 5309N                        | 09059E        | 43.9         | 140.6        | GGGG                     |                      |                     |                      | 154                     | 23                     |
| 2575-04074        | 00000/0000                   | 2-20030/1569                 | 08/19/76         | 70             | 8010            | 5145N                        | 09017E        | 44.7         | 139.0        | GGGG                     |                      |                     |                      | 154                     | 24                     |
| 2575-04080        | 00000/0000                   | 2-20030/1570                 | 08/19/76         | 30             | 8010            | 5020N                        | 08936E        | 45.5         | 137.3        | GGGG                     |                      |                     |                      | 154                     | 25                     |
| 2575-04094        | 00000/0000                   | 2-20030/1571                 | 08/19/76         | 10             | 8010            | 4440N                        | 08711E        | 48.5         | 130.4        | GGGG                     |                      |                     |                      | 154                     | 29                     |
| 2575-04101        | 00000/0000                   | 2-20030/1572                 | 08/19/76         | 10             | 8010            | 4314N                        | 08639E        | 49.1         | 128.7        | GGGG                     |                      |                     |                      | 154                     | 30                     |
| 2575-05482        | 00000/0000                   | 2-20030/1573                 | 08/19/76         | 90             | 8011            | 6007N                        | 06929E        | 39.4         | 148.9        | GGGG                     |                      |                     |                      | 172                     | 18                     |
| 2575-05485        | 00000/0000                   | 2-20030/1574                 | 08/19/76         | 90             | 8011            | 5844N                        | 06831E        | 40.3         | 147.2        | GGGG                     |                      |                     |                      | 172                     | 19                     |
| 2575-05491        | 00000/0000                   | 2-20030/1575                 | 08/19/76         | 90             | 8011            | 5721N                        | 06736E        | 41.2         | 145.6        | GGGG                     |                      |                     |                      | 172                     | 20                     |
| 2575-05494        | 00000/0000                   | 2-20030/1576                 | 08/19/76         | 70             | 8011            | 5557N                        | 06645E        | 42.1         | 143.9        | GGGG                     |                      |                     |                      | 172                     | 21                     |
| 2575-05500        | 00000/0000                   | 2-20030/1577                 | 08/19/76         | 60             | 8011            | 5432N                        | 06557E        | 43.0         | 142.3        | GGGG                     |                      |                     |                      | 172                     | 22                     |
| 2575-05503        | 00000/0000                   | 2-20030/1578                 | 08/19/76         | 80             | 8011            | 5308N                        | 06512E        | 43.8         | 140.6        | GFGG                     |                      |                     |                      | 172                     | 23                     |
| 2575-05505        | 00000/0000                   | 2-20030/1579                 | 08/19/76         | 60             | 8011            | 5144N                        | 06429E        | 44.7         | 139.0        | GGGG                     |                      |                     |                      | 172                     | 24                     |
| 2575-05512        | 00000/0000                   | 2-20030/1580                 | 08/19/76         | 60             | 8011            | 5020N                        | 06349E        | 45.5         | 137.3        | GGGG                     |                      |                     |                      | 172                     | 25                     |
| 2575-07305        | 00000/0000                   | 2-20030/1456                 | 08/19/76         | 80             | 8012            | 6252N                        | 04559E        | 37.4         | 152.4        | GFGG                     |                      |                     |                      | 190                     | 16                     |
| 2575-07312        | 00000/0000                   | 2-20030/1457                 | 08/19/76         | 100            | 8012            | 6130N                        | 04450E        | 38.4         | 150.6        | FFFF                     |                      |                     |                      | 190                     | 17                     |
| 2575-07314        | 00000/0000                   | 2-20030/1458                 | 08/19/76         | 90             | 8012            | 6007N                        | 04347E        | 39.3         | 148.9        | FFFF                     |                      |                     |                      | 190                     | 18                     |
| 2575-07321        | 00000/0000                   | 2-20030/1459                 | 08/19/76         | 40             | 8012            | 5844N                        | 04248E        | 40.3         | 147.2        | GFGG                     |                      |                     |                      | 190                     | 19                     |
| 2575-07323        | 00000/0000                   | 2-20030/1460                 | 08/19/76         | 10             | 8012            | 5721N                        | 04153E        | 41.2         | 145.6        | GGGG                     |                      |                     |                      | 190                     | 20                     |
| 2575-07330        | 00000/0000                   | 2-20030/1461                 | 08/19/76         | 20             | 8012            | 5557N                        | 04102E        | 42.1         | 143.9        | GGGG                     |                      |                     |                      | 190                     | 21                     |
| 2575-07332        | 00000/0000                   | 2-20030/1462                 | 08/19/76         | 30             | 8012            | 5433N                        | 04014E        | 43.0         | 142.3        | GGGG                     |                      |                     |                      | 190                     | 22                     |
| 2575-07335        | 00000/0000                   | 2-20030/1463                 | 08/19/76         | 30             | 8012            | 5309N                        | 03928E        | 43.8         | 140.6        | GGGG                     |                      |                     |                      | 190                     | 23                     |
| 2575-07341        | 00000/0000                   | 2-20030/1464                 | 08/19/76         | 30             | 8012            | 5145N                        | 03845E        | 44.7         | 139.0        | FFGG                     |                      |                     |                      | 190                     | 24                     |
| 2575-07344        | 00000/0000                   | 2-20030/1465                 | 08/19/76         | 30             | 8012            | 5020N                        | 03805E        | 45.5         | 137.3        | FGGG                     |                      |                     |                      | 190                     | 25                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LAHMSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN. RBV<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2575-07350        | 00000/0000                   | 2-20030/1466                | 08/19/76         | 50             | 8012            | 4856N                                   | 03726E       | 46.3         | 135.7                              |                     |                      | 190                     | 26                     |
| 2575-07353        | 00000/0000                   | 2-20030/1467                | 08/19/76         | 90             | 8012            | 4731N                                   | 03649E       | 47.0         | 134.0                              | FGGG                |                      | 190                     | 27                     |
| 2575-07355        | 00000/0000                   | 2-20030/1468                | 08/19/76         | 80             | 8012            | 4605N                                   | 03613E       | 47.7         | 132.2                              | FFFF                |                      | 190                     | 28                     |
| 2575-07362        | 00000/0000                   | 2-20030/1469                | 08/19/76         | 50             | 8012            | 4440N                                   | 03540E       | 48.4         | 130.5                              | FFFF                |                      | 190                     | 29                     |
| 2575-13072        | 00000/0000                   | 2-20030/1470                | 08/19/76         | 30             | 8015            | 2846S                                   | 06103W       | 29.9         | 52.9                               | GGGG                |                      | 244                     | 80                     |
| 2575-13074        | 00000/0000                   | 2-20030/1471                | 08/19/76         | 30             | 8015            | 3012S                                   | 06127W       | 28.8         | 52.5                               | GGGG                |                      | 244                     | 81                     |
| 2575-13081        | 00000/0000                   | 2-20030/1472                | 08/19/76         | 20             | 8015            | 3138S                                   | 06152W       | 27.7         | 52.1                               | FFFF                |                      | 244                     | 82                     |
| 2575-13092        | 00000/0000                   | 2-20030/1473                | 08/19/76         | 10             | 8015            | 3555S                                   | 06309W       | 24.4         | 51.2                               | FFFF                |                      | 244                     | 83                     |
| 2575-13095        | 00000/0000                   | 2-20030/1474                | 08/19/76         | 10             | 8015            | 3721S                                   | 06337W       | 23.3         | 51.0                               | FFFF                |                      | 244                     | 84                     |
| 2575-13101        | 00000/0000                   | 2-20030/1475                | 08/19/76         | 0              | 8015            | 3847S                                   | 06405W       | 22.2         | 50.9                               | GGGG                |                      | 244                     | 85                     |
| 2575-14265        | 00000/0000                   | 2-20030/1412                | 08/19/76         | 90             | 8016            | 5310N                                   | 06352W       | 43.7         | 140.7                              | GGGG                |                      | 11                      | 29                     |
| 2575-14271        | 00000/0000                   | 2-20030/1413                | 08/19/76         | 20             | 8016            | 5146N                                   | 06435W       | 44.6         | 139.1                              | GGGG                |                      | 11                      | 24                     |
| 2575-14274        | 00000/0000                   | 2-20030/1414                | 08/19/76         | 10             | 8016            | 5021N                                   | 06516W       | 45.4         | 137.5                              | GGGG                |                      | 11                      | 25                     |
| 2575-14280        | 00000/0000                   | 2-20030/1415                | 08/19/76         | 10             | 8016            | 4856N                                   | 06555W       | 46.2         | 135.0                              | GGGG                |                      | 11                      | 26                     |
| 2575-14310        | 00000/0000                   | 2-20030/1416                | 08/19/76         | 70             | 8016            | 3859N                                   | 06943W       | 50.8         | 123.3                              | GGGG                |                      | 11                      | 33                     |
| 2575-14317        | 00000/0000                   | 2-20030/1417                | 08/19/76         | 50             | 8016            | 3733N                                   | 07012W       | 51.3         | 121.4                              | GGGG                |                      | 11                      | 34                     |
| 2575-14321        | 00000/0000                   | 2-20030/1418                | 08/19/76         | 50             | 8016            | 3607N                                   | 07039W       | 51.8         | 119.4                              | GGGG                |                      | 11                      | 35                     |
| 2575-14315        | 00000/0000                   | 2-20030/1419                | 08/19/76         | 40             | 8016            | 3440N                                   | 07106W       | 52.2         | 117.4                              | GGGG                |                      | 11                      | 36                     |
| 2575-16105        | 00000/0000                   | 2-20030/1420                | 08/19/76         | 40             | 8017            | 5023N                                   | 09107W       | 45.4         | 137.5                              | GGGG                |                      | 29                      | 25                     |
| 2575-16182        | 00000/0000                   | 2-20030/1451                | 08/19/76         | 90             | 8017            | 2438N                                   | 09944W       | 54.0         | 102.9                              | FFFF                |                      | 29                      | 43                     |
| 2575-17435        | 2-20031/0073                 | 00000/0000                  | 08/19/76         | 30             | 8018            | 8044W                                   | 05:09W       | 20.2         | 215.8                              | G G                 |                      | 34                      | 247                    |
| 2575-17441        | 2-20031/0074                 | 00000/0000                  | 08/19/76         | 10             | 8018            | 8015N                                   | 05027W       | 21.3         | 207.3                              | GGG                 |                      | 46                      | 1                      |
| 2575-17444        | 2-20031/0075                 | 00000/0000                  | 08/19/76         | 10             | 8018            | 7935N                                   | 06654W       | 22.4         | 199.7                              | GGG                 |                      | 46                      | 2                      |
| 2575-17450        | 2-20031/0076                 | 00000/0000                  | 08/19/76         | 10             | 8018            | 7846N                                   | 07325W       | 23.6         | 193.1                              | GGG                 |                      | 46                      | 3                      |
| 2575-17530        | 00000/0000                   | 2-20030/1452                | 08/19/76         | 80             | 8018            | 5435N                                   | 11444W       | 42.8         | 142.4                              | FGFF                |                      | 47                      | 22                     |
| 2575-17532        | 00000/0000                   | 2-20030/1453                | 08/19/76         | 80             | 8018            | 5310N                                   | 11529W       | 43.7         | 140.8                              | FFFF                |                      | 47                      | 23                     |
| 2575-17535        | 00000/0000                   | 2-20030/1454                | 08/19/76         | 90             | 8018            | 5146N                                   | 11612W       | 44.5         | 139.1                              | FFFF                |                      | 47                      | 24                     |
| 2575-17541        | 00000/0000                   | 2-20030/1455                | 08/19/76         | 90             | 8018            | 5022N                                   | 11652W       | 45.3         | 137.5                              | FFFF                |                      | 47                      | 25                     |
| 2575-19270        | 2-20031/0077                 | 00000/0000                  | 08/19/76         | 70             | 8019            | 8042N                                   | 07744W       | 20.3         | 215.1                              | GGG                 |                      | 52                      | 247                    |
| 2575-19273        | 2-20031/0078                 | 00000/0000                  | 08/19/76         | 90             | 8019            | 8012N                                   | 08602W       | 21.4         | 206.7                              | GGG                 |                      | 44                      | 1                      |
| 2575-21104        | 00000/0000                   | 2-20032/0307                | 08/19/76         | 90             | 8020            | 8015N                                   | 11106W       | 21.3         | 207.4                              | GGGG                |                      | 82                      | 1                      |
| 2575-21111        | 00000/0000                   | 2-20032/0308                | 08/19/76         | 50             | 8020            | 7935N                                   | 11833W       | 22.4         | 199.8                              | GGGG                |                      | 82                      | 2                      |
| 2575-21113        | 00000/0000                   | 2-20032/0309                | 08/19/76         | 80             | 8020            | 7846N                                   | 12502W       | 23.5         | 193.2                              | GGGG                |                      | 82                      | 3                      |
| 2575-21120        | 00000/0000                   | 2-20032/0310                | 08/19/76         | 80             | 8020            | 7740N                                   | 13037W       | 24.6         | 187.4                              | GGGG                |                      | 82                      | 4                      |
| 2575-21125        | 00000/0000                   | 2-20032/0311                | 08/19/76         | 50             | 8020            | 7543N                                   | 13929W       | 26.8         | 178.0                              | GGGG                |                      | 83                      | 6                      |
| 2575-21131        | 00000/0000                   | 2-20032/0312                | 08/19/76         | 60             | 8020            | 7433N                                   | 14259W       | 27.9         | 174.2                              | PPPP                |                      | 83                      | 7                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

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OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RSLT<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                              |                             |                  |                |                 |                              |               |              |              | 123 45678             |                     |                      |                         |                        |
| 2575-23290        | 00000/0000                   | 2-20030/1476                | 08/19/76         | 50             | 8021            | 3558S                        | 14156E        | 24.5         | 51.3         | FGF0                  |                     |                      | 101                     | 85                     |
| 2576-01103        | 00000/0000                   | 2-20030/1477                | 08/20/76         | 80             | 8022            | 3015S                        | 11747E        | 28.9         | 52.6         | GGGG                  |                     |                      | 119                     | 81                     |
| 2576-01110        | 00000/0000                   | 2-20030/1478                | 08/20/76         | 80             | 8022            | 3141S                        | 11723E        | 27.8         | 52.2         | GGGG                  |                     |                      | 119                     | 82                     |
| 2576-02301        | 00000/0000                   | 2-20030/1522                | 08/20/76         | 30             | 8023            | 5144N                        | 11441E        | 44.5         | 139.2        | GGGG                  |                     |                      | 137                     | 24                     |
| 2576-02303        | 00000/0000                   | 2-20030/1523                | 08/20/76         | 30             | 8023            | 5020N                        | 11400E        | 45.3         | 137.5        | GGF0                  |                     |                      | 137                     | 25                     |
| 2576-02330        | 00000/0000                   | 2-20030/1524                | 08/20/76         | 80             | 8023            | 4148N                        | 11033E        | 49.6         | 127.2        | FGF0                  |                     |                      | 137                     | 31                     |
| 2576-02333        | 00000/0000                   | 2-20030/1525                | 08/20/76         | 100            | 8023            | 4023N                        | 11003E        | 50.2         | 125.3        | FGGF                  |                     |                      | 137                     | 32                     |
| 2576-02335        | 00000/0000                   | 2-20030/1526                | 08/20/76         | 100            | 8023            | 3857N                        | 10933E        | 50.7         | 123.4        | FGGF                  |                     |                      | 137                     | 33                     |
| 2576-02342        | 00000/0000                   | 2-20030/1527                | 08/20/76         | 100            | 8023            | 3731N                        | 10904E        | 51.2         | 121.5        | FGGG                  |                     |                      | 137                     | 34                     |
| 2576-02344        | 00000/0000                   | 2-20030/1528                | 08/20/76         | 100            | 8023            | 3606N                        | 10837E        | 51.7         | 119.6        | FGFF                  |                     |                      | 137                     | 35                     |
| 2576-02351        | 00000/0000                   | 2-20030/1529                | 08/20/76         | 90             | 8023            | 3440N                        | 10810E        | 52.2         | 117.6        | FFGG                  |                     |                      | 137                     | 36                     |
| 2576-02353        | 00000/0000                   | 2-20030/1530                | 08/20/76         | 70             | 8023            | 3315N                        | 10744E        | 52.6         | 115.6        | FGGG                  |                     |                      | 137                     | 37                     |
| 2576-04112        | 00000/0000                   | 2-20030/1531                | 08/20/76         | 70             | 8024            | 5843N                        | 09248E        | 40.0         | 147.4        | FGGG                  |                     |                      | 155                     | 19                     |
| 2576-04114        | 00000/0000                   | 2-20030/1532                | 08/20/76         | 50             | 8024            | 5720N                        | 09154E        | 40.9         | 145.7        | FGGG                  |                     |                      | 155                     | 20                     |
| 2576-04121        | 00000/0000                   | 2-20030/1533                | 08/20/76         | 10             | 8024            | 5556N                        | 09103E        | 41.8         | 144.1        | FGGG                  |                     |                      | 155                     | 21                     |
| 2576-04123        | 00000/0000                   | 2-20030/1534                | 08/20/76         | 10             | 8024            | 5432N                        | 09015E        | 42.7         | 142.5        | GGGG                  |                     |                      | 155                     | 22                     |
| 2576-04130        | 00000/0000                   | 2-20030/1535                | 08/20/76         | 10             | 8024            | 5307N                        | 08931E        | 43.6         | 140.8        | GGGG                  |                     |                      | 155                     | 23                     |
| 2576-04132        | 00000/0000                   | 2-20030/1536                | 08/20/76         | 20             | 8024            | 5143N                        | 08848E        | 44.4         | 139.2        | GGGG                  |                     |                      | 155                     | 24                     |
| 2576-05541        | 00000/0000                   | 2-20030/1537                | 08/20/76         | 90             | 8025            | 6009N                        | 06802E        | 39.0         | 149.1        | FGGG                  |                     |                      | 173                     | 18                     |
| 2576-05543        | 00000/0000                   | 2-20030/1538                | 08/20/76         | 40             | 8025            | 5846N                        | 06704E        | 40.0         | 147.4        | FGGG                  |                     |                      | 173                     | 19                     |
| 2576-05550        | 00000/0000                   | 2-20030/1539                | 08/20/76         | 20             | 8025            | 5723N                        | 06610E        | 40.9         | 145.8        | FGGG                  |                     |                      | 173                     | 20                     |
| 2576-05552        | 00000/0000                   | 2-20030/1540                | 08/20/76         | 20             | 8025            | 5559N                        | 06518E        | 41.8         | 144.2        | FGGG                  |                     |                      | 173                     | 21                     |
| 2576-05555        | 00000/0000                   | 2-20030/1541                | 08/20/76         | 20             | 8025            | 5435N                        | 06431E        | 42.7         | 142.5        | FGGG                  |                     |                      | 173                     | 22                     |
| 2576-05561        | 00000/0000                   | 2-20030/1542                | 08/20/76         | 30             | 8025            | 5311N                        | 06346E        | 43.5         | 140.9        | GGGG                  |                     |                      | 173                     | 23                     |
| 2576-05564        | 00000/0000                   | 2-20030/1543                | 08/20/76         | 30             | 8025            | 5146N                        | 06303E        | 44.4         | 139.3        | FGGG                  |                     |                      | 173                     | 24                     |
| 2576-05570        | 00000/0000                   | 2-20030/1544                | 08/20/76         | 10             | 8025            | 5022N                        | 06222E        | 45.2         | 137.6        | GGGG                  |                     |                      | 173                     | 25                     |
| 2576-07343        | 00000/0000                   | 2-20032/0050                | 08/20/76         | 90             | 8026            | 6254N                        | 04424E        | 37.1         | 152.6        | G                     |                     |                      | 191                     | 14                     |
| 2576-07370        | 00000/0000                   | 2-20032/0051                | 08/20/76         | 70             | 8026            | 6131N                        | 04316E        | 38.0         | 150.6        | GGGG                  |                     |                      | 191                     | 17                     |
| 2576-07372        | 00000/0000                   | 2-20032/0052                | 08/20/76         | 50             | 8026            | 6008N                        | 04213E        | 39.0         | 149.1        | GGGG                  |                     |                      | 191                     | 18                     |
| 2576-07375        | 00000/0000                   | 2-20032/0053                | 08/20/76         | 30             | 8026            | 5845N                        | 04115E        | 39.9         | 147.5        | GGGG                  |                     |                      | 191                     | 19                     |
| 2576-07381        | 00000/0000                   | 2-20032/0054                | 08/20/76         | 10             | 8026            | 5722N                        | 04020E        | 40.9         | 145.8        | GGGG                  |                     |                      | 191                     | 20                     |
| 2576-07384        | 00000/0000                   | 2-20032/0055                | 08/20/76         | 60             | 8026            | 5558N                        | 03929E        | 41.8         | 144.2        | GGGG                  |                     |                      | 191                     | 21                     |
| 2576-07390        | 00000/0000                   | 2-20032/0056                | 08/20/76         | 90             | 8026            | 5434N                        | 03841E        | 42.7         | 142.6        | GGGG                  |                     |                      | 191                     | 22                     |
| 2576-07393        | 00000/0000                   | 2-20032/0057                | 08/20/76         | 70             | 8026            | 5310N                        | 03756E        | 43.5         | 140.9        | GGGG                  |                     |                      | 191                     | 23                     |
| 2576-07395        | 00000/0000                   | 2-20032/0058                | 08/20/76         | 70             | 8026            | 5146N                        | 03713E        | 44.4         | 139.3        | GGGG                  |                     |                      | 191                     | 24                     |
| 2576-07402        | 00000/0000                   | 2-20032/0059                | 08/20/76         | 80             | 8026            | 5021N                        | 03633E        | 45.2         | 137.7        | GGGG                  |                     |                      | 191                     | 25                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 29, 1977

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OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI NO./<br>POSITION IN RELI<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA MODE | MSS<br>IMAGE GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|-------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|------------------|-------------------|-------------------------|------------------------|
| 2576-07404        | 00000/0000                                     | 2-20032/0060 | 08/20/76         | 90          | 8026            | 4846N                              | 03554E                              | 46.0         | 136.0        | GGGG                  |                  |                   | 191                     | 26                     |
| 2576-07411        | 00000/0000                                     | 2-20032/0061 | 08/20/76         | 80          | 8026            | 4732N                              | 03518E                              | 46.7         | 134.3        | GGGG                  |                  |                   | 191                     | 27                     |
| 2576-07413        | 00000/0000                                     | 2-20032/0062 | 08/20/76         | 40          | 8026            | 4607N                              | 03442E                              | 47.5         | 132.6        | GGGG                  |                  |                   | 191                     | 28                     |
| 2576-07420        | 00000/0000                                     | 2-20032/0063 | 08/20/76         | 30          | 8026            | 4441N                              | 03408E                              | 48.2         | 130.9        | GGGG                  |                  |                   | 191                     | 29                     |
| 2576-13142        | 00000/0000                                     | 2-20032/0064 | 08/20/76         | 0           | 8029            | 3305S                              | 06344W                              | 26.9         | 52.0         | FFFF                  |                  |                   | 245                     | 83                     |
| 2576-14312        | 00000/0000                                     | 2-20032/0049 | 08/20/76         | 100         | 8030            | 5721N                              | 06254W                              | 40.8         | 145.8        | 0                     |                  |                   | 12                      | 20                     |
| 2576-14314        | 00000/0000                                     | 2-20032/0039 | 08/20/76         | 90          | 8030            | 5557N                              | 06346W                              | 41.7         | 144.2        | GGGG                  |                  |                   | 12                      | 21                     |
| 2576-14321        | 00000/0000                                     | 2-20032/0040 | 08/20/76         | 40          | 8030            | 5433N                              | 06434W                              | 42.6         | 142.6        | GGGG                  |                  |                   | 12                      | 22                     |
| 2576-14323        | 00000/0000                                     | 2-20032/0041 | 08/20/76         | 10          | 8030            | 5309N                              | 06519W                              | 43.5         | 141.0        | GGGG                  |                  |                   | 12                      | 23                     |
| 2576-14330        | 00000/0000                                     | 2-20032/0042 | 08/20/76         | 40          | 8030            | 5145N                              | 06602W                              | 44.3         | 139.3        | GGGG                  |                  |                   | 12                      | 24                     |
| 2576-14332        | 00000/0000                                     | 2-20032/0043 | 08/20/76         | 10          | 8030            | 5020N                              | 06642W                              | 45.1         | 137.7        | GGGG                  |                  |                   | 12                      | 25                     |
| 2576-14335        | 00000/0000                                     | 2-20032/0044 | 08/20/76         | 20          | 8030            | 4855N                              | 06721W                              | 45.9         | 136.0        | GGGG                  |                  |                   | 12                      | 26                     |
| 2576-14380        | 00000/0000                                     | 2-20032/0045 | 08/20/76         | 60          | 8030            | 3440N                              | 07231W                              | 52.1         | 117.9        | GGGG                  |                  |                   | 12                      | 26                     |
| 2576-14382        | 00000/0000                                     | 2-20032/0046 | 08/20/76         | 90          | 8030            | 3314N                              | 07257W                              | 52.5         | 115.9        | GGGG                  |                  |                   | 12                      | 26                     |
| 2576-14385        | 00000/0000                                     | 2-20032/0047 | 08/20/76         | 90          | 8030            | 3147N                              | 07323W                              | 52.8         | 113.8        | GGGG                  |                  |                   | 12                      | 26                     |
| 2576-16161        | 00000/0000                                     | 2-20032/0038 | 08/20/76         | 90          | 8031            | 5145N                              | 09152W                              | 44.3         | 139.4        | GGGG                  |                  |                   | 30                      | 24                     |
| 2576-16164        | 00000/0000                                     | 2-20032/0048 | 08/20/76         | 50          | 8031            | 5020N                              | 09232W                              | 45.1         | 137.7        | GGGG                  |                  |                   | 30                      | 25                     |
| 2576-17493        | 2-20033/0023                                   | 00000/0000   | 08/20/76         | 100         | 8032            | 8044N                              | 05308W                              | 19.9         | 215.4        | GGG                   |                  |                   | 35                      | 247                    |
| 2576-17495        | 2-20033/0024                                   | 00000/0000   | 08/20/76         | 90          | 8032            | 8013N                              | 06125W                              | 21.0         | 206.9        | FFF                   |                  |                   | 47                      | 1                      |
| 2576-17502        | 2-20033/0025                                   | 00000/0000   | 08/20/76         | 90          | 8032            | 7932N                              | 06848W                              | 22.2         | 199.4        | GGG                   |                  |                   | 47                      | 2                      |
| 2576-17504        | 2-20033/0026                                   | 00000/0000   | 08/20/76         | 90          | 8032            | 7843N                              | 07513W                              | 23.3         | 192.8        | GGG                   |                  |                   | 48                      | 3                      |
| 2576-17511        | 2-20033/0027                                   | 00000/0000   | 08/20/76         | 100         | 8032            | 7747N                              | 08044W                              | 24.4         | 187.1        | GGG                   |                  |                   | 48                      | 4                      |
| 2576-17593        | 00000/0000                                     | 2-20032/0186 | 08/20/76         | 90          | 8032            | 5144N                              | 11742W                              | 44.3         | 139.4        | GGGG                  |                  |                   | 48                      | 24                     |
| 2576-17595        | 00000/0000                                     | 2-20032/0187 | 08/20/76         | 90          | 8032            | 5020N                              | 11822W                              | 45.1         | 137.7        | GGGG                  |                  |                   | 48                      | 25                     |
| 2576-19325        | 2-20033/0028                                   | 00000/0000   | 08/20/76         | 90          | 8033            | 8044N                              | 07851W                              | 19.9         | 215.3        | FGG                   |                  |                   | 53                      | 247                    |
| 2576-19331        | 2-20033/0029                                   | 00000/0000   | 08/20/76         | 90          | 8033            | 8013N                              | 08708W                              | 21.0         | 206.9        | GGG                   |                  |                   | 53                      | 1                      |
| 2576-21163        | 00000/0000                                     | 2-20030/1794 | 08/20/76         | 100         | 8034            | 8014N                              | 11237W                              | 20.9         | 207.3        | GGGG                  |                  |                   | 83                      | 1                      |
| 2576-21165        | 00000/0000                                     | 2-20030/1795 | 08/20/76         | 100         | 8034            | 7933N                              | 12003W                              | 22.1         | 199.8        | GGGG                  |                  |                   | 83                      | 2                      |
| 2576-21172        | 00000/0000                                     | 2-20030/1796 | 08/20/76         | 100         | 8034            | 7844N                              | 12630W                              | 23.2         | 193.1        | GGGG                  |                  |                   | 83                      | 3                      |
| 2576-21174        | 00000/0000                                     | 2-20030/1797 | 08/20/76         | 100         | 8034            | 7748N                              | 13204W                              | 24.3         | 187.3        | GGGG                  |                  |                   | 84                      | 4                      |
| 2576-21181        | 00000/0000                                     | 2-20030/1798 | 08/20/76         | 100         | 8034            | 7647N                              | 13650W                              | 25.4         | 182.3        | GGGG                  |                  |                   | 84                      | 5                      |
| 2576-21183        | 00000/0000                                     | 2-20030/1799 | 08/20/76         | 100         | 8034            | 7542N                              | 14056W                              | 26.5         | 178.0        | GGGG                  |                  |                   | 84                      | 6                      |
| 2576-21190        | 00000/0000                                     | 2-20030/1800 | 08/20/76         | 100         | 8034            | 7433N                              | 14427W                              | 27.6         | 174.2        | GGGG                  |                  |                   | 84                      | 7                      |
| 2576-21192        | 00000/0000                                     | 2-20030/1801 | 08/20/76         | 100         | 8034            | 7320N                              | 14730W                              | 28.7         | 170.8        | GGGG                  |                  |                   | 84                      | 8                      |
| 2576-21195        | 00000/0000                                     | 2-20030/1802 | 08/20/76         | 100         | 8034            | 7206N                              | 15009W                              | 29.7         | 167.8        | GGGG                  |                  |                   | 84                      | 9                      |
| 2577-01044        | 00000/0000                                     | 2-20032/0065 | 08/21/76         | 90          | 8036            | 1011N                              | 12610E                              | 52.3         | 83.3         | GGGF                  |                  |                   | 120                     | 53                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=RW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LRNG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2577-01050        | 00000/0000                   | 2-20032/0066                | 08/21/76         | 90             | 8036            | 0845N                        | 12550E        | 51.9         | 81.5         | GGGG                               |                     |                      | 120                     | 54                     |
| 2577-01053        | 00000/0000                   | 2-20032/0067                | 08/21/76         | 90             | 8036            | 0718N                        | 12530E        | 51.4         | 79.7         | GGGG                               |                     |                      | 120                     | 55                     |
| 2577-02352        | 00000/0000                   | 2-20032/0068                | 08/21/76         | 70             | 8037            | 5310N                        | 11358E        | 43.3         | 141.1        | GGGG                               |                     |                      | 138                     | 23                     |
| 2577-02355        | 00000/0000                   | 2-20032/0069                | 08/21/76         | 30             | 8037            | 5146N                        | 11315E        | 44.1         | 139.5        | GGGG                               |                     |                      | 138                     | 24                     |
| 2577-02361        | 00000/0000                   | 2-20032/0070                | 08/21/76         | 10             | 8037            | 5022N                        | 11233E        | 45.0         | 137.9        | GGGG                               |                     |                      | 138                     | 25                     |
| 2577-02364        | 00000/0000                   | 2-20032/0071                | 08/21/76         | 10             | 8037            | 4858N                        | 11154E        | 45.8         | 136.2        | GGGG                               |                     |                      | 138                     | 26                     |
| 2577-02384        | 00000/0000                   | 2-20032/0072                | 08/21/76         | 10             | 8037            | 4151N                        | 10907E        | 49.3         | 127.6        | GGGG                               |                     |                      | 138                     | 31                     |
| 2577-02391        | 00000/0000                   | 2-20032/0073                | 08/21/76         | 10             | 8037            | 4025N                        | 10838E        | 49.9         | 125.8        | GGGG                               |                     |                      | 138                     | 32                     |
| 2577-02393        | 00000/0000                   | 2-20030/1621                | 08/21/76         | 10             | 8037            | 3900N                        | 10809E        | 50.5         | 123.9        | GGGG                               |                     |                      | 138                     | 33                     |
| 2577-02400        | 00000/0000                   | 2-20030/1622                | 08/21/76         | 30             | 8037            | 3734N                        | 10740E        | 51.0         | 122.0        | GGGG                               |                     |                      | 138                     | 34                     |
| 2577-02402        | 00000/0000                   | 2-20030/1623                | 08/21/76         | 90             | 8037            | 3608N                        | 10712E        | 51.5         | 120.1        | FGGG                               |                     |                      | 138                     | 35                     |
| 2577-02405        | 00000/0000                   | 2-20030/1624                | 08/21/76         | 100            | 8037            | 3442N                        | 10645E        | 52.0         | 118.1        | FGGG                               |                     |                      | 138                     | 36                     |
| 2577-02411        | 00000/0000                   | 2-20030/1625                | 08/21/76         | 100            | 8037            | 3316N                        | 10618E        | 52.4         | 116.1        | FGGG                               |                     |                      | 138                     | 37                     |
| 2577-04170        | 00000/0000                   | 2-20030/1626                | 08/21/76         | 50             | 8038            | 5846N                        | 09125E        | 39.7         | 147.6        | GGGG                               |                     |                      | 156                     | 19                     |
| 2577-04172        | 00000/0000                   | 2-20030/1627                | 08/21/76         | 30             | 8038            | 5722N                        | 09030E        | 40.6         | 146.0        | GGGG                               |                     |                      | 156                     | 20                     |
| 2577-04175        | 00000/0000                   | 2-20030/1628                | 08/21/76         | 10             | 8038            | 5558N                        | 08939E        | 41.5         | 144.3        | GGGG                               |                     |                      | 156                     | 21                     |
| 2577-04181        | 00000/0000                   | 2-20030/1629                | 08/21/76         | 10             | 8038            | 5434N                        | 08851E        | 42.4         | 142.7        | GGGG                               |                     |                      | 156                     | 22                     |
| 2577-04184        | 00000/0000                   | 2-20030/1630                | 08/21/76         | 10             | 8038            | 5309N                        | 08806E        | 43.3         | 141.1        | FGGG                               |                     |                      | 156                     | 23                     |
| 2577-06001        | 00000/0000                   | 2-20030/1631                | 08/21/76         | 80             | 8039            | 5845N                        | 06538E        | 39.7         | 147.6        | GGGG                               |                     |                      | 174                     | 19                     |
| 2577-06004        | 00000/0000                   | 2-20030/1632                | 08/21/76         | 70             | 8039            | 5721N                        | 06444E        | 40.6         | 146.0        | GGGG                               |                     |                      | 174                     | 20                     |
| 2577-06010        | 00000/0000                   | 2-20030/1633                | 08/21/76         | 20             | 8039            | 5557N                        | 06353E        | 41.5         | 144.4        | GGGG                               |                     |                      | 174                     | 21                     |
| 2577-06013        | 00000/0000                   | 2-20030/1634                | 08/21/76         | 10             | 8039            | 5433N                        | 06305E        | 42.4         | 142.8        | GGGG                               |                     |                      | 174                     | 22                     |
| 2577-06015        | 00000/0000                   | 2-20030/1635                | 08/21/76         | 10             | 8039            | 5309N                        | 06220E        | 43.3         | 141.1        | GGGG                               |                     |                      | 174                     | 23                     |
| 2577-06022        | 00000/0000                   | 2-20030/1636                | 08/21/76         | 10             | 8039            | 5145N                        | 06137E        | 44.1         | 139.5        | GGGG                               |                     |                      | 174                     | 24                     |
| 2577-06024        | 00000/0000                   | 2-20030/1637                | 08/21/76         | 10             | 8039            | 5021N                        | 06056E        | 44.9         | 137.9        | GGGG                               |                     |                      | 174                     | 25                     |
| 2577-06063        | 00000/0000                   | 2-20030/1638                | 08/21/76         | 0              | 8039            | 3733N                        | 05601E        | 51.0         | 122.1        | GGGG                               |                     |                      | 174                     | 34                     |
| 2577-06065        | 00000/0000                   | 2-20030/1639                | 08/21/76         | 0              | 8039            | 3607N                        | 05534E        | 51.5         | 120.1        | GGGG                               |                     |                      | 174                     | 35                     |
| 2577-06072        | 00000/0000                   | 2-20030/1640                | 08/21/76         | 0              | 8039            | 3441N                        | 05507E        | 51.9         | 118.2        | GGGG                               |                     |                      | 174                     | 36                     |
| 2577-06092        | 00000/0000                   | 2-20030/1641                | 08/21/76         | 10             | 8039            | 2730N                        | 05303E        | 53.5         | 108.0        | FGGG                               |                     |                      | 174                     | 41                     |
| 2577-07424        | 00000/0000                   | 2-20030/1666                | 08/21/76         | 80             | 8040            | 6131N                        | 04150E        | 37.8         | 151.0        | GGGG                               |                     |                      | 192                     | 17                     |
| 2577-07431        | 00000/0000                   | 2-20030/1667                | 08/21/76         | 80             | 8040            | 6008N                        | 04047E        | 38.7         | 149.3        | GGGG                               |                     |                      | 192                     | 18                     |
| 2577-07433        | 00000/0000                   | 2-20030/1668                | 08/21/76         | 70             | 8040            | 5845N                        | 03948E        | 39.7         | 147.6        | GGGG                               |                     |                      | 192                     | 19                     |
| 2577-07440        | 00000/0000                   | 2-20030/1669                | 08/21/76         | 70             | 8040            | 5721N                        | 03853E        | 40.6         | 146.0        | GGGG                               |                     |                      | 192                     | 20                     |
| 2577-07442        | 00000/0000                   | 2-20030/1670                | 08/21/76         | 80             | 8040            | 5558N                        | 03802E        | 41.5         | 144.4        | GGGG                               |                     |                      | 192                     | 21                     |
| 2577-07445        | 00000/0000                   | 2-20030/1671                | 08/21/76         | 90             | 8040            | 5434N                        | 03714E        | 42.4         | 142.8        | GGGG                               |                     |                      | 192                     | 22                     |
| 2577-07451        | 00000/0000                   | 2-20030/1672                | 08/21/76         | 90             | 8040            | 5309N                        | 03629E        | 43.3         | 141.2        | GGGG                               |                     |                      | 192                     | 23                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>REV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2577-07454        | 00000/0000                   | 2-20030/1673               | 08/21/76         | 70             | 8040            | 5145N                        | 03546E        | 44.1         | 139.5        | GGGF                               |                     |                      | 192                     | 24                     |
| 2577-07460        | 00000/0000                   | 2-20030/1674               | 08/21/76         | 50             | 8040            | 5020N                        | 03506E        | 44.9         | 137.9        | GGGG                               |                     |                      | 192                     | 25                     |
| 2577-07463        | 00000/0000                   | 2-20030/1675               | 08/21/76         | 50             | 8040            | 4855N                        | 03427E        | 45.7         | 136.3        | GGGG                               |                     |                      | 192                     | 26                     |
| 2577-07465        | 00000/0000                   | 2-20030/1676               | 08/21/76         | 80             | 8040            | 4731N                        | 03351E        | 46.5         | 134.6        | GGGG                               |                     |                      | 192                     | 27                     |
| 2577-07472        | 00000/0000                   | 2-20030/1677               | 08/21/76         | 70             | 8040            | 4605N                        | 03315E        | 47.2         | 132.9        | GGGG                               |                     |                      | 192                     | 28                     |
| 2577-13200        | 00000/0000                   | 2-20030/1678               | 08/21/76         | 0              | 8043            | 3304S                        | 06509W        | 27.2         | 52.2         | FFFF                               |                     |                      | 246                     | 29                     |
| 2577-14393        | 00000/0000                   | 2-20030/1661               | 08/21/76         | 10             | 8044            | 4867N                        | 06845W        | 45.6         | 136.4        | FGFG                               |                     |                      | 13                      | 26                     |
| 2577-14445        | 00000/0000                   | 2-20030/1662               | 08/21/76         | 90             | 8044            | 3025N                        | 07512W        | 53.0         | 112.3        | FGFF                               |                     |                      | 13                      | 39                     |
| 2577-14452        | 00000/0000                   | 2-20030/1663               | 08/21/76         | 50             | 8044            | 2858N                        | 07536W        | 53.3         | 110.3        | FGFB                               |                     |                      | 13                      | 40                     |
| 2577-14454        | 00000/0000                   | 2-20030/1664               | 08/21/76         | 10             | 8044            | 2732N                        | 07400W        | 53.5         | 108.2        | GGGG                               |                     |                      | 13                      | 41                     |
| 2577-16222        | 00000/0000                   | 2-20030/1665               | 08/21/76         | 10             | 8045            | 5022N                        | 09357W        | 44.8         | 138.0        | G GG                               |                     |                      | 31                      | 26                     |
| 2577-17551        | 2-20033/0030                 | 00000/0000                 | 08/21/76         | 90             | 8046            | 8044N                        | 05413W        | 19.5         | 215.6        | GGG                                |                     |                      | 36                      | 247                    |
| 2577-17554        | 2-20033/0031                 | 00000/0000                 | 08/21/76         | 90             | 8046            | 8014N                        | 06235W        | 20.7         | 207.2        | GGG                                |                     |                      | 48                      | 1                      |
| 2577-17560        | 2-20033/0032                 | 00000/0000                 | 08/21/76         | 60             | 8046            | 7935N                        | 07001W        | 21.8         | 199.7        | GGG                                |                     |                      | 48                      | 2                      |
| 2577-17563        | 2-20033/0033                 | 00000/0000                 | 08/21/76         | 30             | 8046            | 7845N                        | 07631W        | 22.9         | 193.0        | GGG                                |                     |                      | 49                      | 3                      |
| 2577-17565        | 2-20033/0034                 | 00000/0000                 | 08/21/76         | 80             | 8046            | 7749N                        | 08206W        | 24.0         | 187.3        | GGG                                |                     |                      | 49                      | 4                      |
| 2577-18033        | 00000/0000                   | 2-20030/1702               | 08/21/76         | 70             | 8046            | 5723N                        | 11600W        | 40.4         | 146.1        | GGGG                               |                     |                      | 49                      | 20                     |
| 2577-18040        | 00000/0000                   | 2-20030/1703               | 08/21/76         | 40             | 8046            | 5569N                        | 11651W        | 41.3         | 144.5        | GGGG                               |                     |                      | 49                      | 21                     |
| 2577-18042        | 00000/0000                   | 2-20030/1704               | 08/21/76         | 30             | 8046            | 5435N                        | 11738W        | 42.2         | 142.9        | GGGF                               |                     |                      | 49                      | 22                     |
| 2577-18045        | 00000/0000                   | 2-20030/1705               | 08/21/76         | 70             | 8046            | 5311N                        | 11823W        | 43.1         | 141.3        | GGGF                               |                     |                      | 49                      | 23                     |
| 2577-18051        | 00000/0000                   | 2-20030/1706               | 08/21/76         | 70             | 8046            | 5147N                        | 11906W        | 44.0         | 139.7        | GFGF                               |                     |                      | 49                      | 24                     |
| 2577-18054        | 00000/0000                   | 2-20030/1707               | 08/21/76         | 60             | 8046            | 5022N                        | 11946W        | 44.8         | 138.1        | GGGG                               |                     |                      | 49                      | 25                     |
| 2577-19383        | 2-20033/0035                 | 00000/0000                 | 08/21/76         | 70             | 8047            | 8045N                        | 08007W        | 19.5         | 215.6        | GGG                                |                     |                      | 54                      | 247                    |
| 2577-19385        | 2-20033/0036                 | 00000/0000                 | 08/21/76         | 90             | 8047            | 8015N                        | 08828W        | 20.7         | 207.2        | GGG                                |                     |                      | 66                      | 1                      |
| 2578-01084        | 00000/0000                   | 2-20030/1679               | 08/22/76         | 90             | 8050            | 1566N                        | 12607E        | 53.5         | 91.7         | GGGG                               |                     |                      | 121                     | 49                     |
| 2578-01090        | 00000/0000                   | 2-20030/1680               | 08/22/76         | 100            | 8050            | 1430N                        | 12546E        | 53.3         | 89.6         | GGGG                               |                     |                      | 121                     | 50                     |
| 2578-01093        | 00000/0000                   | 2-20030/1681               | 08/22/76         | 100            | 8050            | 1323N                        | 12525E        | 53.0         | 87.7         | GGGG                               |                     |                      | 121                     | 51                     |
| 2578-01095        | 00000/0000                   | 2-20030/1682               | 08/22/76         | 90             | 8050            | 1137N                        | 12504E        | 52.7         | 85.7         | GGGG                               |                     |                      | 121                     | 52                     |
| 2578-01102        | 00000/0000                   | 2-20030/1683               | 08/22/76         | 70             | 8050            | 1010N                        | 12444E        | 52.3         | 83.8         | GGGG                               |                     |                      | 121                     | 53                     |
| 2578-01104        | 00000/0000                   | 2-20030/1684               | 08/22/76         | 70             | 8050            | 0843N                        | 12423E        | 51.9         | 82.0         | GGGG                               |                     |                      | 121                     | 54                     |
| 2578-01111        | 00000/0000                   | 2-20030/1685               | 08/22/76         | 60             | 8050            | 0717N                        | 12403E        | 51.5         | 80.2         | GGGG                               |                     |                      | 121                     | 55                     |
| 2578-02404        | 00000/0000                   | 2-20030/1686               | 08/22/76         | 80             | 8051            | 5434N                        | 11315E        | 42.2         | 142.9        | GGGG                               |                     |                      | 139                     | 22                     |
| 2578-02411        | 00000/0000                   | 2-20030/1687               | 08/22/76         | 40             | 8051            | 5310N                        | 11230E        | 43.0         | 141.3        | GFGG                               |                     |                      | 139                     | 23                     |
| 2578-02413        | 00000/0000                   | 2-20030/1688               | 08/22/76         | 0              | 8051            | 5145N                        | 11148E        | 43.9         | 139.7        | GGGG                               |                     |                      | 139                     | 24                     |
| 2578-02420        | 00000/0000                   | 2-20030/1689               | 08/22/76         | 10             | 8051            | 5020N                        | 11108E        | 44.7         | 138.1        | GGGG                               |                     |                      | 139                     | 25                     |
| 2578-02443        | 00000/0000                   | 2-20030/1690               | 08/22/76         | 20             | 8051            | 4150N                        | 10742E        | 49.1         | 127.9        | GGGG                               |                     |                      | 139                     | 31                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. F=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2578-02445        | 00000/0000                   | 2-20030/1691                | 08/22/76         | 20             | 8051            | 4025N                        | 10711E        | 49.7         | 126.1        | GGGG                               |                     |                      | 139                     | 32                     |
| 2578-02452        | 00000/0000                   | 2-20030/1692                | 08/22/76         | 70             | 8051            | 3859N                        | 10641E        | 50.3         | 124.3        | GGGG                               |                     |                      | 139                     | 33                     |
| 2578-02454        | 00000/0000                   | 2-20030/1693                | 08/22/76         | 80             | 8051            | 3733N                        | 10613E        | 50.8         | 122.4        | GGGG                               |                     |                      | 139                     | 34                     |
| 2578-02461        | 00000/0000                   | 2-20030/1694                | 08/22/76         | 90             | 8051            | 3607N                        | 10546E        | 51.3         | 120.5        | GGGG                               |                     |                      | 139                     | 35                     |
| 2578-04224        | 00000/0000                   | 2-20030/1695                | 08/22/76         | 40             | 8052            | 5844N                        | 08958E        | 39.4         | 147.8        | GGGG                               |                     |                      | 157                     | 19                     |
| 2578-04231        | 00000/0000                   | 2-20030/1696                | 08/22/76         | 10             | 8052            | 5720N                        | 08904E        | 40.3         | 146.1        | GGGG                               |                     |                      | 157                     | 20                     |
| 2578-04233        | 00000/0000                   | 2-20030/1697                | 08/22/76         | 20             | 8052            | 5557N                        | 08813E        | 41.2         | 144.5        | GGGG                               |                     |                      | 157                     | 21                     |
| 2578-04240        | 00000/0000                   | 2-20030/1698                | 08/22/76         | 70             | 8052            | 5433N                        | 08725E        | 42.1         | 142.9        | GGG                                |                     |                      | 157                     | 22                     |
| 2578-04242        | 00000/0000                   | 2-20030/1699                | 08/22/76         | 50             | 8052            | 5309N                        | 08640E        | 43.0         | 141.3        | GGGG                               |                     |                      | 157                     | 23                     |
| 2578-04245        | 00000/0000                   | 2-20030/1700                | 08/22/76         | 50             | 8052            | 5144N                        | 08557E        | 43.9         | 139.7        | GGGG                               |                     |                      | 157                     | 24                     |
| 2578-04251        | 00000/0000                   | 2-20030/1701                | 08/22/76         | 40             | 8052            | 5020N                        | 08517E        | 44.7         | 138.1        | GGGG                               |                     |                      | 157                     | 25                     |
| 2578-06060        | 00000/0000                   | 2-20030/1722                | 08/22/76         | 50             | 8053            | 5844N                        | 06412E        | 39.4         | 147.8        | GGGG                               |                     |                      | 175                     | 19                     |
| 2578-06062        | 00000/0000                   | 2-20030/1723                | 08/22/76         | 10             | 8053            | 5721N                        | 06317E        | 40.3         | 146.2        | GGGG                               |                     |                      | 175                     | 20                     |
| 2578-06065        | 00000/0000                   | 2-20030/1724                | 08/22/76         | 60             | 8053            | 5557N                        | 06226E        | 41.2         | 144.6        | GGGG                               |                     |                      | 175                     | 21                     |
| 2578-06071        | 00000/0000                   | 2-20030/1725                | 08/22/76         | 40             | 8053            | 5433N                        | 06138E        | 42.1         | 143.0        | GGGG                               |                     |                      | 175                     | 22                     |
| 2578-06074        | 00000/0000                   | 2-20030/1726                | 08/22/76         | 10             | 8053            | 5308N                        | 06053E        | 43.0         | 141.4        | FFFF                               |                     |                      | 175                     | 23                     |
| 2578-06080        | 00000/0000                   | 2-20030/1727                | 08/22/76         | 0              | 8053            | 5144N                        | 06010E        | 43.8         | 139.8        | GGGG                               |                     |                      | 175                     | 24                     |
| 2578-06083        | 00000/0000                   | 2-20030/1728                | 08/22/76         | 0              | 8053            | 5020N                        | 05929E        | 44.7         | 138.1        | GGGG                               |                     |                      | 175                     | 25                     |
| 2578-06115        | 00000/0000                   | 2-20030/1729                | 08/22/76         | 0              | 8053            | 3857N                        | 05502E        | 50.3         | 124.3        | GGGF                               |                     |                      | 175                     | 33                     |
| 2578-06121        | 00000/0000                   | 2-20030/1730                | 08/22/76         | 10             | 8053            | 3731N                        | 05434E        | 50.8         | 122.5        | GGGG                               |                     |                      | 175                     | 34                     |
| 2578-06124        | 00000/0000                   | 2-20030/1731                | 08/22/76         | 10             | 8053            | 3605N                        | 05407E        | 51.3         | 120.6        | GGG                                |                     |                      | 175                     | 35                     |
| 2578-06130        | 00000/0000                   | 2-20030/1732                | 08/22/76         | 10             | 8053            | 3440N                        | 05340E        | 51.8         | 118.6        | GGGG                               |                     |                      | 175                     | 36                     |
| 2578-06133        | 00000/0000                   | 2-20030/1733                | 08/22/76         | 0              | 8053            | 3314N                        | 05314E        | 52.2         | 116.6        | GGGG                               |                     |                      | 175                     | 37                     |
| 2578-06135        | 00000/0000                   | 2-20030/1734                | 08/22/76         | 0              | 8053            | 3148N                        | 05249E        | 52.6         | 114.6        | GGGG                               |                     |                      | 175                     | 38                     |
| 2578-06142        | 00000/0000                   | 2-20030/1735                | 08/22/76         | 10             | 8053            | 3022N                        | 05224E        | 52.9         | 112.6        | GGGG                               |                     |                      | 175                     | 39                     |
| 2578-07482        | 00000/0000                   | 2-20030/1736                | 08/22/76         | 90             | 8054            | 6132N                        | 04024E        | 37.4         | 151.2        | GGGG                               |                     |                      | 193                     | 17                     |
| 2578-07485        | 00000/0000                   | 2-20030/1737                | 08/22/76         | 90             | 8054            | 6010N                        | 03921E        | 38.4         | 149.5        | GGGG                               |                     |                      | 193                     | 18                     |
| 2578-07491        | 00000/0000                   | 2-20030/1738                | 08/22/76         | 80             | 8054            | 5847N                        | 03823E        | 39.3         | 147.9        | GGGG                               |                     |                      | 193                     | 19                     |
| 2578-07494        | 00000/0000                   | 2-20030/1739                | 08/22/76         | 70             | 8054            | 5724N                        | 03728E        | 40.3         | 146.2        | GGGG                               |                     |                      | 193                     | 20                     |
| 2578-07500        | 00000/0000                   | 2-20030/1740                | 08/22/76         | 60             | 8054            | 5600N                        | 03637E        | 41.2         | 144.6        | GGGG                               |                     |                      | 193                     | 21                     |
| 2578-07503        | 00000/0000                   | 2-20030/1741                | 08/22/76         | 10             | 8054            | 5436N                        | 03550E        | 42.1         | 143.0        | GGGG                               |                     |                      | 193                     | 22                     |
| 2578-07505        | 00000/0000                   | 2-20030/1742                | 08/22/76         | 10             | 8054            | 5311N                        | 03504E        | 42.9         | 141.4        | GGGG                               |                     |                      | 193                     | 23                     |
| 2578-07512        | 00000/0000                   | 2-20030/1743                | 08/22/76         | 30             | 8054            | 5147N                        | 03422E        | 43.8         | 139.8        | GGGG                               |                     |                      | 193                     | 24                     |
| 2578-07514        | 00000/0000                   | 2-20030/1744                | 08/22/76         | 90             | 8054            | 5022N                        | 03341E        | 44.6         | 138.2        | GGGG                               |                     |                      | 193                     | 25                     |
| 2578-07521        | 00000/0000                   | 2-20030/1745                | 08/22/76         | 100            | 8054            | 4858N                        | 03303E        | 45.4         | 136.6        | GGGG                               |                     |                      | 193                     | 26                     |
| 2578-07523        | 00000/0000                   | 2-20030/1746                | 08/22/76         | 100            | 8054            | 4733N                        | 03226E        | 46.2         | 134.9        | GGGG                               |                     |                      | 193                     | 27                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>REEL | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RVS MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------|------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2578-07530        | 00000/0000                       | 2-20030/1747     | 08/22/76         | 90             | 8054            | 4608N 03150E                            | 46.9         | 133.3        | GGGG                               |                     |                      | 193                     | 28                     |
| 2578-14445        | 00000/0000                       | 2-20030/1515     | 08/22/76         | 80             | 8058            | 5021N 06935W                            | 44.6         | 138.3        | PGGG                               |                     |                      | 14                      | 25                     |
| 2578-14451        | 00000/0000                       | 2-20030/1516     | 08/22/76         | 50             | 8058            | 4856N 07013W                            | 45.4         | 136.6        | PFGG                               |                     |                      | 14                      | 26                     |
| 2578-14515        | 00000/0000                       | 2-20030/1517     | 08/22/76         | 60             | 8058            | 2604N 07751W                            | 53.6         | 106.6        | GFGG                               |                     |                      | 14                      | 42                     |
| 2578-14522        | 00000/0000                       | 2-20030/1518     | 08/22/76         | 40             | 8058            | 2437N 07814W                            | 53.7         | 104.5        | FGGG                               |                     |                      | 14                      | 43                     |
| 2578-18005        | 2-20033/0037                     | 00000/0000       | 08/22/76         | 20             | 8060            | 8045N 05525W                            | 19.2         | 215.9        | GGG                                |                     |                      | 37                      | 247                    |
| 2578-18012        | 2-20033/0038                     | 00000/0000       | 08/22/76         | 20             | 8060            | 8015N 06344W                            | 20.3         | 207.5        | GGG                                |                     |                      | 49                      | 1                      |
| 2578-18014        | 2-20033/0039                     | 00000/0000       | 08/22/76         | 10             | 8060            | 7935N 07110W                            | 21.4         | 199.9        | GGG                                |                     |                      | 49                      | 2                      |
| 2578-18021        | 2-20033/0040                     | 00000/0000       | 08/22/76         | 20             | 8060            | 7846N 07743W                            | 22.5         | 193.2        | GGG                                |                     |                      | 49                      | 3                      |
| 2578-18023        | 2-20033/0041                     | 00000/0000       | 08/22/76         | 60             | 8060            | 7750N 08320W                            | 23.7         | 187.5        | GGG                                |                     |                      | 50                      | 4                      |
| 2578-18091        | 00000/0000                       | 2-20032/0028     | 08/22/76         | 90             | 8060            | 5721N 11725W                            | 40.1         | 146.3        | GGGG                               |                     |                      | 50                      | 20                     |
| 2578-18094        | 00000/0000                       | 2-20032/0029     | 08/22/76         | 30             | 8060            | 5558N 11815W                            | 41.1         | 144.7        | GGGG                               |                     |                      | 50                      | 21                     |
| 2578-18100        | 00000/0000                       | 2-20032/0030     | 08/22/76         | 50             | 8060            | 5434N 11903W                            | 42.0         | 143.1        | GGGG                               |                     |                      | 50                      | 22                     |
| 2578-18103        | 00000/0000                       | 2-20032/0031     | 08/22/76         | 90             | 8060            | 5310N 11948W                            | 42.8         | 141.5        | GGGG                               |                     |                      | 50                      | 23                     |
| 2578-18107        | 00000/0000                       | 2-20032/0032     | 08/22/76         | 70             | 8060            | 5145N 12031W                            | 43.7         | 139.9        | GGGG                               |                     |                      | 50                      | 24                     |
| 2578-18112        | 00000/0000                       | 2-20032/0033     | 08/22/76         | 80             | 8060            | 5021N 12112W                            | 44.5         | 138.3        | GGGG                               |                     |                      | 50                      | 25                     |
| 2578-19441        | 2-20033/0042                     | 00000/0000       | 08/22/76         | 30             | 8061            | 8046N 08114W                            | 19.2         | 215.9        | GGG                                |                     |                      | 55                      | 247                    |
| 2578-19443        | 2-20033/0043                     | 00000/0000       | 08/22/76         | 40             | 8061            | 8016N 08938W                            | 20.3         | 207.4        | GGG                                |                     |                      | 55                      | 248                    |
| 2578-21311        | 00000/0000                       | 2-20030/1748     | 08/22/76         | 80             | 8062            | 7210N 15251W                            | 29.0         | 168.2        | GGGG                               |                     |                      | 86                      | 9                      |
| 2579-01045        | 00000/0000                       | 2-20030/1708     | 08/23/76         | 10             | 8064            | 4857N 13452E                            | 45.2         | 136.8        | GGGG                               |                     |                      | 122                     | 26                     |
| 2579-01051        | 00000/0000                       | 2-20030/1709     | 08/23/76         | 60             | 8064            | 4733N 13415E                            | 46.0         | 135.2        | GGGG                               |                     |                      | 122                     | 27                     |
| 2579-01054        | 00000/0000                       | 2-20030/1710     | 08/23/76         | 10             | 8064            | 4607N 13340E                            | 46.8         | 133.5        | GGGG                               |                     |                      | 122                     | 28                     |
| 2579-01142        | 00000/0000                       | 2-20030/1711     | 08/23/76         | 60             | 8064            | 1600N 12442E                            | 53.5         | 92.3         | GGGG                               |                     |                      | 122                     | 49                     |
| 2579-01145        | 00000/0000                       | 2-20030/1712     | 08/23/76         | 60             | 8064            | 1433N 12421E                            | 53.3         | 90.3         | GGGG                               |                     |                      | 122                     | 50                     |
| 2579-01151        | 00000/0000                       | 2-20030/1713     | 08/23/76         | 40             | 8064            | 1305N 12400E                            | 53.0         | 88.3         | GGGG                               |                     |                      | 122                     | 51                     |
| 2579-01154        | 00000/0000                       | 2-20030/1714     | 08/23/76         | 30             | 8064            | 1139N 12339E                            | 52.7         | 86.3         | GGGG                               |                     |                      | 122                     | 52                     |
| 2579-01160        | 00000/0000                       | 2-20030/1715     | 08/23/76         | 50             | 8064            | 1012N 12318E                            | 52.4         | 84.4         | GGGG                               |                     |                      | 122                     | 53                     |
| 2579-01163        | 00000/0000                       | 2-20030/1716     | 08/23/76         | 60             | 8064            | 0845N 12257E                            | 52.0         | 82.6         | GGGG                               |                     |                      | 122                     | 54                     |
| 2579-01165        | 00000/0000                       | 2-20030/1717     | 08/23/76         | 60             | 8064            | 0718N 12238E                            | 51.6         | 80.8         | GGGG                               |                     |                      | 122                     | 55                     |
| 2579-02460        | 00000/0000                       | 2-20030/1718     | 08/23/76         | 80             | 8065            | 5559N 11238E                            | 40.9         | 144.8        | GGGG                               |                     |                      | 140                     | 21                     |
| 2579-02462        | 00000/0000                       | 2-20030/1719     | 08/23/76         | 30             | 8065            | 5435N 11151E                            | 41.8         | 143.2        | GGGG                               |                     |                      | 140                     | 22                     |
| 2579-02465        | 00000/0000                       | 2-20030/1720     | 08/23/76         | 10             | 8065            | 5311N 11106E                            | 42.7         | 141.6        | GGGG                               |                     |                      | 140                     | 23                     |
| 2579-02471        | 00000/0000                       | 2-20030/1721     | 08/23/76         | 10             | 8065            | 5146N 11023E                            | 43.6         | 140.0        | GGGG                               |                     |                      | 140                     | 24                     |
| 2579-04282        | 00000/0000                       | 2-20032/0313     | 08/23/76         | 40             | 8066            | 5846N 08832E                            | 39.1         | 148.0        | FGGG                               |                     |                      | 158                     | 19                     |
| 2579-04285        | 00000/0000                       | 2-20032/0314     | 08/23/76         | 30             | 8066            | 5723N 08738E                            | 40.0         | 146.4        | GGGG                               |                     |                      | 158                     | 20                     |
| 2579-04291        | 00000/0000                       | 2-20032/0315     | 08/23/76         | 70             | 8066            | 5559N 08647E                            | 40.9         | 144.8        | GGGG                               |                     |                      | 158                     | 21                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 28, 1977

LANHSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2579-04294        | 00000/0000                   | 2-20032/0316                | 08/23/76         | 40             | 8066            | 5435N                                   | 08559E       | 41.8 143.2   |                                    |                     |                      |                         |                        |
| 2579-04300        | 00000/0000                   | 2-20032/0317                | 08/23/76         | 20             | 8066            | 5311N                                   | 08514E       | 42.7 141.6   | GGGF                               |                     |                      | 158                     | 22                     |
| 2579-04303        | 00000/0000                   | 2-20032/0318                | 08/23/76         | 30             | 8066            | 5146N                                   | 08432E       | 43.6 140.0   | GGGF                               |                     |                      | 158                     | 23                     |
| 2579-04305        | 00000/0000                   | 2-20032/0319                | 08/23/76         | 20             | 8066            | 5021N                                   | 08351E       | 44.4 138.4   | GGGG                               |                     |                      | 158                     | 24                     |
| 2579-04312        | 00000/0000                   | 2-20032/0320                | 08/23/76         | 10             | 8066            | 4856N                                   | 08313E       | 45.2 136.8   | GGGG                               |                     |                      | 158                     | 25                     |
| 2579-04344        | 00000/0000                   | 2-20032/0321                | 08/23/76         | 50             | 8066            | 3733N                                   | 07857E       | 50.6 122.9   | GGGG                               |                     |                      | 158                     | 26                     |
| 2579-06111        | 00000/0000                   | 2-20032/0322                | 08/23/76         | 40             | 8067            | 6009N                                   | 06346E       | 38.1 149.6   | GGGG                               |                     |                      | 176                     | 18                     |
| 2579-06114        | 00000/0000                   | 2-20032/0323                | 08/23/76         | 70             | 8067            | 5846N                                   | 06246E       | 39.1 148.0   | GGGG                               |                     |                      | 176                     | 19                     |
| 2579-06120        | 00000/0000                   | 2-20032/0324                | 08/23/76         | 50             | 8067            | 5723N                                   | 06151E       | 40.0 146.4   | GGGG                               |                     |                      | 176                     | 20                     |
| 2579-06123        | 00000/0000                   | 2-20032/0325                | 08/23/76         | 30             | 8067            | 5559N                                   | 06100E       | 40.9 144.8   | GGFG                               |                     |                      | 176                     | 21                     |
| 2579-06132        | 00000/0000                   | 2-20032/0326                | 08/23/76         | 20             | 8067            | 5310N                                   | 05927E       | 42.7 141.6   | GGGG                               |                     |                      | 176                     | 23                     |
| 2579-06134        | 00000/0000                   | 2-20032/0327                | 08/23/76         | 20             | 8067            | 5146N                                   | 05844E       | 43.5 140.1   | FGGG                               |                     |                      | 176                     | 24                     |
| 2579-06173        | 00000/0000                   | 2-20032/0328                | 08/23/76         | 10             | 8067            | 3848N                                   | 05337E       | 50.0 124.8   | GGGF                               |                     |                      | 176                     | 33                     |
| 2579-06175        | 00000/0000                   | 2-20032/0329                | 08/23/76         | 10             | 8067            | 3733N                                   | 05309E       | 50.6 122.9   | FGFF                               |                     |                      | 176                     | 34                     |
| 2579-06182        | 00000/0000                   | 2-20032/0330                | 08/23/76         | 10             | 8067            | 3607N                                   | 05241E       | 51.1 121.0   | FGFF                               |                     |                      | 176                     | 35                     |
| 2579-06184        | 00000/0000                   | 2-20032/0331                | 08/23/76         | 10             | 8067            | 3442N                                   | 05215E       | 51.6 119.1   | GGGF                               |                     |                      | 176                     | 36                     |
| 2579-06191        | 00000/0000                   | 2-20032/0357                | 08/23/76         | 10             | 8067            | 3316N                                   | 05149E       | 52.0 117.2   | GGGG                               |                     |                      | 176                     | 37                     |
| 2579-06193        | 00000/0000                   | 2-20032/0358                | 08/23/76         | 0              | 8067            | 3150N                                   | 05124E       | 52.4 115.2   | GGGG                               |                     |                      | 176                     | 38                     |
| 2579-06200        | 00000/0000                   | 2-20032/0359                | 08/23/76         | 10             | 8067            | 3024N                                   | 05059E       | 52.7 113.2   | GGGG                               |                     |                      | 176                     | 39                     |
| 2579-06202        | 00000/0000                   | 2-20032/0360                | 08/23/76         | 10             | 8067            | 2857N                                   | 05036E       | 53.0 111.1   | GGGG                               |                     |                      | 176                     | 40                     |
| 2579-14505        | 00000/0000                   | 2-20032/1759                | 08/23/76         | 80             | 8072            | 4858N                                   | 07139W       | 45.1 137.0   | GGGG                               |                     |                      | 15                      | 26                     |
| 2579-16332        | 00000/0000                   | 2-20032/1750                | 08/23/76         | 20             | 8073            | 5147N                                   | 09406W       | 43.4 140.2   | G                                  |                     |                      | 33                      | 24                     |
| 2579-16334        | 00000/0000                   | 2-20032/1749                | 08/23/76         | 0              | 8073            | 5023N                                   | 09447W       | 44.2 138.6   | GGGG                               |                     |                      | 33                      | 25                     |
| 2579-18070        | 2-20033/0044                 | 00000/0000                  | 08/23/76         | 90             | 8074            | 8016N                                   | 06459W       | 19.9 207.7   | GGG                                |                     |                      | 37                      | 248                    |
| 2579-18073        | 2-20033/0045                 | 00000/0000                  | 08/23/76         | 90             | 8074            | 7937N                                   | 07226W       | 21.1 200.1   | GGG                                |                     |                      | 50                      | 2                      |
| 2579-18075        | 2-20033/0046                 | 00000/0000                  | 08/23/76         | 90             | 8074            | 7847N                                   | 07159W       | 22.2 193.4   | GGG                                |                     |                      | 50                      | 3                      |
| 2579-18082        | 2-20033/0047                 | 00000/0000                  | 08/23/76         | 90             | 8074            | 7751N                                   | 08437W       | 23.3 187.7   | GGG                                |                     |                      | 50                      | 4                      |
| 2579-18150        | 00000/0000                   | 2-20032/1765                | 08/23/76         | 80             | 8074            | 5724N                                   | 11449W       | 39.8 146.5   | G                                  |                     |                      | 51                      | 20                     |
| 2579-18152        | 00000/0000                   | 2-20032/1760                | 08/23/76         | 60             | 8074            | 5600N                                   | 11940W       | 40.7 144.9   | GGGG                               |                     |                      | 51                      | 21                     |
| 2579-18155        | 00000/0000                   | 2-20032/1761                | 08/23/76         | 70             | 8074            | 5436N                                   | 12028W       | 41.6 143.4   | GGGG                               |                     |                      | 51                      | 22                     |
| 2579-18161        | 00000/0000                   | 2-20032/1762                | 08/23/76         | 80             | 8074            | 5312N                                   | 12114W       | 42.5 141.8   | GGGG                               |                     |                      | 51                      | 23                     |
| 2579-18164        | 00000/0000                   | 2-20032/1763                | 08/23/76         | 80             | 8074            | 5148N                                   | 12156W       | 43.4 140.2   | GGGG                               |                     |                      | 51                      | 24                     |
| 2579-18170        | 00000/0000                   | 2-20032/1764                | 08/23/76         | 90             | 8074            | 5023N                                   | 12237W       | 44.2 138.6   | GGGG                               |                     |                      | 51                      | 25                     |
| 2579-23510        | 00000/0000                   | 2-20032/0332                | 08/23/76         | 30             | 8077            | 3306S                                   | 13705E       | 27.9 52.7    | GGGF                               |                     |                      | 105                     | 23                     |
| 2580-02523        | 00000/0000                   | 2-20032/1810                | 08/24/76         | 70             | 8079            | 5309N                                   | 10937E       | 42.4 141.8   | GGGG                               |                     |                      | 141                     | 23                     |
| 2580-02530        | 00000/0000                   | 2-20032/1811                | 08/24/76         | 50             | 8079            | 5145N                                   | 10455E       | 43.3 140.3   | GGGG                               |                     |                      | 141                     | 24                     |

KEYS: CLOUD COVER 4 ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>RBV | ROLL NO./<br>POSITION IN<br>ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|---------------------------------|-----------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2580-02532        | 00000/0000                      | 2-20030/1812                            | 08/24/76         | 30             | 8079            | 5020N                        | 10814E        | 44.1         | 138.7        | GGGG                  |                     |                      | 141                     | 25                     |
| 2580-04341        | 00000/0000                      | 2-20030/1784                            | 08/24/76         | 10             | 8080            | 5844N                        | 08707E        | 38.8         | 148.2        | GGGG                  |                     |                      | 159                     | 19                     |
| 2580-04343        | 00000/0000                      | 2-20030/1785                            | 08/24/76         | 10             | 8080            | 5721N                        | 08612E        | 39.7         | 146.6        | GGGG                  |                     |                      | 159                     | 20                     |
| 2580-04350        | 00000/0000                      | 2-20030/1786                            | 08/24/76         | 10             | 8080            | 5557N                        | 08522E        | 40.6         | 145.0        | GGGG                  |                     |                      | 159                     | 21                     |
| 2580-04352        | 00000/0000                      | 2-20030/1787                            | 08/24/76         | 10             | 8080            | 5433N                        | 08434E        | 41.5         | 143.4        | GGGG                  |                     |                      | 159                     | 22                     |
| 2580-04355        | 00000/0000                      | 2-20030/1788                            | 08/24/76         | 10             | 8080            | 5310N                        | 08349E        | 42.4         | 141.8        | GGGG                  |                     |                      | 159                     | 23                     |
| 2580-04361        | 00000/0000                      | 2-20030/1789                            | 08/24/76         | 40             | 8080            | 5145N                        | 08306E        | 43.3         | 140.3        | GGGG                  |                     |                      | 159                     | 24                     |
| 2580-04364        | 00000/0000                      | 2-20030/1790                            | 08/24/76         | 40             | 8080            | 5020N                        | 08225E        | 44.1         | 138.7        | GGGG                  |                     |                      | 159                     | 25                     |
| 2580-04370        | 00000/0000                      | 2-20030/1791                            | 08/24/76         | 40             | 8080            | 4854N                        | 08147E        | 44.9         | 137.1        | GGGG                  |                     |                      | 159                     | 26                     |
| 2580-04414        | 00000/0000                      | 2-20030/1813                            | 08/24/76         | 60             | 8080            | 3314N                        | 07610E        | 51.8         | 117.6        | GGGG                  |                     |                      | 159                     | 37                     |
| 2580-04420        | 00000/0000                      | 2-20030/1814                            | 08/24/76         | 80             | 8080            | 3148N                        | 07544E        | 52.2         | 115.6        | GGGG                  |                     |                      | 159                     | 38                     |
| 2580-06170        | 00000/0000                      | 2-20030/1815                            | 08/24/76         | 50             | 8081            | 6010N                        | 06918E        | 37.8         | 149.9        | GGGG                  |                     |                      | 177                     | 18                     |
| 2580-06172        | 00000/0000                      | 2-20030/1816                            | 08/24/76         | 50             | 8081            | 5848N                        | 06119E        | 38.7         | 148.2        | GGGG                  |                     |                      | 177                     | 19                     |
| 2580-06175        | 00000/0000                      | 2-20030/1817                            | 08/24/76         | 30             | 8081            | 5724N                        | 06024E        | 39.7         | 146.6        | GGGG                  |                     |                      | 177                     | 20                     |
| 2580-06190        | 00000/0000                      | 2-20030/1818                            | 08/24/76         | 10             | 8081            | 5312N                        | 05800E        | 42.4         | 141.9        | GGGG                  |                     |                      | 177                     | 23                     |
| 2580-06193        | 00000/0000                      | 2-20030/1819                            | 08/24/76         | 0              | 8081            | 5148N                        | 05718E        | 43.2         | 140.4        | GGGG                  |                     |                      | 177                     | 24                     |
| 2580-06195        | 00000/0000                      | 2-20030/1820                            | 08/24/76         | 0              | 8081            | 5023N                        | 05637E        | 44.1         | 138.8        | GGGG                  |                     |                      | 177                     | 25                     |
| 2580-06231        | 00000/0000                      | 2-20030/1821                            | 08/24/76         | 0              | 8081            | 3901N                        | 05210E        | 49.8         | 125.2        | FFFF                  |                     |                      | 177                     | 33                     |
| 2580-06234        | 00000/0000                      | 2-20030/1822                            | 08/24/76         | 10             | 8081            | 3735N                        | 05142E        | 50.4         | 123.4        | FFFF                  |                     |                      | 177                     | 34                     |
| 2580-06240        | 00000/0000                      | 2-20030/1823                            | 08/24/76         | 10             | 8081            | 3609N                        | 05115E        | 50.9         | 121.5        | GGGG                  |                     |                      | 177                     | 35                     |
| 2580-06243        | 00000/0000                      | 2-20030/1824                            | 08/24/76         | 0              | 8081            | 3443N                        | 05048E        | 51.4         | 119.6        | GGGG                  |                     |                      | 177                     | 36                     |
| 2580-06245        | 00000/0000                      | 2-20030/1825                            | 08/24/76         | 0              | 8081            | 3317N                        | 05022E        | 51.8         | 117.7        | GGGG                  |                     |                      | 177                     | 37                     |
| 2580-06252        | 00000/0000                      | 2-20030/1826                            | 08/24/76         | 0              | 8081            | 3141N                        | 04957E        | 52.2         | 115.7        | GGGG                  |                     |                      | 177                     | 38                     |
| 2580-06254        | 00000/0000                      | 2-20030/1827                            | 08/24/76         | 10             | 8081            | 3025N                        | 04933E        | 52.6         | 113.7        | GGGG                  |                     |                      | 177                     | 39                     |
| 2580-06261        | 00000/0000                      | 2-20030/1828                            | 08/24/76         | 10             | 8081            | 2859N                        | 04908E        | 52.9         | 111.7        | FFFF                  |                     |                      | 177                     | 40                     |
| 2580-08001        | 00000/0000                      | 2-20030/1766                            | 08/24/76         | 90             | 8082            | 6010N                        | 03630E        | 37.7         | 149.9        | GGGG                  |                     |                      | 195                     | 18                     |
| 2580-08004        | 00000/0000                      | 2-20030/1767                            | 08/24/76         | 90             | 8082            | 5847N                        | 03532E        | 38.7         | 148.2        | GGGG                  |                     |                      | 195                     | 19                     |
| 2580-08010        | 00000/0000                      | 2-20030/1768                            | 08/24/76         | 100            | 8082            | 5724N                        | 03437E        | 39.6         | 146.6        | GGGG                  |                     |                      | 195                     | 20                     |
| 2580-08013        | 00000/0000                      | 2-20030/1769                            | 08/24/76         | 90             | 8082            | 5600N                        | 03346E        | 40.6         | 145.1        | GGGG                  |                     |                      | 195                     | 21                     |
| 2580-08015        | 00000/0000                      | 2-20030/1770                            | 08/24/76         | 90             | 8082            | 5436N                        | 03258E        | 41.5         | 143.5        | GGGG                  |                     |                      | 195                     | 22                     |
| 2580-08022        | 00000/0000                      | 2-20030/1771                            | 08/24/76         | 90             | 8082            | 5312N                        | 03213E        | 42.3         | 141.9        | GGGG                  |                     |                      | 195                     | 23                     |
| 2580-08024        | 00000/0000                      | 2-20030/1772                            | 08/24/76         | 90             | 8082            | 5147N                        | 03130E        | 43.2         | 140.4        | GGGG                  |                     |                      | 195                     | 24                     |
| 2580-08031        | 00000/0000                      | 2-20030/1773                            | 08/24/76         | 40             | 8082            | 5023N                        | 03049E        | 44.0         | 138.8        | GGGG                  |                     |                      | 195                     | 25                     |
| 2580-08033        | 00000/0000                      | 2-20030/1774                            | 08/24/76         | 50             | 8082            | 4858N                        | 03011E        | 44.9         | 137.2        | GGGG                  |                     |                      | 195                     | 26                     |
| 2580-08040        | 00000/0000                      | 2-20030/1775                            | 08/24/76         | 20             | 8082            | 4733N                        | 02934E        | 45.7         | 135.6        | GGGG                  |                     |                      | 195                     | 27                     |
| 2580-08042        | 00000/0000                      | 2-20030/1776                            | 08/24/76         | 20             | 8082            | 4608N                        | 02859E        | 46.4         | 133.9        | GGGG                  |                     |                      | 195                     | 28                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2580-08045        | 00000/0000                   | 2-20030/1777                | 08/24/76         | 10             | 8082            | 4443N                        | 02R25E        | 47.1         | 132.3        | GGGG                               |                     |                      | 195                     | 29                     |
| 2580-08104        | 00000/0000                   | 2-20030/1778                | 08/24/76         | 0              | 8082            | 2439N                        | 02P10E        | 53.5         | 105.5        | GGGG                               |                     |                      | 195                     | 43                     |
| 2580-08110        | 00000/0000                   | 2-20030/1779                | 08/24/76         | 0              | 8082            | 2312N                        | 02147E        | 53.7         | 103.4        | GGGG                               |                     |                      | 195                     | 44                     |
| 2580-08113        | 00000/0000                   | 2-20030/1780                | 08/24/76         | 0              | 8082            | 2146N                        | 02125E        | 53.7         | 101.3        | GGGG                               |                     |                      | 195                     | 45                     |
| 2580-14564        | 00000/0000                   | 2-20032/0088                | 08/24/76         | 50             | 8086            | 4857N                        | 07306W        | 44.8         | 137.2        | GGGG                               |                     |                      | 16                      | 26                     |
| 2580-16390        | 00000/0000                   | 2-20030/1792                | 08/24/76         | 20             | 8087            | 5146N                        | 09734W        | 43.1         | 140.4        | GGGG                               |                     |                      | 34                      | 24                     |
| 2580-16393        | 00000/0000                   | 2-20030/1793                | 08/24/76         | 10             | 8087            | 5071N                        | 09814W        | 44.0         | 138.8        | GGGG                               |                     |                      | 34                      | 25                     |
| 2580-18122        | 2-20033/0054                 | 00000/0000                  | 08/24/76         | 100            | 8088            | 8043N                        | 05835W        | 18.5         | 215.7        | GGG                                |                     |                      | 39                      | 247                    |
| 2580-18124        | 2-20033/0055                 | 00000/0000                  | 08/24/76         | 90             | 8088            | 8014N                        | 06455W        | 19.6         | 207.3        | GGG                                |                     |                      | 51                      | 1                      |
| 2580-18131        | 2-20033/0056                 | 00000/0000                  | 08/24/76         | 80             | 8088            | 7934N                        | 07421W        | 20.8         | 199.7        | GGG                                |                     |                      | 51                      | 2                      |
| 2580-18133        | 2-20033/0057                 | 00000/0000                  | 08/24/76         | 70             | 8088            | 7844N                        | 08050W        | 21.9         | 193.1        | GGG                                |                     |                      | 52                      | 3                      |
| 2580-18204        | 00000/0000                   | 2-20030/1803                | 08/24/76         | 80             | 8088            | 5722N                        | 12016W        | 39.5         | 146.7        | GGGG                               |                     |                      | 52                      | 20                     |
| 2580-18210        | 00000/0000                   | 2-20030/1804                | 08/24/76         | 90             | 8088            | 5558N                        | 12107W        | 40.4         | 145.1        | GGGG                               |                     |                      | 52                      | 21                     |
| 2580-18213        | 00000/0000                   | 2-20030/1805                | 08/24/76         | 60             | 8088            | 5434N                        | 12155W        | 41.4         | 143.6        | GGGG                               |                     |                      | 52                      | 22                     |
| 2580-18215        | 00000/0000                   | 2-20030/1806                | 08/24/76         | 60             | 8088            | 5310N                        | 12240W        | 42.2         | 142.0        | GGGG                               |                     |                      | 52                      | 23                     |
| 2580-18222        | 00000/0000                   | 2-20030/1807                | 08/24/76         | 60             | 8088            | 5146N                        | 12322W        | 43.1         | 140.4        | GGGG                               |                     |                      | 52                      | 24                     |
| 2580-18224        | 00000/0000                   | 2-20030/1808                | 08/24/76         | 90             | 8088            | 5071N                        | 12403W        | 43.9         | 138.9        | GGGG                               |                     |                      | 52                      | 25                     |
| 2580-18242        | 00000/0000                   | 2-20030/1809                | 08/24/76         | 50             | 8088            | 4441N                        | 12629W        | 47.1         | 132.4        | GGGG                               |                     |                      | 52                      | 29                     |
| 2581-01182        | 00000/0000                   | 2-20030/1829                | 08/25/76         | 10             | 8092            | 4151N                        | 12912E        | 48.4         | 129.1        | GGGG                               |                     |                      | 124                     | 31                     |
| 2581-01255        | 00000/0000                   | 2-20030/1830                | 08/25/76         | 60             | 8092            | 1559N                        | 12150E        | 53.5         | 93.4         | GGGG                               |                     |                      | 124                     | 49                     |
| 2581-01261        | 00000/0000                   | 2-20030/1831                | 08/25/76         | 80             | 8092            | 1432N                        | 12129E        | 53.3         | 91.4         | GGGG                               |                     |                      | 124                     | 50                     |
| 2581-01264        | 00000/0000                   | 2-20030/1832                | 08/25/76         | 70             | 8092            | 1305N                        | 12108E        | 53.1         | 89.4         | GGGG                               |                     |                      | 124                     | 51                     |
| 2581-01270        | 00000/0000                   | 2-20030/1833                | 08/25/76         | 50             | 8092            | 1139N                        | 12047E        | 52.8         | 87.5         | GGGF                               |                     |                      | 124                     | 52                     |
| 2581-01273        | 00000/0000                   | 2-20030/1834                | 08/25/76         | 80             | 8092            | 1012N                        | 12026E        | 52.5         | 85.6         | GGGG                               |                     |                      | 124                     | 53                     |
| 2581-01275        | 00000/0000                   | 2-20030/1835                | 08/25/76         | 90             | 8092            | 0845N                        | 12006E        | 52.1         | 83.7         | GGGG                               |                     |                      | 124                     | 54                     |
| 2581-01282        | 00000/0000                   | 2-20030/1836                | 08/25/76         | 80             | 8092            | 0718N                        | 11946E        | 51.7         | 81.9         | GGGG                               |                     |                      | 124                     | 55                     |
| 2581-02575        | 00000/0000                   | 2-20030/1837                | 08/25/76         | 80             | 8093            | 5435N                        | 10A56E        | 41.2         | 143.7        | GGGG                               |                     |                      | 142                     | 22                     |
| 2581-02581        | 00000/0000                   | 2-20030/1838                | 08/25/76         | 60             | 8093            | 5310N                        | 10A11E        | 42.1         | 142.1        | GGGG                               |                     |                      | 142                     | 23                     |
| 2581-02584        | 00000/0000                   | 2-20030/1839                | 08/25/76         | 30             | 8093            | 5146N                        | 10729E        | 43.0         | 140.6        | GGGG                               |                     |                      | 142                     | 24                     |
| 2581-02590        | 00000/0000                   | 2-20030/1840                | 08/25/76         | 60             | 8093            | 5071N                        | 10649E        | 43.8         | 139.0        | GGGG                               |                     |                      | 142                     | 25                     |
| 2581-04395        | 00000/0000                   | 2-20032/0115                | 08/25/76         | 30             | 8094            | 5846N                        | 08542E        | 38.4         | 148.4        | GFGG                               |                     |                      | 160                     | 19                     |
| 2581-04401        | 00000/0000                   | 2-20032/0116                | 08/25/76         | 20             | 8094            | 5722N                        | 08447E        | 39.4         | 146.8        | GGGG                               |                     |                      | 160                     | 20                     |
| 2581-04404        | 00000/0000                   | 2-20032/0117                | 08/25/76         | 10             | 8094            | 5559N                        | 08355E        | 40.3         | 145.2        | GGGG                               |                     |                      | 160                     | 21                     |
| 2581-04410        | 00000/0000                   | 2-20032/0118                | 08/25/76         | 10             | 8094            | 5435N                        | 08308E        | 41.2         | 143.7        | GGGG                               |                     |                      | 160                     | 22                     |
| 2581-04413        | 00000/0000                   | 2-20032/0119                | 08/25/76         | 10             | 8094            | 5310N                        | 08223E        | 42.1         | 142.1        | GGGG                               |                     |                      | 160                     | 23                     |
| 2581-04433        | 00000/0000                   | 2-20032/0120                | 08/25/76         | 20             | 8094            | 4607N                        | 07409E        | 46.2         | 134.2        | GGGG                               |                     |                      | 160                     | 28                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|-------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2581-04451        | 00000/0000                   | 2-20032/0121                | 08/25/76         | 20             | 8094                   | 4025N                        | 07703E                        | 49.0         | 127.4        | GGGG                               |                     |                      | 160                     | 32                     |
| 2581-04454        | 00000/0000                   | 2-20032/0089                | 08/25/76         | 20             | 8094                   | 3859N                        | 07634E                        | 49.6         | 128.6        | GFGG                               |                     |                      | 160                     | 33                     |
| 2581-04460        | 00000/0000                   | 2-20032/0090                | 08/25/76         | 10             | 8094                   | 3733N                        | 07605E                        | 50.2         | 123.8        | GGGG                               |                     |                      | 160                     | 34                     |
| 2581-04463        | 00000/0000                   | 2-20032/0091                | 08/25/76         | 30             | 8094                   | 3607N                        | 07538E                        | 50.7         | 121.9        | GGGG                               |                     |                      | 160                     | 35                     |
| 2581-04465        | 00000/0000                   | 2-20032/1841                | 08/25/76         | 30             | 8094                   | 3441N                        | 07511E                        | 51.2         | 120.0        | GGGG                               |                     |                      | 160                     | 36                     |
| 2581-04472        | 00000/0000                   | 2-20032/1842                | 08/25/76         | 90             | 8094                   | 3315N                        | 07445E                        | 51.7         | 118.1        | GGGG                               |                     |                      | 160                     | 37                     |
| 2581-04474        | 00000/0000                   | 2-20032/1843                | 08/25/76         | 80             | 8094                   | 3149N                        | 07419E                        | 52.1         | 116.1        | GGGG                               |                     |                      | 160                     | 38                     |
| 2581-04481        | 00000/0000                   | 2-20032/1844                | 08/25/76         | 10             | 8094                   | 3023N                        | 07355E                        | 52.4         | 114.1        | GGGG                               |                     |                      | 160                     | 39                     |
| 2581-04483        | 00000/0000                   | 2-20032/1845                | 08/25/76         | 0              | 8094                   | 2856N                        | 07330E                        | 52.8         | 112.1        | GGGG                               |                     |                      | 160                     | 40                     |
| 2581-06224        | 00000/0000                   | 2-20030/1846                | 08/25/76         | 40             | 8095                   | 6003N                        | 06054E                        | 37.5         | 150.0        | FGGG                               |                     |                      | 178                     | 18                     |
| 2581-06230        | 00000/0000                   | 2-20030/1847                | 08/25/76         | 70             | 8095                   | 5846N                        | 05954E                        | 38.4         | 148.4        | FGGG                               |                     |                      | 178                     | 19                     |
| 2581-06233        | 00000/0000                   | 2-20030/1848                | 08/25/76         | 80             | 8095                   | 5723N                        | 05901E                        | 39.4         | 146.8        | GFGG                               |                     |                      | 178                     | 20                     |
| 2581-06235        | 00000/0000                   | 2-20030/1849                | 08/25/76         | 70             | 8095                   | 5559N                        | 05809E                        | 40.3         | 145.2        | GGGG                               |                     |                      | 178                     | 21                     |
| 2581-06242        | 00000/0000                   | 2-20030/1850                | 08/25/76         | 70             | 8095                   | 5435N                        | 05721E                        | 41.2         | 143.7        | GGGG                               |                     |                      | 178                     | 22                     |
| 2581-06294        | 00000/0000                   | 2-20030/1851                | 08/25/76         | 10             | 8095                   | 3607N                        | 04950E                        | 50.7         | 121.9        | GGGG                               |                     |                      | 178                     | 35                     |
| 2581-06301        | 00000/0000                   | 2-20030/1852                | 08/25/76         | 0              | 8095                   | 3441N                        | 04923E                        | 51.2         | 120.0        | GGGG                               |                     |                      | 178                     | 36                     |
| 2581-06303        | 00000/0000                   | 2-20030/1853                | 08/25/76         | 0              | 8095                   | 3315N                        | 04857E                        | 51.6         | 118.1        | GGGG                               |                     |                      | 178                     | 37                     |
| 2581-06310        | 00000/0000                   | 2-20030/1854                | 08/25/76         | 0              | 8095                   | 3149N                        | 04832E                        | 52.1         | 116.2        | GGGG                               |                     |                      | 178                     | 38                     |
| 2581-06312        | 00000/0000                   | 2-20030/1855                | 08/25/76         | 0              | 8095                   | 3023N                        | 04807E                        | 52.4         | 114.2        | GGGG                               |                     |                      | 178                     | 39                     |
| 2581-08044        | 00000/0000                   | 2-20032/0092                | 08/25/76         | 90             | 8096                   | 6415N                        | 02829E                        | 34.5         | 155.1        | GFGG                               |                     |                      | 196                     | 15                     |
| 2581-08051        | 00000/0000                   | 2-20032/0093                | 08/25/76         | 90             | 8096                   | 6253N                        | 03715E                        | 35.5         | 153.4        | GGGG                               |                     |                      | 196                     | 16                     |
| 2581-08053        | 00000/0000                   | 2-20032/0094                | 08/25/76         | 80             | 8096                   | 6141N                        | 03606E                        | 36.5         | 151.7        | FGGG                               |                     |                      | 196                     | 17                     |
| 2581-08060        | 00000/0000                   | 2-20032/0095                | 08/25/76         | 50             | 8096                   | 6008N                        | 03503E                        | 37.4         | 150.0        | GGGG                               |                     |                      | 196                     | 18                     |
| 2581-08080        | 00000/0000                   | 2-20032/0096                | 08/25/76         | 10             | 8096                   | 5310N                        | 03046E                        | 42.1         | 142.2        | GGGG                               |                     |                      | 196                     | 23                     |
| 2581-08083        | 00000/0000                   | 2-20032/0097                | 08/25/76         | 10             | 8096                   | 5145N                        | 03003E                        | 42.9         | 140.6        | GFGG                               |                     |                      | 196                     | 24                     |
| 2581-08085        | 00000/0000                   | 2-20032/0098                | 08/25/76         | 20             | 8096                   | 5021N                        | 02923E                        | 43.8         | 139.0        | GGGG                               |                     |                      | 196                     | 25                     |
| 2581-08092        | 00000/0000                   | 2-20032/0099                | 08/25/76         | 40             | 8096                   | 4856N                        | 02844E                        | 44.6         | 137.4        | GFGG                               |                     |                      | 196                     | 26                     |
| 2581-08094        | 00000/0000                   | 2-20032/0100                | 08/25/76         | 30             | 8096                   | 4731N                        | 02807E                        | 45.4         | 135.8        | GGGG                               |                     |                      | 196                     | 27                     |
| 2581-08101        | 00000/0000                   | 2-20032/0101                | 08/25/76         | 20             | 8096                   | 4606N                        | 02732E                        | 46.2         | 134.2        | GFGG                               |                     |                      | 196                     | 28                     |
| 2581-13295        | 2-20033/0058                 | 00000/0000                  | 08/25/76         | 40             | 8099                   | 1135N                        | 05957W                        | 52.8         | 87.7         | FGG                                |                     |                      | 250                     | 52                     |
| 2581-13302        | 2-20033/0059                 | 00000/0000                  | 08/25/76         | 40             | 8099                   | 1008N                        | 06017W                        | 52.5         | 85.8         | GGG                                |                     |                      | 250                     | 53                     |
| 2581-13304        | 2-20033/0060                 | 00000/0000                  | 08/25/76         | 60             | 8099                   | 0841N                        | 06038W                        | 52.1         | 83.9         | GGG                                |                     |                      | 250                     | 54                     |
| 2581-13311        | 2-20033/0061                 | 00000/0000                  | 08/25/76         | 90             | 8099                   | 0714N                        | 06058W                        | 51.7         | 82.1         | GGG                                |                     |                      | 250                     | 55                     |
| 2581-13313        | 2-20033/0062                 | 00000/0000                  | 08/25/76         | 80             | 8099                   | 0547N                        | 06118W                        | 51.3         | 80.3         | GGG                                |                     |                      | 250                     | 56                     |
| 2581-15015        | 00000/0000                   | 2-20032/1856                | 08/25/76         | 80             | 8100                   | 5094N                        | 07352W                        | 43.7         | 139.1        | GGGG                               |                     |                      | 17                      | 25                     |
| 2581-15022        | 00000/0000                   | 2-20032/1857                | 08/25/76         | 70             | 8100                   | 4859N                        | 07430W                        | 44.5         | 137.6        | GGGG                               |                     |                      | 17                      | 26                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 77

LANDSAT-2  
OBSERVATION ID LISTING  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2581-16442        | 00000/0000                                     | 2-20030/1781     | 08/25/76       | 100             | 8101                               | 5312N                               | 09819W       | 41.9         | 142.3             |                     |                      |                         |                        |
| 2581-16444        | 00000/0000                                     | 2-20030/1782     | 08/25/76       | 100             | 8101                               | 5147N                               | 09902W       | 42.8         | 140.7             | GGGG                |                      | 35                      | 23                     |
| 2581-16451        | 00000/0000                                     | 2-20030/1783     | 08/25/76       | 100             | 8101                               | 5023N                               | 09942W       | 43.7         | 139.2             | GGGG                |                      | 35                      | 24                     |
| 2581-18180        | 2-20033/0063                                   | 00000/0000       | 08/25/76       | 10              | 8102                               | 8045N                               | 05952W       | 18.1         | 215.9             | GG                  |                      | 40                      | 247                    |
| 2581-18183        | 2-20033/0064                                   | 00000/0000       | 08/25/76       | 20              | 8102                               | 8015N                               | 06813W       | 19.3         | 207.4             | GGG                 |                      | 52                      | 1                      |
| 2581-18185        | 2-20033/0065                                   | 00000/0000       | 08/25/76       | 50              | 8102                               | 7945N                               | 07539W       | 20.4         | 199.9             | GGG                 |                      | 52                      | 2                      |
| 2581-18192        | 2-20033/0066                                   | 00000/0000       | 08/25/76       | 60              | 8102                               | 7846N                               | 08206W       | 21.5         | 193.3             | GGG                 |                      | 52                      | 3                      |
| 2582-01313        | 00000/0000                                     | 2-20032/0122     | 08/26/76       | 20              | 8106                               | 1557N                               | 12024E       | 53.4         | 94.0              | GGFG                |                      | 125                     | 49                     |
| 2582-01315        | 00000/0000                                     | 2-20032/0123     | 08/26/76       | 20              | 8106                               | 1430N                               | 12003E       | 53.3         | 92.0              | GGGF                |                      | 125                     | 50                     |
| 2582-01322        | 00000/0000                                     | 2-20032/0124     | 08/26/76       | 30              | 8106                               | 1303N                               | 11942E       | 53.1         | 90.0              | GGGF                |                      | 125                     | 51                     |
| 2582-03024        | 00000/0000                                     | 2-20032/0125     | 08/26/76       | 90              | 8107                               | 5721N                               | 10910E       | 39.1         | 147.0             | GGGG                |                      | 143                     | 20                     |
| 2582-03031        | 00000/0000                                     | 2-20032/0126     | 08/26/76       | 80              | 8107                               | 5558N                               | 10819E       | 40.0         | 145.4             | GGGG                |                      | 143                     | 21                     |
| 2582-03033        | 00000/0000                                     | 2-20032/0127     | 08/26/76       | 60              | 8107                               | 5433N                               | 10731E       | 40.9         | 143.9             | GGGG                |                      | 143                     | 22                     |
| 2582-03040        | 00000/0000                                     | 2-20032/0128     | 08/26/76       | 50              | 8107                               | 5309N                               | 10645E       | 41.8         | 142.3             | FGGF                |                      | 143                     | 23                     |
| 2582-03042        | 00000/0000                                     | 2-20032/0129     | 08/26/76       | 70              | 8107                               | 5145N                               | 10603E       | 42.7         | 140.8             | GGGG                |                      | 143                     | 24                     |
| 2582-03045        | 00000/0000                                     | 2-20032/0130     | 08/26/76       | 100             | 8107                               | 5020N                               | 10522E       | 43.6         | 139.2             | GGGG                |                      | 143                     | 25                     |
| 2582-04460        | 00000/0000                                     | 2-20032/0133     | 08/26/76       | 10              | 8108                               | 5721N                               | 08317E       | 39.1         | 147.0             | GGGG                |                      | 161                     | 20                     |
| 2582-04462        | 00000/0000                                     | 2-20032/0134     | 08/26/76       | 10              | 8108                               | 5558N                               | 08227E       | 40.0         | 145.4             | GGGG                |                      | 161                     | 21                     |
| 2582-04465        | 00000/0000                                     | 2-20032/0135     | 08/26/76       | 10              | 8108                               | 5433N                               | 08139E       | 40.9         | 143.9             | GGGG                |                      | 161                     | 22                     |
| 2582-04471        | 00000/0000                                     | 2-20032/0136     | 08/26/76       | 10              | 8108                               | 5308N                               | 08054E       | 41.8         | 142.3             | GGGG                |                      | 161                     | 23                     |
| 2582-04474        | 00000/0000                                     | 2-20032/0137     | 08/26/76       | 10              | 8108                               | 5144N                               | 08011E       | 42.7         | 140.8             | GGGG                |                      | 161                     | 24                     |
| 2582-04480        | 00000/0000                                     | 2-20032/0138     | 08/26/76       | 10              | 8108                               | 5019N                               | 07931E       | 43.5         | 139.2             | GGGG                |                      | 161                     | 25                     |
| 2582-04501        | 00000/0000                                     | 2-20032/0102     | 08/26/76       | 10              | 8108                               | 4314N                               | 07635E       | 47.4         | 131.2             | GGGG                |                      | 161                     | 30                     |
| 2582-06282        | 00000/0000                                     | 2-20032/0103     | 08/26/76       | 90              | 8109                               | 6006N                               | 05923E       | 37.2         | 150.2             | GGGG                |                      | 179                     | 18                     |
| 2582-06285        | 00000/0000                                     | 2-20032/0104     | 08/26/76       | 90              | 8109                               | 5843N                               | 05825E       | 38.1         | 148.6             | FGFG                |                      | 179                     | 19                     |
| 2582-06291        | 00000/0000                                     | 2-20032/0105     | 08/26/76       | 70              | 8109                               | 5720N                               | 05730E       | 39.1         | 147.0             | GGGG                |                      | 179                     | 20                     |
| 2582-06294        | 00000/0000                                     | 2-20032/0106     | 08/26/76       | 40              | 8109                               | 5556N                               | 05640E       | 40.0         | 145.4             | GGGG                |                      | 179                     | 21                     |
| 2582-06300        | 00000/0000                                     | 2-20032/0107     | 08/26/76       | 40              | 8109                               | 5433N                               | 05552E       | 40.9         | 143.9             | GGGG                |                      | 179                     | 22                     |
| 2582-06303        | 00000/0000                                     | 2-20032/0108     | 08/26/76       | 20              | 8109                               | 5309N                               | 05507E       | 41.8         | 142.3             | PGGG                |                      | 179                     | 23                     |
| 2582-06305        | 00000/0000                                     | 2-20032/0109     | 08/26/76       | 30              | 8109                               | 5144N                               | 05425E       | 42.7         | 140.8             | GGGG                |                      | 179                     | 24                     |
| 2582-06312        | 00000/0000                                     | 2-20032/0110     | 08/26/76       | 70              | 8109                               | 5020N                               | 05344E       | 43.5         | 139.3             | GGFG                |                      | 179                     | 25                     |
| 2582-06341        | 00000/0000                                     | 2-20032/0111     | 08/26/76       | 10              | 8109                               | 4022N                               | 04947E       | 48.7         | 127.7             | FFFF                |                      | 179                     | 32                     |
| 2582-06344        | 00000/0000                                     | 2-20032/0112     | 08/26/76       | 10              | 8109                               | 3857N                               | 04918E       | 49.4         | 126.0             | FFFF                |                      | 179                     | 33                     |
| 2582-06362        | 00000/0000                                     | 2-20032/0113     | 08/26/76       | 0               | 8109                               | 3313N                               | 04730E       | 51.5         | 118.6             | GGGG                |                      | 179                     | 37                     |
| 2582-06364        | 00000/0000                                     | 2-20032/0114     | 08/26/76       | 0               | 8109                               | 3147N                               | 04704E       | 51.9         | 116.6             | GGGG                |                      | 179                     | 38                     |
| 2582-08102        | 00000/0000                                     | 2-20032/0074     | 08/26/76       | 60              | 8110                               | 6413N                               | 03657E       | 34.2         | 155.2             | GGGG                |                      | 197                     | 15                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR MAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS DATA | MSS<br>MODE | MSS<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|---------------|--------------|--------------|----------------------------|-------------|-------------|-------------------------|------------------------|
| 2582-08105        | 00000/0000                                     | 2-20032/0075     | 08/26/76       | 80              | 8110                               | 6251N         | 03544E       | 35.2         | 153.5                      |             |             |                         |                        |
| 2582-08111        | 00000/0000                                     | 2-20032/0076     | 08/26/76       | 70              | 8110                               | 6129N         | 03437E       | 34.2         | 151.6                      | GGGG        |             | 197                     | 16                     |
| 2582-08114        | 00000/0000                                     | 2-20032/0077     | 08/26/76       | 40              | 8110                               | 6006N         | 03334E       | 37.1         | 150.2                      | GGGG        |             | 197                     | 17                     |
| 2582-08120        | 00000/0000                                     | 2-20032/0078     | 08/26/76       | 20              | 8110                               | 5843N         | 03234E       | 38.1         | 148.6                      | GGGG        |             | 197                     | 18                     |
| 2582-08123        | 00000/0000                                     | 2-20032/0079     | 08/26/76       | 20              | 8110                               | 5720N         | 03142E       | 39.1         | 147.0                      | GGGG        |             | 197                     | 19                     |
| 2582-08125        | 00000/0000                                     | 2-20032/0080     | 08/26/76       | 20              | 8110                               | 5556N         | 03050E       | 40.0         | 145.4                      | GGGG        |             | 197                     | 20                     |
| 2582-08132        | 00000/0000                                     | 2-20032/0081     | 08/26/76       | 10              | 8110                               | 5432N         | 03002E       | 40.9         | 143.9                      | GGGG        |             | 197                     | 21                     |
| 2582-08134        | 00000/0000                                     | 2-20032/0082     | 08/26/76       | 10              | 8110                               | 5308N         | 02917E       | 41.8         | 142.4                      | GGGG        |             | 197                     | 22                     |
| 2582-08141        | 00000/0000                                     | 2-20032/0083     | 08/26/76       | 10              | 8110                               | 5143N         | 02834E       | 42.7         | 140.8                      | GGGG        |             | 197                     | 23                     |
| 2582-08143        | 00000/0000                                     | 2-20032/0084     | 08/26/76       | 10              | 8110                               | 5019N         | 02754E       | 43.5         | 139.3                      | GGGG        |             | 197                     | 24                     |
| 2582-08150        | 00000/0000                                     | 2-20032/0085     | 08/26/76       | 10              | 8110                               | 4854N         | 02715E       | 44.3         | 137.7                      | GGGG        |             | 197                     | 25                     |
| 2582-08152        | 00000/0000                                     | 2-20032/0086     | 08/26/76       | 10              | 8110                               | 4729N         | 02639E       | 45.1         | 136.1                      | GGGG        |             | 197                     | 26                     |
| 2582-08155        | 00000/0000                                     | 2-20032/0087     | 08/26/76       | 50              | 8110                               | 4604N         | 02604E       | 45.9         | 134.5                      | GGGG        |             | 197                     | 27                     |
| 2582-13354        | 2-20033/0067                                   | 00000/0000       | 08/26/76       | 40              | 8113                               | 1136N         | 06123W       | 52.8         | 88.3                       | GGG         |             | 251                     | 28                     |
| 2582-13360        | 2-20033/0068                                   | 00000/0000       | 08/26/76       | 10              | 8113                               | 1009N         | 06143W       | 52.5         | 86.4                       | G           |             | 251                     | 29                     |
| 2582-13363        | 2-20033/0069                                   | 00000/0000       | 08/26/76       | 50              | 8113                               | 0842N         | 06203W       | 52.2         | 84.5                       | GGG         |             | 251                     | 30                     |
| 2582-13365        | 2-20033/0070                                   | 00000/0000       | 08/26/76       | 40              | 8113                               | 0716N         | 06223W       | 51.8         | 82.7                       | GGG         |             | 251                     | 31                     |
| 2582-13372        | 2-20033/0071                                   | 00000/0000       | 08/26/76       | 60              | 8113                               | 0549N         | 06243W       | 51.4         | 80.9                       | GGG         |             | 251                     | 32                     |
| 2582-16503        | 00000/0000                                     | 2-20032/0131     | 08/26/76       | 80              | 8115                               | 5146N         | 10029W       | 42.5         | 140.9                      | GGGG        |             | 36                      | 24                     |
| 2582-16505        | 00000/0000                                     | 2-20032/0132     | 08/26/76       | 50              | 8115                               | 5021N         | 10109W       | 43.4         | 139.4                      | GGGG        |             | 36                      | 25                     |
| 2582-18234        | 2-20033/0072                                   | 00000/0000       | 08/26/76       | 0               | 8116                               | 8046N         | 06111W       | 17.8         | 216.1                      | GGG         |             | 41                      | 247                    |
| 2582-18243        | 2-20033/0073                                   | 00000/0000       | 08/26/76       | 20              | 8116                               | 7936N         | 07703W       | 20.0         | 200.1                      | GGG         |             | 53                      | 2                      |
| 2582-18250        | 2-20033/0074                                   | 00000/0000       | 08/26/76       | 20              | 8116                               | 7847N         | 08334W       | 21.1         | 193.5                      | GGG         |             | 53                      | 3                      |
| 2583-01271        | 00000/0000                                     | 2-20032/0139     | 08/27/76       | 0               | 8120                               | 5019N         | 12947E       | 43.3         | 139.5                      | GGGG        |             | 126                     | 25                     |
| 2583-01274        | 00000/0000                                     | 2-20032/0140     | 08/27/76       | 0               | 8120                               | 4854N         | 12909E       | 44.1         | 137.9                      | GGGG        |             | 126                     | 26                     |
| 2583-01280        | 00000/0000                                     | 2-20032/0141     | 08/27/76       | 10              | 8120                               | 4730N         | 12832E       | 44.9         | 136.3                      | GGGG        |             | 126                     | 27                     |
| 2583-01283        | 00000/0000                                     | 2-20032/0142     | 08/27/76       | 30              | 8120                               | 4604N         | 12756E       | 45.7         | 134.7                      | GGGG        |             | 126                     | 28                     |
| 2583-01285        | 00000/0000                                     | 2-20032/0143     | 08/27/76       | 40              | 8120                               | 4438N         | 12722E       | 46.5         | 133.1                      | GGGG        |             | 126                     | 29                     |
| 2583-01292        | 00000/0000                                     | 2-20032/0144     | 08/27/76       | 40              | 8120                               | 4313N         | 12650E       | 47.2         | 131.4                      | GGGG        |             | 126                     | 30                     |
| 2583-01294        | 00000/0000                                     | 2-20032/0145     | 08/27/76       | 90              | 8120                               | 4147N         | 12618E       | 47.9         | 129.8                      | GGGG        |             | 126                     | 31                     |
| 2583-01301        | 00000/0000                                     | 2-20032/0146     | 08/27/76       | 100             | 8120                               | 4022N         | 12548E       | 48.6         | 128.0                      | GGGG        |             | 126                     | 32                     |
| 2583-03082        | 00000/0000                                     | 2-20032/0147     | 08/27/76       | 10              | 8121                               | 5719N         | 10741E       | 38.8         | 147.1                      | GGGG        |             | 144                     | 20                     |
| 2583-03085        | 00000/0000                                     | 2-20032/0148     | 08/27/76       | 10              | 8121                               | 5555N         | 10650E       | 39.7         | 145.6                      | GGGG        |             | 144                     | 21                     |
| 2583-03091        | 00000/0000                                     | 2-20032/0149     | 08/27/76       | 10              | 8121                               | 5431N         | 10602E       | 40.7         | 144.1                      | GGGG        |             | 144                     | 22                     |
| 2583-04520        | 00000/0000                                     | 2-20032/0188     | 08/27/76       | 30              | 8122                               | 5555N         | 08102E       | 39.7         | 145.6                      | GGGG        |             | 162                     | 21                     |
| 2583-04523        | 00000/0000                                     | 2-20032/0189     | 08/27/76       | 10              | 8122                               | 5431N         | 08014E       | 40.6         | 144.1                      | GGGG        |             | 162                     | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV | MSS<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-------------------|------------|---------------------|----------------------|-------------------------|------------------------|
| 2583-04525        | 00000/0000                                     | 2-20032/0190     | 08/27/76       | 10              | 8122                         | 5307N         | 07929E       | 41.5         | 142.6             | GGGG       |                     |                      | 162                     | 23                     |
| 2583-04532        | 00000/0000                                     | 2-20032/0191     | 08/27/76       | 10              | 8122                         | 5143N         | 07847E       | 42.4         | 141.0             | GGGG       |                     |                      | 162                     | 24                     |
| 2583-04534        | 00000/0000                                     | 2-20032/0192     | 08/27/76       | 10              | 8122                         | 5017N         | 07807E       | 43.3         | 139.5             | GGGG       |                     |                      | 162                     | 25                     |
| 2583-04555        | 00000/0000                                     | 2-20032/0193     | 08/27/76       | 0               | 8122                         | 4313N         | 07810E       | 47.2         | 131.5             | GGGG       |                     |                      | 162                     | 30                     |
| 2583-04573        | 00000/0000                                     | 2-20032/0194     | 08/27/76       | 20              | 8122                         | 3729N         | 07312E       | 49.7         | 124.5             | GGGG       |                     |                      | 162                     | 34                     |
| 2583-04575        | 00000/0000                                     | 2-20032/0195     | 08/27/76       | 40              | 8122                         | 3603N         | 07245E       | 50.3         | 122.7             | GGGG       |                     |                      | 162                     | 35                     |
| 2583-06350        | 00000/0000                                     | 2-20032/0196     | 08/27/76       | 90              | 8123                         | 5718N         | 08603E       | 38.8         | 147.2             | GGGG       |                     |                      | 180                     | 20                     |
| 2583-06352        | 00000/0000                                     | 2-20032/0197     | 08/27/76       | 80              | 8123                         | 5555N         | 08512E       | 39.7         | 145.6             | GGGG       |                     |                      | 180                     | 21                     |
| 2583-06355        | 00000/0000                                     | 2-20032/0198     | 08/27/76       | 70              | 8123                         | 5430N         | 08424E       | 40.6         | 144.1             | GGGG       |                     |                      | 180                     | 22                     |
| 2583-06361        | 00000/0000                                     | 2-20032/0199     | 08/27/76       | 30              | 8123                         | 5306N         | 08339E       | 41.5         | 142.6             | GGGG       |                     |                      | 180                     | 23                     |
| 2583-06364        | 00000/0000                                     | 2-20032/0200     | 08/27/76       | 10              | 8123                         | 5142N         | 08257E       | 42.4         | 141.0             | GGGG       |                     |                      | 180                     | 24                     |
| 2583-08195        | 00000/0000                                     | 2-20032/0256     | 08/27/76       | 10              | 8124                         | 5145N         | 02712E       | 42.3         | 141.1             | GGGG       |                     |                      | 198                     | 24                     |
| 2583-08202        | 00000/0000                                     | 2-20032/0257     | 08/27/76       | 10              | 8124                         | 5020N         | 02631E       | 43.2         | 139.6             | GGGG       |                     |                      | 198                     | 25                     |
| 2583-08204        | 00000/0000                                     | 2-20032/0258     | 08/27/76       | 10              | 8124                         | 4855N         | 02552E       | 44.0         | 138.0             | GGGG       |                     |                      | 198                     | 26                     |
| 2583-08211        | 00000/0000                                     | 2-20032/0259     | 08/27/76       | 20              | 8124                         | 4731N         | 02515E       | 44.8         | 136.5             | GGGG       |                     |                      | 198                     | 27                     |
| 2583-08213        | 00000/0000                                     | 2-20032/0260     | 08/27/76       | 30              | 8124                         | 4606N         | 02440E       | 45.6         | 134.9             | GGGG       |                     |                      | 198                     | 28                     |
| 2583-09595        | 00000/0000                                     | 2-20032/0261     | 08/27/76       | 10              | 8125                         | 6252N         | 00835E       | 34.8         | 153.7             | GGGG       |                     |                      | 216                     | 16                     |
| 2583-10001        | 00000/0000                                     | 2-20032/0262     | 08/27/76       | 10              | 8125                         | 6131N         | 00727E       | 35.8         | 152.0             | GGGG       |                     |                      | 216                     | 17                     |
| 2583-10004        | 00000/0000                                     | 2-20032/0263     | 08/27/76       | 10              | 8125                         | 6008N         | 00623E       | 36.8         | 150.4             | GGGG       |                     |                      | 216                     | 18                     |
| 2583-13421        | 2-20033/0075                                   | 00000/0000       | 08/27/76       | 40              | 8127                         | 0841N         | 06329W       | 52.2         | 85.0              | GGG        |                     |                      | 1                       | 54                     |
| 2583-13423        | 2-20033/0076                                   | 00000/0000       | 08/27/76       | 60              | 8127                         | 0714N         | 06349W       | 51.9         | 83.2              | GGG        |                     |                      | 1                       | 55                     |
| 2583-13430        | 2-20033/0077                                   | 00000/0000       | 08/27/76       | 80              | 8127                         | 0547N         | 06409W       | 51.4         | 81.4              | GGG        |                     |                      | 1                       | 56                     |
| 2583-15132        | 00000/0000                                     | 2-20032/0306     | 08/27/76       | 30              | 8128                         | 5019N         | 07647W       | 43.1         | 139.6             | GGGG       |                     |                      | 19                      | 25                     |
| 2583-16561        | 00000/0000                                     | 2-20032/0034     | 08/27/76       | 100             | 8129                         | 5144N         | 10154W       | 42.3         | 141.2             | GGGG       |                     |                      | 37                      | 24                     |
| 2583-16564        | 00000/0000                                     | 2-20032/0035     | 08/27/76       | 90              | 8129                         | 5020N         | 10235W       | 43.1         | 139.6             | GGGG       |                     |                      | 37                      | 25                     |
| 2583-18295        | 2-20033/0048                                   | 00000/0000       | 08/27/76       | 10              | 8130                         | 8014N         | 07121W       | 18.6         | 207.2             | GG         |                     |                      | 54                      | 1                      |
| 2583-18302        | 2-20033/0049                                   | 00000/0000       | 08/27/76       | 0               | 8130                         | 7934N         | 07846W       | 19.7         | 199.7             | GGG        |                     |                      | 54                      | 2                      |
| 2583-18304        | 2-20033/0050                                   | 00000/0000       | 08/27/76       | 10              | 8130                         | 7844N         | 08515W       | 20.9         | 193.1             | GGG        |                     |                      | 55                      | 3                      |
| 2583-20163        | 00000/0000                                     | 2-20032/0254     | 08/27/76       | 0               | 8131                         | 7206N         | 13427W       | 27.4         | 168.5             | GGGG       |                     |                      | 73                      | 9                      |
| 2583-20165        | 00000/0000                                     | 2-20032/0255     | 08/27/76       | 0               | 8131                         | 7050N         | 13646W       | 28.4         | 165.8             | GGGG       |                     |                      | 73                      | 10                     |
| 2584-01323        | 00000/0000                                     | 2-20032/0264     | 08/28/76       | 10              | 8134                         | 5145N         | 12901E       | 42.1         | 141.3             | GGGG       |                     |                      | 127                     | 24                     |
| 2584-01325        | 00000/0000                                     | 2-20032/0265     | 08/28/76       | 10              | 8134                         | 5020N         | 12821E       | 43.0         | 139.8             | GGGG       |                     |                      | 127                     | 25                     |
| 2584-01332        | 00000/0000                                     | 2-20032/0266     | 08/28/76       | 10              | 8134                         | 4855N         | 12742E       | 43.8         | 138.2             | GGGG       |                     |                      | 127                     | 26                     |
| 2584-01334        | 00000/0000                                     | 2-20032/0267     | 08/28/76       | 10              | 8134                         | 4730N         | 12705E       | 44.6         | 136.7             | GGGG       |                     |                      | 127                     | 27                     |
| 2584-01341        | 00000/0000                                     | 2-20032/0268     | 08/28/76       | 0               | 8134                         | 4605N         | 12630E       | 45.4         | 135.1             | GGGG       |                     |                      | 127                     | 28                     |
| 2584-01343        | 00000/0000                                     | 2-20032/0269     | 08/28/76       | 10              | 8134                         | 4439N         | 12556E       | 46.2         | 133.5             | GGGG       |                     |                      | 127                     | 29                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBV<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2584-01350        | 00000/0000                   | 2-20032/0270               | 08/28/76         | 10             | 8134            | 4315N                        | 12524E        | 46.9         | 131.8        | GGGG                               |                     |                      | 127                     | 30                     |
| 2584-01352        | 00000/0000                   | 2-20032/0271               | 08/28/76         | 20             | 8134            | 4149N                        | 12453E        | 47.6         | 130.2        | GGGG                               |                     |                      | 127                     | 31                     |
| 2584-01355        | 00000/0000                   | 2-20032/0272               | 08/28/76         | 10             | 8134            | 4023N                        | 12422E        | 48.3         | 128.5        | GGGG                               |                     |                      | 127                     | 32                     |
| 2584-01361        | 00000/0000                   | 2-20032/0273               | 08/28/76         | 40             | 8134            | 3857N                        | 12353E        | 48.9         | 126.7        | FGGG                               |                     |                      | 127                     | 33                     |
| 2584-03143        | 00000/0000                   | 2-20032/0274               | 08/28/76         | 10             | 8135            | 5557N                        | 10527E        | 39.4         | 145.9        | FFGG                               |                     |                      | 148                     | 21                     |
| 2584-03150        | 00000/0000                   | 2-20032/0275               | 08/28/76         | 10             | 8135            | 5433N                        | 10440E        | 40.3         | 144.3        | FFGG                               |                     |                      | 148                     | 22                     |
| 2584-03152        | 00000/0000                   | 2-20032/0276               | 08/28/76         | 10             | 8135            | 5309N                        | 10355E        | 41.2         | 142.8        | GGGG                               |                     |                      | 148                     | 23                     |
| 2584-03155        | 00000/0000                   | 2-20032/0277               | 08/28/76         | 30             | 8135            | 5145N                        | 10312E        | 42.1         | 141.3        | FGGG                               |                     |                      | 148                     | 24                     |
| 2584-04570        | 00000/0000                   | 2-20032/0278               | 08/28/76         | 80             | 8136            | 5843N                        | 08121E        | 37.5         | 148.9        | GGGG                               |                     |                      | 163                     | 19                     |
| 2584-04572        | 00000/0000                   | 2-20032/0279               | 08/28/76         | 80             | 8136            | 5721N                        | 08027E        | 38.5         | 147.4        | GGGG                               |                     |                      | 163                     | 20                     |
| 2584-04575        | 00000/0000                   | 2-20032/0280               | 08/28/76         | 80             | 8136            | 5557N                        | 07936E        | 39.4         | 145.9        | GGGG                               |                     |                      | 163                     | 21                     |
| 2584-04581        | 00000/0000                   | 2-20032/0281               | 08/28/76         | 40             | 8136            | 5433N                        | 07848E        | 40.3         | 144.4        | GGGG                               |                     |                      | 163                     | 22                     |
| 2584-04584        | 00000/0000                   | 2-20032/0282               | 08/28/76         | 20             | 8136            | 5309N                        | 07804E        | 41.2         | 142.8        | GGGG                               |                     |                      | 163                     | 23                     |
| 2584-04590        | 00000/0000                   | 2-20032/0283               | 08/28/76         | 30             | 8136            | 5144N                        | 07721E        | 42.1         | 141.3        | GGGF                               |                     |                      | 163                     | 24                     |
| 2584-04593        | 00000/0000                   | 2-20032/0284               | 08/28/76         | 80             | 8136            | 5019N                        | 07641E        | 43.0         | 139.8        | GGGG                               |                     |                      | 163                     | 25                     |
| 2584-05031        | 00000/0000                   | 2-20032/0285               | 08/28/76         | 10             | 8136            | 3730N                        | 07146E        | 49.5         | 125.0        | GGGG                               |                     |                      | 163                     | 34                     |
| 2584-05034        | 00000/0000                   | 2-20032/0286               | 08/28/76         | 90             | 8136            | 3604N                        | 07118E        | 50.1         | 123.2        | GGGG                               |                     |                      | 163                     | 35                     |
| 2584-05040        | 00000/0000                   | 2-20032/0287               | 08/28/76         | 20             | 8136            | 3438N                        | 07052E        | 50.6         | 121.4        | GGGG                               |                     |                      | 163                     | 36                     |
| 2584-05043        | 00000/0000                   | 2-20032/0288               | 08/28/76         | 10             | 8136            | 3313N                        | 07026E        | 51.1         | 119.5        | GGGG                               |                     |                      | 163                     | 37                     |
| 2584-05045        | 00000/0000                   | 2-20032/0289               | 08/28/76         | 20             | 8136            | 3147N                        | 07001E        | 51.5         | 117.6        | GGGG                               |                     |                      | 163                     | 38                     |
| 2584-05052        | 00000/0000                   | 2-20032/0290               | 08/28/76         | 10             | 8136            | 3021N                        | 06936E        | 52.0         | 115.6        | GGGG                               |                     |                      | 163                     | 39                     |
| 2584-05054        | 00000/0000                   | 2-20032/0291               | 08/28/76         | 10             | 8136            | 2855N                        | 06911E        | 52.3         | 113.7        | GGGG                               |                     |                      | 163                     | 40                     |
| 2584-05061        | 00000/0000                   | 2-20032/0292               | 08/28/76         | 10             | 8136            | 2729N                        | 06848E        | 52.6         | 111.7        | GGGG                               |                     |                      | 163                     | 41                     |
| 2584-05063        | 00000/0000                   | 2-20032/0450               | 08/28/76         | 10             | 8136            | 2642N                        | 06824E        | 52.9         | 109.6        | GGGG                               |                     |                      | 163                     | 42                     |
| 2584-05070        | 00000/0000                   | 2-20032/0451               | 08/28/76         | 10             | 8136            | 2436N                        | 06802E        | 53.1         | 107.6        | GGGG                               |                     |                      | 163                     | 43                     |
| 2584-05072        | 00000/0000                   | 2-20032/0452               | 08/28/76         | 20             | 8136            | 2309N                        | 06739E        | 53.3         | 105.6        | GGGG                               |                     |                      | 163                     | 44                     |
| 2584-06401        | 00000/0000                   | 2-20032/0453               | 08/28/76         | 90             | 8137            | 5844N                        | 05534E        | 37.5         | 148.9        | GGG                                |                     |                      | 181                     | 19                     |
| 2584-06410        | 00000/0000                   | 2-20032/0150               | 08/28/76         | 90             | 8137            | 5556N                        | 05349E        | 39.4         | 145.9        | GGGG                               |                     |                      | 181                     | 21                     |
| 2584-06413        | 00000/0000                   | 2-20032/0151               | 08/28/76         | 90             | 8137            | 5433N                        | 05301E        | 40.3         | 144.4        | GGGG                               |                     |                      | 181                     | 22                     |
| 2584-06415        | 00000/0000                   | 2-20032/0152               | 08/28/76         | 40             | 8137            | 5309N                        | 05216E        | 41.2         | 142.9        | GGGG                               |                     |                      | 181                     | 23                     |
| 2584-06422        | 00000/0000                   | 2-20032/0153               | 08/28/76         | 10             | 8137            | 5144N                        | 05133E        | 42.1         | 141.3        | GGGG                               |                     |                      | 181                     | 24                     |
| 2584-06424        | 00000/0000                   | 2-20032/0154               | 08/28/76         | 10             | 8137            | 5019N                        | 05053E        | 42.7         | 139.8        | GGGG                               |                     |                      | 181                     | 25                     |
| 2584-06431        | 00000/0000                   | 2-20032/0155               | 08/28/76         | 10             | 8137            | 4854N                        | 05014E        | 43.8         | 138.3        | GGGG                               |                     |                      | 181                     | 26                     |
| 2584-06433        | 00000/0000                   | 2-20032/0156               | 08/28/76         | 30             | 8137            | 4729N                        | 04938E        | 44.6         | 136.7        | GGGG                               |                     |                      | 181                     | 27                     |
| 2584-06440        | 00000/0000                   | 2-20032/0157               | 08/28/76         | 10             | 8137            | 4603N                        | 04903E        | 45.4         | 135.1        | GGGF                               |                     |                      | 181                     | 28                     |
| 2584-06442        | 00000/0000                   | 2-20032/0158               | 08/28/76         | 10             | 8137            | 4438N                        | 04830E        | 46.1         | 133.5        | FFFF                               |                     |                      | 181                     | 29                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROL<br>POSITION<br>RBY | ROL NO./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------|---------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2584-06445        | 00000/0000                       | 2-20032/0159              | 08/28/76         | 10             | 8137            | 4313N                              | 04757E                              | 46.9         | 131.9        | GFFF                               |                     |                      | 181                     | 30                     |
| 2584-06451        | 00000/0000                       | 2-20032/0160              | 08/28/76         | 10             | 8137            | 4147N                              | 04726E                              | 47.6         | 130.2        | GFGF                               |                     |                      | 181                     | 31                     |
| 2584-06454        | 00000/0000                       | 2-20032/0161              | 08/28/76         | 0              | 8137            | 4022N                              | 04656E                              | 48.3         | 128.5        | GGGG                               |                     |                      | 181                     | 32                     |
| 2584-06460        | 00000/0000                       | 2-20032/0162              | 08/28/76         | 0              | 8137            | 3856N                              | 04626E                              | 48.9         | 126.8        | FGGG                               |                     |                      | 181                     | 33                     |
| 2584-06463        | 00000/0000                       | 2-20032/0163              | 08/28/76         | 0              | 8137            | 3731N                              | 04538E                              | 49.5         | 125.0        | GGGG                               |                     |                      | 181                     | 34                     |
| 2584-06465        | 00000/0000                       | 2-20032/0164              | 08/28/76         | 0              | 8137            | 3605N                              | 04530E                              | 50.1         | 123.2        | GGGG                               |                     |                      | 181                     | 35                     |
| 2584-06472        | 00000/0000                       | 2-20032/0165              | 08/28/76         | 0              | 8137            | 3439N                              | 04503E                              | 50.6         | 121.4        | GGGG                               |                     |                      | 181                     | 36                     |
| 2584-06474        | 00000/0000                       | 2-20032/0166              | 08/28/76         | 0              | 8137            | 3313N                              | 04438E                              | 51.1         | 119.5        | GGGG                               |                     |                      | 181                     | 37                     |
| 2584-06481        | 00000/0000                       | 2-20032/0167              | 08/28/76         | 0              | 8137            | 3147N                              | 04413E                              | 51.5         | 117.6        | PFFF                               |                     |                      | 181                     | 38                     |
| 2584-08244        | 00000/0000                       | 2-20032/0454              | 08/28/76         | 10             | 8138            | 5432N                              | 02712E                              | 40.3         | 144.4        | PPPP                               |                     |                      | 199                     | 22                     |
| 2584-08253        | 00000/0000                       | 2-20032/0455              | 08/28/76         | 10             | 8138            | 5143N                              | 02543E                              | 42.1         | 141.4        | GGGG                               |                     |                      | 199                     | 24                     |
| 2584-08260        | 00000/0000                       | 2-20032/0456              | 08/28/76         | 10             | 8138            | 5018N                              | 02502E                              | 42.9         | 139.8        | GGGG                               |                     |                      | 199                     | 25                     |
| 2584-08262        | 00000/0000                       | 2-20032/0457              | 08/28/76         | 20             | 8138            | 4854N                              | 02424E                              | 43.8         | 138.3        | FGGG                               |                     |                      | 199                     | 26                     |
| 2584-08265        | 00000/0000                       | 2-20032/0458              | 08/28/76         | 10             | 8138            | 4729N                              | 02347E                              | 44.6         | 136.7        | GGGG                               |                     |                      | 199                     | 27                     |
| 2584-12182        | 00000/0000                       | 2-20032/0459              | 08/28/76         | 90             | 8140            | 3851S                              | 05111W                              | 24.9         | 52.5         | GGGG                               |                     |                      | 235                     | 87                     |
| 2584-17013        | 00000/0000                       | 2-20032/0354              | 08/28/76         | 100            | 8143            | 5310N                              | 10238W                              | 41.1         | 143.0        | GGGG                               |                     |                      | 38                      | 23                     |
| 2584-17015        | 00000/0000                       | 2-20032/0355              | 08/28/76         | 90             | 8143            | 5146N                              | 10321W                              | 41.9         | 141.5        | GGGG                               |                     |                      | 38                      | 24                     |
| 2584-17022        | 00000/0000                       | 2-20032/0356              | 08/28/76         | 80             | 8143            | 5021N                              | 10401W                              | 42.8         | 140.0        | GGGG                               |                     |                      | 38                      | 25                     |
| 2584-18351        | 2-20032/0351                     | 00000/0000                | 08/28/76         | 10             | 8144            | 8044N                              | 06419W                              | 17.1         | 215.8        | GGG                                |                     |                      | 43                      | 247                    |
| 2584-18353        | 2-20032/0352                     | 00000/0000                | 08/28/76         | 10             | 8144            | 8014N                              | 07239W                              | 18.2         | 207.4        | GGG                                |                     |                      | 55                      | 1                      |
| 2584-18360        | 2-20032/0353                     | 00000/0000                | 08/28/76         | 10             | 8144            | 7934N                              | 08014W                              | 19.4         | 199.9        | GGG                                |                     |                      | 55                      | 2                      |
| 2584-22053        | 00000/0000                       | 2-20032/0442              | 08/28/76         | 30             | 8146            | 7207N                              | 16137W                              | 27.0         | 168.6        | GGGG                               |                     |                      | 92                      | 9                      |
| 2585-01384        | 00000/0000                       | 2-20032/0293              | 08/29/76         | 10             | 8148            | 5019N                              | 12652E                              | 42.7         | 140.0        | GGGG                               |                     |                      | 128                     | 25                     |
| 2585-01390        | 00000/0000                       | 2-20032/0294              | 08/29/76         | 20             | 8148            | 4854N                              | 12614E                              | 43.6         | 138.5        | GGGG                               |                     |                      | 128                     | 26                     |
| 2585-01393        | 00000/0000                       | 2-20032/0295              | 08/29/76         | 90             | 8148            | 4729N                              | 12538E                              | 44.4         | 136.9        | GGGG                               |                     |                      | 128                     | 27                     |
| 2585-01395        | 00000/0000                       | 2-20032/0296              | 08/29/76         | 80             | 8148            | 4604N                              | 12504E                              | 45.2         | 135.4        | GGGG                               |                     |                      | 128                     | 28                     |
| 2585-01402        | 00000/0000                       | 2-20032/0297              | 08/29/76         | 70             | 8148            | 4438N                              | 12431E                              | 45.9         | 133.8        | GGGG                               |                     |                      | 128                     | 29                     |
| 2585-01404        | 00000/0000                       | 2-20032/0298              | 08/29/76         | 80             | 8148            | 4313N                              | 12358E                              | 46.7         | 132.2        | GGGG                               |                     |                      | 128                     | 30                     |
| 2585-01411        | 00000/0000                       | 2-20032/0299              | 08/29/76         | 80             | 8148            | 4147N                              | 12326E                              | 47.4         | 130.5        | GGGG                               |                     |                      | 128                     | 31                     |
| 2585-01413        | 00000/0000                       | 2-20032/0300              | 08/29/76         | 70             | 8148            | 4021N                              | 12256E                              | 48.1         | 128.8        | GGGG                               |                     |                      | 128                     | 32                     |
| 2585-01420        | 00000/0000                       | 2-20032/0301              | 08/29/76         | 90             | 8148            | 3856N                              | 12227E                              | 48.7         | 127.1        | GGGG                               |                     |                      | 128                     | 33                     |
| 2585-03201        | 00000/0000                       | 2-20032/0302              | 08/29/76         | 60             | 8149            | 5555N                              | 10400E                              | 39.1         | 146.0        | GGGG                               |                     |                      | 146                     | 21                     |
| 2585-03204        | 00000/0000                       | 2-20032/0303              | 08/29/76         | 50             | 8149            | 5431N                              | 10312E                              | 40.0         | 144.5        | GGGG                               |                     |                      | 146                     | 22                     |
| 2585-03210        | 00000/0000                       | 2-20032/0304              | 08/29/76         | 10             | 8149            | 5307N                              | 10228E                              | 40.9         | 143.0        | GGGG                               |                     |                      | 146                     | 23                     |
| 2585-03213        | 00000/0000                       | 2-20032/0305              | 08/29/76         | 20             | 8149            | 5143N                              | 10145E                              | 41.8         | 141.5        | FFFF                               |                     |                      | 146                     | 24                     |
| 2585-05033        | 00000/0000                       | 2-20032/0333              | 08/29/76         | 100            | 8150            | 5555N                              | 07408E                              | 39.1         | 146.1        | GGGG                               |                     |                      | 164                     | 21                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2585-05035        | 00000/0000                   | 2-20032/0334                | 08/29/76         | 100            | 8150            | 5431N                        | 07720E        | 40.0         | 144.6        | GGGG                  |                     |                      |                         |                        |
| 2585-05042        | 00000/0000                   | 2-20032/0335                | 08/29/76         | 100            | 8150            | 5307N                        | 07635E        | 40.9         | 143.1        | GGGG                  |                     |                      | 164                     | 22                     |
| 2585-05044        | 00000/0000                   | 2-20032/0336                | 08/29/76         | 70             | 8150            | 5142N                        | 07553E        | 41.8         | 141.6        | GGGG                  |                     |                      | 164                     | 23                     |
| 2585-05051        | 00000/0000                   | 2-20032/0337                | 08/29/76         | 40             | 8150            | 5018N                        | 07513E        | 42.7         | 140.0        | GGGG                  |                     |                      | 164                     | 24                     |
| 2585-05085        | 00000/0000                   | 2-20032/0338                | 08/29/76         | 0              | 8150            | 3730N                        | 07017E        | 49.3         | 125.4        | GGGG                  |                     |                      | 164                     | 25                     |
| 2585-05112        | 00000/0000                   | 2-20032/0168                | 08/29/76         | 10             | 8150            | 2853N                        | 06745E        | 52.2         | 114.2        | GGGG                  |                     |                      | 164                     | 34                     |
| 2585-05116        | 00000/0000                   | 2-20032/0169                | 08/29/76         | 0              | 8150            | 2726N                        | 06721E        | 52.5         | 112.2        | G                     |                     |                      | 164                     | 40                     |
| 2585-05121        | 00000/0000                   | 2-20032/0170                | 08/29/76         | 10             | 8150            | 2600N                        | 06658E        | 52.8         | 110.2        | GGGG                  |                     |                      | 164                     | 41                     |
| 2585-05124        | 00000/0000                   | 2-20032/0171                | 08/29/76         | 10             | 8150            | 2494N                        | 06635E        | 53.0         | 108.1        | GGGG                  |                     |                      | 164                     | 42                     |
| 2585-05130        | 00000/0000                   | 2-20032/0172                | 08/29/76         | 30             | 8150            | 2307N                        | 06612E        | 53.2         | 106.1        | GGGG                  |                     |                      | 164                     | 43                     |
| 2585-06464        | 00000/0000                   | 2-20032/0173                | 08/29/76         | 90             | 8151            | 5558N                        | 05724E        | 39.0         | 146.1        | GGGG                  |                     |                      | 164                     | 44                     |
| 2585-06471        | 00000/0000                   | 2-20032/0174                | 08/29/76         | 90             | 8151            | 5434N                        | 05136E        | 40.0         | 144.6        | GGGG                  |                     |                      | 182                     | 21                     |
| 2585-06473        | 00000/0000                   | 2-20032/0175                | 08/29/76         | 30             | 8151            | 5310N                        | 05050E        | 40.9         | 143.1        | GGGG                  |                     |                      | 182                     | 22                     |
| 2585-06480        | 00000/0000                   | 2-20032/0176                | 08/29/76         | 0              | 8151            | 5145N                        | 05008E        | 41.8         | 141.6        | GGGG                  |                     |                      | 182                     | 23                     |
| 2585-06494        | 00000/0000                   | 2-20032/0177                | 08/29/76         | 30             | 8151            | 4606N                        | 04736E        | 45.1         | 135.5        | GGGG                  |                     |                      | 182                     | 24                     |
| 2585-06530        | 00000/0000                   | 2-20032/0178                | 08/29/76         | 0              | 8151            | 3440N                        | 04338E        | 50.4         | 121.9        | GGGG                  |                     |                      | 182                     | 25                     |
| 2585-06532        | 00000/0000                   | 2-20032/0179                | 08/29/76         | 0              | 8151            | 3315N                        | 04312E        | 50.9         | 120.0        | GGGG                  |                     |                      | 182                     | 34                     |
| 2585-08303        | 00000/0000                   | 2-20032/0180                | 08/29/76         | 10             | 8152            | 5433N                        | 02545E        | 39.9         | 144.6        | GGGG                  |                     |                      | 200                     | 37                     |
| 2585-08305        | 00000/0000                   | 2-20032/0181                | 08/29/76         | 10             | 8152            | 5309N                        | 02500E        | 40.9         | 143.1        | GGGG                  |                     |                      | 200                     | 22                     |
| 2585-08312        | 00000/0000                   | 2-20032/0182                | 08/29/76         | 0              | 8152            | 5144N                        | 02417E        | 41.7         | 141.6        | GGGG                  |                     |                      | 200                     | 23                     |
| 2585-08314        | 00000/0000                   | 2-20032/0183                | 08/29/76         | 10             | 8152            | 5020N                        | 02336E        | 42.6         | 140.1        | GGGG                  |                     |                      | 200                     | 24                     |
| 2585-12202        | 00000/0000                   | 2-20032/0184                | 08/29/76         | 30             | 8154            | 2555S                        | 04849W        | 34.7         | 56.4         | GGGG                  |                     |                      | 200                     | 25                     |
| 2585-12211        | 00000/0000                   | 2-20032/0185                | 08/29/76         | 10             | 8154            | 2848S                        | 04936W        | 32.7         | 55.3         | GGGG                  |                     |                      | 236                     | 78                     |
| 2585-13501        | 2-20033/0100                 | 00000/0000                  | 08/29/76         | 30             | 8155            | 2010N                        | 06336W        | 53.4         | 102.1        | GGG                   |                     |                      | 236                     | 80                     |
| 2585-13504        | 2-20033/0101                 | 00000/0000                  | 08/29/76         | 40             | 8155            | 1844N                        | 06358W        | 53.4         | 100.1        | GGG                   |                     |                      | 3                       | 46                     |
| 2585-13510        | 2-20033/0102                 | 00000/0000                  | 08/29/76         | 40             | 8155            | 1717N                        | 06419W        | 53.4         | 98.0         | GGG                   |                     |                      | 3                       | 47                     |
| 2585-15242        | 00000/0000                   | 2-20032/0036                | 08/29/76         | 100            | 8156            | 5144N                        | 07857W        | 41.7         | 141.7        | GGGG                  |                     |                      | 3                       | 48                     |
| 2585-15244        | 00000/0000                   | 2-20032/0037                | 08/29/76         | 90             | 8156            | 5020N                        | 07937W        | 42.5         | 140.2        | GGGG                  |                     |                      | 21                      | 24                     |
| 2585-17060        | 00000/0000                   | 2-20032/0361                | 08/29/76         | 90             | 8157            | 5720N                        | 10142W        | 38.0         | 147.7        | GGGG                  |                     |                      | 21                      | 25                     |
| 2585-17062        | 00000/0000                   | 2-20032/0362                | 08/29/76         | 50             | 8157            | 5556N                        | 10233W        | 38.9         | 146.2        | GGGG                  |                     |                      | 39                      | 20                     |
| 2585-17065        | 00000/0000                   | 2-20032/0363                | 08/29/76         | 10             | 8157            | 5433N                        | 10321W        | 39.9         | 144.7        | GGGG                  |                     |                      | 39                      | 21                     |
| 2585-17071        | 00000/0000                   | 2-20032/0364                | 08/29/76         | 20             | 8157            | 5308N                        | 10406W        | 40.8         | 143.2        | GGGG                  |                     |                      | 39                      | 22                     |
| 2585-17074        | 00000/0000                   | 2-20032/0365                | 08/29/76         | 10             | 8157            | 5144N                        | 10448W        | 41.6         | 141.7        | GGGG                  |                     |                      | 39                      | 23                     |
| 2585-17080        | 00000/0000                   | 2-20032/0366                | 08/29/76         | 30             | 8157            | 5019N                        | 10528W        | 42.5         | 140.2        | GGGG                  |                     |                      | 39                      | 24                     |
| 2585-18405        | 2-20033/0103                 | 00000/0000                  | 08/29/76         | 90             | 8158            | 8044N                        | 06621W        | 16.8         | 215.3        | GGG                   |                     |                      | 44                      | 25                     |
| 2585-18412        | 2-20033/0104                 | 00000/0000                  | 08/29/76         | 80             | 8158            | 8013N                        | 07438W        | 17.9         | 207.0        | GGG                   |                     |                      | 56                      | 247                    |
|                   |                              |                             |                  |                |                 |                              |               |              |              |                       |                     |                      |                         | 1                      |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | ISS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2585-18414        | 2-20033/0100                                   | 08/29/76         | 60             | 8158            | 7932N                              | 08158W                              | 19.1         | 199.5        | GG                                 |                     |                      | 57                      | 2                      |
| 2585-20273        | 00000/0000                                     | 08/29/76         | 0              | 8159            | 7321N                              | 13432W                              | 25.6         | 171.6        | GGGG                               |                     |                      | 75                      | 8                      |
| 2585-20275        | 00000/0000                                     | 08/29/76         | 10             | 8159            | 7206N                              | 13712W                              | 26.7         | 168.7        | GGGG                               |                     |                      | 75                      | 9                      |
| 2585-20282        | 00000/0000                                     | 08/29/76         | 50             | 8159            | 7050N                              | 13933W                              | 27.7         | 166.0        | GGGG                               |                     |                      | 75                      | 10                     |
| 2585-22113        | 00000/0000                                     | 08/29/76         | 10             | 8160            | 7053N                              | 16520W                              | 27.7         | 166.1        | GGGG                               |                     |                      | 93                      | 10                     |
| 2586-01442        | 00000/0000                                     | 08/30/76         | 70             | 8162            | 5020N                              | 12629E                              | 42.4         | 140.3        | GGGG                               |                     |                      | 129                     | 25                     |
| 2586-01444        | 00000/0000                                     | 08/30/76         | 80             | 8162            | 4856N                              | 12451E                              | 43.2         | 138.8        | FFFF                               |                     |                      | 129                     | 26                     |
| 2586-01451        | 00000/0000                                     | 08/30/76         | 100            | 8162            | 4731N                              | 12414E                              | 44.1         | 137.3        | GGGG                               |                     |                      | 129                     | 27                     |
| 2586-01453        | 00000/0000                                     | 08/30/76         | 90             | 8162            | 4605N                              | 12339E                              | 44.9         | 135.7        | GGGG                               |                     |                      | 129                     | 28                     |
| 2586-01460        | 00000/0000                                     | 08/30/76         | 80             | 8162            | 4439N                              | 12304E                              | 45.7         | 134.2        | GGGG                               |                     |                      | 129                     | 29                     |
| 2586-01462        | 00000/0000                                     | 08/30/76         | 60             | 8162            | 4314N                              | 12232E                              | 46.4         | 132.6        | GGGG                               |                     |                      | 129                     | 30                     |
| 2586-01465        | 00000/0000                                     | 08/30/76         | 50             | 8162            | 4148N                              | 12201E                              | 47.1         | 130.9        | GGGG                               |                     |                      | 129                     | 31                     |
| 2586-01471        | 00000/0000                                     | 08/30/76         | 40             | 8162            | 4023N                              | 12131E                              | 47.8         | 129.3        | GGGG                               |                     |                      | 129                     | 32                     |
| 2586-01474        | 00000/0000                                     | 08/30/76         | 30             | 8162            | 3857N                              | 12102E                              | 48.5         | 127.6        | GGGG                               |                     |                      | 129                     | 33                     |
| 2586-01480        | 00000/0000                                     | 08/30/76         | 10             | 8162            | 3731N                              | 12034E                              | 49.1         | 125.8        | GGGG                               |                     |                      | 129                     | 34                     |
| 2586-01483        | 00000/0000                                     | 08/30/76         | 10             | 8162            | 3606N                              | 12006E                              | 49.7         | 124.1        | GGGG                               |                     |                      | 129                     | 35                     |
| 2586-01485        | 00000/0000                                     | 08/30/76         | 20             | 8162            | 3440N                              | 11940E                              | 50.2         | 122.2        | GGGG                               |                     |                      | 129                     | 36                     |
| 2586-03260        | 00000/0000                                     | 08/30/76         | 100            | 8163            | 5557N                              | 10734E                              | 38.8         | 146.3        | GGGG                               |                     |                      | 147                     | 21                     |
| 2586-03262        | 00000/0000                                     | 08/30/76         | 90             | 8163            | 5434N                              | 10146E                              | 39.7         | 144.8        | GGGG                               |                     |                      | 147                     | 22                     |
| 2586-03265        | 00000/0000                                     | 08/30/76         | 80             | 8163            | 5309N                              | 10100E                              | 40.6         | 143.3        | GGGG                               |                     |                      | 147                     | 23                     |
| 2586-05082        | 00000/0000                                     | 08/30/76         | 90             | 8164            | 5843N                              | 07831E                              | 36.8         | 149.3        | GGGG                               |                     |                      | 165                     | 19                     |
| 2586-05085        | 00000/0000                                     | 08/30/76         | 90             | 8164            | 5720N                              | 07737E                              | 37.8         | 147.8        | GGGG                               |                     |                      | 165                     | 20                     |
| 2586-05094        | 00000/0000                                     | 08/30/76         | 90             | 8164            | 5433N                              | 07558E                              | 39.7         | 144.8        | GGGG                               |                     |                      | 165                     | 22                     |
| 2586-05100        | 00000/0000                                     | 08/30/76         | 80             | 8164            | 5309N                              | 07512E                              | 40.6         | 143.3        | GGGG                               |                     |                      | 165                     | 23                     |
| 2586-05103        | 00000/0000                                     | 08/30/76         | 40             | 8164            | 5144N                              | 07429E                              | 41.5         | 141.9        | GGGG                               |                     |                      | 165                     | 24                     |
| 2586-05105        | 00000/0000                                     | 08/30/76         | 10             | 8164            | 5019N                              | 07349E                              | 42.4         | 140.4        | GGGG                               |                     |                      | 165                     | 25                     |
| 2586-05135        | 00000/0000                                     | 08/30/76         | 0              | 8164            | 4023N                              | 06950E                              | 47.8         | 129.3        | GGGG                               |                     |                      | 165                     | 32                     |
| 2586-05182        | 00000/0000                                     | 08/30/76         | 50             | 8164            | 2434N                              | 06510E                              | 52.9         | 108.7        | GGGG                               |                     |                      | 165                     | 43                     |
| 2586-05185        | 00000/0000                                     | 08/30/76         | 50             | 8164            | 2309N                              | 06448E                              | 53.1         | 106.7        | GGGG                               |                     |                      | 165                     | 44                     |
| 2586-06514        | 00000/0000                                     | 08/30/76         | 60             | 8165            | 5844N                              | 05241E                              | 36.8         | 149.3        | GGGG                               |                     |                      | 183                     | 19                     |
| 2586-06520        | 00000/0000                                     | 08/30/76         | 60             | 8165            | 5720N                              | 05146E                              | 37.8         | 147.8        | GGGG                               |                     |                      | 183                     | 20                     |
| 2586-06523        | 00000/0000                                     | 08/30/76         | 20             | 8165            | 5556N                              | 05055E                              | 38.7         | 146.3        | GGGG                               |                     |                      | 183                     | 21                     |
| 2586-06532        | 00000/0000                                     | 08/30/76         | 20             | 8165            | 5308N                              | 04922E                              | 40.6         | 143.4        | GGGG                               |                     |                      | 183                     | 23                     |
| 2586-06534        | 00000/0000                                     | 08/30/76         | 20             | 8165            | 5143N                              | 04839E                              | 41.5         | 141.9        | GGGG                               |                     |                      | 183                     | 24                     |
| 2586-06541        | 00000/0000                                     | 08/30/76         | 20             | 8165            | 5018N                              | 04759E                              | 42.3         | 140.4        | GGGG                               |                     |                      | 183                     | 25                     |
| 2586-06543        | 00000/0000                                     | 08/30/76         | 20             | 8165            | 4854N                              | 04720E                              | 43.2         | 138.9        | GGGG                               |                     |                      | 183                     | 26                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2586-06550        | 00000/0000 2-20032/0400                        | 08/30/76         | 90             | 8165            | 4729N                              | 04443E                              | 44.0         | 137.3        |                                    |                     |                      |                         |                        |
| 2586-06552        | 00000/0000 2-20032/0401                        | 08/30/76         | 90             | 8165            | 4604N                              | 04608E                              | 44.8         | 135.8        | GGGG                               |                     |                      | 183                     | 27                     |
| 2586-06555        | 00000/0000 2-20032/0402                        | 08/30/76         | 90             | 8165            | 4438N                              | 04534E                              | 45.6         | 134.2        | GGGG                               |                     |                      | 183                     | 28                     |
| 2586-06561        | 00000/0000 2-20032/0403                        | 08/30/76         | 40             | 8165            | 4313N                              | 04502E                              | 46.4         | 132.6        | GGGG                               |                     |                      | 183                     | 29                     |
| 2586-06564        | 00000/0000 2-20032/0404                        | 08/30/76         | 20             | 8165            | 4148N                              | 04431E                              | 47.1         | 131.0        | GGGG                               |                     |                      | 183                     | 30                     |
| 2586-06570        | 00000/0000 2-20032/0405                        | 08/30/76         | 10             | 8165            | 4022N                              | 04401E                              | 47.8         | 129.3        | GGGG                               |                     |                      | 183                     | 31                     |
| 2586-06573        | 00000/0000 2-20032/0406                        | 08/30/76         | 10             | 8165            | 3856N                              | 04332E                              | 48.4         | 127.6        | GGGG                               |                     |                      | 183                     | 32                     |
| 2586-08345        | 00000/0000 2-20032/0218                        | 08/30/76         | 10             | 8166            | 5843N                              | 02654E                              | 36.8         | 149.4        | GGGG                               |                     |                      | 201                     | 33                     |
| 2586-08352        | 00000/0000 2-20032/0219                        | 08/30/76         | 10             | 8166            | 5720N                              | 02559E                              | 37.8         | 147.8        | GGGG                               |                     |                      | 201                     | 19                     |
| 2586-08354        | 00000/0000 2-20032/0220                        | 08/30/76         | 10             | 8166            | 5556N                              | 02508E                              | 38.7         | 146.3        | GGGG                               |                     |                      | 201                     | 20                     |
| 2586-08361        | 00000/0000 2-20032/0676                        | 08/30/76         | 20             | 8166            | 5432N                              | 02420E                              | 39.7         | 144.9        | GGGG                               |                     |                      | 201                     | 21                     |
| 2586-08363        | 00000/0000 2-20032/0677                        | 08/30/76         | 10             | 8166            | 5208N                              | 02334E                              | 40.6         | 143.4        | GGGG                               |                     |                      | 201                     | 22                     |
| 2586-08445        | 00000/0000 2-20032/0678                        | 08/30/76         | 0              | 8166            | 2434N                              | 01332E                              | 52.9         | 108.8        | GGGG                               |                     |                      | 201                     | 23                     |
| 2586-12242        | 00000/0000 2-20032/0679                        | 08/30/76         | 10             | 8168            | 2012S                              | 04846W                              | 38.8         | 59.5         | GGGG                               |                     |                      | 201                     | 43                     |
| 2586-12245        | 00000/0000 2-20032/0680                        | 08/30/76         | 40             | 8168            | 2139S                              | 04907W                              | 37.9         | 58.7         | GGGG                               |                     |                      | 237                     | 74                     |
| 2586-12251        | 00000/0000 2-20032/0681                        | 08/30/76         | 50             | 8168            | 2305S                              | 04930W                              | 36.9         | 58.0         | GGGG                               |                     |                      | 237                     | 75                     |
| 2586-12254        | 00000/0000 2-20032/0682                        | 08/30/76         | 50             | 8168            | 2431S                              | 04952W                              | 36.0         | 57.3         | GGGG                               |                     |                      | 237                     | 76                     |
| 2586-12260        | 00000/0000 2-20032/0683                        | 08/30/76         | 10             | 8168            | 2558S                              | 05015W                              | 35.0         | 56.7         | FFFF                               |                     |                      | 237                     | 77                     |
| 2586-12263        | 00000/0000 2-20032/0684                        | 08/30/76         | 10             | 8168            | 2724S                              | 05039W                              | 34.0         | 56.1         | GGGG                               |                     |                      | 237                     | 78                     |
| 2586-12265        | 00000/0000 2-20032/0685                        | 08/30/76         | 0              | 8168            | 2850S                              | 05103W                              | 32.9         | 55.5         | FFFF                               |                     |                      | 237                     | 79                     |
| 2586-12272        | 00000/0000 2-20032/0686                        | 08/30/76         | 0              | 8168            | 3016S                              | 05127W                              | 31.9         | 55.0         | FFFF                               |                     |                      | 237                     | 80                     |
| 2586-13560        | 2-20033/0106 00000/0000                        | 08/30/76         | 50             | 8169            | 1948N                              | 06508W                              | 53.3         | 102.2        | GGG                                |                     |                      | 4                       | 81                     |
| 2586-13563        | 2-20033/0107 00000/0000                        | 08/30/76         | 30             | 8169            | 1821N                              | 06530W                              | 53.4         | 100.1        | GFG                                |                     |                      | 4                       | 46                     |
| 2586-13565        | 2-20033/0108 00000/0000                        | 08/30/76         | 40             | 8169            | 1655N                              | 06551W                              | 53.4         | 98.1         | GG                                 |                     |                      | 4                       | 47                     |
| 2586-15303        | 00000/0000 2-20032/0367                        | 08/30/76         | 20             | 8170            | 5021N                              | 08102W                              | 42.2         | 140.5        | GGGG                               |                     |                      | 4                       | 48                     |
| 2586-17114        | 00000/0000 2-20032/0411                        | 08/30/76         | 50             | 8171            | 5722N                              | 10306W                              | 37.6         | 147.9        | GGGG                               |                     |                      | 22                      | 25                     |
| 2586-17120        | 00000/0000 2-20032/0412                        | 08/30/76         | 40             | 8171            | 5558N                              | 10357W                              | 38.6         | 146.5        | GGGG                               |                     |                      | 40                      | 20                     |
| 2586-17123        | 00000/0000 2-20032/0413                        | 08/30/76         | 10             | 8171            | 5434W                              | 10446W                              | 39.5         | 145.0        | GGGG                               |                     |                      | 40                      | 21                     |
| 2586-17125        | 00000/0000 2-20032/0414                        | 08/30/76         | 10             | 8171            | 5310N                              | 10531W                              | 40.4         | 143.5        | GGGG                               |                     |                      | 40                      | 22                     |
| 2586-17132        | 00000/0000 2-20032/0415                        | 08/30/76         | 10             | 8171            | 5145N                              | 10613W                              | 41.3         | 142.0        | GGGG                               |                     |                      | 40                      | 23                     |
| 2586-17134        | 00000/0000 2-20032/0416                        | 08/30/76         | 20             | 8171            | 5021N                              | 10654W                              | 42.2         | 140.5        | GGGG                               |                     |                      | 40                      | 24                     |
| 2586-18470        | 2-20033/0109 00000/0000                        | 08/30/76         | 90             | 8172            | 8013N                              | 07546W                              | 17.5         | 207.2        | GGG                                |                     |                      | 57                      | 1                      |
| 2586-18473        | 2-20033/0110 00000/0000                        | 08/30/76         | 60             | 8172            | 7932N                              | 08309W                              | 18.7         | 199.8        | GGG                                |                     |                      | 57                      | 2                      |
| 2586-20333        | 00000/0000 2-20032/0436                        | 08/30/76         | 10             | 8173            | 7208N                              | 13838W                              | 26.3         | 168.8        | GGG                                |                     |                      | 57                      | 9                      |
| 2586-22172        | 00000/0000 2-20032/0637                        | 08/30/76         | 90             | 8174            | 7050N                              | 16648W                              | 27.4         | 166.2        | GGGG                               |                     |                      | 94                      | 10                     |
| 2586-22174        | 00000/0000 2-20032/0638                        | 08/30/76         | 70             | 8174            | 6934N                              | 16852W                              | 28.4         | 163.8        | GGGG                               |                     |                      | 94                      | 11                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2586-22181        | 00000/0000 2-20032/0639                        | 08/30/76         | 50             | 8174            | 6815N                              | 17043W                              | 29.5         | 161.6        | GGGG                               |                     |                      | 94                      | 12                     |
| 2587-00074        | 00000/0000 2-20032/0221                        | 08/31/76         | 10             | 8175            | 4729N                              | 14834E                              | 43.8         | 137.6        | GGGG                               |                     |                      | 112                     | 27                     |
| 2587-00080        | 00000/0000 2-20032/0222                        | 08/31/76         | 30             | 8175            | 4604N                              | 14759E                              | 44.6         | 136.0        | GGGG                               |                     |                      | 112                     | 28                     |
| 2587-00083        | 00000/0000 2-20032/0223                        | 08/31/76         | 60             | 8175            | 4439N                              | 14726E                              | 45.4         | 134.5        | GGGG                               |                     |                      | 112                     | 29                     |
| 2587-01500        | 00000/0000 2-20032/0224                        | 08/31/76         | 60             | 8176            | 5018N                              | 12359E                              | 42.1         | 140.6        | GGGG                               |                     |                      | 130                     | 25                     |
| 2587-01503        | 00000/0000 2-20032/0225                        | 08/31/76         | 80             | 8176            | 4853N                              | 12321E                              | 43.0         | 139.1        | GGGG                               |                     |                      | 130                     | 26                     |
| 2587-01505        | 00000/0000 2-20032/0226                        | 08/31/76         | 70             | 8176            | 4728N                              | 12245E                              | 43.8         | 137.6        | GGGG                               |                     |                      | 130                     | 27                     |
| 2587-01512        | 00000/0000 2-20032/0227                        | 08/31/76         | 60             | 8176            | 4603N                              | 12210E                              | 44.6         | 136.0        | GGGG                               |                     |                      | 130                     | 28                     |
| 2587-01514        | 00000/0000 2-20032/0228                        | 08/31/76         | 40             | 8176            | 4438N                              | 12136E                              | 45.4         | 134.5        | GGGG                               |                     |                      | 130                     | 29                     |
| 2587-01521        | 00000/0000 2-20032/0229                        | 08/31/76         | 20             | 8176            | 4312N                              | 12103E                              | 46.1         | 132.9        | GGGG                               |                     |                      | 130                     | 30                     |
| 2587-01523        | 00000/0000 2-20032/0230                        | 08/31/76         | 50             | 8176            | 4147N                              | 12031E                              | 46.9         | 131.3        | GGGG                               |                     |                      | 130                     | 31                     |
| 2587-01530        | 00000/0000 2-20032/0231                        | 08/31/76         | 40             | 8176            | 4021N                              | 12001E                              | 47.6         | 129.6        | GGGG                               |                     |                      | 130                     | 32                     |
| 2587-01532        | 00000/0000 2-20032/0232                        | 08/31/76         | 30             | 8176            | 3855N                              | 11933E                              | 48.2         | 128.0        | GGGG                               |                     |                      | 130                     | 33                     |
| 2587-01535        | 00000/0000 2-20032/0233                        | 08/31/76         | 10             | 8176            | 3730N                              | 11905E                              | 48.9         | 126.2        | GGGG                               |                     |                      | 130                     | 34                     |
| 2587-03311        | 00000/0000 2-20032/0640                        | 08/31/76         | 50             | 8177            | 5720N                              | 10157E                              | 37.5         | 148.0        | GGGG                               |                     |                      | 148                     | 20                     |
| 2587-03314        | 00000/0000 2-20032/0641                        | 08/31/76         | 50             | 8177            | 5556N                              | 10106E                              | 38.5         | 146.5        | GGGG                               |                     |                      | 148                     | 21                     |
| 2587-03320        | 00000/0000 2-20032/0642                        | 08/31/76         | 40             | 8177            | 5432N                              | 10019E                              | 39.4         | 145.0        | GGGG                               |                     |                      | 148                     | 22                     |
| 2587-05143        | 00000/0000 2-20032/0417                        | 08/31/76         | 100            | 8178            | 5719N                              | 07607E                              | 37.5         | 148.0        | FGGG                               |                     |                      | 166                     | 20                     |
| 2587-05145        | 00000/0000 2-20032/0418                        | 08/31/76         | 90             | 8178            | 5555N                              | 07516E                              | 38.5         | 146.5        | FGGG                               |                     |                      | 166                     | 21                     |
| 2587-05152        | 00000/0000 2-20032/0419                        | 08/31/76         | 90             | 8178            | 5431N                              | 07429E                              | 39.4         | 145.0        | GGGG                               |                     |                      | 166                     | 22                     |
| 2587-05154        | 00000/0000 2-20032/0420                        | 08/31/76         | 70             | 8178            | 5307N                              | 07343E                              | 40.3         | 143.6        | GGGG                               |                     |                      | 166                     | 23                     |
| 2587-05161        | 00000/0000 2-20032/0421                        | 08/31/76         | 80             | 8178            | 5142N                              | 07301E                              | 41.2         | 142.1        | GGGG                               |                     |                      | 166                     | 24                     |
| 2587-05193        | 00000/0000 2-20032/0422                        | 08/31/76         | 0              | 8178            | 4021N                              | 06822E                              | 47.5         | 129.7        | GGGG                               |                     |                      | 166                     | 32                     |
| 2587-05234        | 00000/0000 2-20032/0423                        | 08/31/76         | 50             | 8178            | 2600N                              | 06405E                              | 52.5         | 111.3        | GGGG                               |                     |                      | 166                     | 42                     |
| 2587-06575        | 00000/0000 2-20032/0424                        | 08/31/76         | 30             | 8179            | 5720N                              | 06021E                              | 37.5         | 148.0        | GGGG                               |                     |                      | 184                     | 20                     |
| 2587-06581        | 00000/0000 2-20032/0425                        | 08/31/76         | 10             | 8179            | 5556N                              | 04930E                              | 38.4         | 146.5        | GGGG                               |                     |                      | 184                     | 21                     |
| 2587-06584        | 00000/0000 2-20032/0426                        | 08/31/76         | 10             | 8179            | 5432N                              | 04842E                              | 39.4         | 145.1        | GGGG                               |                     |                      | 184                     | 22                     |
| 2587-06590        | 00000/0000 2-20032/0368                        | 08/31/76         | 10             | 8179            | 5308N                              | 04756E                              | 40.3         | 143.6        | FGGG                               |                     |                      | 184                     | 23                     |
| 2587-06593        | 00000/0000 2-20032/0369                        | 08/31/76         | 10             | 8179            | 5144N                              | 04713E                              | 41.2         | 142.1        | GGGG                               |                     |                      | 184                     | 24                     |
| 2587-06595        | 00000/0000 2-20032/0370                        | 08/31/76         | 0              | 8179            | 5019N                              | 04633E                              | 42.1         | 140.6        | GGGG                               |                     |                      | 184                     | 25                     |
| 2587-07002        | 00000/0000 2-20032/0371                        | 08/31/76         | 0              | 8179            | 4854N                              | 04554E                              | 42.9         | 139.1        | GGGG                               |                     |                      | 184                     | 26                     |
| 2587-07004        | 00000/0000 2-20032/0372                        | 08/31/76         | 40             | 8179            | 4729N                              | 04517E                              | 43.7         | 137.6        | GGGG                               |                     |                      | 184                     | 27                     |
| 2587-07011        | 00000/0000 2-20032/0373                        | 08/31/76         | 100            | 8179            | 4604N                              | 04442E                              | 44.6         | 136.1        | GGGG                               |                     |                      | 184                     | 28                     |
| 2587-08413        | 00000/0000 2-20032/0374                        | 08/31/76         | 10             | 8180            | 5558N                              | 02344E                              | 38.4         | 146.6        | FGGG                               |                     |                      | 202                     | 21                     |
| 2587-08415        | 00000/0000 2-20032/0375                        | 08/31/76         | 10             | 8180            | 5434N                              | 02256E                              | 39.3         | 145.1        | GGGG                               |                     |                      | 202                     | 22                     |
| 2587-12300        | 00000/0000 2-20032/0376                        | 08/31/76         | 10             | 8182            | 2009S                              | 05012W                              | 39.1         | 59.9         | FFFF                               |                     |                      | 238                     | 74                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | ORBIT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|--------------------------|-------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2587-12305        | 00000/0000                                     | 2-20032/0377     | 08/31/76              | 30                       | 8182                    | 2302S        | 05056W       | 37.2              | 58.3                | GGGG                 |                         |                        |
| 2587-12312        | 00000/0000                                     | 2-20032/0378     | 08/31/76              | 30                       | 8182                    | 2428S        | 05119W       | 36.3              | 57.6                | PPPP                 | 238                     | 76                     |
| 2587-12314        | 00000/0000                                     | 2-20032/0379     | 08/31/76              | 40                       | 8182                    | 2555S        | 05141W       | 35.3              | 57.0                | FFFF                 | 238                     | 77                     |
| 2587-12321        | 00000/0000                                     | 2-20032/0380     | 08/31/76              | 10                       | 8182                    | 2721S        | 05205W       | 34.3              | 56.4                | FGFG                 | 238                     | 78                     |
| 2587-12323        | 00000/0000                                     | 2-20032/0381     | 08/31/76              | 0                        | 8182                    | 2846S        | 05228W       | 33.3              | 55.8                | PPP                  | 238                     | 79                     |
| 2587-13511        | 00000/0000                                     | 2-20032/0382     | 08/31/76              | 100                      | 8183                    | 3558N        | 05344W       | 38.3              | 146.6               | GGGG                 | 238                     | 80                     |
| 2587-15361        | 00000/0000                                     | 2-20032/0383     | 08/31/76              | 90                       | 8184                    | 5021N        | 08230W       | 41.9              | 140.8               | GGGG                 | 5                       | 21                     |
| 2587-17092        | 2-20033/0163                                   | 00000/0000       | 08/31/76              | 90                       | 8185                    | 8014N        | 05126W       | 17.2              | 207.2               | GF                   | 23                      | 25                     |
| 2587-17095        | 2-20033/0134                                   | 00000/0000       | 08/31/76              | 90                       | 8185                    | 7933N        | 05247W       | 18.3              | 199.7               | GGF                  | 40                      | 1                      |
| 2587-17102        | 2-20033/0165                                   | 00000/0000       | 08/31/76              | 60                       | 8185                    | 7843N        | 06512W       | 19.5              | 193.2               | G                    | 40                      | 2                      |
| 2587-17104        | 2-20033/0166                                   | 00000/0000       | 08/31/76              | 40                       | 8185                    | 7747N        | 07043W       | 20.6              | 187.6               | GGG                  | 41                      | 3                      |
| 2587-17125        | 00000/0000                                     | 2-20032/0646     | 08/31/76              | 0                        | 8185                    | 7209N        | 08226W       | 26.0              | 168.9               | FGGG                 | 41                      | 4                      |
| 2587-17131        | 00000/0000                                     | 2-20032/0647     | 08/31/76              | 0                        | 8185                    | 7053N        | 09046W       | 27.1              | 166.3               | GGGG                 | 41                      | 9                      |
| 2587-17134        | 00000/0000                                     | 2-20032/0648     | 08/31/76              | 0                        | 8185                    | 6936N        | 09250W       | 28.1              | 163.9               | GGGG                 | 41                      | 10                     |
| 2587-17140        | 00000/0000                                     | 2-20032/0649     | 08/31/76              | 20                       | 8185                    | 6817N        | 09442W       | 29.2              | 161.7               | FGGG                 | 41                      | 11                     |
| 2587-17143        | 00000/0000                                     | 2-20032/0650     | 08/31/76              | 30                       | 8185                    | 6657N        | 09623W       | 30.3              | 159.7               | GGGG                 | 41                      | 12                     |
| 2587-17145        | 00000/0000                                     | 2-20032/0651     | 08/31/76              | 10                       | 8185                    | 6536N        | 09753W       | 31.3              | 157.8               | GGGG                 | 41                      | 13                     |
| 2587-17152        | 00000/0000                                     | 2-20032/0652     | 08/31/76              | 30                       | 8185                    | 6416N        | 09915W       | 32.3              | 156.1               | GGGG                 | 41                      | 14                     |
| 2587-17154        | 00000/0000                                     | 2-20032/0653     | 08/31/76              | 30                       | 8185                    | 6254N        | 10029W       | 33.4              | 154.4               | GGGG                 | 41                      | 15                     |
| 2587-17161        | 00000/0000                                     | 2-20032/0654     | 08/31/76              | 20                       | 8185                    | 6131N        | 10138W       | 34.4              | 152.7               | GGGG                 | 41                      | 16                     |
| 2587-17163        | 00000/0000                                     | 2-20032/0655     | 08/31/76              | 20                       | 8185                    | 6008N        | 10241W       | 35.4              | 151.2               | GGGG                 | 41                      | 17                     |
| 2587-17170        | 00000/0000                                     | 2-20032/0656     | 08/31/76              | 10                       | 8185                    | 5845N        | 10339W       | 36.4              | 149.6               | GGGG                 | 41                      | 18                     |
| 2587-17172        | 00000/0000                                     | 2-20032/0657     | 08/31/76              | 10                       | 8185                    | 5722N        | 10434W       | 37.3              | 148.1               | GGFF                 | 41                      | 19                     |
| 2587-17175        | 00000/0000                                     | 2-20032/0658     | 08/31/76              | 80                       | 8185                    | 5558N        | 10525W       | 38.3              | 146.7               | GGGG                 | 41                      | 20                     |
| 2587-17181        | 00000/0000                                     | 2-20032/0659     | 08/31/76              | 90                       | 8185                    | 5434N        | 10613W       | 39.2              | 145.2               | GGGG                 | 41                      | 21                     |
| 2587-17184        | 00000/0000                                     | 2-20032/0660     | 08/31/76              | 90                       | 8185                    | 5310N        | 10658W       | 40.1              | 143.7               | GGGG                 | 41                      | 22                     |
| 2587-17190        | 00000/0000                                     | 2-20032/0661     | 08/31/76              | 30                       | 8185                    | 5145N        | 10740W       | 41.0              | 142.3               | GGGG                 | 41                      | 23                     |
| 2587-17193        | 00000/0000                                     | 2-20032/0662     | 08/31/76              | 10                       | 8185                    | 5020N        | 10820W       | 41.9              | 140.8               | GGGG                 | 41                      | 24                     |
| 2587-17252        | 00000/0000                                     | 2-20032/0663     | 08/31/76              | 20                       | 8185                    | 3022N        | 11525W       | 51.4              | 117.4               | FFGG                 | 41                      | 25                     |
| 2587-18522        | 2-20033/0167                                   | 00000/0000       | 08/31/76              | 80                       | 8186                    | 8043N        | 06845W       | 16.1              | 215.5               | GGF                  | 41                      | 39                     |
| 2587-18524        | 2-20033/0168                                   | 00000/0000       | 08/31/76              | 10                       | 8186                    | 8013N        | 07707W       | 17.2              | 207.1               | GGG                  | 46                      | 247                    |
| 2587-20362        | 00000/0000                                     | 2-20032/0657     | 08/31/76              | 40                       | 8187                    | 7936N        | 10948W       | 18.2              | 200.3               | GGGG                 | 58                      | 1                      |
| 2587-20365        | 00000/0000                                     | 2-20032/0658     | 08/31/76              | 30                       | 8187                    | 7847N        | 11618W       | 19.3              | 193.7               | GGGG                 | 76                      | 2                      |
| 2587-20371        | 00000/0000                                     | 2-20032/0659     | 08/31/76              | 10                       | 8187                    | 7751N        | 12156W       | 20.4              | 188.0               | GGGG                 | 76                      | 3                      |
| 2587-20374        | 00000/0000                                     | 2-20032/0660     | 08/31/76              | 10                       | 8187                    | 7649N        | 12643W       | 21.6              | 183.1               | GGGG                 | 77                      | 4                      |
| 2587-20380        | 00000/0000                                     | 2-20032/0661     | 08/31/76              | 0                        | 8187                    | 7543N        | 13049W       | 22.7              | 178.8               | GGGG                 | 77                      | 5                      |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NMN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2587-20383        | 00000/0000 2-20032/0662                        | 08/31/76         | 10             | 8187                   | 7434N                              | 13421W                              | 23.8         | 175.1        | GGGG              |                     |                      | 77                      | 7                      |
| 2587-20392        | 00000/0000 2-20032/0663                        | 08/31/76         | 10             | 8187                   | 7208N                              | 14003W                              | 26.0         | 168.9        | GGGG              |                     |                      | 77                      | 9                      |
| 2588-01554        | 00000/0000 2-20032/0427                        | 09/01/76         | 10             | 8190                   | 5022N                              | 12936E                              | 41.8         | 140.9        | GGGG              |                     |                      | 131                     | 25                     |
| 2588-01561        | 00000/0000 2-20032/0428                        | 09/01/76         | 10             | 8190                   | 4857N                              | 12157E                              | 42.7         | 139.4        | GGGG              |                     |                      | 131                     | 26                     |
| 2588-01563        | 00000/0000 2-20032/0429                        | 09/01/76         | 30             | 8190                   | 4732N                              | 12120E                              | 43.5         | 137.9        | GGGG              |                     |                      | 131                     | 27                     |
| 2588-01570        | 00000/0000 2-20032/0430                        | 09/01/76         | 80             | 8190                   | 4606N                              | 12045E                              | 44.3         | 136.4        | GGGG              |                     |                      | 131                     | 28                     |
| 2588-01572        | 00000/0000 2-20032/0431                        | 09/01/76         | 90             | 8190                   | 4441N                              | 12011E                              | 45.1         | 134.9        | GGGG              |                     |                      | 131                     | 29                     |
| 2588-01575        | 00000/0000 2-20032/0432                        | 09/01/76         | 50             | 8190                   | 4316N                              | 11939E                              | 45.9         | 133.3        | GGGG              |                     |                      | 131                     | 30                     |
| 2588-01581        | 00000/0000 2-20032/0433                        | 09/01/76         | 60             | 8190                   | 4151N                              | 11907E                              | 46.6         | 131.7        | GGGG              |                     |                      | 131                     | 31                     |
| 2588-01584        | 00000/0000 2-20032/0434                        | 09/01/76         | 60             | 8190                   | 4025N                              | 11837E                              | 47.3         | 130.1        | GGGG              |                     |                      | 131                     | 32                     |
| 2588-01590        | 00000/0000 2-20032/0435                        | 09/01/76         | 60             | 8190                   | 3859N                              | 11808E                              | 48.0         | 128.4        | GGGG              |                     |                      | 131                     | 33                     |
| 2588-01593        | 00000/0000 2-20032/0436                        | 09/01/76         | 70             | 8190                   | 3733N                              | 11740E                              | 48.6         | 126.7        | GGGG              |                     |                      | 131                     | 34                     |
| 2588-01595        | 00000/0000 2-20032/0437                        | 09/01/76         | 90             | 8190                   | 3607N                              | 11713E                              | 49.2         | 125.0        | GGGG              |                     |                      | 131                     | 35                     |
| 2588-02002        | 00000/0000 2-20032/0438                        | 09/01/76         | 100            | 8190                   | 3442N                              | 11646E                              | 49.8         | 123.2        | GGGG              |                     |                      | 131                     | 36                     |
| 2588-03370        | 00000/0000 2-20032/0439                        | 09/01/76         | 50             | 8191                   | 5723N                              | 10035E                              | 37.2         | 148.2        | GGGG              |                     |                      | 149                     | 20                     |
| 2588-03372        | 00000/0000 2-20032/0440                        | 09/01/76         | 30             | 8191                   | 5600N                              | 09944E                              | 38.1         | 146.8        | GGGG              |                     |                      | 149                     | 21                     |
| 2588-03375        | 00000/0000 2-20032/0441                        | 09/01/76         | 80             | 8191                   | 5436N                              | 09856E                              | 39.1         | 145.3        | GGGG              |                     |                      | 149                     | 22                     |
| 2588-05195        | 00000/0000 2-20032/0497                        | 09/01/76         | 80             | 8192                   | 5846N                              | 07539E                              | 36.2         | 149.8        | GGGG              |                     |                      | 167                     | 19                     |
| 2588-05201        | 00000/0000 2-20032/0498                        | 09/01/76         | 80             | 8192                   | 5722N                              | 07445E                              | 37.2         | 148.3        | GGGG              |                     |                      | 167                     | 20                     |
| 2588-05204        | 00000/0000 2-20032/0499                        | 09/01/76         | 60             | 8192                   | 5559N                              | 07353E                              | 38.1         | 146.8        | GGGG              |                     |                      | 167                     | 21                     |
| 2588-05210        | 00000/0000 2-20032/0500                        | 09/01/76         | 60             | 8192                   | 5435N                              | 07305E                              | 39.0         | 145.3        | GGGG              |                     |                      | 167                     | 22                     |
| 2588-05213        | 00000/0000 2-20032/0501                        | 09/01/76         | 90             | 8192                   | 5311N                              | 07220E                              | 40.0         | 143.9        | GGGG              |                     |                      | 167                     | 23                     |
| 2588-05215        | 00000/0000 2-20032/0502                        | 09/01/76         | 90             | 8192                   | 5146N                              | 07137E                              | 40.9         | 142.4        | GGGG              |                     |                      | 167                     | 24                     |
| 2588-05222        | 00000/0000 2-20032/0503                        | 09/01/76         | 80             | 8192                   | 5021N                              | 07056E                              | 41.8         | 140.9        | GGGG              |                     |                      | 167                     | 25                     |
| 2588-07024        | 00000/0000 2-20032/0504                        | 09/01/76         | 10             | 8193                   | 6008N                              | 05051E                              | 35.2         | 151.3        | FFFF              |                     |                      | 185                     | 18                     |
| 2588-07035        | 00000/0000 2-20032/0505                        | 09/01/76         | 10             | 8193                   | 5558N                              | 04806E                              | 38.1         | 146.8        | FFFF              |                     |                      | 185                     | 21                     |
| 2588-07042        | 00000/0000 2-20032/0506                        | 09/01/76         | 0              | 8193                   | 5434N                              | 04717E                              | 39.0         | 145.3        | GGGG              |                     |                      | 185                     | 22                     |
| 2588-07044        | 00000/0000 2-20032/0507                        | 09/01/76         | 0              | 8193                   | 5311N                              | 04632E                              | 39.9         | 143.9        | GGGG              |                     |                      | 185                     | 23                     |
| 2588-07051        | 00000/0000 2-20032/0508                        | 09/01/76         | 0              | 8193                   | 5146N                              | 04549E                              | 40.9         | 142.4        | GGGG              |                     |                      | 185                     | 24                     |
| 2588-07053        | 00000/0000 2-20032/0509                        | 09/01/76         | 0              | 8193                   | 5021N                              | 04509E                              | 41.7         | 141.0        | FFFF              |                     |                      | 185                     | 25                     |
| 2588-07060        | 00000/0000 2-20032/0510                        | 09/01/76         | 80             | 8193                   | 4846N                              | 04430E                              | 42.6         | 139.5        | GGGG              |                     |                      | 185                     | 26                     |
| 2588-07062        | 00000/0000 2-20032/0511                        | 09/01/76         | 90             | 8193                   | 4731N                              | 04353E                              | 43.4         | 138.0        | GGGG              |                     |                      | 185                     | 27                     |
| 2588-07065        | 00000/0000 2-20032/0512                        | 09/01/76         | 80             | 8193                   | 4606N                              | 04318E                              | 44.3         | 136.5        | GGGG              |                     |                      | 185                     | 28                     |
| 2588-07071        | 00000/0000 2-20032/0513                        | 09/01/76         | 70             | 8193                   | 4440N                              | 04244E                              | 45.0         | 134.9        | GGGG              |                     |                      | 185                     | 29                     |
| 2588-07074        | 00000/0000 2-20032/0514                        | 09/01/76         | 40             | 8193                   | 4315N                              | 04212E                              | 45.8         | 133.4        | GGGG              |                     |                      | 185                     | 30                     |
| 2588-08462        | 00000/0000 2-20032/0476                        | 09/01/76         | 40             | 8194                   | 5845N                              | 02400E                              | 36.1         | 149.8        | GGGG              |                     |                      | 203                     | 19                     |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/32/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2588-08464        | 00000/0000                                     | 2-20032/0477     | 09/01/76       | 40              | 8194                         | 5722N         | 02306E       | 37.1         | 148.3             | GGGG                |                      | 203                     | 20                     |
| 2588-08471        | 00000/0000                                     | 2-20032/0478     | 09/01/76       | 70              | 8194                         | 5558N         | 02315E       | 38.1         | 146.8             | GGGG                |                      | 203                     | 21                     |
| 2588-08473        | 00000/0000                                     | 2-20032/0479     | 09/01/76       | 80              | 8194                         | 5434N         | 02128E       | 39.0         | 145.3             | GGGG                |                      | 203                     | 22                     |
| 2588-12355        | 00000/0000                                     | 2-20032/0480     | 09/01/76       | 10              | 8196                         | 2010S         | 05139W       | 39.4         | 60.2              | GGGG                |                      | 239                     | 74                     |
| 2588-12364        | 00000/0000                                     | 2-20032/0481     | 09/01/76       | 10              | 8196                         | 2304S         | 05223W       | 37.5         | 58.6              | FFFF                |                      | 239                     | 76                     |
| 2588-12370        | 00000/0000                                     | 2-20032/0482     | 09/01/76       | 0               | 8196                         | 2430S         | 05245W       | 36.5         | 57.9              | FFFF                |                      | 239                     | 77                     |
| 2588-12373        | 00000/0000                                     | 2-20032/0483     | 09/01/76       | 0               | 8196                         | 2556S         | 05308W       | 35.5         | 57.2              | FF F                |                      | 239                     | 78                     |
| 2588-13570        | 00000/0000                                     | 2-20032/0524     | 09/01/76       | 90              | 8197                         | 5601N         | 05506W       | 38.0         | 146.9             | GGGG                |                      | 6                       | 21                     |
| 2588-13572        | 00000/0000                                     | 2-20032/0525     | 09/01/76       | 90              | 8197                         | 5437N         | 05556W       | 38.9         | 145.4             | FFFF                |                      | 6                       | 22                     |
| 2588-15413        | 00000/0000                                     | 2-20032/0526     | 09/01/76       | 70              | 8198                         | 5145N         | 08315W       | 40.8         | 142.5             | GGGG                |                      | 24                      | 24                     |
| 2588-15415        | 00000/0000                                     | 2-20032/0527     | 09/01/76       | 60              | 8198                         | 5020N         | 08356W       | 41.6         | 141.0             | GGGG                |                      | 24                      | 25                     |
| 2588-17151        | 2-20033/0169                                   | 00000/0000       | 09/01/76       | 20              | 8199                         | 8012N         | 05251W       | 16.9         | 207.1             | GGG                 |                      | 41                      | 1                      |
| 2588-17154        | 2-20033/0170                                   | 00000/0000       | 09/01/76       | 10              | 8199                         | 7931N         | 06013W       | 18.0         | 199.7             | GGG                 |                      | 41                      | 2                      |
| 2588-17160        | 2-20033/0171                                   | 00000/0000       | 09/01/76       | 10              | 8199                         | 7842N         | 06638W       | 19.1         | 193.2             | GG                  |                      | 42                      | 3                      |
| 2588-17163        | 2-20033/0172                                   | 00000/0000       | 09/01/76       | 10              | 8199                         | 7745N         | 07211W       | 20.2         | 187.5             | GGG                 |                      | 42                      | 4                      |
| 2588-17233        | 00000/0000                                     | 2-20032/0664     | 09/01/76       | 80              | 8199                         | 5558N         | 10650W       | 38.0         | 146.9             | GGGG                |                      | 42                      | 21                     |
| 2588-17235        | 00000/0000                                     | 2-20032/0665     | 09/01/76       | 90              | 8199                         | 5433N         | 10737W       | 38.9         | 145.4             | GGGG                |                      | 42                      | 22                     |
| 2588-17242        | 00000/0000                                     | 2-20032/0666     | 09/01/76       | 90              | 8199                         | 5309N         | 10822W       | 39.8         | 144.0             | GGGG                |                      | 42                      | 23                     |
| 2588-17244        | 00000/0000                                     | 2-20032/0667     | 09/01/76       | 70              | 8199                         | 5144N         | 10905W       | 40.7         | 142.5             | GGGG                |                      | 42                      | 24                     |
| 2588-17251        | 00000/0000                                     | 2-20032/0668     | 09/01/76       | 40              | 8199                         | 5020N         | 10946W       | 41.6         | 141.0             | GGGG                |                      | 42                      | 25                     |
| 2588-18580        | 2-20033/0173                                   | 00000/0000       | 09/01/76       | 60              | 8200                         | 8044N         | 07006W       | 15.7         | 215.7             | G G                 |                      | 47                      | 247                    |
| 2588-18583        | 2-20033/0174                                   | 00000/0000       | 09/01/76       | 60              | 8200                         | 8014N         | 07026W       | 16.8         | 207.4             | G G                 |                      | 59                      | 1                      |
| 2588-22573        | 00000/0000                                     | 2-20032/0484     | 09/01/76       | 90              | 8202                         | 2721S         | 15135E       | 34.7         | 56.8              | GGGG                |                      | 96                      | 79                     |
| 2588-22575        | 00000/0000                                     | 2-20032/0485     | 09/01/76       | 40              | 8202                         | 2847S         | 15112E       | 33.7         | 56.2              | GGGG                |                      | 96                      | 80                     |
| 2588-22582        | 00000/0000                                     | 2-20032/0486     | 09/01/76       | 10              | 8202                         | 3012S         | 15048E       | 32.7         | 55.6              | GGGG                |                      | 96                      | 81                     |
| 2588-22584        | 00000/0000                                     | 2-20032/0487     | 09/01/76       | 10              | 8202                         | 3138S         | 15023E       | 31.6         | 55.2              | GGGG                |                      | 96                      | 82                     |
| 2588-22591        | 00000/0000                                     | 2-20032/0488     | 09/01/76       | 40              | 8202                         | 3304S         | 14988E       | 30.6         | 54.7              | GGGG                |                      | 96                      | 83                     |
| 2589-02013        | 00000/0000                                     | 2-20032/0515     | 09/02/76       | 10              | 8204                         | 5019N         | 12110E       | 41.5         | 141.2             | GGGG                |                      | 132                     | 25                     |
| 2589-02015        | 00000/0000                                     | 2-20032/0516     | 09/02/76       | 10              | 8204                         | 4854N         | 12032E       | 42.4         | 139.7             | GGGG                |                      | 132                     | 26                     |
| 2589-02022        | 00000/0000                                     | 2-20032/0517     | 09/02/76       | 10              | 8204                         | 4730N         | 11955E       | 43.2         | 138.2             | GGGG                |                      | 132                     | 27                     |
| 2589-02024        | 00000/0000                                     | 2-20032/0518     | 09/02/76       | 60              | 8204                         | 4605N         | 11920E       | 44.0         | 136.7             | GGGG                |                      | 132                     | 28                     |
| 2589-02031        | 00000/0000                                     | 2-20032/0519     | 09/02/76       | 30              | 8204                         | 4440N         | 11847E       | 44.8         | 135.2             | GGGG                |                      | 132                     | 29                     |
| 2589-02033        | 00000/0000                                     | 2-20032/0520     | 09/02/76       | 20              | 8204                         | 4315N         | 11814E       | 45.6         | 133.6             | GGGG                |                      | 132                     | 30                     |
| 2589-02040        | 00000/0000                                     | 2-20032/0521     | 09/02/76       | 10              | 8204                         | 4149N         | 11743E       | 46.3         | 132.1             | GGGG                |                      | 132                     | 31                     |
| 2589-02042        | 00000/0000                                     | 2-20032/0522     | 09/02/76       | 10              | 8204                         | 4024N         | 11713E       | 47.1         | 130.4             | GGGG                |                      | 132                     | 32                     |
| 2589-02045        | 00000/0000                                     | 2-20032/0523     | 09/02/76       | 10              | 8204                         | 3858N         | 11643E       | 47.7         | 128.8             | GGGG                |                      | 132                     | 33                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>POINT<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|---------------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2589-02051        | 00000/0000                   | 2-20032/0489                | 09/02/76         | 10             | 8204            | 3732N                                 | 11614E        | 48.4         | 127.1        | GGGG                               |                     |                      | 132                     | 34                     |
| 2589-02054        | 00000/0000                   | 2-20032/0490                | 09/02/76         | 10             | 8204            | 3606N                                 | 11546E        | 49.0         | 125.4        | GGGG                               |                     |                      | 132                     | 35                     |
| 2589-02060        | 00000/0000                   | 2-20032/0491                | 09/02/76         | 60             | 8204            | 3440N                                 | 11520E        | 49.6         | 123.5        | GGGG                               |                     |                      | 132                     | 36                     |
| 2589-03424        | 00000/0000                   | 2-20032/0492                | 09/02/76         | 60             | 8205            | 5721N                                 | 09907E        | 36.9         | 148.4        | GGGG                               |                     |                      | 150                     | 20                     |
| 2589-03430        | 00000/0000                   | 2-20032/0493                | 09/02/76         | 50             | 8205            | 5557N                                 | 09816E        | 37.8         | 147.0        | GGGG                               |                     |                      | 150                     | 21                     |
| 2589-03433        | 00000/0000                   | 2-20032/0494                | 09/02/76         | 70             | 8205            | 5433N                                 | 09728E        | 38.8         | 145.5        | GGGG                               |                     |                      | 150                     | 22                     |
| 2589-03435        | 00000/0000                   | 2-20032/0495                | 09/02/76         | 80             | 8205            | 5309N                                 | 09644E        | 39.7         | 144.1        | GGGG                               |                     |                      | 150                     | 23                     |
| 2589-03442        | 00000/0000                   | 2-20032/0496                | 09/02/76         | 90             | 8205            | 5145N                                 | 09601E        | 40.6         | 142.6        | GGGG                               |                     |                      | 150                     | 24                     |
| 2589-05253        | 00000/0000                   | 2-20032/0528                | 09/02/76         | 90             | 8206            | 5845N                                 | 07414E        | 35.9         | 149.9        | GGGG                               |                     |                      | 168                     | 19                     |
| 2589-05255        | 00000/0000                   | 2-20032/0529                | 09/02/76         | 90             | 8206            | 5721N                                 | 07319E        | 36.8         | 148.5        | GGGG                               |                     |                      | 168                     | 20                     |
| 2589-05262        | 00000/0000                   | 2-20032/0530                | 09/02/76         | 90             | 8206            | 5557N                                 | 07228E        | 37.8         | 147.0        | GGGG                               |                     |                      | 168                     | 21                     |
| 2589-05264        | 00000/0000                   | 2-20032/0531                | 09/02/76         | 50             | 8206            | 5433N                                 | 07140E        | 38.7         | 145.5        | GGGG                               |                     |                      | 168                     | 22                     |
| 2589-05271        | 00000/0000                   | 2-20032/0532                | 09/02/76         | 10             | 8206            | 5309N                                 | 07054E        | 39.7         | 144.1        | GGGG                               |                     |                      | 168                     | 23                     |
| 2589-05332        | 00000/0000                   | 2-20032/0533                | 09/02/76         | 0              | 8206            | 3148N                                 | 06250E        | 50.6         | 120.1        | GGG                                |                     |                      | 168                     | 38                     |
| 2589-05335        | 00000/0000                   | 2-20032/0534                | 09/02/76         | 0              | 8206            | 3021N                                 | 06225E        | 51.1         | 118.2        | FGGG                               |                     |                      | 168                     | 39                     |
| 2589-05341        | 00000/0000                   | 2-20032/0535                | 09/02/76         | 0              | 8206            | 2854N                                 | 06201E        | 51.5         | 116.3        | GGGF                               |                     |                      | 168                     | 40                     |
| 2589-05344        | 00000/0000                   | 2-20032/0536                | 09/02/76         | 0              | 8206            | 2788N                                 | 06137E        | 51.9         | 114.4        | GGG                                |                     |                      | 168                     | 41                     |
| 2589-07091        | 00000/0000                   | 2-20032/0537                | 09/02/76         | 0              | 8207            | 5721N                                 | 04731E        | 36.8         | 148.5        | GGG                                |                     |                      | 186                     | 20                     |
| 2589-07094        | 00000/0000                   | 2-20032/0538                | 09/02/76         | 0              | 8207            | 5557N                                 | 04640E        | 37.3         | 147.0        | GGG                                |                     |                      | 186                     | 21                     |
| 2589-07100        | 00000/0000                   | 2-20032/0539                | 09/02/76         | 0              | 8207            | 5433N                                 | 04552E        | 38.7         | 145.6        | GGGG                               |                     |                      | 186                     | 22                     |
| 2589-07103        | 00000/0000                   | 2-20032/0540                | 09/02/76         | 30             | 8207            | 5309N                                 | 04506E        | 39.6         | 144.1        | GGGG                               |                     |                      | 186                     | 23                     |
| 2589-07105        | 00000/0000                   | 2-20032/0541                | 09/02/76         | 80             | 8207            | 5144N                                 | 04424E        | 40.6         | 142.7        | FGGG                               |                     |                      | 186                     | 24                     |
| 2589-07112        | 00000/0000                   | 2-20032/0542                | 09/02/76         | 90             | 8207            | 5020N                                 | 04342E        | 41.4         | 141.2        | GGG                                |                     |                      | 186                     | 25                     |
| 2589-07114        | 00000/0000                   | 2-20032/0460                | 09/02/76         | 80             | 8207            | 4855N                                 | 04304E        | 42.3         | 139.8        | GGGG                               |                     |                      | 186                     | 26                     |
| 2589-07121        | 00000/0000                   | 2-20032/0461                | 09/02/76         | 50             | 8207            | 4730N                                 | 04227E        | 43.2         | 138.3        | GGGG                               |                     |                      | 186                     | 27                     |
| 2589-07123        | 00000/0000                   | 2-20032/0462                | 09/02/76         | 10             | 8207            | 4604N                                 | 04152E        | 44.0         | 136.8        | GGGG                               |                     |                      | 186                     | 28                     |
| 2589-07144        | 00000/0000                   | 2-20032/0463                | 09/02/76         | 0              | 8207            | 3857N                                 | 03915E        | 47.7         | 128.9        | GGGG                               |                     |                      | 186                     | 33                     |
| 2589-07150        | 00000/0000                   | 2-20032/0464                | 09/02/76         | 0              | 8207            | 3731N                                 | 03847E        | 48.4         | 127.2        | GGGG                               |                     |                      | 186                     | 34                     |
| 2589-07153        | 00000/0000                   | 2-20032/0465                | 09/02/76         | 0              | 8207            | 3604N                                 | 03820E        | 49.0         | 125.5        | GGGG                               |                     |                      | 186                     | 35                     |
| 2589-08532        | 00000/0000                   | 2-20032/0466                | 09/02/76         | 30             | 8208            | 5433N                                 | 02002E        | 38.7         | 145.6        | GGGG                               |                     |                      | 204                     | 22                     |
| 2589-12410        | 00000/0000                   | 2-20032/0467                | 09/02/76         | 0              | 8210            | 1842S                                 | 05243W        | 40.6         | 61.4         | GGGG                               |                     |                      | 240                     | 73                     |
| 2589-12422        | 00000/0000                   | 2-20032/0475                | 09/02/76         | 0              | 8210            | 2301S                                 | 05348W        | 37.8         | 59.0         | F                                  |                     |                      | 240                     | 76                     |
| 2589-12424        | 00000/0000                   | 2-20032/0468                | 09/02/76         | 0              | 8210            | 2428S                                 | 05411W        | 36.8         | 58.2         | FGGG                               |                     |                      | 240                     | 77                     |
| 2589-12431        | 00000/0000                   | 2-20032/0469                | 09/02/76         | 10             | 8210            | 2554S                                 | 05433W        | 35.9         | 57.5         | FFFF                               |                     |                      | 240                     | 78                     |
| 2589-12433        | 00000/0000                   | 2-20032/0470                | 09/02/76         | 20             | 8210            | 2705S                                 | 05456W        | 34.9         | 56.9         | GGGG                               |                     |                      | 240                     | 79                     |
| 2589-12440        | 00000/0000                   | 2-20032/0471                | 09/02/76         | 40             | 8210            | 2845S                                 | 05520W        | 33.9         | 56.3         | FFFF                               |                     |                      | 240                     | 80                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION IO LISTING  
FOR NNN-US  
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| OBSERVATION<br>IO | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|-------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2589-12442        | 00000/0000                   | 2-20032/0472                | 09/02/76         | 20             | 8210            | 3011S                        | 05544W                        | 32.9         | 55.8         |                                    |                     |                      |                         |                        |
| 2589-14021        | 2-20033/0210                 | 2-20032/0554                | 09/02/76         | 100            | 8211            | 57.9N                        | 05548W                        | 36.7         | 148.5        | FFF                                | FFFF                |                      | 240                     | 81                     |
| 2589-14024        | 2-20033/0211                 | 2-20032/0555                | 09/02/76         | 90             | 8211            | 5556N                        | 05638W                        | 37.7         | 147.0        | GGG                                | FGGG                |                      | 7                       | 20                     |
| 2589-14030        | 2-20033/0212                 | 2-20032/0556                | 09/02/76         | 90             | 8211            | 5432N                        | 05726W                        | 38.7         | 145.6        | GGG                                | FGGG                |                      | 7                       | 21                     |
| 2589-14033        | 2-20033/0213                 | 2-20032/0557                | 09/02/76         | 90             | 8211            | 5308N                        | 05810W                        | 39.6         | 144.1        | GGG                                | FGGG                |                      | 7                       | 22                     |
| 2589-14036        | 2-20033/0214                 | 2-20032/0558                | 09/02/76         | 100            | 8211            | 5144N                        | 05834W                        | 40.5         | 142.7        | GGG                                | FGGG                |                      | 7                       | 23                     |
| 2589-14042        | 2-20033/0215                 | 2-20032/0559                | 09/02/76         | 90             | 8211            | 5019N                        | 05934W                        | 41.4         | 141.3        | GGG                                | FGGG                |                      | 7                       | 24                     |
| 2589-14044        | 2-20033/0216                 | 2-20032/0560                | 09/02/76         | 90             | 8211            | 4854N                        | 06013W                        | 42.2         | 139.8        | GGG                                | FGGG                |                      | 7                       | 25                     |
| 2589-14051        | 2-20033/0217                 | 2-20032/0561                | 09/02/76         | 100            | 8211            | 4708N                        | 06049W                        | 43.1         | 138.3        | GGG                                | FGGG                |                      | 7                       | 26                     |
| 2589-14053        | 2-20033/0218                 | 2-20032/0562                | 09/02/76         | 90             | 8211            | 4603N                        | 06124W                        | 43.9         | 136.8        | GGG                                | FGGG                |                      | 7                       | 27                     |
| 2589-14060        | 2-20033/0219                 | 2-20032/0563                | 09/02/76         | 80             | 8211            | 4438N                        | 06158W                        | 44.7         | 135.3        | GGG                                | FGGG                |                      | 7                       | 28                     |
| 2589-14062        | 2-20033/0220                 | 2-20032/0564                | 09/02/76         | 60             | 8211            | 4312N                        | 06230W                        | 45.5         | 133.8        | GGG                                | FGGG                |                      | 7                       | 29                     |
| 2589-14065        | 2-20033/0221                 | 2-20032/0565                | 09/02/76         | 70             | 8211            | 4147N                        | 06301W                        | 46.2         | 132.2        | GGG                                | FGGG                |                      | 7                       | 30                     |
| 2589-14071        | 2-20033/0222                 | 2-20032/0566                | 09/02/76         | 50             | 8211            | 4021N                        | 06331W                        | 47.0         | 130.6        | GGG                                | GGGG                |                      | 7                       | 31                     |
| 2589-14074        | 2-20033/0223                 | 2-20032/0567                | 09/02/76         | 20             | 8211            | 3855N                        | 06401W                        | 47.6         | 128.9        | GGG                                | GGGG                |                      | 7                       | 32                     |
| 2589-14080        | 2-20033/0224                 | 2-20032/0568                | 09/02/76         | 40             | 8211            | 3709N                        | 06429W                        | 48.3         | 127.3        | GGG                                | GGGG                |                      | 7                       | 33                     |
| 2589-14083        | 2-20033/0225                 | 2-20032/0569                | 09/02/76         | 20             | 8211            | 3603N                        | 06456W                        | 48.9         | 125.6        | GGG                                | GGGG                |                      | 7                       | 34                     |
| 2589-14085        | 00000/0000                   | 2-20032/0570                | 09/02/76         | 40             | 8211            | 3437N                        | 06522W                        | 49.5         | 123.8        | GGG                                | GGGG                |                      | 7                       | 35                     |
| 2589-14092        | 2-20033/0226                 | 2-20032/0571                | 09/02/76         | 10             | 8211            | 3311N                        | 06548W                        | 50.1         | 122.0        | GGG                                | GGGG                |                      | 7                       | 36                     |
| 2589-14094        | 2-20033/0227                 | 2-20032/0572                | 09/02/76         | 10             | 8211            | 3145N                        | 06613W                        | 50.6         | 120.2        | GGG                                | GGGG                |                      | 7                       | 37                     |
| 2589-14101        | 2-20033/0228                 | 2-20032/0573                | 09/02/76         | 10             | 8211            | 3019N                        | 06638W                        | 51.0         | 118.3        | GGG                                | GGGG                |                      | 7                       | 38                     |
| 2589-14103        | 2-20033/0229                 | 2-20032/0574                | 09/02/76         | 10             | 8211            | 2853N                        | 06702W                        | 51.5         | 116.5        | GGG                                | GGGG                |                      | 7                       | 39                     |
| 2589-14110        | 2-20033/0230                 | 2-20032/0575                | 09/02/76         | 10             | 8211            | 2706N                        | 06726W                        | 51.9         | 114.5        | GGG                                | GGGG                |                      | 7                       | 40                     |
| 2589-15433        | 2-20033/0231                 | 00000/0000                  | 09/02/76         | 30             | 8212            | 6410N                        | 07621W                        | 31.8         | 156.2        | GGG                                |                     |                      | 7                       | 41                     |
| 2589-15435        | 2-20033/0232                 | 00000/0000                  | 09/02/76         | 60             | 8212            | 6248N                        | 07735W                        | 32.8         | 154.6        | GGG                                |                     |                      | 25                      | 16                     |
| 2589-15442        | 2-20033/0233                 | 00000/0000                  | 09/02/76         | 50             | 8212            | 6125N                        | 07845W                        | 33.8         | 153.0        | GGG                                |                     |                      | 25                      | 17                     |
| 2589-15444        | 2-20033/0234                 | 00000/0000                  | 09/02/76         | 40             | 8212            | 6002N                        | 07948W                        | 34.8         | 151.4        | GGG                                |                     |                      | 25                      | 18                     |
| 2589-15451        | 2-20033/0235                 | 00000/0000                  | 09/02/76         | 60             | 8212            | 5839N                        | 08046W                        | 35.8         | 149.9        | GGG                                |                     |                      | 25                      | 19                     |
| 2589-15453        | 2-20033/0236                 | 00000/0000                  | 09/02/76         | 30             | 8212            | 5715N                        | 08140W                        | 36.8         | 148.4        | GGG                                |                     |                      | 25                      | 20                     |
| 2589-15460        | 2-20033/0237                 | 00000/0000                  | 09/02/76         | 50             | 8212            | 5551N                        | 08230W                        | 37.7         | 147.0        | GGG                                |                     |                      | 25                      | 21                     |
| 2589-15462        | 2-20033/0238                 | 00000/0000                  | 09/02/76         | 50             | 8212            | 5427N                        | 08317W                        | 38.7         | 145.5        | GGG                                |                     |                      | 25                      | 22                     |
| 2589-15465        | 2-20033/0239                 | 00000/0000                  | 09/02/76         | 50             | 8212            | 5303N                        | 08401W                        | 39.6         | 144.1        | GGG                                |                     |                      | 25                      | 23                     |
| 2589-15471        | 2-20033/0240                 | 00000/0000                  | 09/02/76         | 20             | 8212            | 5136N                        | 08444W                        | 40.5         | 142.7        | GGG                                |                     |                      | 25                      | 24                     |
| 2589-15474        | 2-20033/0241                 | 2-20032/0576                | 09/02/76         | 10             | 8212            | 5014N                        | 08524W                        | 41.4         | 141.2        | GGG                                | GGGG                |                      | 25                      | 25                     |
| 2589-17203        | 2-20033/0175                 | 00000/0000                  | 09/02/76         | 40             | 8213            | 8045N                        | 04549W                        | 15.3         | 215.7        | GGG                                |                     |                      | 30                      | 247                    |
| 2589-17205        | 2-20033/0176                 | 00000/0000                  | 09/02/76         | 30             | 8213            | 8015N                        | 05408W                        | 16.5         | 207.3        | GGG                                |                     |                      | 42                      | 1                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NR./<br>POSITION IN REEL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                                                |              |                  |                |                        |                                    |                                     |              |              | 123               | 45678               |                      |                         |                        |
| 2589-17212        | 2-20033/0177                                   | 00000/0000   | 09/02/76         | 40             | 8213                   | 7934N                              | 06133W                              | 17.6         | 199.9        | GGG               |                     |                      | 42                      | 2                      |
| 2589-17214        | 2-20033/0178                                   | 00000/0000   | 09/02/76         | 40             | 8213                   | 7844N                              | 06802W                              | 18.7         | 193.4        | GGG               |                     |                      | 43                      | 3                      |
| 2589-17221        | 2-20033/0179                                   | 00000/0000   | 09/02/76         | 10             | 8213                   | 7748N                              | 07334W                              | 19.8         | 187.7        | GGG               |                     |                      | 43                      | 4                      |
| 2589-17234        | 00000/0000                                     | 2-20033/0577 | 09/02/76         | 90             | 8213                   | 5436N                              | 10904W                              | 38.6         | 145.7        | GGG               | FGGG                |                      | 43                      | 22                     |
| 2589-17300        | 00000/0000                                     | 2-20033/0578 | 09/02/76         | 60             | 8213                   | 5311N                              | 10949W                              | 39.5         | 144.2        |                   | GGFG                |                      | 43                      | 23                     |
| 2589-17303        | 00000/0000                                     | 2-20033/0579 | 09/02/76         | 30             | 8213                   | 5147N                              | 11031W                              | 40.4         | 142.8        |                   | GGGG                |                      | 43                      | 24                     |
| 2589-17305        | 00000/0000                                     | 2-20033/0580 | 09/02/76         | 30             | 8213                   | 5022N                              | 11111W                              | 41.3         | 141.4        |                   | GGGG                |                      | 43                      | 25                     |
| 2589-19034        | 2-20033/0180                                   | 00000/0000   | 09/02/76         | 10             | 8214                   | 8044N                              | 07136W                              | 15.3         | 215.7        | GGG               |                     |                      | 48                      | 247                    |
| 2589-19041        | 2-20033/0181                                   | 00000/0000   | 09/02/76         | 80             | 8214                   | 8014N                              | 07958W                              | 16.4         | 207.3        | GGG               |                     |                      | 60                      | 1                      |
| 2589-20472        | 00000/0000                                     | 2-20033/0669 | 09/02/76         | 20             | 8215                   | 8016N                              | 10505W                              | 16.3         | 208.0        |                   | GGGG                |                      | 65                      | 248                    |
| 2589-20475        | 00000/0000                                     | 2-20033/0670 | 09/02/76         | 30             | 8215                   | 7936N                              | 11236W                              | 17.4         | 200.5        |                   | GGGG                |                      | 78                      | 2                      |
| 2589-20490        | 00000/0000                                     | 2-20033/0671 | 09/02/76         | 60             | 8215                   | 7650N                              | 12931W                              | 20.8         | 183.3        |                   | GGGG                |                      | 79                      | 5                      |
| 2589-20493        | 00000/0000                                     | 2-20033/0672 | 09/02/76         | 60             | 8215                   | 7544N                              | 13338W                              | 21.9         | 179.0        |                   | GGGG                |                      | 79                      | 6                      |
| 2589-20495        | 00000/0000                                     | 2-20033/0673 | 09/02/76         | 50             | 8215                   | 7435N                              | 13710W                              | 23.0         | 175.3        |                   | GGGG                |                      | 79                      | 7                      |
| 2589-20502        | 00000/0000                                     | 2-20033/0674 | 09/02/76         | 60             | 8215                   | 7323N                              | 14013W                              | 24.1         | 172.0        |                   | GGGG                |                      | 79                      | 8                      |
| 2589-20504        | 00000/0000                                     | 2-20033/0675 | 09/02/76         | 50             | 8215                   | 7209N                              | 14251W                              | 25.2         | 169.1        |                   | GGGG                |                      | 79                      | 9                      |
| 2590-00280        | 00000/0000                                     | 2-20033/0473 | 09/03/76         | 90             | 8217                   | 3625N                              | 14009E                              | 48.8         | 125.8        | FFGF              |                     |                      | 115                     | 35                     |
| 2590-00283        | 00000/0000                                     | 2-20033/0474 | 09/03/76         | 70             | 8217                   | 3439N                              | 13942E                              | 49.4         | 124.1        | GGGG              |                     |                      | 115                     | 36                     |
| 2590-02071        | 00000/0000                                     | 2-20033/0543 | 09/03/76         | 10             | 8218                   | 5019N                              | 11942E                              | 41.2         | 141.4        | GGF               |                     |                      | 133                     | 25                     |
| 2590-02092        | 00000/0000                                     | 2-20033/0544 | 09/03/76         | 10             | 8218                   | 4313N                              | 11646E                              | 45.3         | 134.0        | GGGG              |                     |                      | 133                     | 30                     |
| 2590-02094        | 00000/0000                                     | 2-20033/0545 | 09/03/76         | 10             | 8218                   | 4148N                              | 11615E                              | 46.1         | 132.4        | GGG               |                     |                      | 133                     | 31                     |
| 2590-02101        | 00000/0000                                     | 2-20033/0546 | 09/03/76         | 10             | 8218                   | 4022N                              | 11545E                              | 46.8         | 130.8        | GGGF              |                     |                      | 133                     | 32                     |
| 2590-02103        | 00000/0000                                     | 2-20033/0547 | 09/03/76         | 10             | 8218                   | 3856N                              | 11516E                              | 47.5         | 129.2        | GGGF              |                     |                      | 133                     | 33                     |
| 2590-02110        | 00000/0000                                     | 2-20033/0548 | 09/03/76         | 10             | 8218                   | 3731N                              | 11447E                              | 48.2         | 127.5        | FGGG              |                     |                      | 133                     | 34                     |
| 2590-02112        | 00000/0000                                     | 2-20033/0549 | 09/03/76         | 10             | 8218                   | 3605N                              | 11419E                              | 48.8         | 125.8        | GGFG              |                     |                      | 133                     | 35                     |
| 2590-02115        | 00000/0000                                     | 2-20033/0550 | 09/03/76         | 10             | 8218                   | 3439N                              | 11353E                              | 49.4         | 124.1        | GGG               |                     |                      | 133                     | 36                     |
| 2590-03480        | 00000/0000                                     | 2-20033/0551 | 09/03/76         | 40             | 8219                   | 5846N                              | 09837E                              | 35.5         | 150.2        | GGG               |                     |                      | 151                     | 19                     |
| 2590-03482        | 00000/0000                                     | 2-20033/0552 | 09/03/76         | 40             | 8219                   | 5723N                              | 09742E                              | 36.5         | 148.7        | GGG               |                     |                      | 151                     | 20                     |
| 2590-03485        | 00000/0000                                     | 2-20033/0553 | 09/03/76         | 50             | 8219                   | 5559N                              | 09650E                              | 37.5         | 147.2        | GGGG              |                     |                      | 151                     | 21                     |
| 2590-03494        | 00000/0000                                     | 2-20033/0554 | 09/03/76         | 70             | 8219                   | 5311N                              | 09516E                              | 39.3         | 144.4        | GGGG              |                     |                      | 151                     | 22                     |
| 2590-03500        | 00000/0000                                     | 2-20033/0555 | 09/03/76         | 50             | 8219                   | 5147N                              | 09433E                              | 40.3         | 142.9        | GGGG              |                     |                      | 151                     | 23                     |
| 2590-05311        | 00000/0000                                     | 2-20033/0592 | 09/03/76         | 10             | 8220                   | 5846N                              | 07248E                              | 35.5         | 150.2        | F                 |                     |                      | 169                     | 19                     |
| 2590-05314        | 00000/0000                                     | 2-20033/0593 | 09/03/76         | 10             | 8220                   | 5722N                              | 07153E                              | 36.5         | 148.7        | GGGG              |                     |                      | 169                     | 20                     |
| 2590-05320        | 00000/0000                                     | 2-20033/0594 | 09/03/76         | 10             | 8220                   | 5559N                              | 07102E                              | 37.4         | 147.3        | FGGG              |                     |                      | 169                     | 21                     |
| 2590-05323        | 00000/0000                                     | 2-20033/0595 | 09/03/76         | 10             | 8220                   | 5436N                              | 07014E                              | 38.4         | 145.8        | GGGG              |                     |                      | 169                     | 22                     |
| 2590-05325        | 00000/0000                                     | 2-20033/0596 | 09/03/76         | 10             | 8220                   | 5311N                              | 06929E                              | 39.3         | 144.4        | GGGG              |                     |                      | 169                     | 23                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=8 AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|-------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2590-05332        | 00000/0000                   | 2-20032/0597                | 09/03/76         | 0              | 8220            | 5146N                        | 06446E                        | 40.2         | 143.0        | GGGG                               |                     |                      | 169                     | 24                     |
| 2590-05334        | 00000/0000                   | 2-20032/0598                | 09/03/76         | 10             | 8220            | 5022N                        | 06405E                        | 41.1         | 141.5        | GGGG                               |                     |                      | 169                     | 25                     |
| 2590-05352        | 00000/0000                   | 2-20032/0599                | 09/03/76         | 0              | 8220            | 4441N                        | 06541E                        | 44.5         | 139.6        | GGGG                               |                     |                      | 169                     | 29                     |
| 2590-07140        | 00000/0000                   | 2-20032/0600                | 09/03/76         | 8n             | 8221            | 6009N                        | 04759E                        | 34.5         | 151.7        | GGGG                               |                     |                      | 187                     | 18                     |
| 2590-07143        | 00000/0000                   | 2-20032/0601                | 09/03/76         | 5n             | 8221            | 5846N                        | 04701E                        | 35.5         | 150.2        | GGGG                               |                     |                      | 187                     | 19                     |
| 2590-07145        | 00000/0000                   | 2-20032/0602                | 09/03/76         | 5n             | 8221            | 5723N                        | 04606E                        | 36.5         | 148.7        | GGGG                               |                     |                      | 187                     | 20                     |
| 2590-07152        | 00000/0000                   | 2-20032/0603                | 09/03/76         | 4n             | 8221            | 5559N                        | 04515E                        | 37.4         | 147.3        | GGGG                               |                     |                      | 187                     | 21                     |
| 2590-07154        | 00000/0000                   | 2-20032/0617                | 09/03/76         | 4n             | 8221            | 5435N                        | 04427E                        | 38.4         | 145.8        | FGGG                               |                     |                      | 187                     | 22                     |
| 2590-07161        | 00000/0000                   | 2-20032/0618                | 09/03/76         | 6n             | 8221            | 5311N                        | 04342E                        | 39.3         | 144.4        | FGGG                               |                     |                      | 187                     | 23                     |
| 2590-07163        | 00000/0000                   | 2-20032/0619                | 09/03/76         | 3n             | 8221            | 5146N                        | 04259E                        | 40.2         | 143.0        | FGGG                               |                     |                      | 187                     | 24                     |
| 2590-07170        | 00000/0000                   | 2-20032/0620                | 09/03/76         | 4n             | 8221            | 5022N                        | 04218E                        | 41.1         | 141.5        | FGGG                               |                     |                      | 187                     | 25                     |
| 2590-07172        | 00000/0000                   | 2-20032/0621                | 09/03/76         | 2n             | 8221            | 4847N                        | 04140E                        | 42.0         | 140.1        | FGGG                               |                     |                      | 187                     | 26                     |
| 2590-07175        | 00000/0000                   | 2-20032/0622                | 09/03/76         | 2n             | 8221            | 4732N                        | 04103E                        | 42.8         | 138.6        | FFGG                               |                     |                      | 187                     | 27                     |
| 2590-07181        | 00000/0000                   | 2-20032/0623                | 09/03/76         | 3n             | 8221            | 4617N                        | 04027E                        | 43.7         | 137.2        | FGGG                               |                     |                      | 187                     | 28                     |
| 2590-07184        | 00000/0000                   | 2-20032/0624                | 09/03/76         | 5n             | 8221            | 4442N                        | 03953E                        | 44.5         | 135.6        | FFGG                               |                     |                      | 187                     | 29                     |
| 2590-12494        | 00000/0000                   | 2-20032/0625                | 09/03/76         | 9n             | 8224            | 2846S                        | 05647W                        | 34.2         | 56.6         | GGGG                               |                     |                      | 241                     | 80                     |
| 2590-12501        | 00000/0000                   | 2-20032/0626                | 09/03/76         | 9n             | 8224            | 3012S                        | 05711W                        | 33.2         | 56.0         | GGFG                               |                     |                      | 241                     | 81                     |
| 2590-12503        | 00000/0000                   | 2-20032/0627                | 09/03/76         | 8n             | 8224            | 3138S                        | 05735W                        | 32.1         | 55.5         | FFFF                               |                     |                      | 241                     | 82                     |
| 2590-14080        | 00000/0000                   | 2-20032/0588                | 09/03/76         | 1n             | 8225            | 5721N                        | 05712W                        | 36.4         | 148.7        | GGGG                               |                     |                      | 8                       | 20                     |
| 2590-14082        | 00000/0000                   | 2-20032/0589                | 09/03/76         | 4n             | 8225            | 5558N                        | 05403W                        | 37.3         | 147.3        | FGGG                               |                     |                      | 8                       | 21                     |
| 2590-14085        | 00000/0000                   | 2-20032/0590                | 09/03/76         | 2n             | 8225            | 5444N                        | 05451W                        | 38.3         | 145.9        | FGGG                               |                     |                      | 8                       | 22                     |
| 2590-15532        | 00000/0000                   | 2-20032/0591                | 09/03/76         | 10n            | 8226            | 5021N                        | 04650W                        | 41.0         | 141.6        | GGGG                               |                     |                      | 26                      | 25                     |
| 2590-16011        | 00000/0000                   | 2-20032/0643                | 09/03/76         | 5n             | 8226            | 2309N                        | 09550W                        | 52.6         | 109.3        | FGGG                               |                     |                      | 26                      | 44                     |
| 2590-16014        | 00000/0000                   | 2-20032/0644                | 09/03/76         | 7n             | 8226            | 2143N                        | 09613W                        | 52.8         | 107.3        | GGGG                               |                     |                      | 26                      | 45                     |
| 2590-16020        | 00000/0000                   | 2-20032/0645                | 09/03/76         | 6n             | 8226            | 2016N                        | 09635W                        | 53.0         | 105.3        | FGGG                               |                     |                      | 26                      | 46                     |
| 2590-17261        | 2-20033/0149                 | 00000/0000                  | 09/03/76         | 1n             | 8227            | 8043N                        | 04714W                        | 15.0         | 215.6        | GGG                                |                     |                      | 31                      | 247                    |
| 2590-17264        | 2-20033/0150                 | 00000/0000                  | 09/03/76         | 10n            | 8227            | 8013N                        | 05534W                        | 16.1         | 207.3        | GGG                                |                     |                      | 43                      | 1                      |
| 2590-17273        | 2-20033/0111                 | 00000/0000                  | 09/03/76         | 9n             | 8227            | 7843N                        | 04925W                        | 18.4         | 193.4        | GGG                                |                     |                      | 44                      | 3                      |
| 2590-17275        | 2-20033/0112                 | 00000/0000                  | 09/03/76         | 9n             | 8227            | 7746N                        | 07458W                        | 19.5         | 187.8        | GGG                                |                     |                      | 44                      | 4                      |
| 2590-17352        | 00000/0000                   | 2-20032/0581                | 09/03/76         | 2n             | 8227            | 5434N                        | 11029W                        | 38.3         | 145.9        | FGGG                               |                     |                      | 44                      | 22                     |
| 2590-17354        | 00000/0000                   | 2-20032/0582                | 09/03/76         | 5n             | 8227            | 5310N                        | 11114W                        | 39.2         | 144.5        | GGGG                               |                     |                      | 44                      | 23                     |
| 2590-17361        | 00000/0000                   | 2-20032/0583                | 09/03/76         | 4n             | 8227            | 5145N                        | 11156W                        | 40.1         | 143.1        | GGGG                               |                     |                      | 44                      | 24                     |
| 2590-17363        | 00000/0000                   | 2-20032/0584                | 09/03/76         | 3n             | 8227            | 5020N                        | 11236W                        | 41.0         | 141.6        | GGGG                               |                     |                      | 44                      | 25                     |
| 2590-19093        | 2-20033/0113                 | 00000/0000                  | 09/03/76         | 4n             | 8228            | 8044N                        | 07305W                        | 14.9         | 215.6        | GGG                                |                     |                      | 49                      | 247                    |
| 2590-19095        | 2-20033/0114                 | 00000/0000                  | 09/03/76         | 3n             | 8228            | 8013N                        | 08129W                        | 16.1         | 207.3        | GGG                                |                     |                      | 61                      | 1                      |
| 2590-20563        | 00000/0000                   | 2-20032/0587                | 09/03/76         | 9n             | 8229            | 7208N                        | 14425W                        | 24.9         | 169.2        | G                                  |                     |                      | 80                      | 9                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2590-23083        | 00000/0000                   | 2-20032/0628                | 09/03/76         | 0              | 8230            | 2553S 14907E                            | 36.3         | 58.0         | GGGG                               |                     |                      | 98                      | 78                     |
| 2590-23085        | 00000/0000                   | 2-20032/0629                | 09/03/76         | 0              | 8230            | 2719S 14844E                            | 35.3         | 57.3         | GGGG                               |                     |                      | 98                      | 79                     |
| 2590-23092        | 00000/0000                   | 2-20032/0630                | 09/03/76         | 0              | 8230            | 2846S 14819E                            | 34.3         | 56.7         | GGGG                               |                     |                      | 98                      | 80                     |
| 2590-23094        | 00000/0000                   | 2-20032/0631                | 09/03/76         | 0              | 8230            | 3012S 14755E                            | 33.3         | 56.2         | GGGG                               |                     |                      | 98                      | 81                     |
| 2590-23101        | 00000/0000                   | 2-20032/0632                | 09/03/76         | 0              | 8230            | 3138S 14730E                            | 32.3         | 55.7         | GGGG                               |                     |                      | 98                      | 82                     |
| 2590-23103        | 00000/0000                   | 2-20032/0633                | 09/03/76         | 10             | 8230            | 3303S 14705E                            | 31.2         | 55.2         | GGGG                               |                     |                      | 98                      | 83                     |
| 2590-23110        | 00000/0000                   | 2-20032/0634                | 09/03/76         | 10             | 8230            | 3428S 14639E                            | 30.2         | 54.8         | GGGG                               |                     |                      | 98                      | 84                     |
| 2590-23112        | 00000/0000                   | 2-20032/0635                | 09/03/76         | 10             | 8230            | 3554S 14613E                            | 29.2         | 54.4         | GGGG                               |                     |                      | 98                      | 85                     |
| 2591-02125        | 00000/0000                   | 2-20032/0604                | 09/04/76         | 90             | 8232            | 5021N 11816E                            | 40.9         | 141.8        | GGGG                               |                     |                      | 134                     | 25                     |
| 2591-02152        | 00000/0000                   | 2-20032/0605                | 09/04/76         | 90             | 8232            | 4140N 11449E                            | 45.8         | 132.8        | GGGG                               |                     |                      | 134                     | 31                     |
| 2591-02155        | 00000/0000                   | 2-20032/0606                | 09/04/76         | 60             | 8232            | 4025N 11419E                            | 45.5         | 131.3        | GGGG                               |                     |                      | 134                     | 32                     |
| 2591-02161        | 00000/0000                   | 2-20032/0607                | 09/04/76         | 20             | 8232            | 3858N 11350E                            | 47.2         | 129.7        | GGGG                               |                     |                      | 134                     | 33                     |
| 2591-02164        | 00000/0000                   | 2-20032/0608                | 09/04/76         | 10             | 8232            | 3732N 11322E                            | 47.9         | 128.0        | GGGG                               |                     |                      | 134                     | 34                     |
| 2591-02170        | 00000/0000                   | 2-20032/0609                | 09/04/76         | 40             | 8232            | 3607N 11254E                            | 48.6         | 126.3        | GGGG                               |                     |                      | 134                     | 35                     |
| 2591-02173        | 00000/0000                   | 2-20032/0610                | 09/04/76         | 90             | 8232            | 3441N 11227E                            | 49.2         | 124.6        | GGGG                               |                     |                      | 134                     | 36                     |
| 2591-03534        | 00000/0000                   | 2-20032/0611                | 09/04/76         | 100            | 8233            | 5846N 09710E                            | 35.2         | 150.3        | GGGG                               |                     |                      | 152                     | 19                     |
| 2591-03540        | 00000/0000                   | 2-20032/0612                | 09/04/76         | 100            | 8233            | 5703N 09615E                            | 36.2         | 148.9        | GGGG                               |                     |                      | 152                     | 20                     |
| 2591-03543        | 00000/0000                   | 2-20032/0613                | 09/04/76         | 90             | 8233            | 5559N 09524E                            | 37.1         | 147.5        | GGGG                               |                     |                      | 152                     | 21                     |
| 2591-03545        | 00000/0000                   | 2-20032/0614                | 09/04/76         | 80             | 8233            | 5425N 09436E                            | 38.1         | 146.0        | GGGG                               |                     |                      | 152                     | 22                     |
| 2591-03552        | 00000/0000                   | 2-20032/0615                | 09/04/76         | 20             | 8233            | 5310N 09350E                            | 39.0         | 144.6        | GGGG                               |                     |                      | 152                     | 23                     |
| 2591-03554        | 00000/0000                   | 2-20032/0616                | 09/04/76         | 10             | 8233            | 5145N 09308E                            | 40.0         | 143.2        | GGGG                               |                     |                      | 152                     | 24                     |
| 2591-05365        | 00000/0000                   | 2-20032/0744                | 09/04/76         | 10             | 8234            | 5845N 07119E                            | 35.2         | 150.4        | FFPG                               |                     |                      | 170                     | 19                     |
| 2591-05372        | 00000/0000                   | 2-20032/0745                | 09/04/76         | 10             | 8234            | 5722N 07025E                            | 36.2         | 148.9        | FFPG                               |                     |                      | 170                     | 20                     |
| 2591-05374        | 00000/0000                   | 2-20032/0772                | 09/04/76         | 10             | 8234            | 5558N 06934E                            | 37.1         | 147.5        | G G                                |                     |                      | 170                     | 21                     |
| 2591-05410        | 00000/0000                   | 2-20032/0773                | 09/04/76         | 40             | 8234            | 4439N 06413E                            | 44.2         | 135.9        | GGGG                               |                     |                      | 170                     | 29                     |
| 2591-05440        | 00000/0000                   | 2-20032/0774                | 09/04/76         | 0              | 8234            | 3440N 06048E                            | 49.1         | 124.7        | GGGG                               |                     |                      | 170                     | 36                     |
| 2591-05442        | 00000/0000                   | 2-20032/0775                | 09/04/76         | 0              | 8234            | 3313N 06023E                            | 49.7         | 122.9        | GGGG                               |                     |                      | 170                     | 37                     |
| 2591-07204        | 00000/0000                   | 2-20032/0776                | 09/04/76         | 10             | 8235            | 5721N 04438E                            | 36.1         | 148.9        | GGGG                               |                     |                      | 188                     | 20                     |
| 2591-07210        | 00000/0000                   | 2-20032/0777                | 09/04/76         | 50             | 8235            | 5558N 04348E                            | 37.1         | 147.5        | GGGG                               |                     |                      | 188                     | 21                     |
| 2591-07213        | 00000/0000                   | 2-20032/0778                | 09/04/76         | 30             | 8235            | 5434N 04300E                            | 38.1         | 146.1        | GGGG                               |                     |                      | 188                     | 22                     |
| 2591-07215        | 00000/0000                   | 2-20032/0779                | 09/04/76         | 60             | 8235            | 5310N 04215E                            | 39.0         | 144.6        | GGGG                               |                     |                      | 188                     | 23                     |
| 2591-07222        | 00000/0000                   | 2-20032/0780                | 09/04/76         | 70             | 8235            | 5145N 04132E                            | 39.9         | 143.2        | GGGG                               |                     |                      | 188                     | 24                     |
| 2591-07224        | 00000/0000                   | 2-20032/0781                | 09/04/76         | 80             | 8235            | 5020N 04051E                            | 40.8         | 141.8        | GGGG                               |                     |                      | 188                     | 25                     |
| 2591-07231        | 00000/0000                   | 2-20032/0782                | 09/04/76         | 70             | 8235            | 4855N 04012E                            | 41.7         | 140.4        | GGGG                               |                     |                      | 188                     | 26                     |
| 2591-07233        | 00000/0000                   | 2-20032/0783                | 09/04/76         | 90             | 8235            | 4721N 03935E                            | 42.6         | 138.9        | GGGG                               |                     |                      | 188                     | 27                     |
| 2591-07240        | 00000/0000                   | 2-20032/0784                | 09/04/76         | 90             | 8235            | 4606N 03900E                            | 43.4         | 137.5        | GGGG                               |                     |                      | 188                     | 28                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2591-07242        | 00000/0000                                     | 2-20032/0785 | 09/04/76         | 60             | 8235            | 4440N                              | 03826E                              | 44.2         | 136.0        |                   |                     |                      | 188                     | 29                     |
| 2591-10485        | 00000/0000                                     | 2-20032/0786 | 09/04/76         | 80             | 8237            | 5143N                              | 01007W                              | 39.9         | 143.2        | GGGG              |                     |                      | 224                     | 24                     |
| 2591-12561        | 00000/0000                                     | 2-20032/0787 | 09/04/76         | 90             | 8238            | 3139S                              | 05903W                              | 32.4         | 55.8         | GGGG              |                     |                      | 242                     | 87                     |
| 2591-12564        | 00000/0000                                     | 2-20032/0788 | 09/04/76         | 70             | 8236            | 3305S                              | 05928W                              | 31.4         | 55.3         | GGGG              |                     |                      | 242                     | 83                     |
| 2591-12570        | 00000/0000                                     | 2-20032/0789 | 09/04/76         | 10             | 8238            | 3471S                              | 05953W                              | 30.4         | 54.9         | GGGG              |                     |                      | 242                     | 84                     |
| 2591-12573        | 00000/0000                                     | 2-20032/0790 | 09/04/76         | 30             | 8238            | 3546S                              | 06020W                              | 29.3         | 54.5         | FFFF              |                     |                      | 242                     | 85                     |
| 2591-12575        | 00000/0000                                     | 2-20032/0791 | 09/04/76         | 10             | 8238            | 3722S                              | 06047W                              | 28.2         | 54.2         | PPPP              |                     |                      | 242                     | 86                     |
| 2591-12584        | 00000/0000                                     | 2-20032/0687 | 09/04/76         | 40             | 8238            | 4012S                              | 06144W                              | 26.1         | 53.6         | GGGF              |                     |                      | 242                     | 88                     |
| 2591-14154        | 00000/0000                                     | 2-20032/0771 | 09/04/76         | 100            | 8239            | 5019N                              | 06225W                              | 40.7         | 141.9        | GG                |                     |                      | 9                       | 25                     |
| 2591-14161        | 00000/0000                                     | 2-20032/0766 | 09/04/76         | 90             | 8239            | 4854N                              | 06304W                              | 41.6         | 140.4        | G GG              |                     | H                    | 9                       | 26                     |
| 2591-14170        | 00000/0000                                     | 2-20032/0767 | 09/04/76         | 20             | 8239            | 4604N                              | 06416W                              | 43.3         | 137.5        | GGGG              |                     | H                    | 9                       | 28                     |
| 2591-14172        | 00000/0000                                     | 2-20032/0768 | 09/04/76         | 10             | 8239            | 4438N                              | 06450W                              | 44.1         | 136.0        | GGGG              |                     | H                    | 9                       | 29                     |
| 2591-14175        | 00000/0000                                     | 2-20032/0769 | 09/04/76         | 10             | 8239            | 4313N                              | 06522W                              | 44.9         | 134.5        | GGGG              |                     | H                    | 9                       | 30                     |
| 2591-14181        | 00000/0000                                     | 2-20032/0770 | 09/04/76         | 10             | 8239            | 4148N                              | 06553W                              | 45.7         | 133.0        | FFFF              |                     | H                    | 9                       | 31                     |
| 2591-16070        | 00000/0000                                     | 2-20032/0813 | 09/04/76         | 20             | 8240            | 2308N                              | 09717W                              | 52.5         | 109.9        | GGGG              |                     |                      | 27                      | 44                     |
| 2591-16072        | 00000/0000                                     | 2-20032/0814 | 09/04/76         | 30             | 8240            | 2141N                              | 09739W                              | 52.7         | 107.9        | GGGG              |                     |                      | 27                      | 45                     |
| 2591-16075        | 00000/0000                                     | 2-20032/0815 | 09/04/76         | 50             | 8240            | 2014N                              | 09801W                              | 52.9         | 105.9        | GGGG              |                     |                      | 27                      | 46                     |
| 2591-16081        | 00000/0000                                     | 2-20032/0816 | 09/04/76         | 40             | 8240            | 1848N                              | 09823W                              | 53.1         | 103.8        | GGGG              |                     |                      | 27                      | 47                     |
| 2591-17315        | 2-20033/0115                                   | 00000/0000   | 09/04/76         | 10             | 8241            | 8042N                              | 04854W                              | 14.6         | 215.5        | GG                |                     |                      | 32                      | 247                    |
| 2591-17322        | 2-20033/0116                                   | 00000/0000   | 09/04/76         | 10             | 8241            | 8012N                              | 05712W                              | 15.7         | 207.2        | GGG               |                     |                      | 44                      |                        |
| 2591-17324        | 2-20033/0117                                   | 00000/0000   | 09/04/76         | 50             | 8241            | 7931N                              | 06432W                              | 16.9         | 199.8        | GGG               |                     |                      | 44                      | 2                      |
| 2591-17331        | 2-20033/0118                                   | 00000/0000   | 09/04/76         | 30             | 8241            | 7842N                              | 07055W                              | 18.0         | 193.3        | GGG               |                     |                      | 45                      | 3                      |
| 2591-17333        | 2-20033/0119                                   | 00000/0000   | 09/04/76         | 40             | 8241            | 7746N                              | 07627W                              | 19.1         | 187.7        | GGG               |                     |                      | 45                      | 4                      |
| 2591-17413        | 00000/0000                                     | 2-20032/0810 | 09/04/76         | 20             | 8241            | 5348N                              | 11240W                              | 38.9         | 144.7        | GGGG              |                     |                      | 45                      | 23                     |
| 2591-17415        | 00000/0000                                     | 2-20032/0811 | 09/04/76         | 40             | 8241            | 5143N                              | 11322W                              | 39.8         | 143.3        | GGGG              |                     |                      | 45                      | 24                     |
| 2591-17422        | 00000/0000                                     | 2-20032/0812 | 09/04/76         | 30             | 8241            | 5019N                              | 11403W                              | 40.7         | 141.9        | GGGG              |                     |                      | 45                      | 25                     |
| 2591-19151        | 2-20033/0120                                   | 00000/0000   | 09/04/76         | 10             | 8242            | 8043N                              | 07423W                              | 14.6         | 215.9        | GGG               |                     |                      | 50                      | 247                    |
| 2591-19153        | 2-20033/0121                                   | 00000/0000   | 09/04/76         | 10             | 8242            | 8013N                              | 08242W                              | 15.7         | 207.5        | GGG               |                     |                      | 62                      | 1                      |
| 2591-20585        | 00000/0000                                     | 2-20032/0792 | 09/04/76         | 40             | 8243            | 8017N                              | 10753W                              | 15.6         | 208.2        | GGGG              |                     |                      | 67                      | 248                    |
| 2591-20591        | 00000/0000                                     | 2-20032/0793 | 09/04/76         | 40             | 8243            | 7937N                              | 11525W                              | 16.7         | 200.7        | FGGG              |                     |                      | 80                      | 2                      |
| 2591-20594        | 00000/0000                                     | 2-20032/0794 | 09/04/76         | 50             | 8243            | 7848N                              | 12157W                              | 17.8         | 194.1        | FGGG              |                     |                      | 80                      | 3                      |
| 2591-21000        | 00000/0000                                     | 2-20032/0795 | 09/04/76         | 40             | 8243            | 7752N                              | 12733W                              | 18.9         | 188.4        | FGGG              |                     |                      | 80                      | 4                      |
| 2591-21003        | 00000/0000                                     | 2-20032/0796 | 09/04/76         | 40             | 8243            | 7651N                              | 13220W                              | 20.1         | 183.5        | GGGG              |                     |                      | 80                      | 5                      |
| 2591-21005        | 00000/0000                                     | 2-20032/0797 | 09/04/76         | 90             | 8243            | 7545N                              | 13628W                              | 21.2         | 179.2        | FGGG              |                     |                      | 81                      | 6                      |
| 2591-21012        | 00000/0000                                     | 2-20032/0798 | 09/04/76         | 90             | 8243            | 7436N                              | 14001W                              | 22.3         | 175.5        | GGGG              |                     |                      | 81                      | 7                      |
| 2591-21014        | 00000/0000                                     | 2-20032/0799 | 09/04/76         | 100            | 8243            | 7324N                              | 14304W                              | 23.4         | 172.2        | GGGG              |                     |                      | 81                      | 8                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2591-21021        | 00000/0000                   | 2-20032/0800                | 09/04/76         | 100            | 8243            | 7210N                        | 14545W        | 24.5         | 169.4        | GGGG                               |                     |                      | 81                      | 9                      |
| 2591-23132        | 00000/0000                   | 2-20032/0688                | 09/04/76         | 0              | 8244            | 2303S                        | 14825E        | 38.5         | 59.7         | GFGE                               |                     |                      | 99                      | 76                     |
| 2591-23134        | 00000/0000                   | 2-20032/0689                | 09/04/76         | 0              | 8244            | 2429S                        | 14802E        | 37.5         | 59.0         | GGGF                               |                     |                      | 99                      | 77                     |
| 2591-23161        | 00000/0000                   | 2-20032/0690                | 09/04/76         | 0              | 8244            | 3304S                        | 14539E        | 31.6         | 55.4         | GGFF                               |                     |                      | 99                      | 83                     |
| 2591-23164        | 00000/0000                   | 2-20032/0691                | 09/04/76         | 0              | 8244            | 3430S                        | 14513E        | 30.5         | 55.0         | GGFF                               |                     |                      | 99                      | 84                     |
| 2591-23170        | 00000/0000                   | 2-20032/0692                | 09/04/76         | 10             | 8244            | 3555S                        | 14447E        | 29.5         | 54.6         | GGFG                               |                     |                      | 99                      | 85                     |
| 2592-00361        | 00000/0000                   | 2-20032/0693                | 09/05/76         | 40             | 8245            | 4730N                        | 14124E        | 42.3         | 139.1        | FFFF                               |                     |                      | 117                     | 27                     |
| 2592-00363        | 00000/0000                   | 2-20032/0694                | 09/05/76         | 10             | 8245            | 4605N                        | 14049E        | 43.2         | 137.7        | FFFF                               |                     |                      | 117                     | 28                     |
| 2592-00370        | 00000/0000                   | 2-20032/0695                | 09/05/76         | 10             | 8245            | 4440N                        | 14015E        | 44.0         | 136.2        | FFFF                               |                     |                      | 117                     | 29                     |
| 2592-02211        | 00000/0000                   | 2-20032/0696                | 09/05/76         | 30             | 8246            | 4149N                        | 11322E        | 45.6         | 133.2        | GGGG                               |                     |                      | 135                     | 31                     |
| 2592-02213        | 00000/0000                   | 2-20032/0697                | 09/05/76         | 40             | 8246            | 4023N                        | 11252E        | 46.3         | 131.6        | GGGF                               |                     |                      | 135                     | 32                     |
| 2592-02220        | 00000/0000                   | 2-20032/0698                | 09/05/76         | 60             | 8246            | 3857N                        | 11223E        | 47.0         | 130.0        | GGFG                               |                     |                      | 135                     | 33                     |
| 2592-02222        | 00000/0000                   | 2-20032/0699                | 09/05/76         | 40             | 8246            | 3741N                        | 11154E        | 47.7         | 128.4        | GGFG                               |                     |                      | 135                     | 34                     |
| 2592-02225        | 00000/0000                   | 2-20032/0700                | 09/05/76         | 20             | 8246            | 3600N                        | 11127E        | 48.3         | 126.7        | GGGG                               |                     |                      | 135                     | 35                     |
| 2592-02231        | 00000/0000                   | 2-20032/0701                | 09/05/76         | 30             | 8246            | 3450N                        | 11100E        | 48.9         | 125.0        | GGGG                               |                     |                      | 135                     | 36                     |
| 2592-03592        | 00000/0000                   | 2-20032/0746                | 09/05/76         | 90             | 8247            | 5800N                        | 09543E        | 34.9         | 150.5        | FGGG                               |                     |                      | 153                     | 19                     |
| 2592-03595        | 00000/0000                   | 2-20032/0747                | 09/05/76         | 70             | 8247            | 5720N                        | 09449E        | 35.9         | 149.1        | FGFG                               |                     |                      | 153                     | 20                     |
| 2592-04001        | 00000/0000                   | 2-20032/0748                | 09/05/76         | 10             | 8247            | 5556N                        | 09358E        | 36.8         | 147.7        | FFFG                               |                     |                      | 153                     | 21                     |
| 2592-04004        | 00000/0000                   | 2-20032/0749                | 09/05/76         | 10             | 8247            | 5432N                        | 09310E        | 37.8         | 146.2        | FGFG                               |                     |                      | 153                     | 22                     |
| 2592-04010        | 00000/0000                   | 2-20032/0750                | 09/05/76         | 0              | 8247            | 5308N                        | 09225E        | 38.7         | 144.8        | FGFG                               |                     |                      | 153                     | 23                     |
| 2592-04033        | 00000/0000                   | 2-20032/0702                | 09/05/76         | 0              | 8247            | 4439N                        | 08838E        | 44.0         | 136.2        | GGFG                               |                     |                      | 153                     | 29                     |
| 2592-04040        | 00000/0000                   | 2-20032/0703                | 09/05/76         | 0              | 8247            | 4314N                        | 08803E        | 44.8         | 134.7        | GGFG                               |                     |                      | 153                     | 30                     |
| 2592-05421        | 00000/0000                   | 2-20032/0704                | 09/05/76         | 10             | 8248            | 6007N                        | 07054E        | 33.9         | 152.0        | FFFG                               |                     |                      | 171                     | 18                     |
| 2592-05424        | 00000/0000                   | 2-20032/0705                | 09/05/76         | 10             | 8248            | 5844N                        | 06956E        | 34.9         | 150.5        | FFFG                               |                     |                      | 171                     | 19                     |
| 2592-05430        | 00000/0000                   | 2-20032/0706                | 09/05/76         | 10             | 8248            | 5721N                        | 06901E        | 35.8         | 149.1        | FFFG                               |                     |                      | 171                     | 20                     |
| 2592-05433        | 00000/0000                   | 2-20032/0707                | 09/05/76         | 30             | 8248            | 5557N                        | 06810E        | 36.8         | 147.7        | FFGG                               |                     |                      | 171                     | 21                     |
| 2592-05435        | 00000/0000                   | 2-20032/0708                | 09/05/76         | 50             | 8248            | 5433N                        | 06722E        | 37.8         | 146.3        | FFGG                               |                     |                      | 171                     | 22                     |
| 2592-05442        | 00000/0000                   | 2-20032/0709                | 09/05/76         | 50             | 8248            | 5309N                        | 06636E        | 38.7         | 144.9        | FFFG                               |                     |                      | 171                     | 23                     |
| 2592-05444        | 00000/0000                   | 2-20032/0710                | 09/05/76         | 20             | 8248            | 5144N                        | 06554E        | 39.6         | 143.5        | FFFF                               |                     |                      | 171                     | 24                     |
| 2592-05451        | 00000/0000                   | 2-20032/0711                | 09/05/76         | 10             | 8248            | 5019N                        | 06513E        | 40.5         | 142.0        | FFGG                               |                     |                      | 171                     | 25                     |
| 2592-05485        | 00000/0000                   | 2-20032/0712                | 09/05/76         | 10             | 8248            | 3730N                        | 06018E        | 47.7         | 128.5        | GGGG                               |                     |                      | 171                     | 34                     |
| 2592-05492        | 00000/0000                   | 2-20032/0713                | 09/05/76         | 10             | 8248            | 3604N                        | 05951E        | 48.3         | 126.8        | GGGG                               |                     |                      | 171                     | 35                     |
| 2592-05494        | 00000/0000                   | 2-20032/0714                | 09/05/76         | 0              | 8248            | 3438N                        | 05924E        | 48.9         | 125.1        | FGGG                               |                     |                      | 171                     | 36                     |
| 2592-05501        | 00000/0000                   | 2-20032/0715                | 09/05/76         | 0              | 8248            | 3313N                        | 05858E        | 49.5         | 123.4        | FGGG                               |                     |                      | 171                     | 37                     |
| 2592-05503        | 00000/0000                   | 2-20032/0716                | 09/05/76         | 0              | 8248            | 3146N                        | 05832E        | 50.0         | 121.6        | FGGG                               |                     |                      | 171                     | 38                     |
| 2592-05510        | 00000/0000                   | 2-20032/0717                | 09/05/76         | 0              | 8248            | 3020N                        | 05807E        | 50.5         | 119.8        | GGGG                               |                     |                      | 171                     | 39                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = x CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>RBV | ROLL NO./<br>REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|---------------------------------|--------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2592-05512        | 00000/0000                      | 2-20032/0718             | 09/05/76         | n              | 8248            | 2854N                        | 05743E        | 51.0         | 117.9        | GGGG                               |                     |                      | 171                     | 40                     |
| 2592-05515        | 00000/0000                      | 2-20032/0719             | 09/05/76         | 1n             | 8248            | 2728N                        | 05719E        | 51.4         | 116.0        | FGGG                               |                     |                      | 171                     | 41                     |
| 2592-05521        | 00000/0000                      | 2-20032/0720             | 09/05/76         | 1n             | 8248            | 2602N                        | 05656E        | 51.8         | 114.1        | GFFF                               |                     |                      | 171                     | 42                     |
| 2592-07253        | 00000/0000                      | 2-20032/0751             | 09/05/76         | 4n             | 8249            | 6007N                        | 04504E        | 33.8         | 152.0        | FGGG                               |                     |                      | 189                     | 18                     |
| 2592-07255        | 00000/0000                      | 2-20032/0752             | 09/05/76         | 1n             | 8249            | 5844N                        | 04405E        | 34.8         | 150.6        | FGFG                               |                     |                      | 189                     | 19                     |
| 2592-07262        | 00000/0000                      | 2-20032/0753             | 09/05/76         | 1n             | 8249            | 5720N                        | 04311E        | 35.8         | 149.1        | FGFG                               |                     |                      | 189                     | 20                     |
| 2592-07264        | 00000/0000                      | 2-20032/0754             | 09/05/76         | 1n             | 8249            | 5556N                        | 04220E        | 36.8         | 147.7        | FFFG                               |                     |                      | 189                     | 21                     |
| 2592-07271        | 00000/0000                      | 2-20032/0755             | 09/05/76         | 2n             | 8249            | 5432N                        | 04133E        | 37.8         | 146.3        | FGFG                               |                     |                      | 189                     | 22                     |
| 2592-07273        | 00000/0000                      | 2-20032/0756             | 09/05/76         | 3n             | 8249            | 5308N                        | 04047E        | 38.7         | 144.9        | FFGG                               |                     |                      | 189                     | 23                     |
| 2592-07280        | 00000/0000                      | 2-20032/0757             | 09/05/76         | 2n             | 8249            | 5144N                        | 04005E        | 39.6         | 143.5        | FGFG                               |                     |                      | 189                     | 24                     |
| 2592-07282        | 00000/0000                      | 2-20032/0758             | 09/05/76         | 1n             | 8249            | 5013N                        | 03924E        | 40.5         | 142.1        | FGGG                               |                     |                      | 189                     | 25                     |
| 2592-07285        | 00000/0000                      | 2-20032/0759             | 09/05/76         | 1n             | 8249            | 4854N                        | 03845E        | 41.4         | 140.6        | FGFG                               |                     |                      | 189                     | 26                     |
| 2592-07291        | 00000/0000                      | 2-20032/0760             | 09/05/76         | 2n             | 8249            | 4729N                        | 03809E        | 42.3         | 139.2        | FFGG                               |                     |                      | 189                     | 27                     |
| 2592-07294        | 00000/0000                      | 2-20032/0761             | 09/05/76         | 2n             | 8249            | 4604N                        | 03733E        | 43.1         | 137.8        | GFFG                               |                     |                      | 189                     | 28                     |
| 2592-07300        | 00000/0000                      | 2-20032/0762             | 09/05/76         | 1n             | 8249            | 4439N                        | 03659E        | 43.9         | 136.3        | GGGG                               |                     |                      | 189                     | 29                     |
| 2592-07394        | 00000/0000                      | 2-20032/0763             | 09/05/76         | 2n             | 8249            | 1135N                        | 02730E        | 53.0         | 94.2         | GGGG                               |                     |                      | 189                     | 52                     |
| 2592-07400        | 00000/0000                      | 2-20032/0764             | 09/05/76         | 2n             | 8249            | 1008N                        | 02710E        | 52.8         | 92.2         | FGGG                               |                     |                      | 189                     | 53                     |
| 2592-07403        | 00000/0000                      | 2-20032/0765             | 09/05/76         | 5n             | 8249            | 0842N                        | 02650E        | 52.6         | 90.3         | GGFG                               |                     |                      | 189                     | 54                     |
| 2592-13011        | 00000/0000                      | 2-20032/0817             | 09/05/76         | 1n             | 8252            | 2845S                        | 05939W        | 34.8         | 57.1         | FFFF                               |                     |                      | 243                     | 80                     |
| 2592-13013        | 00000/0000                      | 2-20032/0818             | 09/05/76         | n              | 8252            | 3010S                        | 06003W        | 33.8         | 56.6         | FGGG                               |                     |                      | 243                     | 81                     |
| 2592-13043        | 00000/0000                      | 2-20032/0819             | 09/05/76         | 3n             | 8252            | 2810S                        | 06309W        | 26.5         | 53.8         | FFFF                               |                     |                      | 243                     | 88                     |
| 2592-14215        | 00000/0000                      | 2-20032/0854             | 09/05/76         | 8n             | 8253            | 4856N                        | 06429W        | 41.3         | 140.8        | FGGG                               |                     |                      | 10                      | 26                     |
| 2592-14240        | 00000/0000                      | 2-20032/0855             | 09/05/76         | 1n             | 8253            | 4150N                        | 06719W        | 45.4         | 133.4        | PGGG                               |                     |                      | 10                      | 31                     |
| 2592-14242        | 00000/0000                      | 2-20032/0856             | 09/05/76         | 3n             | 8253            | 4024N                        | 06749W        | 46.2         | 131.9        | FFGG                               |                     |                      | 10                      | 32                     |
| 2592-14245        | 00000/0000                      | 2-20032/0857             | 09/05/76         | 3n             | 8253            | 3858N                        | 06818W        | 46.9         | 130.3        | FGFG                               |                     |                      | 10                      | 33                     |
| 2592-16121        | 00000/0000                      | 2-20032/0721             | 09/05/76         | 1n             | 8254            | 2436N                        | 05820W        | 52.1         | 112.5        | GGGG                               |                     |                      | 28                      | 43                     |
| 2592-16124        | 00000/0000                      | 2-20032/0722             | 09/05/76         | 1n             | 8254            | 2310N                        | 05843W        | 52.4         | 110.5        | GGGG                               |                     |                      | 28                      | 44                     |
| 2592-16130        | 00000/0000                      | 2-20032/0723             | 09/05/76         | 2n             | 8254            | 2143N                        | 05905W        | 52.6         | 108.5        | GGGG                               |                     |                      | 28                      | 45                     |
| 2592-16133        | 00000/0000                      | 2-20032/0724             | 09/05/76         | 1n             | 8254            | 2016N                        | 05927W        | 52.8         | 106.5        | GGGG                               |                     |                      | 28                      | 46                     |
| 2592-16135        | 00000/0000                      | 2-20032/0725             | 09/05/76         | 1n             | 8254            | 1849N                        | 05949W        | 53.0         | 104.5        | GGGG                               |                     |                      | 28                      | 47                     |
| 2592-16142        | 00000/0000                      | 2-20032/0726             | 09/05/76         | 3n             | 8254            | 1723N                        | 10011W        | 53.1         | 102.5        | FGFG                               |                     |                      | 28                      | 48                     |
| 2592-17374        | 2-20033/0122                    | 00000/0000               | 09/05/76         | 4n             | 8255            | 8044N                        | 05006W        | 14.2         | 215.8        | GGG                                |                     |                      | 33                      | 247                    |
| 2592-17380        | 2-20033/0123                    | 00000/0000               | 09/05/76         | 4n             | 8255            | 8014N                        | 05026W        | 15.3         | 207.5        | GGG                                |                     |                      | 45                      | 1                      |
| 2592-17383        | 2-20033/0124                    | 00000/0000               | 09/05/76         | 6n             | 8255            | 7933N                        | 06552W        | 16.5         | 200.1        | GGG                                |                     |                      | 45                      | 2                      |
| 2592-17385        | 2-20033/0125                    | 00000/0000               | 09/05/76         | 7n             | 8255            | 7843N                        | 07219W        | 17.6         | 193.6        | GGG                                |                     |                      | 46                      | 3                      |
| 2592-17462        | 00000/0000                      | 2-20032/1218             | 09/05/76         | 3n             | 8255            | 5558N                        | 11232W        | 36.6         | 147.8        | GGGG                               |                     |                      | 46                      | 21                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FOR NON-US  
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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2592-17464        | 00000/0000                                     | 2-20032/1219 | 09/05/76         | 70             | 8255            | 5434N                              | 11320W                              | 37.6         | 146.4        |                       |                     |                      |                         |                        |
| 2592-17471        | 00000/0000                                     | 2-20032/1220 | 09/05/76         | 90             | 8255            | 5310N                              | 11405W                              | 38.5         | 145.0        | GGGG                  |                     |                      | 46                      | 22                     |
| 2592-17473        | 00000/0000                                     | 2-20032/1221 | 09/05/76         | 80             | 8255            | 5146N                              | 11448W                              | 39.5         | 143.6        | GGGG                  |                     |                      | 46                      | 23                     |
| 2592-17480        | 00000/0000                                     | 2-20032/1222 | 09/05/76         | 60             | 8255            | 5071N                              | 11529W                              | 40.4         | 142.2        | GGGG                  |                     |                      | 46                      | 24                     |
| 2592-19205        | 2-20033/0126                                   | 00000/0000   | 09/05/76         | 20             | 8256            | 8043N                              | 07552W                              | 14.2         | 215.8        | GGG                   |                     |                      | 46                      | 25                     |
| 2592-19212        | 2-20033/0127                                   | 00000/0000   | 09/05/76         | 10             | 8256            | 8013N                              | 08412W                              | 15.3         | 207.5        | GGG                   |                     |                      | 51                      | 247                    |
| 2592-21043        | 00000/0000                                     | 2-20032/0801 | 09/05/76         | 100            | 8257            | 8016N                              | 10927W                              | 15.2         | 208.1        |                       |                     |                      | 63                      | 1                      |
| 2592-21050        | 00000/0000                                     | 2-20032/0802 | 09/05/76         | 100            | 8257            | 7936N                              | 11636W                              | 16.3         | 200.6        | GFGG                  |                     |                      | 68                      | 248                    |
| 2592-21052        | 00000/0000                                     | 2-20032/0803 | 09/05/76         | 70             | 8257            | 7848N                              | 12328W                              | 17.5         | 194.0        | GGGG                  |                     |                      | 81                      | 2                      |
| 2592-21055        | 00000/0000                                     | 2-20032/0804 | 09/05/76         | 70             | 8257            | 7752N                              | 12905W                              | 18.6         | 188.4        | GGGG                  |                     |                      | 81                      | 3                      |
| 2592-21061        | 00000/0000                                     | 2-20032/0805 | 09/05/76         | 90             | 8257            | 7650N                              | 13353W                              | 19.7         | 183.5        | GGGG                  |                     |                      | 81                      | 4                      |
| 2592-21064        | 00000/0000                                     | 2-20032/0806 | 09/05/76         | 100            | 8257            | 7544N                              | 13800W                              | 20.8         | 179.2        | GGGG                  |                     |                      | 82                      | 5                      |
| 2592-21070        | 00000/0000                                     | 2-20032/0807 | 09/05/76         | 100            | 8257            | 7435N                              | 14132W                              | 21.9         | 175.5        | GGGG                  |                     |                      | 82                      | 6                      |
| 2592-21073        | 00000/0000                                     | 2-20032/0808 | 09/05/76         | 10             | 8257            | 7322N                              | 14437W                              | 23.0         | 172.3        | GGGG                  |                     |                      | 82                      | 7                      |
| 2592-21075        | 00000/0000                                     | 2-20032/0809 | 09/05/76         | 10             | 8257            | 7208N                              | 14717W                              | 24.1         | 169.4        | GGGG                  |                     |                      | 82                      | 8                      |
| 2592-23190        | 00000/0000                                     | 2-20032/0820 | 09/05/76         | 90             | 8258            | 2304S                              | 14657E                              | 38.8         | 60.0         | GGGG                  |                     |                      | 82                      | 9                      |
| 2592-23222        | 00000/0000                                     | 2-20032/0821 | 09/05/76         | 0              | 8258            | 3431S                              | 14345E                              | 30.8         | 55.2         | GGGG                  |                     |                      | 100                     | 76                     |
| 2592-23225        | 00000/0000                                     | 2-20032/0822 | 09/05/76         | 0              | 8258            | 3557S                              | 14319E                              | 29.8         | 54.8         | GGGG                  |                     |                      | 100                     | 84                     |
| 2593-01051        | 00000/0000                                     | 2-20032/0823 | 09/06/76         | 80             | 8259            | 3304S                              | 11822E                              | 31.9         | 55.7         | GGGG                  |                     |                      | 100                     | 85                     |
| 2593-02265        | 00000/0000                                     | 2-20032/0824 | 09/06/76         | 90             | 8260            | 414CN                              | 11157E                              | 45.3         | 133.6        | GGGG                  |                     |                      | 118                     | 83                     |
| 2593-02271        | 00000/0000                                     | 2-20032/0825 | 09/06/76         | 90             | 8260            | 4022N                              | 11127E                              | 46.0         | 132.0        | GGGG                  |                     |                      | 136                     | 31                     |
| 2593-02274        | 00000/0000                                     | 2-20032/0826 | 09/06/76         | 100            | 8260            | 3856N                              | 11057E                              | 46.8         | 130.4        | GGGG                  |                     |                      | 136                     | 32                     |
| 2593-02280        | 00000/0000                                     | 2-20032/0827 | 09/06/76         | 100            | 8260            | 3730N                              | 11029E                              | 47.4         | 128.8        | GGGG                  |                     |                      | 136                     | 33                     |
| 2593-02283        | 00000/0000                                     | 2-20032/0828 | 09/06/76         | 100            | 8260            | 3605N                              | 11002E                              | 48.1         | 127.2        | GGGG                  |                     |                      | 136                     | 34                     |
| 2593-02285        | 00000/0000                                     | 2-20032/0829 | 09/06/76         | 100            | 8260            | 3439N                              | 10935E                              | 48.7         | 125.5        | GGGG                  |                     |                      | 136                     | 35                     |
| 2593-04064        | 00000/0000                                     | 2-20032/0830 | 09/06/76         | 10             | 8261            | 5307N                              | 09056E                              | 38.4         | 145.1        | GGGG                  |                     |                      | 136                     | 36                     |
| 2593-04091        | 00000/0000                                     | 2-20032/0831 | 09/06/76         | 20             | 8261            | 4437N                              | 08711E                              | 43.7         | 136.6        | GGGG                  |                     |                      | 154                     | 23                     |
| 2593-04094        | 00000/0000                                     | 2-20032/0832 | 09/06/76         | 0              | 8261            | 4312N                              | 08639E                              | 44.5         | 135.1        | GGGG                  |                     |                      | 154                     | 29                     |
| 2593-05480        | 00000/0000                                     | 2-20032/0833 | 09/06/76         | 0              | 8262            | 6006N                              | 06928E                              | 33.5         | 152.2        | GGGG                  |                     |                      | 172                     | 30                     |
| 2593-05482        | 00000/0000                                     | 2-20032/0834 | 09/06/76         | 0              | 8262            | 5843N                              | 06829E                              | 34.5         | 150.7        | GGGG                  |                     |                      | 172                     | 18                     |
| 2593-05491        | 00000/0000                                     | 2-20032/0835 | 09/06/76         | 0              | 8262            | 5556N                              | 06643E                              | 36.5         | 147.9        | GGGG                  |                     |                      | 172                     | 19                     |
| 2593-05494        | 00000/0000                                     | 2-20032/0836 | 09/06/76         | 0              | 8262            | 5432N                              | 06555E                              | 37.5         | 146.5        | GGGG                  |                     |                      | 172                     | 21                     |
| 2593-05544        | 00000/0000                                     | 2-20032/0837 | 09/06/76         | 0              | 8262            | 3729N                              | 05851E                              | 47.4         | 128.9        | GGGG                  |                     |                      | 172                     | 22                     |
| 2593-05550        | 00000/0000                                     | 2-20032/0838 | 09/06/76         | 0              | 8262            | 3603N                              | 05824E                              | 48.1         | 127.2        | GGGG                  |                     |                      | 172                     | 34                     |
| 2593-05553        | 00000/0000                                     | 2-20032/0839 | 09/06/76         | 0              | 8262            | 3437N                              | 05758E                              | 48.7         | 125.5        | GGGG                  |                     |                      | 172                     | 35                     |
| 2593-05555        | 00000/0000                                     | 2-20032/0840 | 09/06/76         | 0              | 8262            | 3311N                              | 05731E                              | 49.3         | 123.8        | GGGG                  |                     |                      | 172                     | 36                     |
|                   |                                                |              |                  |                |                 |                                    |                                     |              |              |                       |                     |                      | 172                     | 37                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = X CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RST<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS DATA<br>123 45678 MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|----------------------------------------------|----------------------|-------------------------|------------------------|
| 2593-05562        | 00000/0000                   | 2-20032/0841               | 09/06/76         | 0              | 8262            | 3145N                        | 05706E        | 49.8         | 122.1        | GGGG                                         |                      | 172                     | 38                     |
| 2593-05564        | 00000/0000                   | 2-20032/0842               | 09/06/76         | 0              | 8262            | 3019N                        | 05641E        | 50.4         | 120.3        | GGGG                                         |                      | 172                     | 39                     |
| 2593-05571        | 00000/0000                   | 2-20032/0843               | 09/06/76         | 10             | 8262            | 2852N                        | 05616E        | 50.8         | 118.4        | GGGG                                         |                      | 172                     | 40                     |
| 2593-05573        | 00000/0000                   | 2-20032/0844               | 09/06/76         | 10             | 8262            | 2726N                        | 05553E        | 51.3         | 116.6        | GGGG                                         |                      | 172                     | 41                     |
| 2593-05580        | 00000/0000                   | 2-20032/0845               | 09/06/76         | 0              | 8262            | 2600N                        | 05529E        | 51.7         | 114.7        | GGGG                                         |                      | 172                     | 42                     |
| 2593-07311        | 00000/0000                   | 2-20032/0952               | 09/06/76         | 70             | 8263            | 6006N                        | 04338E        | 33.5         | 152.2        | GGGG                                         |                      | 190                     | 18                     |
| 2593-07314        | 00000/0000                   | 2-20032/0953               | 09/06/76         | 90             | 8263            | 5843N                        | 04239E        | 34.5         | 150.7        | GGGG                                         |                      | 190                     | 19                     |
| 2593-07320        | 00000/0000                   | 2-20032/0954               | 09/06/76         | 80             | 8263            | 5719N                        | 04144E        | 35.5         | 149.3        | GGGG                                         |                      | 190                     | 20                     |
| 2593-07323        | 00000/0000                   | 2-20032/0955               | 09/06/76         | 60             | 8263            | 5555N                        | 04053E        | 36.5         | 147.9        | GGGG                                         |                      | 190                     | 21                     |
| 2593-07325        | 00000/0000                   | 2-20032/0956               | 09/06/76         | 70             | 8263            | 5431N                        | 04006E        | 37.4         | 146.5        | GGGG                                         |                      | 190                     | 22                     |
| 2593-07332        | 00000/0000                   | 2-20032/0957               | 09/06/76         | 90             | 8263            | 5307N                        | 03920E        | 38.4         | 145.1        | GGGG                                         |                      | 190                     | 23                     |
| 2593-07334        | 00000/0000                   | 2-20032/0958               | 09/06/76         | 80             | 8263            | 5142N                        | 03837E        | 39.3         | 143.7        | GGGG                                         |                      | 190                     | 24                     |
| 2593-07341        | 00000/0000                   | 2-20032/0959               | 09/06/76         | 70             | 8263            | 5017N                        | 03757E        | 40.2         | 142.3        | GGGG                                         |                      | 190                     | 25                     |
| 2593-07343        | 00000/0000                   | 2-20032/0960               | 09/06/76         | 80             | 8263            | 4853N                        | 03719E        | 41.1         | 140.9        | GGGG                                         |                      | 190                     | 26                     |
| 2593-07350        | 00000/0000                   | 2-20032/0961               | 09/06/76         | 60             | 8263            | 4728N                        | 03642E        | 42.0         | 139.5        | GGGG                                         |                      | 190                     | 27                     |
| 2593-07352        | 00000/0000                   | 2-20032/0962               | 09/06/76         | 50             | 8263            | 4602N                        | 03606E        | 42.8         | 138.1        | GGGG                                         |                      | 190                     | 28                     |
| 2593-07355        | 00000/0000                   | 2-20032/0963               | 09/06/76         | 40             | 8263            | 4437N                        | 03533E        | 43.7         | 136.6        | GGGG                                         |                      | 190                     | 29                     |
| 2593-13065        | 00000/0000                   | 2-20032/0964               | 09/06/76         | 40             | 8266            | 2846S                        | 06106W        | 35.1         | 57.4         | GGGG                                         |                      | 244                     | 30                     |
| 2593-13071        | 00000/0000                   | 2-20032/0965               | 09/06/76         | 80             | 8266            | 3012S                        | 06130W        | 34.1         | 56.8         | GGGG                                         |                      | 244                     | 31                     |
| 2593-13074        | 00000/0000                   | 2-20032/0966               | 09/06/76         | 90             | 8266            | 3138S                        | 06155W        | 33.1         | 56.3         | GGGG                                         |                      | 244                     | 32                     |
| 2593-13080        | 00000/0000                   | 2-20032/0967               | 09/06/76         | 40             | 8266            | 3304S                        | 06220W        | 32.1         | 55.8         | GGGG                                         |                      | 244                     | 33                     |
| 2593-14273        | 00000/0000                   | 2-20032/0861               | 09/06/76         | 90             | 8267            | 4855N                        | 06556W        | 41.0         | 141.0        | GGGG                                         |                      | 11                      | 26                     |
| 2593-14303        | 00000/0000                   | 2-20032/0862               | 09/06/76         | 40             | 8267            | 3857N                        | 06944W        | 46.6         | 130.7        | GGGG                                         |                      | 11                      | 33                     |
| 2593-14305        | 00000/0000                   | 2-20032/0863               | 09/06/76         | 60             | 8267            | 3731N                        | 07013W        | 47.3         | 129.0        | GGGG                                         |                      | 11                      | 34                     |
| 2593-14312        | 00000/0000                   | 2-20032/0864               | 09/06/76         | 70             | 8267            | 3605N                        | 07040W        | 48.0         | 127.4        | GGGG                                         |                      | 11                      | 35                     |
| 2593-14314        | 00000/0000                   | 2-20032/0865               | 09/06/76         | 70             | 8267            | 3439N                        | 07107W        | 48.6         | 125.7        | GGGG                                         |                      | 11                      | 36                     |
| 2593-16103        | 00000/0000                   | 2-20032/0866               | 09/06/76         | 0              | 8268            | 5020N                        | 09108W        | 40.1         | 142.5        | GGGG                                         |                      | 29                      | 25                     |
| 2593-16180        | 00000/0000                   | 2-20032/0867               | 09/06/76         | 10             | 8268            | 2436N                        | 09446W        | 51.9         | 113.0        | GGGG                                         |                      | 29                      | 43                     |
| 2593-16182        | 00000/0000                   | 2-20032/0868               | 09/06/76         | 10             | 8268            | 2308N                        | 10009W        | 52.3         | 111.1        | GGGG                                         |                      | 29                      | 44                     |
| 2593-16185        | 00000/0000                   | 2-20032/0869               | 09/06/76         | 70             | 8268            | 2142N                        | 10032W        | 52.5         | 109.1        | GGGG                                         |                      | 29                      | 45                     |
| 2593-16191        | 00000/0000                   | 2-20032/0870               | 09/06/76         | 40             | 8268            | 2015N                        | 10054W        | 52.7         | 107.1        | GGGG                                         |                      | 29                      | 46                     |
| 2593-16194        | 00000/0000                   | 2-20032/0871               | 09/06/76         | 30             | 8268            | 1848N                        | 10116W        | 52.9         | 105.1        | GGGG                                         |                      | 29                      | 47                     |
| 2593-16200        | 00000/0000                   | 2-20032/0872               | 09/06/76         | 40             | 8268            | 1722N                        | 10138W        | 53.0         | 103.1        | GGGG                                         |                      | 29                      | 48                     |
| 2593-17434        | 2-20033/0128                 | 00000/0000                 | 09/06/76         | 100            | 8269            | 8013N                        | 05935W        | 14.9         | 207.7        | GGG                                          |                      | 46                      | 1                      |
| 2593-17441        | 2-20033/0129                 | 00000/0000                 | 09/06/76         | 90             | 8269            | 7943N                        | 06700W        | 16.1         | 200.3        | GGG                                          |                      | 46                      | 2                      |
| 2593-17443        | 2-20033/0130                 | 00000/0000                 | 09/06/76         | 90             | 8269            | 7844N                        | 07329W        | 17.2         | 193.8        | GGG                                          |                      | 46                      | 3                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBY | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2593-17523        | 00000/0000                   | 2-20032/0908                | 09/06/76         | 90             | 8269            | 5433N                        | 11446W        | 37.3         | 146.6        | GGGG                  |                     |                      | 47                      | 22                     |
| 2593-17525        | 00000/0000                   | 2-20032/0909                | 09/06/76         | 90             | 8269            | 5308N                        | 11531W        | 38.2         | 145.2        | GGGG                  |                     |                      | 47                      | 23                     |
| 2593-17532        | 00000/0000                   | 2-20032/0910                | 09/06/76         | 90             | 8269            | 5145N                        | 11614W        | 39.2         | 143.9        | GGGG                  |                     |                      | 47                      | 24                     |
| 2593-17584        | 00000/0000                   | 2-20032/0911                | 09/06/76         | 90             | 8269            | 3313N                        | 12310W        | 49.2         | 124.1        | GGGG                  |                     |                      | 47                      | 37                     |
| 2593-19263        | 2-20033/0131                 | 00000/0000                  | 09/06/76         | 50             | 8270            | 8044N                        | 07702W        | 13.8         | 216.0        | GGG                   |                     |                      | 52                      | 247                    |
| 2593-19270        | 2-20033/0132                 | 00000/0000                  | 09/06/76         | 90             | 8270            | 8015N                        | 08525W        | 14.9         | 207.7        | GGG                   |                     |                      | 64                      | 1                      |
| 2593-21101        | 00000/0000                   | 2-20032/0971                | 09/06/76         | 100            | 8271            | 8015N                        | 11053W        | 14.8         | 208.0        | GGGG                  |                     |                      | 82                      | 1                      |
| 2593-21104        | 00000/0000                   | 2-20032/0972                | 09/06/76         | 90             | 8271            | 7935N                        | 11822W        | 16.0         | 200.6        | GGGG                  |                     |                      | 82                      | 2                      |
| 2593-21110        | 00000/0000                   | 2-20032/0973                | 09/06/76         | 90             | 8271            | 7846N                        | 12454W        | 17.1         | 194.0        | GGGF                  |                     |                      | 82                      | 3                      |
| 2593-21113        | 00000/0000                   | 2-20032/0974                | 09/06/76         | 40             | 8271            | 7751N                        | 13032W        | 18.2         | 188.4        | GGGG                  |                     |                      | 82                      | 4                      |
| 2593-21115        | 00000/0000                   | 2-20032/0975                | 09/06/76         | 80             | 8271            | 7650N                        | 13521W        | 19.3         | 183.5        | GGGG                  |                     |                      | 83                      | 5                      |
| 2593-21122        | 00000/0000                   | 2-20032/0976                | 09/06/76         | 50             | 8271            | 7543N                        | 13929W        | 20.5         | 179.2        | GGGG                  |                     |                      | 83                      | 6                      |
| 2593-21124        | 00000/0000                   | 2-20032/0977                | 09/06/76         | 30             | 8271            | 7434N                        | 14301W        | 21.6         | 175.6        | GGGF                  |                     |                      | 83                      | 7                      |
| 2593-21131        | 00000/0000                   | 2-20032/0978                | 09/06/76         | 80             | 8271            | 7321N                        | 14605W        | 22.7         | 172.3        | GGGG                  |                     |                      | 83                      | 8                      |
| 2593-21133        | 00000/0000                   | 2-20032/0979                | 09/06/76         | 90             | 8271            | 7207N                        | 14844W        | 23.8         | 169.5        | GGGG                  |                     |                      | 83                      | 9                      |
| 2593-23283        | 00000/0000                   | 2-20032/0968                | 09/06/76         | 80             | 8272            | 3557S                        | 14152E        | 30.1         | 55.0         | GGGG                  |                     |                      | 101                     | 85                     |
| 2594-01100        | 00000/0000                   | 2-20032/0969                | 09/07/76         | 60             | 8273            | 3010S                        | 11747E        | 34.3         | 57.0         | GGGG                  |                     |                      | 119                     | 81                     |
| 2594-01103        | 00000/0000                   | 2-20032/0970                | 09/07/76         | 60             | 8273            | 3135S                        | 11722E        | 33.3         | 56.4         | GGGG                  |                     |                      | 119                     | 82                     |
| 2594-02330        | 00000/0000                   | 2-20032/0927                | 09/07/76         | 10             | 8274            | 4024N                        | 11000E        | 45.8         | 132.4        | FGGG                  |                     |                      | 137                     | 32                     |
| 2594-02332        | 00000/0000                   | 2-20032/0928                | 09/07/76         | 10             | 8274            | 3858N                        | 10930E        | 46.5         | 130.9        | GGGG                  |                     |                      | 137                     | 33                     |
| 2594-02335        | 00000/0000                   | 2-20032/0929                | 09/07/76         | 30             | 8274            | 3732N                        | 10902E        | 47.2         | 129.3        | GGGG                  |                     |                      | 137                     | 34                     |
| 2594-02341        | 00000/0000                   | 2-20032/0930                | 09/07/76         | 30             | 8274            | 3606N                        | 10834E        | 47.9         | 127.7        | GGGG                  |                     |                      | 137                     | 35                     |
| 2594-02344        | 00000/0000                   | 2-20032/0931                | 09/07/76         | 40             | 8274            | 3441N                        | 10808E        | 48.5         | 126.0        | GGGG                  |                     |                      | 137                     | 36                     |
| 2594-02350        | 00000/0000                   | 2-20032/0932                | 09/07/76         | 40             | 8274            | 3315N                        | 10742E        | 49.1         | 124.3        | GGGG                  |                     |                      | 137                     | 37                     |
| 2594-04111        | 00000/0000                   | 2-20032/0982                | 09/07/76         | 10             | 8275            | 5722N                        | 09157E        | 35.2         | 149.5        | FGGG                  |                     |                      | 155                     | 20                     |
| 2594-04114        | 00000/0000                   | 2-20032/0933                | 09/07/76         | 10             | 8275            | 5558N                        | 09105E        | 36.2         | 143.1        | GGGG                  |                     |                      | 155                     | 21                     |
| 2594-04120        | 00000/0000                   | 2-20032/0934                | 09/07/76         | 10             | 8275            | 5433N                        | 09017E        | 37.1         | 146.7        | GGGG                  |                     |                      | 155                     | 22                     |
| 2594-04123        | 00000/0000                   | 2-20032/0935                | 09/07/76         | 0              | 8275            | 5309N                        | 08932E        | 38.1         | 145.4        | GGGG                  |                     |                      | 155                     | 23                     |
| 2594-05534        | 00000/0000                   | 2-20032/0936                | 09/07/76         | 10             | 8276            | 6008N                        | 06803E        | 33.2         | 152.4        | GGGG                  |                     |                      | 173                     | 18                     |
| 2594-05540        | 00000/0000                   | 2-20032/0937                | 09/07/76         | 10             | 8276            | 5845N                        | 06705E        | 34.2         | 151.0        | GGGG                  |                     |                      | 173                     | 19                     |
| 2594-05543        | 00000/0000                   | 2-20032/0938                | 09/07/76         | 10             | 8276            | 5722N                        | 06610E        | 35.2         | 149.5        | GGGG                  |                     |                      | 173                     | 20                     |
| 2594-05545        | 00000/0000                   | 2-20032/0939                | 09/07/76         | 10             | 8276            | 5558N                        | 06519E        | 36.1         | 148.1        | GGGG                  |                     |                      | 173                     | 21                     |
| 2594-05552        | 00000/0000                   | 2-20032/0940                | 09/07/76         | 10             | 8276            | 5433N                        | 06430E        | 37.1         | 146.8        | GGGG                  |                     |                      | 173                     | 22                     |
| 2594-05554        | 00000/0000                   | 2-20032/0941                | 09/07/76         | 10             | 8276            | 5309N                        | 06345E        | 38.1         | 145.4        | GGGG                  |                     |                      | 173                     | 23                     |
| 2594-05561        | 00000/0000                   | 2-20032/0942                | 09/07/76         | 20             | 8276            | 5145N                        | 06302E        | 39.0         | 144.0        | GGGG                  |                     |                      | 173                     | 24                     |
| 2594-05563        | 00000/0000                   | 2-20032/0943                | 09/07/76         | 10             | 8276            | 5020N                        | 06221E        | 39.9         | 142.6        | GGGG                  |                     |                      | 173                     | 25                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 \* % CLOUD COVER,  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NR./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | QUAL<br>MSS | DATA<br>MSS | IMAGE<br>MSS | ORBIT<br>PATH | FRAME<br>ROW |
|-------------------|------------------------------------------------|------------------|-------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|-------------|--------------|---------------|--------------|
|                   |                                                |                  |             |                 |                                    |                                     |              |              | 123               | 45678       | MODE        | GAIN         | NUMBER        | NUMBER       |
| 2594-06002        | 00000/0000                                     | 2-20032/0944     | 09/07/76    | 10              | 8276                               | 3721N                               | 05726E       | 47.2         | 129.3             |             |             |              |               |              |
| 2594-06004        | 00000/0000                                     | 2-20032/0945     | 09/07/76    | 0               | 8276                               | 3605N                               | 05658E       | 47.8         | 127.7             | GGGG        |             |              | 173           | 34           |
| 2594-06011        | 00000/0000                                     | 2-20032/0946     | 09/07/76    | 0               | 8276                               | 3439N                               | 05631E       | 48.5         | 126.0             | GGGG        |             |              | 173           | 35           |
| 2594-06013        | 00000/0000                                     | 2-20032/0947     | 09/07/76    | 0               | 8276                               | 3313N                               | 05605E       | 49.1         | 124.3             | GGGG        |             |              | 173           | 36           |
| 2594-06020        | 00000/0000                                     | 2-20032/0948     | 09/07/76    | 0               | 8276                               | 3147N                               | 05540E       | 49.6         | 122.6             | GGGG        |             |              | 173           | 37           |
| 2594-06022        | 00000/0000                                     | 2-20032/0949     | 09/07/76    | 0               | 8276                               | 3021N                               | 05515E       | 50.2         | 120.8             | GGGG        |             |              | 173           | 38           |
| 2594-06025        | 00000/0000                                     | 2-20032/0950     | 09/07/76    | 10              | 8276                               | 2855N                               | 05451E       | 50.7         | 119.0             | GGGG        |             |              | 173           | 39           |
| 2594-06031        | 00000/0000                                     | 2-20032/0951     | 09/07/76    | 10              | 8276                               | 2729N                               | 05427E       | 51.1         | 117.2             | GGGG        |             |              | 173           | 40           |
| 2594-07363        | 00000/0000                                     | 2-20032/0983     | 09/07/76    | 10              | 8277                               | 6129N                               | 04315E       | 32.1         | 153.9             | GGGG        |             |              | 173           | 41           |
| 2594-07365        | 00000/0000                                     | 2-20032/0984     | 09/07/76    | 10              | 8277                               | 6006N                               | 04211E       | 33.1         | 152.4             | GGGG        |             |              | 191           | 17           |
| 2594-07372        | 00000/0000                                     | 2-20032/0985     | 09/07/76    | 20              | 8277                               | 5844N                               | 04113E       | 34.1         | 151.0             | GGGG        |             |              | 191           | 18           |
| 2594-07374        | 00000/0000                                     | 2-20032/0986     | 09/07/76    | 30              | 8277                               | 5721N                               | 04019E       | 35.1         | 149.6             | GGGG        |             |              | 191           | 19           |
| 2594-07381        | 00000/0000                                     | 2-20032/0987     | 09/07/76    | 70              | 8277                               | 5557N                               | 03928E       | 36.1         | 148.2             | GGGG        |             |              | 191           | 20           |
| 2594-07383        | 00000/0000                                     | 2-20032/0988     | 09/07/76    | 90              | 8277                               | 5433N                               | 03841E       | 37.1         | 146.8             | GGGG        |             |              | 191           | 21           |
| 2594-07390        | 00000/0000                                     | 2-20032/0989     | 09/07/76    | 90              | 8277                               | 5309N                               | 03756E       | 38.0         | 145.4             | GGGG        |             |              | 191           | 22           |
| 2594-07392        | 00000/0000                                     | 2-20032/0990     | 09/07/76    | 90              | 8277                               | 5145N                               | 03713E       | 39.0         | 144.0             | GGGG        |             |              | 191           | 23           |
| 2594-07395        | 00000/0000                                     | 2-20032/0991     | 09/07/76    | 90              | 8277                               | 5020N                               | 03632E       | 39.9         | 142.6             | GGGG        |             |              | 191           | 24           |
| 2594-07401        | 00000/0000                                     | 2-20032/0992     | 09/07/76    | 100             | 8277                               | 4855N                               | 03553E       | 40.8         | 141.3             | GGGG        |             |              | 191           | 25           |
| 2594-07404        | 00000/0000                                     | 2-20032/0993     | 09/07/76    | 90              | 8277                               | 4730N                               | 03517E       | 41.7         | 139.9             | GGGG        |             |              | 191           | 26           |
| 2594-07410        | 00000/0000                                     | 2-20032/0994     | 09/07/76    | 90              | 8277                               | 4604N                               | 03441E       | 42.5         | 138.4             | GGGG        |             |              | 191           | 27           |
| 2594-07413        | 00000/0000                                     | 2-20032/0995     | 09/07/76    | 90              | 8277                               | 4499N                               | 03408E       | 43.4         | 137.0             | GGGG        |             |              | 191           | 28           |
| 2594-13130        | 00000/0000                                     | 2-20032/0996     | 09/07/76    | 50              | 8280                               | 3013S                               | 06257W       | 34.4         | 57.1              | PPFF        |             |              | 245           | 29           |
| 2594-13132        | 00000/0000                                     | 2-20032/0997     | 09/07/76    | 100             | 8280                               | 3138S                               | 06321W       | 33.4         | 56.5              | PPFF        |             |              | 245           | 30           |
| 2594-13141        | 00000/0000                                     | 2-20032/0998     | 09/07/76    | 90              | 8280                               | 3430S                               | 06412W       | 31.3         | 55.6              | FFFF        |             |              | 245           | 31           |
| 2594-14325        | 00000/0000                                     | 2-20032/0912     | 09/07/76    | 90              | 8281                               | 5018N                               | 06643W       | 39.8         | 142.7             | GGGG        |             |              | 12            | 25           |
| 2594-14332        | 00000/0000                                     | 2-20032/0913     | 09/07/76    | 90              | 8281                               | 4853N                               | 06722W       | 40.7         | 141.3             | GGGG        |             |              | 12            | 26           |
| 2594-14373        | 00000/0000                                     | 2-20032/0914     | 09/07/76    | 20              | 8281                               | 3438N                               | 07235W       | 46.4         | 126.2             | GGGG        |             |              | 12            | 27           |
| 2594-14375        | 00000/0000                                     | 2-20032/0915     | 09/07/76    | 30              | 8281                               | 3312N                               | 07300W       | 49.0         | 124.5             | GGGG        |             |              | 12            | 28           |
| 2594-14382        | 00000/0000                                     | 2-20032/0916     | 09/07/76    | 30              | 8281                               | 3146N                               | 07325W       | 49.6         | 122.7             | GGGG        |             |              | 12            | 29           |
| 2594-16234        | 00000/0000                                     | 2-20032/0921     | 09/07/76    | 10              | 8282                               | 2435N                               | 10113W       | 51.8         | 113.6             | GGGG        |             |              | 12            | 30           |
| 2594-16240        | 00000/0000                                     | 2-20032/0922     | 09/07/76    | 10              | 8282                               | 2308N                               | 10136W       | 52.1         | 111.6             | GGGG        |             |              | 30            | 31           |
| 2594-16243        | 00000/0000                                     | 2-20032/0923     | 09/07/76    | 10              | 8282                               | 2141N                               | 10158W       | 52.4         | 109.7             | GGGG        |             |              | 30            | 32           |
| 2594-16245        | 00000/0000                                     | 2-20032/0924     | 09/07/76    | 30              | 8282                               | 2014N                               | 10220W       | 52.6         | 107.7             | GGGG        |             |              | 30            | 33           |
| 2594-16252        | 00000/0000                                     | 2-20032/0925     | 09/07/76    | 10              | 8282                               | 1847N                               | 10242W       | 52.8         | 105.7             | GGGG        |             |              | 30            | 34           |
| 2594-17490        | 2-20033/0151                                   | 00000/0000       | 09/07/76    | 90              | 8283                               | 8042N                               | 05310W       | 13.5         | 215.6             | GGGG        |             |              | 30            | 35           |
| 2594-17493        | 2-20033/0152                                   | 00000/0000       | 09/07/76    | 100             | 8283                               | 8012N                               | 06127W       | 14.6         | 207.4             | GGGG        |             |              | 35            | 247          |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0471

| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2594-17495        | 2-20033/0153                                   | 00000/0000       | 09/07/76       | 90              | 8283                               | 7931N                               | 06848W       | 15.7         | 200.0             | GGG                 |                      | 47                      | 2                      |
| 2594-17502        | 2-20033/0154                                   | 00000/0000       | 09/07/76       | 50              | 8283                               | 7841N                               | 07516W       | 14.9         | 193.5             | FFG                 |                      | 48                      | 3                      |
| 2594-17504        | 2-20033/0155                                   | 00000/0000       | 09/07/76       | 40              | 8283                               | 7745N                               | 08048W       | 18.0         | 187.9             | GGF                 |                      | 48                      | 4                      |
| 2594-17592        | 00000/0000                                     | 2-20032/0926     | 09/07/76       | 70              | 8283                               | 5018N                               | 11823W       | 39.8         | 142.7             | GGG                 | GGGG                 | 48                      | 25                     |
| 2594-19322        | 2-20033/0156                                   | 00000/0000       | 09/07/76       | 90              | 8284                               | 8044N                               | 07817W       | 13.4         | 216.3             | GGG                 |                      | 53                      | 247                    |
| 2594-19324        | 2-20033/0157                                   | 00000/0000       | 09/07/76       | 60              | 8284                               | 8015N                               | 08640W       | 14.5         | 208.0             | GGG                 |                      | 45                      | 1                      |
| 2594-21160        | 00000/0000                                     | 2-20032/1006     | 09/07/76       | 90              | 8285                               | 8015N                               | 11207W       | 14.4         | 208.3             | GGG                 | GGGP                 | 83                      | 1                      |
| 2594-21162        | 00000/0000                                     | 2-20032/1007     | 09/07/76       | 90              | 8285                               | 7936N                               | 11934W       | 15.6         | 200.8             | GGG                 | GGGG                 | 83                      | 2                      |
| 2594-21165        | 00000/0000                                     | 2-20032/1008     | 09/07/76       | 90              | 8285                               | 7847N                               | 12607W       | 16.7         | 194.2             | GGG                 | GGGG                 | 83                      | 3                      |
| 2594-21171        | 00000/0000                                     | 2-20032/1009     | 09/07/76       | 90              | 8285                               | 7751N                               | 13145W       | 17.8         | 188.5             | GGG                 | GGGG                 | 83                      | 4                      |
| 2594-21180        | 00000/0000                                     | 2-20032/1010     | 09/07/76       | 50              | 8285                               | 7544N                               | 14041W       | 20.1         | 179.4             | GGG                 | GGGG                 | 84                      | 6                      |
| 2594-21183        | 00000/0000                                     | 2-20032/1011     | 09/07/76       | 70              | 8285                               | 7435N                               | 14414W       | 21.2         | 175.7             | GGG                 | GGGG                 | 84                      | 7                      |
| 2594-21185        | 00000/0000                                     | 2-20032/1012     | 09/07/76       | 10              | 8285                               | 7323N                               | 14719W       | 22.3         | 172.5             | GGG                 | GGGG                 | 84                      | 8                      |
| 2594-21192        | 00000/0000                                     | 2-20032/1013     | 09/07/76       | 10              | 8285                               | 7210N                               | 15001W       | 23.4         | 169.7             | GGG                 | GGGG                 | 84                      | 9                      |
| 2595-01041        | 00000/0000                                     | 2-20032/0980     | 09/08/76       | 70              | 8287                               | 1008N                               | 12607E       | 52.9         | 93.9              | F GG                |                      | 120                     | 53                     |
| 2595-01043        | 00000/0000                                     | 2-20032/0999     | 09/08/76       | 50              | 8287                               | 0841N                               | 12547E       | 52.7         | 92.0              | FFGG                |                      | 120                     | 54                     |
| 2595-01050        | 00000/0000                                     | 2-20032/0981     | 09/08/76       | 40              | 8287                               | 0715N                               | 12527E       | 52.5         | 90.1              | F GG                |                      | 120                     | 55                     |
| 2595-02381        | 00000/0000                                     | 2-20032/1014     | 09/08/76       | 0               | 8288                               | 4148N                               | 10903E       | 44.7         | 134.3             | G G                 |                      | 138                     | 31                     |
| 2595-02384        | 00000/0000                                     | 2-20032/1015     | 09/08/76       | 0               | 8288                               | 4022N                               | 10833E       | 45.5         | 132.8             | GGGG                |                      | 138                     | 32                     |
| 2595-02390        | 00000/0000                                     | 2-20032/1016     | 09/08/76       | 0               | 8288                               | 3857N                               | 10803E       | 46.2         | 131.3             | GGGG                |                      | 138                     | 33                     |
| 2595-02393        | 00000/0000                                     | 2-20032/1017     | 09/08/76       | 10              | 8288                               | 3731N                               | 10735E       | 46.9         | 129.7             | GGGG                |                      | 138                     | 34                     |
| 2595-02395        | 00000/0000                                     | 2-20032/1018     | 09/08/76       | 90              | 8288                               | 3604N                               | 10707E       | 47.6         | 128.1             | GGGG                |                      | 138                     | 35                     |
| 2595-02402        | 00000/0000                                     | 2-20032/1019     | 09/08/76       | 90              | 8288                               | 3438N                               | 10641E       | 48.3         | 126.4             | GGGG                |                      | 138                     | 36                     |
| 2595-02404        | 00000/0000                                     | 2-20032/1020     | 09/08/76       | 90              | 8288                               | 3313N                               | 10615E       | 48.9         | 124.7             | GGGG                |                      | 138                     | 37                     |
| 2595-05595        | 00000/0000                                     | 2-20032/1021     | 09/08/76       | 0               | 8290                               | 5843N                               | 06537E       | 33.8         | 151.1             | GGGG                |                      | 174                     | 19                     |
| 2595-06001        | 00000/0000                                     | 2-20032/1022     | 09/08/76       | 0               | 8290                               | 5720N                               | 06442E       | 34.8         | 149.7             | GGGG                |                      | 174                     | 20                     |
| 2595-06004        | 00000/0000                                     | 2-20032/1023     | 09/08/76       | 0               | 8290                               | 5556N                               | 06351E       | 35.8         | 148.3             | GGGG                |                      | 174                     | 21                     |
| 2595-06010        | 00000/0000                                     | 2-20032/1024     | 09/08/76       | 10              | 8290                               | 5432N                               | 06302E       | 36.8         | 147.0             | GFGG                |                      | 174                     | 22                     |
| 2595-06013        | 00000/0000                                     | 2-20032/1025     | 09/08/76       | 10              | 8290                               | 5308N                               | 06217E       | 37.7         | 145.6             | GFGG                |                      | 174                     | 23                     |
| 2595-06015        | 00000/0000                                     | 2-20032/1026     | 09/08/76       | 10              | 8290                               | 5143N                               | 06134E       | 38.7         | 144.3             | GGGG                |                      | 174                     | 24                     |
| 2595-06022        | 00000/0000                                     | 2-20032/1027     | 09/08/76       | 0               | 8290                               | 5019N                               | 06054E       | 39.6         | 142.9             | GGGG                |                      | 174                     | 25                     |
| 2595-06060        | 00000/0000                                     | 2-20032/1028     | 09/08/76       | 10              | 8290                               | 3730N                               | 05558E       | 46.9         | 129.7             | GGGG                |                      | 174                     | 34                     |
| 2595-06063        | 00000/0000                                     | 2-20032/1029     | 09/08/76       | 10              | 8290                               | 3604N                               | 05531E       | 47.6         | 128.1             | GGGG                |                      | 174                     | 35                     |
| 2595-06065        | 00000/0000                                     | 2-20032/1030     | 09/08/76       | 0               | 8290                               | 3438N                               | 05505E       | 48.2         | 126.5             | GGGG                |                      | 174                     | 36                     |
| 2595-06072        | 00000/0000                                     | 2-20032/1031     | 09/08/76       | 0               | 8290                               | 3312N                               | 05439E       | 48.9         | 124.8             | GGGG                |                      | 174                     | 37                     |
| 2595-06074        | 00000/0000                                     | 2-20032/1032     | 09/08/76       | 0               | 8290                               | 3146N                               | 05413E       | 49.4         | 123.1             | GGGG                |                      | 174                     | 38                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER,  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NSN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI. NR./<br>POSITION IN RELI<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-------------------------------------------------|------------------|----------------|-----------------|------------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2595-06081        | 00000/0000                                      | 2-20032/1033     | 09/08/76       | 0               | 8290                               | 3020N         | 05348E       | 50.0         | 121.3                 | GGGG                |                      | 174                     | 39                     |
| 2595-06083        | 00000/0000                                      | 2-20032/1034     | 09/08/76       | 0               | 8290                               | 2853N         | 05324E       | 50.5         | 119.5                 | GGGG                |                      | 174                     | 40                     |
| 2595-14390        | 00000/0000                                      | 2-20032/0917     | 09/08/76       | 30              | 8295                               | 4851N         | 06849W       | 40.4         | 141.6                 | GGG                 |                      | 13                      | 26                     |
| 2595-14443        | 00000/0000                                      | 2-20032/0918     | 09/08/76       | 60              | 8295                               | 3017N         | 07516W       | 49.9         | 121.5                 | GGGG                |                      | 13                      | 39                     |
| 2595-14445        | 00000/0000                                      | 2-20032/0919     | 09/08/76       | 10              | 8295                               | 2851N         | 07540W       | 50.4         | 119.7                 | GGGG                |                      | 13                      | 40                     |
| 2595-14452        | 00000/0000                                      | 2-20032/0920     | 09/08/76       | 10              | 8295                               | 2725N         | 07604W       | 50.9         | 117.8                 | GGGG                |                      | 13                      | 41                     |
| 2595-16290        | 00000/0000                                      | 2-20032/1000     | 09/08/76       | 10              | 8296                               | 2559N         | 10217W       | 51.3         | 116.0                 | GGGG                |                      | 31                      | 42                     |
| 2595-16292        | 00000/0000                                      | 2-20032/1001     | 09/08/76       | 10              | 8296                               | 2433N         | 10240W       | 51.7         | 114.1                 | GGGG                |                      | 31                      | 43                     |
| 2595-16295        | 00000/0000                                      | 2-20032/1002     | 09/08/76       | 10              | 8296                               | 2306N         | 10303W       | 52.0         | 112.2                 | GGGG                |                      | 31                      | 44                     |
| 2595-16301        | 00000/0000                                      | 2-20032/1003     | 09/08/76       | 10              | 8296                               | 2139N         | 10325W       | 52.3         | 110.2                 | GGGG                |                      | 31                      | 45                     |
| 2595-16304        | 00000/0000                                      | 2-20032/1004     | 09/08/76       | 40              | 8296                               | 2013N         | 10347W       | 52.6         | 108.3                 | GGGG                |                      | 31                      | 46                     |
| 2595-16310        | 00000/0000                                      | 2-20032/1005     | 09/08/76       | 10              | 8296                               | 1846N         | 10409W       | 52.8         | 106.3                 | GGGG                |                      | 31                      | 47                     |
| 2595-17553        | 2-20033/0158                                    | 00000/0000       | 09/08/76       | 90              | 8297                               | 7935N         | 06927W       | 15.2         | 200.7                 | GGG                 |                      | 48                      | 2                      |
| 2595-17560        | 2-20033/0159                                    | 00000/0000       | 09/08/76       | 90              | 8297                               | 7847N         | 07557W       | 16.4         | 194.2                 | GGG                 |                      | 48                      | 3                      |
| 2595-17562        | 2-20033/0160                                    | 00000/0000       | 09/08/76       | 50              | 8297                               | 7751N         | 08135W       | 17.5         | 188.5                 | GGG                 |                      | 48                      | 4                      |
| 2595-19380        | 2-20033/0161                                    | 00000/0000       | 09/08/76       | 60              | 8298                               | 8042N         | 08012W       | 13.0         | 215.9                 | GGG                 |                      | 54                      | 247                    |
| 2595-19382        | 2-20033/0162                                    | 00000/0000       | 09/08/76       | 90              | 8298                               | 8012N         | 08A32W       | 14.2         | 207.6                 | GGG                 |                      | 66                      | 1                      |
| 2595-21250        | 00000/0000                                      | 2-20032/1035     | 09/08/76       | 90              | 8299                               | 7208N         | 15134W       | 23.0         | 169.7                 | GGGG                |                      | 85                      | 9                      |
| 2596-02440        | 00000/0000                                      | 2-20032/0021     | 09/09/76       | 10              | 8302                               | 4146N         | 10735E       | 44.5         | 134.7                 | GGGG                |                      | 139                     | 31                     |
| 2596-02442        | 00000/0000                                      | 2-20032/0022     | 09/09/76       | 10              | 8302                               | 4020N         | 10706E       | 45.2         | 133.2                 | GGGG                |                      | 139                     | 32                     |
| 2596-02445        | 00000/0000                                      | 2-20032/0023     | 09/09/76       | 10              | 8302                               | 3855N         | 10637E       | 46.0         | 131.6                 | GGGF                |                      | 139                     | 33                     |
| 2596-02451        | 00000/0000                                      | 2-20032/0024     | 09/09/76       | 40              | 8302                               | 3730N         | 10609E       | 46.7         | 130.1                 | GGGG                |                      | 139                     | 34                     |
| 2596-02454        | 00000/0000                                      | 2-20032/0025     | 09/09/76       | 80              | 8302                               | 3604N         | 10542E       | 47.4         | 128.5                 | GGGG                |                      | 139                     | 35                     |
| 2596-04221        | 00000/0000                                      | 2-20032/1036     | 09/09/76       | 10              | 8303                               | 5842N         | 08957E       | 33.5         | 151.3                 | G                   |                      | 157                     | 19                     |
| 2596-04224        | 00000/0000                                      | 2-20032/1037     | 09/09/76       | 10              | 8303                               | 5718N         | 08903E       | 34.5         | 149.9                 | FGGG                |                      | 157                     | 20                     |
| 2596-04230        | 00000/0000                                      | 2-20032/1038     | 09/09/76       | 0               | 8303                               | 5555N         | 08A12E       | 35.5         | 148.5                 | FGGG                |                      | 157                     | 21                     |
| 2596-04233        | 00000/0000                                      | 2-20032/1039     | 09/09/76       | 10              | 8303                               | 5431N         | 08723E       | 36.5         | 147.2                 | FGGG                |                      | 157                     | 22                     |
| 2596-04235        | 00000/0000                                      | 2-20032/1040     | 09/09/76       | 0               | 8303                               | 5306N         | 08638E       | 37.5         | 145.8                 | FGGG                |                      | 157                     | 23                     |
| 2596-04242        | 00000/0000                                      | 2-20032/1041     | 09/09/76       | 10              | 8303                               | 5141N         | 08556E       | 38.4         | 144.5                 | GGGG                |                      | 157                     | 24                     |
| 2596-04244        | 00000/0000                                      | 2-20032/1042     | 09/09/76       | 10              | 8303                               | 5017N         | 08515E       | 39.3         | 143.1                 | FGGG                |                      | 157                     | 25                     |
| 2596-06053        | 00000/0000                                      | 2-20032/1043     | 09/09/76       | 10              | 8304                               | 5842N         | 06410E       | 33.5         | 151.3                 | GGFG                |                      | 175                     | 19                     |
| 2596-06055        | 00000/0000                                      | 2-20032/1044     | 09/09/76       | 10              | 8304                               | 5718N         | 06315E       | 34.5         | 149.9                 | GGGG                |                      | 175                     | 20                     |
| 2596-06062        | 00000/0000                                      | 2-20032/1045     | 09/09/76       | 10              | 8304                               | 5554N         | 06224E       | 35.5         | 148.6                 | GGFG                |                      | 175                     | 21                     |
| 2596-06064        | 00000/0000                                      | 2-20032/0727     | 09/09/76       | 70              | 8304                               | 5430N         | 06136E       | 36.5         | 147.2                 | FFGG                |                      | 175                     | 22                     |
| 2596-06071        | 00000/0000                                      | 2-20032/0728     | 09/09/76       | 90              | 8304                               | 5306N         | 06051E       | 37.4         | 145.8                 | GGGG                |                      | 175                     | 23                     |
| 2596-06073        | 00000/0000                                      | 2-20032/0729     | 09/09/76       | 90              | 8304                               | 5142N         | 06008E       | 38.4         | 144.5                 | GGGG                |                      | 175                     | 24                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|-----------------|------------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2596-06080        | 00000/0000                                     | 2-20032/0730     | 09/09/76              | 90              | 8304                               | 5017N         | 05928E       | 39.3         | 143.1                 | GGGG                |                      | 175                     | 25                     |
| 2596-06141        | 00000/0000                                     | 2-20032/0731     | 09/09/76              | 0               | 8304                               | 2841N         | 05157E       | 50.3         | 120.0                 | GGGG                |                      | 175                     | 40                     |
| 2596-07482        | 00000/0000                                     | 2-20032/0732     | 09/09/76              | 70              | 8305                               | 6004N         | 03918E       | 32.5         | 152.8                 | GGGG                |                      | 193                     | 18                     |
| 2596-07484        | 00000/0000                                     | 2-20032/0733     | 09/09/76              | 40              | 8305                               | 5841N         | 03820E       | 33.5         | 151.3                 | GGGG                |                      | 193                     | 19                     |
| 2596-07491        | 00000/0000                                     | 2-20032/0734     | 09/09/76              | 40              | 8305                               | 5718N         | 03726E       | 34.5         | 149.9                 | GGGG                |                      | 193                     | 20                     |
| 2596-07493        | 00000/0000                                     | 2-20032/0735     | 09/09/76              | 30              | 8305                               | 5554N         | 03635E       | 35.5         | 148.6                 | GGGG                |                      | 193                     | 21                     |
| 2596-07500        | 00000/0000                                     | 2-20032/0736     | 09/09/76              | 20              | 8305                               | 5430N         | 03546E       | 36.5         | 147.2                 | GGGG                |                      | 193                     | 22                     |
| 2596-07502        | 00000/0000                                     | 2-20032/0737     | 09/09/76              | 40              | 8305                               | 5306N         | 03501E       | 37.4         | 145.9                 | GGGG                |                      | 193                     | 23                     |
| 2596-07505        | 00000/0000                                     | 2-20032/0738     | 09/09/76              | 10              | 8305                               | 5142N         | 03419E       | 38.4         | 144.5                 | GGGG                |                      | 193                     | 24                     |
| 2596-07511        | 00000/0000                                     | 2-20032/0739     | 09/09/76              | 10              | 8305                               | 5017N         | 03338E       | 39.3         | 143.2                 | GGG                 |                      | 193                     | 25                     |
| 2596-07514        | 00000/0000                                     | 2-20032/0740     | 09/09/76              | 10              | 8305                               | 4852N         | 03259E       | 40.2         | 141.8                 | GGGG                |                      | 193                     | 26                     |
| 2596-07520        | 00000/0000                                     | 2-20032/0741     | 09/09/76              | 10              | 8305                               | 4727N         | 03222E       | 41.1         | 140.4                 | GGGG                |                      | 193                     | 27                     |
| 2596-07523        | 00000/0000                                     | 2-20032/0742     | 09/09/76              | 10              | 8305                               | 4602N         | 03147E       | 41.9         | 139.0                 | FFFF                |                      | 193                     | 28                     |
| 2596-14444        | 00000/0000                                     | 2-20032/0858     | 09/09/76              | 0               | 8309                               | 4854N         | 07017W       | 40.1         | 141.5                 | GGGG                |                      | 14                      | 26                     |
| 2596-14512        | 00000/0000                                     | 2-20032/0859     | 09/09/76              | 20              | 8309                               | 2601N         | 07754W       | 51.1         | 116.6                 | GGGG                |                      | 14                      | 42                     |
| 2596-14515        | 00000/0000                                     | 2-20032/0860     | 09/09/76              | 10              | 8309                               | 2435N         | 07816W       | 51.5         | 114.7                 | GGGG                |                      | 14                      | 43                     |
| 2596-16273        | 00000/0000                                     | 2-20032/1056     | 09/09/76              | 10              | 8310                               | 5019N         | 09524W       | 39.1         | 143.3                 | GGGG                |                      | 32                      | 25                     |
| 2596-16344        | 00000/0000                                     | 2-20032/1057     | 09/09/76              | 20              | 8310                               | 2601N         | 10342W       | 51.1         | 116.6                 | GGGG                |                      | 32                      | 42                     |
| 2596-16350        | 00000/0000                                     | 2-20032/1058     | 09/09/76              | 10              | 8310                               | 2435N         | 10405W       | 51.5         | 114.7                 | PPPP                |                      | 32                      | 43                     |
| 2596-16353        | 00000/0000                                     | 2-20032/1059     | 09/09/76              | 10              | 8310                               | 2309N         | 10427W       | 51.9         | 112.8                 | GGGG                |                      | 32                      | 44                     |
| 2596-16355        | 00000/0000                                     | 2-20032/1060     | 09/09/76              | 10              | 8310                               | 2141N         | 10450W       | 52.2         | 110.9                 | GGGG                |                      | 32                      | 45                     |
| 2596-16362        | 00000/0000                                     | 2-20032/1061     | 09/09/76              | 40              | 8310                               | 2015N         | 10512W       | 52.5         | 108.9                 | PPPP                |                      | 32                      | 46                     |
| 2596-16364        | 00000/0000                                     | 2-20032/1062     | 09/09/76              | 20              | 8310                               | 1848N         | 10534W       | 52.7         | 107.0                 | GGGG                |                      | 32                      | 47                     |
| 2596-18014        | 2-20033/0260                                   | 00000/0000       | 09/09/76              | 40              | 8311                               | 7844N         | 07755W       | 16.1         | 193.9                 | GGG                 |                      | 49                      | 3                      |
| 2596-18021        | 2-20033/0261                                   | 00000/0000       | 09/09/76              | 30              | 8311                               | 7748N         | 08330W       | 17.2         | 188.3                 | GGG                 |                      | 50                      | 4                      |
| 2596-18034        | 00000/0000                                     | 2-20032/1223     | 09/09/76              | 40              | 8311                               | 5720N         | 11729W       | 34.3         | 150.1                 | GGGG                |                      | 50                      | 20                     |
| 2596-18091        | 00000/0000                                     | 2-20032/1224     | 09/09/76              | 60              | 8311                               | 5556N         | 11820W       | 35.3         | 148.7                 | GGGG                |                      | 50                      | 21                     |
| 2596-18093        | 00000/0000                                     | 2-20032/1225     | 09/09/76              | 70              | 8311                               | 5432N         | 11907W       | 36.3         | 147.3                 | GGGG                |                      | 50                      | 22                     |
| 2596-18100        | 00000/0000                                     | 2-20032/1226     | 09/09/76              | 30              | 8311                               | 5308N         | 11952W       | 37.3         | 146.0                 | GGGG                |                      | 50                      | 23                     |
| 2596-18102        | 00000/0000                                     | 2-20032/1227     | 09/09/76              | 0               | 8311                               | 5144N         | 12034W       | 38.2         | 144.6                 | GGGG                |                      | 50                      | 24                     |
| 2596-18105        | 00000/0000                                     | 2-20032/1228     | 09/09/76              | 0               | 8311                               | 5019N         | 12115W       | 39.1         | 143.3                 | GGGG                |                      | 50                      | 25                     |
| 2596-19434        | 2-20033/0262                                   | 00000/0000       | 09/09/76              | 10              | 8312                               | 8044N         | 08130W       | 12.6         | 216.1                 | GGG                 |                      | 55                      | 247                    |
| 2596-19441        | 2-20033/0263                                   | 00000/0000       | 09/09/76              | 30              | 8312                               | 8014N         | 08949W       | 13.8         | 207.8                 | GGG                 |                      | 67                      | 1                      |
| 2596-21304        | 00000/0000                                     | 2-20032/1063     | 09/09/76              | 90              | 8313                               | 7206N         | 15259W       | 22.7         | 169.8                 | GGGG                |                      | 86                      | 9                      |
| 2596-23451        | 00000/0000                                     | 2-20032/1743     | 09/09/76              | 40              | 8314                               | 3431S         | 13800E       | 32.1         | 356.2                 | FGGG                |                      | 104                     | 84                     |
| 2597-01042        | 00000/0000                                     | 2-20032/1046     | 09/10/76              | 10              | 8315                               | 4851N         | 13448E       | 40.0         | 142.0                 | FGGG                |                      | 122                     | 26                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANHSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|---------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2597-01044        | 00000/0000                                     | 2-20032/1047     | 09/10/76       | 10              | 8315                               | 4726N         | 13411E       | 40.9         | 140.6             | GGGG                |                      | 122                     | 27                     |
| 2597-01051        | 00000/0000                                     | 2-20032/1048     | 09/10/76       | 10              | 8315                               | 4601N         | 13336E       | 41.7         | 139.3             | GGGG                |                      | 122                     | 28                     |
| 2597-01135        | 00000/0000                                     | 2-20032/1049     | 09/10/76       | 50              | 8315                               | 1552N         | 12437E       | 52.9         | 103.1             | GGGG                |                      | 122                     | 49                     |
| 2597-01142        | 00000/0000                                     | 2-20032/1050     | 09/10/76       | 20              | 8315                               | 1425N         | 12417E       | 53.0         | 101.1             | GGGG                |                      | 122                     | 50                     |
| 2597-01144        | 00000/0000                                     | 2-20032/1051     | 09/10/76       | 20              | 8315                               | 1259N         | 12356E       | 53.0         | 99.1              | GGGG                |                      | 122                     | 51                     |
| 2597-01151        | 00000/0000                                     | 2-20032/1052     | 09/10/76       | 70              | 8315                               | 1132N         | 12335E       | 53.0         | 97.1              | GGGG                |                      | 122                     | 52                     |
| 2597-01153        | 00000/0000                                     | 2-20032/1053     | 09/10/76       | 50              | 8315                               | 1006N         | 12315E       | 52.9         | 95.2              | GGGG                |                      | 122                     | 53                     |
| 2597-01160        | 00000/0000                                     | 2-20032/1054     | 09/10/76       | 40              | 8315                               | 0839N         | 12254E       | 52.8         | 93.2              | FFGG                |                      | 122                     | 54                     |
| 2597-01162        | 00000/0000                                     | 2-20032/1055     | 09/10/76       | 30              | 8315                               | 0712N         | 12234E       | 52.6         | 91.3              | GGGG                |                      | 122                     | 55                     |
| 2597-04305        | 00000/0000                                     | 2-20032/1064     | 09/10/76       | 30              | 8317                               | 4853N         | 08313E       | 39.9         | 142.1             | GGGG                |                      | 158                     | 26                     |
| 2597-04350        | 00000/0000                                     | 2-20032/1065     | 09/10/76       | 0               | 8317                               | 3438N         | 07A01E       | 47.8         | 127.4             | GGGG                |                      | 158                     | 36                     |
| 2597-04352        | 00000/0000                                     | 2-20032/1066     | 09/10/76       | 0               | 8317                               | 3312N         | 07735E       | 48.4         | 125.7             | GGGG                |                      | 158                     | 37                     |
| 2597-06120        | 00000/0000                                     | 2-20032/1067     | 09/10/76       | 100             | 8318                               | 5556N         | 06059E       | 35.1         | 148.8             | FFFG                |                      | 176                     | 21                     |
| 2597-06123        | 00000/0000                                     | 2-20032/1068     | 09/10/76       | 100             | 8318                               | 5432N         | 06012E       | 36.1         | 147.5             | GFFF                |                      | 176                     | 22                     |
| 2597-06125        | 00000/0000                                     | 2-20032/1069     | 09/10/76       | 90              | 8318                               | 5308N         | 05926E       | 37.1         | 146.1             | FGFG                |                      | 176                     | 23                     |
| 2597-06175        | 00000/0000                                     | 2-20032/1070     | 09/10/76       | 50              | 8318                               | 3604N         | 05239E       | 47.1         | 129.0             | GGGG                |                      | 176                     | 35                     |
| 2597-06182        | 00000/0000                                     | 2-20032/1071     | 09/10/76       | 0               | 8318                               | 3438N         | 05213E       | 47.8         | 127.4             | GGFG                |                      | 176                     | 36                     |
| 2597-06184        | 00000/0000                                     | 2-20032/1072     | 09/10/76       | 0               | 8318                               | 3312N         | 05147E       | 48.4         | 125.8             | GGGF                |                      | 176                     | 37                     |
| 2597-06191        | 00000/0000                                     | 2-20032/1073     | 09/10/76       | 0               | 8318                               | 3146N         | 05121E       | 49.0         | 124.1             | GGGG                |                      | 176                     | 38                     |
| 2597-06193        | 00000/0000                                     | 2-20032/1074     | 09/10/76       | 0               | 8318                               | 3019N         | 05056E       | 49.6         | 122.3             | GGGG                |                      | 176                     | 39                     |
| 2597-06200        | 00000/0000                                     | 2-20032/1075     | 09/10/76       | 0               | 8318                               | 2853N         | 05032E       | 50.1         | 120.6             | GFFF                |                      | 176                     | 40                     |
| 2597-07534        | 00000/0000                                     | 2-20032/1076     | 09/10/76       | 30              | 8319                               | 6129N         | 03A59E       | 31.1         | 154.4             | GGGG                |                      | 194                     | 17                     |
| 2597-07540        | 00000/0000                                     | 2-20032/1077     | 09/10/76       | 20              | 8319                               | 6006N         | 03756E       | 32.1         | 153.0             | GFFF                |                      | 194                     | 18                     |
| 2597-07543        | 00000/0000                                     | 2-20032/1078     | 09/10/76       | 10              | 8319                               | 5843N         | 03656E       | 33.1         | 151.6             | GGGG                |                      | 194                     | 19                     |
| 2597-07545        | 00000/0000                                     | 2-20032/1079     | 09/10/76       | 30              | 8319                               | 5719N         | 03601E       | 34.1         | 150.2             | GGGG                |                      | 194                     | 20                     |
| 2597-07552        | 00000/0000                                     | 2-20032/1080     | 09/10/76       | 40              | 8319                               | 5556N         | 03510E       | 35.1         | 148.8             | GFGF                |                      | 194                     | 21                     |
| 2597-07554        | 00000/0000                                     | 2-20032/1081     | 09/10/76       | 10              | 8319                               | 5432N         | 03422E       | 36.1         | 147.5             | GGGG                |                      | 194                     | 22                     |
| 2597-07561        | 00000/0000                                     | 2-20032/1082     | 09/10/76       | 10              | 8319                               | 5307N         | 03337E       | 37.1         | 146.1             | GFGG                |                      | 194                     | 23                     |
| 2597-07563        | 00000/0000                                     | 2-20032/1083     | 09/10/76       | 10              | 8319                               | 5143N         | 03254E       | 38.0         | 144.8             | FFGG                |                      | 194                     | 24                     |
| 2597-07570        | 00000/0000                                     | 2-20032/1084     | 09/10/76       | 30              | 8319                               | 5018N         | 03213E       | 38.9         | 143.5             | GGGG                |                      | 194                     | 25                     |
| 2597-07572        | 00000/0000                                     | 2-20032/1085     | 09/10/76       | 10              | 8319                               | 4854N         | 03134E       | 39.9         | 142.1             | GGGG                |                      | 194                     | 26                     |
| 2597-07575        | 00000/0000                                     | 2-20032/1086     | 09/10/76       | 10              | 8319                               | 4728N         | 03057E       | 40.3         | 140.8             | GGGG                |                      | 194                     | 27                     |
| 2597-07581        | 00000/0000                                     | 2-20032/1087     | 09/10/76       | 20              | 8319                               | 4603N         | 03021E       | 41.6         | 139.4             | GFFF                |                      | 194                     | 28                     |
| 2597-07584        | 00000/0000                                     | 2-20032/1088     | 09/10/76       | 40              | 8319                               | 4437N         | 02948E       | 42.5         | 138.0             | GGGF                |                      | 194                     | 29                     |
| 2597-16323        | 00000/0000                                     | 2-20032/1128     | 09/10/76       | 20              | 8324                               | 5307N         | 09528W       | 37.0         | 146.2             | G                   |                      | 33                      | 23                     |
| 2597-16332        | 00000/0000                                     | 2-20032/1129     | 09/10/76       | 10              | 8324                               | 5017N         | 09651W       | 38.8         | 143.5             | FGGG                |                      | 33                      | 25                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | LONG  | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2597-16402        | 00000/0000                                     | 2-20032/1130     | 09/10/76       | 50              | 8324                               | 2559N | 10508W       | 51.0         | 117.1                              | GGGG                |                      | 33                      | 42                     |
| 2597-16405        | 00000/0000                                     | 2-20032/1131     | 09/10/76       | 30              | 8324                               | 2433N | 10532W       | 51.4         | 115.3                              | GGGG                |                      | 33                      | 43                     |
| 2597-16411        | 00000/0000                                     | 2-20032/1132     | 09/10/76       | 10              | 8324                               | 2306N | 10554W       | 51.8         | 113.4                              | GGGG                |                      | 33                      | 44                     |
| 2597-16414        | 00000/0000                                     | 2-20032/1133     | 09/10/76       | 30              | 8324                               | 2139N | 10616W       | 52.1         | 111.5                              | GGGG                |                      | 33                      | 45                     |
| 2597-16420        | 00000/0000                                     | 2-20032/1134     | 09/10/76       | 90              | 8324                               | 2012N | 10638W       | 52.4         | 109.5                              | GGGG                |                      | 33                      | 46                     |
| 2597-18070        | 2-20033/0242                                   | 00000/0000       | 09/10/76       | 60              | 8325                               | 7934N | 07243W       | 14.5         | 200.6                              | GGG                 |                      | 50                      | 2                      |
| 2597-18072        | 2-20033/0243                                   | 00000/0000       | 09/10/76       | 50              | 8325                               | 7844N | 07913W       | 15.7         | 194.1                              | GGG                 |                      | 50                      | 3                      |
| 2597-18075        | 2-20033/0244                                   | 00000/0000       | 09/10/76       | 50              | 8325                               | 7748N | 08446W       | 16.8         | 188.5                              | GGG                 |                      | 51                      | 4                      |
| 2597-18152        | 00000/0000                                     | 2-20032/1229     | 09/10/76       | 90              | 8325                               | 5430N | 12034W       | 36.0         | 147.5                              | GGFF                |                      | 51                      | 22                     |
| 2597-18154        | 00000/0000                                     | 2-20032/1230     | 09/10/76       | 90              | 8325                               | 5306N | 12118W       | 36.9         | 146.2                              | GGGF                |                      | 51                      | 23                     |
| 2597-18161        | 00000/0000                                     | 2-20032/1231     | 09/10/76       | 90              | 8325                               | 5142N | 12201W       | 37.9         | 144.9                              | GGFG                |                      | 51                      | 24                     |
| 2597-18163        | 00000/0000                                     | 2-20032/1232     | 09/10/76       | 30              | 8325                               | 5017N | 12242W       | 38.8         | 143.6                              | GGFG                |                      | 51                      | 25                     |
| 2597-23503        | 00000/0000                                     | 2-20032/1135     | 09/10/76       | 30              | 8328                               | 3303S | 13659E       | 33.5         | 56.9                               | F                   |                      | 105                     | 83                     |
| 2598-01194        | 00000/0000                                     | 2-20032/1136     | 09/11/76       | 80              | 8329                               | 1554N | 12212E       | 52.9         | 103.8                              | FG G                |                      | 123                     | 49                     |
| 2598-01200        | 00000/0000                                     | 2-20032/1137     | 09/11/76       | 20              | 8329                               | 1427N | 12251E       | 53.0         | 101.8                              | FFFF                |                      | 123                     | 50                     |
| 2598-01203        | 00000/0000                                     | 2-20032/1138     | 09/11/76       | 30              | 8329                               | 1301N | 12230E       | 53.0         | 99.8                               | GGGG                |                      | 123                     | 51                     |
| 2598-01205        | 00000/0000                                     | 2-20032/1139     | 09/11/76       | 40              | 8329                               | 1134N | 12210E       | 53.0         | 97.8                               | GGGG                |                      | 123                     | 52                     |
| 2598-01212        | 00000/0000                                     | 2-20032/1140     | 09/11/76       | 20              | 8329                               | 1007N | 12149E       | 52.9         | 95.8                               | GGGG                |                      | 123                     | 53                     |
| 2598-01214        | 00000/0000                                     | 2-20032/1141     | 09/11/76       | 30              | 8329                               | 0841N | 12129E       | 52.8         | 93.9                               | GGGG                |                      | 123                     | 54                     |
| 2598-01221        | 00000/0000                                     | 2-20032/1142     | 09/11/76       | 70              | 8329                               | 0714N | 12108E       | 52.7         | 91.9                               | GGGG                |                      | 123                     | 55                     |
| 2598-04363        | 00000/0000                                     | 2-20032/1160     | 09/11/76       | 90              | 8331                               | 4852N | 08143E       | 39.6         | 142.4                              | FFGG                |                      | 159                     | 26                     |
| 2598-04381        | 00000/0000                                     | 2-20032/1143     | 09/11/76       | 90              | 8331                               | 4311N | 07925E       | 43.1         | 136.9                              | GGG                 |                      | 159                     | 30                     |
| 2598-04384        | 00000/0000                                     | 2-20032/1144     | 09/11/76       | 80              | 8331                               | 4146N | 07853E       | 43.9         | 135.4                              | GGGG                |                      | 159                     | 31                     |
| 2598-04390        | 00000/0000                                     | 2-20032/1145     | 09/11/76       | 20              | 8331                               | 4020N | 07823E       | 44.7         | 134.0                              | GGGG                |                      | 159                     | 32                     |
| 2598-04393        | 00000/0000                                     | 2-20032/1146     | 09/11/76       | 10              | 8331                               | 3853N | 07754E       | 45.5         | 132.5                              | GGGG                |                      | 159                     | 33                     |
| 2598-04395        | 00000/0000                                     | 2-20032/1147     | 09/11/76       | 0               | 8331                               | 3727N | 07725E       | 46.2         | 131.0                              | GGGG                |                      | 159                     | 34                     |
| 2598-04402        | 00000/0000                                     | 2-20032/1148     | 09/11/76       | 0               | 8331                               | 3602N | 07658E       | 46.9         | 129.4                              | GGGG                |                      | 159                     | 35                     |
| 2598-04404        | 00000/0000                                     | 2-20032/1149     | 09/11/76       | 0               | 8331                               | 3435N | 07632E       | 47.6         | 127.8                              | GGGG                |                      | 159                     | 36                     |
| 2598-04411        | 00000/0000                                     | 2-20032/1150     | 09/11/76       | 10              | 8331                               | 3309N | 07606E       | 48.2         | 126.2                              | GGGG                |                      | 159                     | 37                     |
| 2598-04413        | 00000/0000                                     | 2-20032/1151     | 09/11/76       | 10              | 8331                               | 3143N | 07541E       | 48.8         | 124.5                              | GGGG                |                      | 159                     | 38                     |
| 2598-06165        | 00000/0000                                     | 2-20032/1152     | 09/11/76       | 100             | 8332                               | 5841N | 06116E       | 32.8         | 151.7                              | GGGG                |                      | 177                     | 19                     |
| 2598-06172        | 00000/0000                                     | 2-20032/1153     | 09/11/76       | 70              | 8332                               | 5718N | 06022E       | 33.8         | 150.3                              | GGGG                |                      | 177                     | 20                     |
| 2598-06174        | 00000/0000                                     | 2-20032/1154     | 09/11/76       | 80              | 8332                               | 5554N | 05931E       | 34.8         | 149.0                              | GGGG                |                      | 177                     | 21                     |
| 2598-06181        | 00000/0000                                     | 2-20032/1155     | 09/11/76       | 90              | 8332                               | 5430N | 05843E       | 35.8         | 147.7                              | GGGG                |                      | 177                     | 22                     |
| 2598-06183        | 00000/0000                                     | 2-20032/1156     | 09/11/76       | 90              | 8332                               | 5305N | 05758E       | 36.8         | 146.3                              | GGGG                |                      | 177                     | 23                     |
| 2598-06190        | 00000/0000                                     | 2-20032/1157     | 09/11/76       | 30              | 8332                               | 5140N | 05716E       | 37.7         | 145.0                              | GGGG                |                      | 177                     | 24                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=IRW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>REV MSS | MSS<br>DATA MODE | MSS<br>IMAGE GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|--------------|--------------|-----------------------|------------------|-------------------|-------------------------|------------------------|
| 2598-06192        | 00000/0000 2-20032/1158                        | 09/11/76         | 10             | 8332            | 5016N                              | 05635E       | 38.7 143.7   | GGGG                  |                  |                   | 177                     | 25                     |
| 2598-06254        | 00000/0000 2-20032/1159                        | 09/11/76         | 10             | 8332            | 2851N                              | 04905E       | 49.9 121.1   | GGGF                  |                  |                   | 177                     | 40                     |
| 2598-07592        | 00000/0000 2-20032/1161                        | 09/11/76         | 80             | 8333            | 6127N                              | 03729E       | 30.7 154.6   | FGGG                  |                  |                   | 195                     | 17                     |
| 2598-07594        | 00000/0000 2-20032/1162                        | 09/11/76         | 70             | 8333            | 6005N                              | 03626E       | 31.8 153.1   | GGGG                  |                  |                   | 195                     | 18                     |
| 2598-08001        | 00000/0000 2-20032/1163                        | 09/11/76         | 60             | 8333            | 5842N                              | 03527E       | 32.8 151.7   | GGGG                  |                  |                   | 195                     | 19                     |
| 2598-08003        | 00000/0000 2-20032/1164                        | 09/11/76         | 80             | 8333            | 5718N                              | 03433E       | 33.8 150.4   | GGGG                  |                  |                   | 195                     | 20                     |
| 2598-08010        | 00000/0000 2-20032/1165                        | 09/11/76         | 90             | 8333            | 5554N                              | 03342E       | 34.8 149.0   | GGGF                  |                  |                   | 195                     | 21                     |
| 2598-08012        | 00000/0000 2-20032/1166                        | 09/11/76         | 90             | 8333            | 5430N                              | 03254E       | 35.8 147.7   | GGGG                  |                  |                   | 195                     | 22                     |
| 2598-08015        | 00000/0000 2-20032/1167                        | 09/11/76         | 80             | 8333            | 5306N                              | 03209E       | 36.8 146.4   | GFFG                  |                  |                   | 195                     | 23                     |
| 2598-08021        | 00000/0000 2-20032/1168                        | 09/11/76         | 30             | 8333            | 5141N                              | 03126E       | 37.7 145.0   | GGGG                  |                  |                   | 195                     | 24                     |
| 2598-08024        | 00000/0000 2-20032/1169                        | 09/11/76         | 30             | 8333            | 5016N                              | 03045E       | 38.6 143.7   | FGGG                  |                  |                   | 195                     | 25                     |
| 2598-08030        | 00000/0000 2-20032/1170                        | 09/11/76         | 10             | 8333            | 4851N                              | 03006E       | 39.6 142.4   | GGGG                  |                  |                   | 195                     | 26                     |
| 2598-08033        | 00000/0000 2-20032/1171                        | 09/11/76         | 10             | 8333            | 4726N                              | 02929E       | 40.5 141.0   | GGGG                  |                  |                   | 195                     | 27                     |
| 2598-08035        | 00000/0000 2-20032/1172                        | 09/11/76         | 10             | 8333            | 4601N                              | 02854E       | 41.3 139.7   | GGGG                  |                  |                   | 195                     | 28                     |
| 2598-08042        | 00000/0000 2-20032/1173                        | 09/11/76         | 30             | 8333            | 4436N                              | 02821E       | 42.2 138.3   | GGGG                  |                  |                   | 195                     | 29                     |
| 2598-08044        | 00000/0000 2-20032/1174                        | 09/11/76         | 20             | 8333            | 4310N                              | 02749E       | 43.0 136.9   | GFGG                  |                  |                   | 195                     | 30                     |
| 2598-14561        | 00000/0000 2-20032/1217                        | 09/11/76         | 70             | 8337            | 4853N                              | 07306W       | 39.5 142.5   | GGGG                  |                  |                   | 16                      | 26                     |
| 2598-16383        | 00000/0000 2-20032/0846                        | 09/11/76         | 0              | 8338            | 5143N                              | 09737W       | 37.6 145.2   | GGPF                  |                  |                   | 34                      | 24                     |
| 2598-16390        | 00000/0000 2-20032/0847                        | 09/11/76         | 0              | 8338            | 5018N                              | 09818W       | 38.5 143.8   | GGFF                  |                  |                   | 34                      | 25                     |
| 2598-16454        | 00000/0000 2-20032/0848                        | 09/11/76         | 10             | 8338            | 2726N                              | 10611W       | 50.3 119.6   | GGGG                  |                  |                   | 34                      | 41                     |
| 2598-16460        | 00000/0000 2-20032/0849                        | 09/11/76         | 10             | 8338            | 2600N                              | 10634W       | 50.8 117.7   | FFFF                  |                  |                   | 34                      | 42                     |
| 2598-16463        | 00000/0000 2-20032/0850                        | 09/11/76         | 10             | 8338            | 2433N                              | 10657W       | 51.2 115.9   | GGGG                  |                  |                   | 34                      | 43                     |
| 2598-16465        | 00000/0000 2-20032/0851                        | 09/11/76         | 10             | 8338            | 2307N                              | 10720W       | 51.6 114.0   | GGGG                  |                  |                   | 34                      | 44                     |
| 2598-16472        | 00000/0000 2-20032/0852                        | 09/11/76         | 10             | 8338            | 2141N                              | 10742W       | 51.9 112.1   | GGGG                  |                  |                   | 34                      | 45                     |
| 2598-16474        | 00000/0000 2-20032/0853                        | 09/11/76         | 20             | 8338            | 2014N                              | 10804W       | 52.2 110.2   | GGGG                  |                  |                   | 34                      | 46                     |
| 2598-18124        | 2-20033/0245 00000/0000                        | 09/11/76         | 40             | 8339            | 7934N                              | 07403W       | 14.1 200.7   | GGG                   |                  |                   | 51                      | 2                      |
| 2598-18130        | 2-20033/0246 00000/0000                        | 09/11/76         | 70             | 8339            | 7846N                              | 08034W       | 15.2 194.2   | GGG                   |                  |                   | 51                      | 3                      |
| 2598-18201        | 00000/0000 2-20032/1244                        | 09/11/76         | 60             | 8339            | 5719N                              | 12019W       | 33.6 150.5   | GGGG                  |                  |                   | 52                      | 20                     |
| 2598-18203        | 00000/0000 2-20032/1245                        | 09/11/76         | 80             | 8339            | 5555N                              | 12111W       | 34.6 149.1   | GGGG                  |                  |                   | 52                      | 21                     |
| 2598-18210        | 00000/0000 2-20032/1246                        | 09/11/76         | 50             | 8339            | 5431N                              | 12159W       | 35.6 147.8   | GGGG                  |                  |                   | 52                      | 22                     |
| 2598-18212        | 00000/0000 2-20032/1247                        | 09/11/76         | 80             | 8339            | 5307N                              | 12244W       | 36.6 146.5   | GGGG                  |                  |                   | 52                      | 23                     |
| 2598-18215        | 00000/0000 2-20032/1248                        | 09/11/76         | 50             | 8339            | 5142N                              | 12327W       | 37.5 145.2   | GGGG                  |                  |                   | 52                      | 24                     |
| 2598-18221        | 00000/0000 2-20032/1249                        | 09/11/76         | 40             | 8339            | 5018N                              | 12407W       | 38.5 143.9   | GGGG                  |                  |                   | 52                      | 25                     |
| 2598-23561        | 00000/0000 2-20032/1175                        | 09/11/76         | 20             | 8342            | 3305S                              | 13535E       | 33.8 57.2    | GGGG                  |                  |                   | 106                     | 89                     |
| 2599-01154        | 00000/0000 2-20032/1176                        | 09/12/76         | 10             | 8343            | 4850N                              | 13157E       | 39.3 142.6   | GFGG                  |                  |                   | 124                     | 26                     |
| 2599-01161        | 00000/0000 2-20032/1177                        | 09/12/76         | 10             | 8343            | 4726N                              | 13121E       | 40.3 141.2   | GGGG                  |                  |                   | 124                     | 27                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>R9V | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2599-01163        | 00000/0000                   | 2-20032/1178                | 09/12/76         | 10             | 8343            | 4600N                        | 13045E        | 41.1         | 139.9        | GGGG                               |                     |                      | 124                     | 28                     |
| 2599-01170        | 00000/0000                   | 2-20032/1179                | 09/12/76         | 10             | 8343            | 4434N                        | 13012E        | 42.0         | 138.5        | FGGG                               |                     |                      | 124                     | 29                     |
| 2599-01172        | 00000/0000                   | 2-20032/1180                | 09/12/76         | 20             | 8343            | 4309N                        | 12939E        | 42.8         | 137.1        | GGGG                               |                     |                      | 124                     | 30                     |
| 2599-01175        | 00000/0000                   | 2-20032/1181                | 09/12/76         | 90             | 8343            | 4144N                        | 12908E        | 43.7         | 135.7        | FGGG                               |                     |                      | 124                     | 31                     |
| 2599-01252        | 00000/0000                   | 2-20032/1182                | 09/12/76         | 90             | 8343            | 1552N                        | 12146E        | 52.8         | 104.4        | GGGG                               |                     |                      | 124                     | 49                     |
| 2599-01254        | 00000/0000                   | 2-20032/1183                | 09/12/76         | 90             | 8343            | 1426N                        | 12125E        | 52.9         | 102.4        | FGGG                               |                     |                      | 124                     | 50                     |
| 2599-02572        | 00000/0000                   | 2-20032/1250                | 09/12/76         | 100            | 8344            | 5428N                        | 10854E        | 35.5         | 147.0        | GGGG                               |                     |                      | 142                     | 22                     |
| 2599-04431        | 00000/0000                   | 2-20032/1089                | 09/12/76         | 20             | 8345            | 4559N                        | 07906E        | 41.1         | 139.9        | GGGG                               |                     |                      | 160                     | 28                     |
| 2599-04445        | 00000/0000                   | 2-20032/1090                | 09/12/76         | 50             | 8345            | 4017N                        | 07659E        | 44.4         | 134.3        | GGGG                               |                     |                      | 160                     | 32                     |
| 2599-04451        | 00000/0000                   | 2-20032/1091                | 09/12/76         | 60             | 8345            | 3852N                        | 07630E        | 45.2         | 132.8        | GGGG                               |                     |                      | 160                     | 33                     |
| 2599-04454        | 00000/0000                   | 2-20032/1092                | 09/12/76         | 60             | 8345            | 3726N                        | 07601E        | 45.9         | 131.3        | GGGG                               |                     |                      | 160                     | 34                     |
| 2599-04460        | 00000/0000                   | 2-20032/1093                | 09/12/76         | 70             | 8345            | 3600N                        | 07534E        | 46.7         | 129.8        | FGGG                               |                     |                      | 160                     | 35                     |
| 2599-04463        | 00000/0000                   | 2-20032/1094                | 09/12/76         | 40             | 8345            | 3434N                        | 07507E        | 47.3         | 128.2        | GGGG                               |                     |                      | 160                     | 36                     |
| 2599-04465        | 00000/0000                   | 2-20032/1095                | 09/12/76         | 20             | 8345            | 3307N                        | 07441E        | 48.0         | 126.6        | GGGG                               |                     |                      | 160                     | 37                     |
| 2599-08053        | 00000/0000                   | 2-20032/1096                | 09/12/76         | 50             | 8347            | 6002N                        | 03500E        | 31.4         | 153.3        | GGGG                               |                     |                      | 196                     | 18                     |
| 2599-08071        | 00000/0000                   | 2-20032/1097                | 09/12/76         | 50             | 8347            | 5428N                        | 03127E        | 35.5         | 147.9        | GGGG                               |                     |                      | 196                     | 22                     |
| 2599-08073        | 00000/0000                   | 2-20032/1098                | 09/12/76         | 60             | 8347            | 5304N                        | 03042E        | 36.4         | 146.6        | GGGG                               |                     |                      | 196                     | 23                     |
| 2599-08080        | 00000/0000                   | 2-20032/1099                | 09/12/76         | 90             | 8347            | 5139N                        | 03000E        | 37.4         | 145.3        | GGGG                               |                     |                      | 196                     | 24                     |
| 2599-08082        | 00000/0000                   | 2-20032/1100                | 09/12/76         | 70             | 8347            | 5014N                        | 02919E        | 38.3         | 144.0        | GGGG                               |                     |                      | 196                     | 25                     |
| 2599-08085        | 00000/0000                   | 2-20032/1101                | 09/12/76         | 30             | 8347            | 4849N                        | 02840E        | 39.3         | 142.6        | GGGG                               |                     |                      | 196                     | 26                     |
| 2599-08091        | 00000/0000                   | 2-20032/1102                | 09/12/76         | 10             | 8347            | 4724N                        | 02803E        | 40.2         | 141.3        | GGGG                               |                     |                      | 196                     | 27                     |
| 2599-08094        | 00000/0000                   | 2-20032/1103                | 09/12/76         | 10             | 8347            | 4559N                        | 02728E        | 41.1         | 140.0        | PPPP                               |                     |                      | 196                     | 28                     |
| 2599-08100        | 00000/0000                   | 2-20032/1104                | 09/12/76         | 10             | 8347            | 4433N                        | 02654E        | 41.9         | 138.6        | GGGG                               |                     |                      | 196                     | 29                     |
| 2599-08103        | 00000/0000                   | 2-20032/1105                | 09/12/76         | 10             | 8347            | 4308N                        | 02622E        | 42.8         | 137.2        | GGGG                               |                     |                      | 196                     | 30                     |
| 2599-13293        | 2-20033/0247                 | 00000/0000                  | 09/12/76         | 30             | 8350            | 1128N                        | 06000W        | 53.0         | 98.7         | GGG                                |                     |                      | 250                     | 52                     |
| 2599-13295        | 2-20033/0248                 | 00000/0000                  | 09/12/76         | 40             | 8350            | 1001N                        | 06021W        | 52.9         | 96.7         | GGG                                |                     |                      | 250                     | 53                     |
| 2599-13302        | 2-20033/0249                 | 00000/0000                  | 09/12/76         | 70             | 8350            | 0835N                        | 06041W        | 52.9         | 94.7         | G                                  |                     |                      | 250                     | 54                     |
| 2599-13304        | 2-20033/0250                 | 00000/0000                  | 09/12/76         | 50             | 8350            | 0708N                        | 06101W        | 52.7         | 92.8         | GGG                                |                     |                      | 250                     | 55                     |
| 2599-13311        | 2-20033/0251                 | 00000/0000                  | 09/12/76         | 40             | 8350            | 0541N                        | 06121W        | 52.5         | 90.9         | GGG                                |                     |                      | 250                     | 56                     |
| 2599-15013        | 00000/0000                   | 2-20032/1215                | 09/12/76         | 70             | 8351            | 5016N                        | 07356W        | 38.2         | 144.1        | FGGG                               |                     |                      | 17                      | 25                     |
| 2599-15015        | 00000/0000                   | 2-20032/1216                | 09/12/76         | 60             | 8351            | 4851N                        | 07434W        | 39.2         | 142.7        | FGGG                               |                     |                      | 17                      | 26                     |
| 2599-16424        | 00000/0000                   | 2-20032/1233                | 09/12/76         | 40             | 8352            | 5717N                        | 09559W        | 33.3         | 150.6        | GGGG                               |                     |                      | 35                      | 20                     |
| 2599-16430        | 00000/0000                   | 2-20032/1234                | 09/12/76         | 80             | 8352            | 5553N                        | 09650W        | 34.3         | 149.3        | GGGG                               |                     |                      | 35                      | 21                     |
| 2599-16433        | 00000/0000                   | 2-20032/1235                | 09/12/76         | 90             | 8352            | 5429N                        | 09738W        | 35.3         | 148.0        | GGGG                               |                     |                      | 35                      | 22                     |
| 2599-16435        | 00000/0000                   | 2-20032/1236                | 09/12/76         | 100            | 8352            | 5305N                        | 09823W        | 36.3         | 146.7        | GGGG                               |                     |                      | 35                      | 23                     |
| 2599-16442        | 00000/0000                   | 2-20032/1237                | 09/12/76         | 100            | 8352            | 5140N                        | 09906W        | 37.3         | 145.4        | GGGG                               |                     |                      | 35                      | 24                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>R&V | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>R&V MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>R&V<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2599-16444        | 00000/0000                   | 2-20032/1238                | 09/12/76         | 80             | 8352            | 5015N                        | 09946W        | 38.2         | 144.1        | GGGG                               |                     |                      | 35                      | 25                     |
| 2599-16512        | 00000/0000                   | 2-20032/1239                | 09/12/76         | 10             | 8352            | 2724N                        | 10738W        | 50.2         | 120.0        | GGGF                               |                     |                      | 35                      | 41                     |
| 2599-16515        | 00000/0000                   | 2-20032/1240                | 09/12/76         | 10             | 8352            | 2559N                        | 10801W        | 50.6         | 118.2        | FGGG                               |                     |                      | 35                      | 42                     |
| 2599-16521        | 00000/0000                   | 2-20032/1241                | 09/12/76         | 0              | 8352            | 2432N                        | 10824W        | 51.1         | 116.4        | FGGF                               |                     |                      | 35                      | 43                     |
| 2599-16524        | 00000/0000                   | 2-20032/1242                | 09/12/76         | 0              | 8352            | 2305N                        | 10847W        | 51.5         | 114.5        | GGGF                               |                     |                      | 35                      | 44                     |
| 2599-16530        | 00000/0000                   | 2-20032/1243                | 09/12/76         | 0              | 8352            | 2138N                        | 10909W        | 51.8         | 112.6        | GGGF                               |                     |                      | 35                      | 45                     |
| 2599-18173        | 2-20033/0252                 | 00000/0000                  | 09/12/76         | 10             | 8353            | 8043N                        | 06018W        | 11.5         | 215.9        | GGG                                |                     |                      | 40                      | 247                    |
| 2599-18180        | 2-20033/0253                 | 00000/0000                  | 09/12/76         | 0              | 8353            | 8012N                        | 06836W        | 12.7         | 207.7        | GGG                                |                     |                      | 82                      | 1                      |
| 2599-18182        | 2-20033/0254                 | 00000/0000                  | 09/12/76         | 10             | 8353            | 7931N                        | 07559W        | 13.8         | 200.3        | GGG                                |                     |                      | 52                      | 2                      |
| 2599-18185        | 2-20033/0255                 | 00000/0000                  | 09/12/76         | 10             | 8353            | 7842N                        | 08225W        | 14.9         | 193.9        | GGG                                |                     |                      | 53                      | 3                      |
| 2599-20020        | 00000/0000                   | 2-20032/1274                | 09/12/76         | 10             | 8354            | 7844N                        | 10759W        | 14.9         | 194.1        | GGGG                               |                     |                      | 70                      | 3                      |
| 2599-20023        | 00000/0000                   | 2-20032/1275                | 09/12/76         | 10             | 8354            | 7747N                        | 11335W        | 16.0         | 188.5        | GGGG                               |                     |                      | 71                      | 4                      |
| 2599-20025        | 00000/0000                   | 2-20032/1276                | 09/12/76         | 10             | 8354            | 7645N                        | 11821W        | 17.1         | 183.7        | GGGG                               |                     |                      | 71                      | 5                      |
| 2599-20032        | 00000/0000                   | 2-20032/1277                | 09/12/76         | 0              | 8354            | 7539N                        | 12224W        | 18.3         | 179.6        | GGGG                               |                     |                      | 71                      | 6                      |
| 2599-20034        | 00000/0000                   | 2-20032/1278                | 09/12/76         | 0              | 8354            | 7430N                        | 12554W        | 19.4         | 176.0        | GGGG                               |                     |                      | 71                      | 7                      |
| 2599-20041        | 00000/0000                   | 2-20032/1279                | 09/12/76         | 60             | 8354            | 7318N                        | 12856W        | 20.5         | 172.8        | GGGG                               |                     |                      | 71                      | 8                      |
| 2599-20043        | 00000/0000                   | 2-20032/1280                | 09/12/76         | 80             | 8354            | 7203N                        | 13134W        | 21.6         | 170.0        | GGGG                               |                     |                      | 71                      | 9                      |
| 2599-20050        | 00000/0000                   | 2-20032/1281                | 09/12/76         | 50             | 8354            | 7047N                        | 13354W        | 22.7         | 167.5        | GGGG                               |                     |                      | 71                      | 10                     |
| 2599-20052        | 00000/0000                   | 2-20032/1282                | 09/12/76         | 10             | 8354            | 6930N                        | 13557W        | 23.8         | 165.2        | GGGG                               |                     |                      | 71                      | 11                     |
| 2600-01310        | 00000/0000                   | 2-20032/1106                | 09/13/76         | 60             | 8357            | 1553N                        | 12019E        | 52.7         | 105.1        | GGGG                               |                     |                      | 125                     | 49                     |
| 2600-01313        | 00000/0000                   | 2-20032/1107                | 09/13/76         | 90             | 8357            | 1427N                        | 11958E        | 52.9         | 103.1        | GGFG                               |                     |                      | 125                     | 50                     |
| 2600-01315        | 00000/0000                   | 2-20032/1108                | 09/13/76         | 90             | 8357            | 1259N                        | 11937E        | 52.9         | 101.1        | GFGG                               |                     |                      | 125                     | 51                     |
| 2600-03021        | 00000/0000                   | 2-20032/1109                | 09/13/76         | 90             | 8358            | 5716N                        | 10906E        | 33.2         | 150.7        | GFGG                               |                     |                      | 143                     | 20                     |
| 2600-03024        | 00000/0000                   | 2-20032/1110                | 09/13/76         | 90             | 8358            | 5553N                        | 10815E        | 34.2         | 149.4        | GGGG                               |                     |                      | 143                     | 21                     |
| 2600-03030        | 00000/0000                   | 2-20032/1111                | 09/13/76         | 70             | 8358            | 5429N                        | 10728E        | 35.2         | 148.1        | GGGG                               |                     |                      | 143                     | 22                     |
| 2600-04455        | 00000/0000                   | 2-20032/1193                | 09/13/76         | 30             | 8359            | 5553N                        | 08225E        | 34.2         | 149.4        | G G                                |                     |                      | 161                     | 21                     |
| 2600-04462        | 00000/0000                   | 2-20032/1194                | 09/13/76         | 50             | 8359            | 5429N                        | 08137E        | 35.2         | 148.1        | GGG                                |                     |                      | 161                     | 22                     |
| 2600-04464        | 00000/0000                   | 2-20032/1192                | 09/13/76         | 70             | 8359            | 5305N                        | 08052E        | 36.1         | 146.8        | G GG                               |                     |                      | 161                     | 23                     |
| 2600-04471        | 00000/0000                   | 2-20032/1195                | 09/13/76         | 90             | 8359            | 5141N                        | 08009E        | 37.1         | 145.5        | GGGG                               |                     |                      | 161                     | 24                     |
| 2600-04473        | 00000/0000                   | 2-20032/1196                | 09/13/76         | 90             | 8359            | 5016N                        | 07928E        | 38.0         | 144.2        | GGGG                               |                     |                      | 161                     | 25                     |
| 2600-04494        | 00000/0000                   | 2-20032/1197                | 09/13/76         | 80             | 8359            | 4309N                        | 07632E        | 42.5         | 137.6        | GGGG                               |                     |                      | 161                     | 30                     |
| 2600-04514        | 00000/0000                   | 2-20032/1198                | 09/13/76         | 60             | 8359            | 3600N                        | 07406E        | 46.4         | 130.3        | GGGG                               |                     |                      | 161                     | 35                     |
| 2600-04521        | 00000/0000                   | 2-20032/1199                | 09/13/76         | 30             | 8359            | 3435N                        | 07339E        | 47.1         | 128.7        | GGGG                               |                     |                      | 161                     | 36                     |
| 2600-04523        | 00000/0000                   | 2-20032/1200                | 09/13/76         | 10             | 8359            | 3308N                        | 07314E        | 47.8         | 127.1        | GGGG                               |                     |                      | 161                     | 37                     |
| 2600-04530        | 00000/0000                   | 2-20032/1201                | 09/13/76         | 10             | 8359            | 3142N                        | 07249E        | 48.4         | 125.5        | GGGG                               |                     |                      | 161                     | 38                     |
| 2600-04532        | 00000/0000                   | 2-20032/1202                | 09/13/76         | 0              | 8359            | 3017N                        | 07224E        | 49.0         | 123.8        | GFGG                               |                     |                      | 161                     | 39                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |    |
|-------------------|------------------------------------------------|------------------|----------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|----|
| 2600-04535        | 00000/0000 2-20032/1203                        | 09/13/76         | 0              | 8359         | 2850N        | 07200E            | 49.6                | 122.1                | GFGB                    | 161                    | 40 |
| 2600-04541        | 00000/0000 2-20032/1204                        | 09/13/76         | 40             | 8359         | 2724N        | 07136E            | 50.1                | 120.3                | FGGB                    | 161                    | 41 |
| 2600-04544        | 00000/0000 2-20032/1205                        | 09/13/76         | 10             | 8359         | 2558N        | 07113E            | 50.6                | 118.5                | FGGB                    | 161                    | 42 |
| 2600-06282        | 00000/0000 2-20032/1206                        | 09/13/76         | 90             | 8360         | 5840N        | 05823E            | 32.1                | 152.1                | GGGB                    | 179                    | 19 |
| 2600-06284        | 00000/0000 2-20032/1207                        | 09/13/76         | 80             | 8360         | 5716N        | 05729E            | 33.1                | 150.8                | GGGB                    | 179                    | 20 |
| 2600-06291        | 00000/0000 2-20032/1208                        | 09/13/76         | 40             | 8360         | 5553N        | 05638E            | 34.1                | 149.4                | GGGB                    | 179                    | 21 |
| 2600-06293        | 00000/0000 2-20032/1209                        | 09/13/76         | 50             | 8360         | 5429N        | 05550E            | 35.1                | 148.1                | GGGB                    | 179                    | 22 |
| 2600-06300        | 00000/0000 2-20032/1210                        | 09/13/76         | 80             | 8360         | 5304N        | 05504E            | 36.1                | 146.8                | GGGB                    | 179                    | 23 |
| 2600-06334        | 00000/0000 2-20032/1211                        | 09/13/76         | 30             | 8360         | 4017N        | 04943E            | 44.1                | 134.8                | GGGB                    | 179                    | 32 |
| 2600-06341        | 00000/0000 2-20032/1212                        | 09/13/76         | 90             | 8360         | 3851N        | 04914E            | 44.9                | 133.3                | GGGB                    | 179                    | 33 |
| 2600-06343        | 00000/0000 2-20032/1213                        | 09/13/76         | 70             | 8360         | 3726N        | 04846E            | 45.7                | 131.8                | GGGB                    | 179                    | 34 |
| 2600-06350        | 00000/0000 2-20032/1214                        | 09/13/76         | 20             | 8360         | 3600N        | 04819E            | 46.4                | 130.3                | GGGB                    | 179                    | 35 |
| 2600-06355        | 00000/0000 2-20032/1309                        | 09/13/76         | 0              | 8360         | 3309N        | 04726E            | 47.7                | 127.1                | GGGB                    | 179                    | 37 |
| 2600-06361        | 00000/0000 2-20032/1310                        | 09/13/76         | 0              | 8360         | 3143N        | 04700E            | 48.4                | 125.5                | GGGB                    | 179                    | 38 |
| 2600-08111        | 00000/0000 2-20032/1311                        | 09/13/76         | 70             | 8361         | 6003N        | 03335E            | 31.1                | 153.5                | GGGB                    | 197                    | 18 |
| 2600-08113        | 00000/0000 2-20032/1312                        | 09/13/76         | 70             | 8361         | 5840N        | 03237E            | 32.1                | 152.1                | GGGB                    | 197                    | 19 |
| 2600-08120        | 00000/0000 2-20032/1313                        | 09/13/76         | 60             | 8361         | 5717N        | 03142E            | 33.1                | 150.8                | FGGB                    | 197                    | 20 |
| 2600-08122        | 00000/0000 2-20032/1314                        | 09/13/76         | 10             | 8361         | 5553N        | 03051E            | 34.1                | 149.4                | GGGB                    | 197                    | 21 |
| 2600-08125        | 00000/0000 2-20032/1315                        | 09/13/76         | 10             | 8361         | 5429N        | 03002E            | 35.1                | 148.1                | GGGB                    | 197                    | 22 |
| 2600-08131        | 00000/0000 2-20032/1316                        | 09/13/76         | 40             | 8361         | 5304N        | 02917E            | 36.1                | 146.8                | GGGB                    | 197                    | 23 |
| 2600-08134        | 00000/0000 2-20032/1317                        | 09/13/76         | 60             | 8361         | 5140N        | 02834E            | 37.1                | 145.5                | GGGB                    | 197                    | 24 |
| 2600-08140        | 00000/0000 2-20032/1318                        | 09/13/76         | 10             | 8361         | 5015N        | 02753E            | 38.0                | 144.3                | GGGB                    | 197                    | 25 |
| 2600-08143        | 00000/0000 2-20032/1319                        | 09/13/76         | 10             | 8361         | 4850N        | 02715E            | 38.9                | 143.0                | GGGB                    | 197                    | 26 |
| 2600-08145        | 00000/0000 2-20032/1320                        | 09/13/76         | 10             | 8361         | 4725N        | 02638E            | 39.9                | 141.6                | GGGB                    | 197                    | 27 |
| 2600-08152        | 00000/0000 2-20032/1321                        | 09/13/76         | 10             | 8361         | 4600N        | 02603E            | 40.7                | 140.3                | GGGB                    | 197                    | 28 |
| 2600-08154        | 00000/0000 2-20032/1322                        | 09/13/76         | 10             | 8361         | 4435N        | 02530E            | 41.6                | 139.0                | FGGB                    | 197                    | 29 |
| 2600-08161        | 00000/0000 2-20032/1323                        | 09/13/76         | 10             | 8361         | 4310N        | 02457E            | 42.5                | 137.6                | FGGB                    | 197                    | 30 |
| 2600-13351        | 2-20033/0254 00000/0000                        | 09/13/76         | 30             | 8364         | 1123N        | 06127W            | 53.0                | 99.2                 | GGG                     | 251                    | 52 |
| 2600-13353        | 2-20033/0257 00000/0000                        | 09/13/76         | 50             | 8364         | 0955N        | 06147W            | 52.9                | 97.2                 | GGG                     | 251                    | 53 |
| 2600-13360        | 2-20033/0258 00000/0000                        | 09/13/76         | 60             | 8364         | 0828N        | 06207W            | 52.9                | 95.3                 | GGG                     | 251                    | 54 |
| 2600-13365        | 2-20033/0259 00000/0000                        | 09/13/76         | 10             | 8364         | 0596N        | 06248W            | 52.6                | 91.4                 | GGG                     | 251                    | 55 |
| 2600-15062        | 00000/0000 2-20032/1251                        | 09/13/76         | 90             | 8365         | 5303N        | 07400W            | 36.0                | 146.9                | GGGB                    | 18                     | 23 |
| 2600-15064        | 00000/0000 2-20032/1252                        | 09/13/76         | 90             | 8365         | 5138N        | 07443W            | 37.0                | 145.6                | FGGB                    | 18                     | 24 |
| 2600-15071        | 00000/0000 2-20032/1253                        | 09/13/76         | 90             | 8365         | 5014N        | 07523W            | 37.9                | 144.3                | FGGB                    | 18                     | 25 |
| 2600-16493        | 00000/0000 2-20032/1184                        | 09/13/76         | 80             | 8366         | 5303N        | 09949W            | 36.0                | 146.9                | GGGB                    | 36                     | 23 |
| 2600-16500        | 00000/0000 2-20032/1185                        | 09/13/76         | 90             | 8366         | 5138N        | 10031W            | 37.0                | 145.6                | GGGB                    | 36                     | 24 |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI. NO.<br>POSITION IN RELI<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA | MSS<br>IMAGE<br>MODE | MSS<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|----------------------|-------------|-------------------------|------------------------|
| 2600-16502        | 00000/0000                                     | 2-20032/1186     | 09/13/76    | 90              | 8366                               | 5014N                               | 10111W       | 37.9         | 144.3             | GGGG        |                      |             |                         |                        |
| 2600-16570        | 00000/0000                                     | 2-20032/1187     | 09/13/76    | 0               | 8366                               | 2723N                               | 10904W       | 50.0         | 120.5             | GGGG        |                      |             | 36                      | 25                     |
| 2600-16573        | 00000/0000                                     | 2-20032/1188     | 09/13/76    | 10              | 8366                               | 2556N                               | 10927W       | 50.5         | 118.7             | FFGG        |                      |             | 36                      | 41                     |
| 2600-16575        | 00000/0000                                     | 2-20032/1189     | 09/13/76    | 10              | 8366                               | 2430N                               | 10950W       | 50.9         | 116.9             | GGGG        |                      |             | 36                      | 42                     |
| 2600-16582        | 00000/0000                                     | 2-20032/1190     | 09/13/76    | 10              | 8366                               | 2303N                               | 11012W       | 51.3         | 115.1             | FFGG        |                      |             | 36                      | 43                     |
| 2600-16584        | 00000/0000                                     | 2-20032/1191     | 09/13/76    | 10              | 8366                               | 2137N                               | 11034W       | 51.7         | 113.2             | FFGG        |                      |             | 36                      | 44                     |
| 2600-18241        | 2-20033/0264                                   | 00000/0000       | 09/13/76    | 10              | 8367                               | 7932N                               | 07715W       | 13.4         | 200.5             | GGG         |                      |             | 36                      | 45                     |
| 2600-18243        | 2-20033/0265                                   | 00000/0000       | 09/13/76    | 0               | 8367                               | 7843N                               | 08343W       | 14.5         | 194.0             | GGG         |                      |             | 53                      | 2                      |
| 2600-06352        | 00000/0000                                     | 2-20034/0269     | 09/13/76    | 0               | 8360                               | 3434N                               | 04752E       | 47.1         | 128.7             | GGGG        |                      |             | 54                      | 3                      |
| 2600-20093        | 00000/0000                                     | 2-20034/0265     | 09/13/76    | 30              | 8368                               | 7478N                               | 12727W       | 19.0         | 176.0             | GGGG        |                      |             | 179                     | 36                     |
| 2600-20095        | 00000/0000                                     | 2-20034/0266     | 09/13/76    | 70              | 8368                               | 7316N                               | 13027W       | 20.1         | 172.8             | GGGG        |                      |             | 72                      | 7                      |
| 2600-20102        | 00000/0000                                     | 2-20034/0267     | 09/13/76    | 10              | 8368                               | 7202N                               | 13305W       | 21.3         | 170.0             | GGGG        |                      |             | 72                      | 8                      |
| 2600-20104        | 00000/0000                                     | 2-20034/0268     | 09/13/76    | 50              | 8368                               | 7045N                               | 13525W       | 22.4         | 167.6             | GGGG        |                      |             | 72                      | 9                      |
| 2601-01271        | 00000/0000                                     | 2-20034/0270     | 09/14/76    | 20              | 8371                               | 4849N                               | 12902E       | 38.7         | 143.1             | FFGG        |                      |             | 72                      | 10                     |
| 2601-01273        | 00000/0000                                     | 2-20034/0271     | 09/14/76    | 90              | 8371                               | 4724N                               | 12825E       | 39.6         | 141.8             | GGGG        |                      |             | 126                     | 26                     |
| 2601-01280        | 00000/0000                                     | 2-20034/0272     | 09/14/76    | 100             | 8371                               | 4559N                               | 12750E       | 40.5         | 140.5             | GGGG        |                      |             | 126                     | 27                     |
| 2601-01282        | 00000/0000                                     | 2-20034/0273     | 09/14/76    | 100             | 8371                               | 4433N                               | 12716E       | 41.4         | 139.2             | GGGG        |                      |             | 126                     | 28                     |
| 2601-01285        | 00000/0000                                     | 2-20034/0274     | 09/14/76    | 90              | 8371                               | 4308N                               | 12644E       | 42.3         | 137.8             | GGGG        |                      |             | 126                     | 29                     |
| 2601-01291        | 00000/0000                                     | 2-20034/0275     | 09/14/76    | 90              | 8371                               | 4143N                               | 12613E       | 43.1         | 136.4             | GGGG        |                      |             | 126                     | 30                     |
| 2601-01294        | 00000/0000                                     | 2-20034/0276     | 09/14/76    | 70              | 8371                               | 4017N                               | 12543E       | 43.9         | 135.0             | GGGG        |                      |             | 126                     | 31                     |
| 2601-03075        | 00000/0000                                     | 2-20034/0277     | 09/14/76    | 70              | 8372                               | 5714N                               | 10740E       | 32.9         | 150.9             | GGGG        |                      |             | 126                     | 32                     |
| 2601-03082        | 00000/0000                                     | 2-20034/0278     | 09/14/76    | 60              | 8372                               | 5551N                               | 10649E       | 33.9         | 149.6             | GGGG        |                      |             | 144                     | 20                     |
| 2601-03084        | 00000/0000                                     | 2-20034/0279     | 09/14/76    | 40              | 8372                               | 5427N                               | 10601E       | 34.9         | 148.3             | GGGG        |                      |             | 144                     | 21                     |
| 2601-03091        | 00000/0000                                     | 2-20034/0280     | 09/14/76    | 20              | 8372                               | 5303N                               | 10516E       | 35.8         | 147.0             | GGGG        |                      |             | 144                     | 22                     |
| 2601-04570        | 00000/0000                                     | 2-20032/1256     | 09/14/76    | 10              | 8373                               | 3724N                               | 07307E       | 45.4         | 132.2             | GGGG        |                      |             | 144                     | 23                     |
| 2601-04573        | 00000/0000                                     | 2-20032/1257     | 09/14/76    | 30              | 8373                               | 3558N                               | 07240E       | 46.2         | 130.6             | GGGG        |                      |             | 162                     | 34                     |
| 2601-04575        | 00000/0000                                     | 2-20032/1258     | 09/14/76    | 20              | 8373                               | 3432N                               | 07213E       | 46.9         | 129.1             | FFGG        |                      |             | 162                     | 35                     |
| 2601-04582        | 00000/0000                                     | 2-20032/1259     | 09/14/76    | 20              | 8373                               | 3306N                               | 07147E       | 47.5         | 127.5             | GGGG        |                      |             | 162                     | 36                     |
| 2601-04584        | 00000/0000                                     | 2-20032/1260     | 09/14/76    | 10              | 8373                               | 3140N                               | 07122E       | 48.2         | 125.9             | FFGG        |                      |             | 162                     | 37                     |
| 2601-04591        | 00000/0000                                     | 2-20032/1261     | 09/14/76    | 10              | 8373                               | 3014N                               | 07057E       | 48.8         | 124.2             | GGGG        |                      |             | 162                     | 38                     |
| 2601-04593        | 00000/0000                                     | 2-20032/1262     | 09/14/76    | 10              | 8373                               | 2848N                               | 07032E       | 49.4         | 122.5             | GGGG        |                      |             | 162                     | 39                     |
| 2601-05000        | 00000/0300                                     | 2-20032/1263     | 09/14/76    | 10              | 8373                               | 2721N                               | 07009E       | 49.9         | 120.8             | GGGG        |                      |             | 162                     | 40                     |
| 2601-05002        | 00000/0300                                     | 2-20032/1112     | 09/14/76    | 70              | 8373                               | 2555N                               | 06945E       | 50.4         | 119.0             | GGGG        |                      |             | 162                     | 41                     |
| 2601-05005        | 00000/0000                                     | 2-20032/1113     | 09/14/76    | 40              | 8373                               | 2429N                               | 06922E       | 50.9         | 117.2             | GGGG        |                      |             | 162                     | 42                     |
| 2601-06345        | 00000/0000                                     | 2-20032/1114     | 09/14/76    | 10              | 8374                               | 5550N                               | 05510E       | 33.8         | 149.6             | GGGG        |                      |             | 180                     | 43                     |
| 2601-06390        | 00000/0000                                     | 2-20032/1115     | 09/14/76    | 90              | 8374                               | 4141N                               | 04846E       | 43.1         | 136.5             | GGGG        |                      |             | 180                     | 21                     |
|                   |                                                |                  |             |                 |                                    |                                     |              |              |                   |             |                      |             | 180                     | 31                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROL<br>POSITION IN ROL<br>RBV | NO.<br>MSS   | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-----------------------------------------|--------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|-------------------|-------------|----------------------|-------------------------|------------------------|
| 2601-06404        | 00000/0000                              | 2-20032/1116 | 09/14/76         | 20             | 8374            | 3558N 04652E                            | 46.2         | 130.7        | GGGG              |             |                      | 180                     | 35                     |
| 2601-06411        | 00000/0000                              | 2-20032/1117 | 09/14/76         | 0              | 8374            | 3433N 04625E                            | 46.9         | 129.1        | GGGG              |             |                      | 180                     | 36                     |
| 2601-06413        | 00000/0000                              | 2-20032/1118 | 09/14/76         | 0              | 8374            | 3307N 04559E                            | 47.5         | 127.5        | GGGG              |             |                      | 180                     | 37                     |
| 2601-08181        | 00000/0000                              | 2-20032/1119 | 09/14/76         | 30             | 8375            | 5550N 02922E                            | 33.8         | 149.6        | GGGG              |             |                      | 198                     | 21                     |
| 2601-08183        | 00000/0000                              | 2-20032/1120 | 09/14/76         | 20             | 8375            | 5426N 02834E                            | 34.8         | 148.3        | GGFF              |             |                      | 198                     | 22                     |
| 2601-08190        | 00000/0000                              | 2-20032/1121 | 09/14/76         | 30             | 8375            | 5301N 02748E                            | 35.8         | 147.1        | GGGG              |             |                      | 198                     | 23                     |
| 2601-08192        | 00000/0000                              | 2-20032/1122 | 09/14/76         | 20             | 8375            | 5137N 02706E                            | 36.8         | 145.8        | GGGG              |             |                      | 198                     | 24                     |
| 2601-08195        | 00000/0000                              | 2-20032/1123 | 09/14/76         | 0              | 8375            | 5012N 02625E                            | 37.7         | 144.5        | GGGG              |             |                      | 198                     | 25                     |
| 2601-08201        | 00000/0000                              | 2-20032/1124 | 09/14/76         | 10             | 8375            | 4847N 02546E                            | 38.6         | 143.2        | GGGG              |             |                      | 198                     | 26                     |
| 2601-08204        | 00000/0000                              | 2-20032/1125 | 09/14/76         | 10             | 8375            | 4722N 02510E                            | 39.6         | 141.9        | GGGG              |             |                      | 198                     | 27                     |
| 2601-08210        | 00000/0000                              | 2-20032/1126 | 09/14/76         | 10             | 8375            | 4557N 02435E                            | 40.5         | 140.6        | GGGG              |             |                      | 198                     | 28                     |
| 2601-12121        | 00000/0000                              | 2-20032/1127 | 09/14/76         | 60             | 8377            | 3846S 04950W                            | 30.6         | 56.0         | GGFF              |             |                      | 234                     | 87                     |
| 2601-13412        | 2-20033/0182                            | 00000/0000   | 09/14/76         | 60             | 8378            | 1000N 06312W                            | 52.9         | 98.0         | GGG               |             |                      | 1                       | 53                     |
| 2601-13414        | 2-20033/0183                            | 00000/0000   | 09/14/76         | 60             | 8378            | 0833N 06333W                            | 52.9         | 96.0         | GGG               |             |                      | 1                       | 54                     |
| 2601-13421        | 2-20033/0184                            | 00000/0000   | 09/14/76         | 50             | 8378            | 0707N 06354W                            | 52.8         | 94.1         | GGG               |             |                      | 1                       | 55                     |
| 2601-13423        | 2-20033/0185                            | 00000/0000   | 09/14/76         | 50             | 8378            | 0540N 06414W                            | 52.6         | 92.1         | GGG               |             |                      | 1                       | 56                     |
| 2601-15123        | 00000/0000                              | 2-20032/1254 | 09/14/76         | 70             | 8379            | 5121N 07619W                            | 36.9         | 145.6        | GGGG              |             |                      | 19                      | 24                     |
| 2601-15130        | 00000/0000                              | 2-20032/1255 | 09/14/76         | 100            | 8379            | 4955N 07659W                            | 37.8         | 144.3        | GGGG              |             |                      | 19                      | 25                     |
| 2601-16554        | 00000/0000                              | 2-20032/1284 | 09/14/76         | 10             | 8380            | 5139N 10157W                            | 36.6         | 145.9        | GGGG              |             |                      | 37                      | 24                     |
| 2601-16561        | 00000/0000                              | 2-20032/1285 | 09/14/76         | 0              | 8380            | 5015N 10238W                            | 37.6         | 144.6        | GGGG              |             |                      | 37                      | 25                     |
| 2601-17022        | 00000/0000                              | 2-20032/1286 | 09/14/76         | 10             | 8380            | 2851N 11006W                            | 49.3         | 122.8        | FGGG              |             |                      | 37                      | 40                     |
| 2601-17025        | 00000/0000                              | 2-20032/1287 | 09/14/76         | 10             | 8380            | 2724N 11029W                            | 49.8         | 121.1        | GGGG              |             |                      | 37                      | 41                     |
| 2601-17031        | 00000/0000                              | 2-20032/1288 | 09/14/76         | 20             | 8380            | 2557N 11052W                            | 50.3         | 119.3        | GGGG              |             |                      | 37                      | 42                     |
| 2601-17034        | 00000/0000                              | 2-20032/1289 | 09/14/76         | 20             | 8380            | 2430N 11115W                            | 50.8         | 117.5        | GGGG              |             |                      | 37                      | 43                     |
| 2601-17040        | 00000/0000                              | 2-20032/1290 | 09/14/76         | 30             | 8380            | 2304N 11138W                            | 51.2         | 115.7        | GGGG              |             |                      | 37                      | 44                     |
| 2601-17043        | 00000/0000                              | 2-20032/1291 | 09/14/76         | 30             | 8380            | 2138N 11201W                            | 51.6         | 113.8        | GGGG              |             |                      | 37                      | 45                     |
| 2601-17045        | 00000/0000                              | 2-20032/1292 | 09/14/76         | 50             | 8380            | 2011N 11223W                            | 51.9         | 111.9        | GGGG              |             |                      | 37                      | 46                     |
| 2601-18290        | 2-20033/0186                            | 00000/0000   | 09/14/76         | 10             | 8381            | 8041N 06334W                            | 10.8         | 215.6        | GGG               |             |                      | 36                      | 248                    |
| 2601-18292        | 2-20033/0187                            | 00000/0000   | 09/14/76         | 0              | 8381            | 8010N 07150W                            | 11.9         | 207.4        | GGG               |             |                      | 55                      | 1                      |
| 2601-18295        | 2-20033/0188                            | 00000/0000   | 09/14/76         | 0              | 8381            | 7929N 07911W                            | 13.1         | 200.1        | GGG               |             |                      | 55                      | 2                      |
| 2601-18301        | 2-20033/0189                            | 00000/0000   | 09/14/76         | 10             | 8381            | 7839N 08534W                            | 14.2         | 193.7        | GGG               |             |                      | 55                      | 3                      |
| 2601-20160        | 00000/0000                              | 2-20032/1362 | 09/14/76         | 40             | 8382            | 7202N 13431W                            | 20.9         | 170.2        | GGGG              |             |                      | 73                      | 9                      |
| 2601-20162        | 00000/0000                              | 2-20032/1363 | 09/14/76         | 100            | 8382            | 7046N 13651W                            | 22.0         | 167.7        | GGGG              |             |                      | 73                      | 10                     |
| 2602-01320        | 00000/0000                              | 2-20032/1264 | 09/15/76         | 0              | 8385            | 5135N 12855E                            | 36.5         | 145.9        | GGGG              |             |                      | 127                     | 24                     |
| 2602-01323        | 00000/0000                              | 2-20032/1265 | 09/15/76         | 0              | 8385            | 5011N 12815E                            | 37.5         | 144.7        | GGGG              |             |                      | 127                     | 25                     |
| 2602-01325        | 00000/0000                              | 2-20032/1266 | 09/15/76         | 0              | 8385            | 4847N 12737E                            | 38.4         | 143.4        | GGGG              |             |                      | 127                     | 26                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>REV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2602-01332        | 00000/0000                   | 2-20032/1267                | 09/15/76         | 10             | 8385            | 4722N                                   | 12700E       | 39.3         | 142.1                              | GGGG                |                      | 127                     | 27                     |
| 2602-01334        | 00000/0000                   | 2-20032/1268                | 09/15/76         | 50             | 8385            | 4557N                                   | 12620E       | 40.2         | 140.8                              | GGFG                |                      | 127                     | 28                     |
| 2602-01341        | 00000/0000                   | 2-20032/1269                | 09/15/76         | 50             | 8385            | 4431N                                   | 12551E       | 41.1         | 139.5                              | GGGG                |                      | 127                     | 29                     |
| 2602-01343        | 00000/0000                   | 2-20032/1270                | 09/15/76         | 40             | 8385            | 4306N                                   | 12519E       | 42.0         | 138.1                              | GGFG                |                      | 127                     | 30                     |
| 2602-01350        | 00000/0000                   | 2-20032/1271                | 09/15/76         | 10             | 8385            | 4140N                                   | 12447E       | 42.8         | 136.8                              | GGGG                |                      | 127                     | 31                     |
| 2602-01352        | 00000/0000                   | 2-20032/1272                | 09/15/76         | 0              | 8385            | 4015N                                   | 12417E       | 43.7         | 135.4                              | GGGG                |                      | 127                     | 32                     |
| 2602-01355        | 00000/0000                   | 2-20032/1273                | 09/15/76         | 10             | 8385            | 3849N                                   | 12347E       | 44.5         | 133.9                              | GGGG                |                      | 127                     | 33                     |
| 2602-04563        | 00000/0000                   | 2-20032/1293                | 09/15/76         | 90             | 8387            | 5842N                                   | 05120E       | 31.4         | 152.5                              | GGGG                |                      | 163                     | 19                     |
| 2602-04565        | 00000/0000                   | 2-20032/1294                | 09/15/76         | 90             | 8387            | 5719N                                   | 05028E       | 32.4         | 151.2                              | GGGG                |                      | 163                     | 20                     |
| 2602-04572        | 00000/0000                   | 2-20032/1295                | 09/15/76         | 100            | 8387            | 5555N                                   | 07935E       | 33.5         | 149.9                              | GGGG                |                      | 163                     | 21                     |
| 2602-04574        | 00000/0000                   | 2-20032/1296                | 09/15/76         | 90             | 8387            | 5432N                                   | 07847E       | 34.5         | 148.6                              | GGFG                |                      | 163                     | 22                     |
| 2602-04581        | 00000/0000                   | 2-20032/1297                | 09/15/76         | 80             | 8387            | 5307N                                   | 07802E       | 35.4         | 147.3                              | GGFG                |                      | 163                     | 23                     |
| 2602-04583        | 00000/0000                   | 2-20032/1298                | 09/15/76         | 50             | 8387            | 5143N                                   | 07719E       | 36.4         | 146.1                              | GGGG                |                      | 163                     | 24                     |
| 2602-04590        | 00000/0000                   | 2-20032/1299                | 09/15/76         | 40             | 8387            | 5018N                                   | 07638E       | 37.4         | 144.8                              | GGGG                |                      | 163                     | 25                     |
| 2602-05040        | 00000/0000                   | 2-20032/1300                | 09/15/76         | 10             | 8387            | 3311N                                   | 07022E       | 47.3         | 128.1                              | GGFG                |                      | 163                     | 37                     |
| 2602-05042        | 00000/0000                   | 2-20032/1301                | 09/15/76         | 10             | 8387            | 3145N                                   | 06957E       | 47.9         | 126.5                              | GGFG                |                      | 163                     | 38                     |
| 2602-05045        | 00000/0000                   | 2-20032/1302                | 09/15/76         | 10             | 8387            | 3018N                                   | 06933E       | 48.6         | 124.8                              | GGFG                |                      | 163                     | 39                     |
| 2602-05051        | 00000/0000                   | 2-20032/1303                | 09/15/76         | 10             | 8387            | 2852N                                   | 06908E       | 49.1         | 123.1                              | GGGG                |                      | 163                     | 40                     |
| 2602-05054        | 00000/0000                   | 2-20032/1304                | 09/15/76         | 10             | 8387            | 2726N                                   | 06845E       | 49.7         | 121.4                              | GGGG                |                      | 163                     | 41                     |
| 2602-05060        | 00000/0000                   | 2-20032/1305                | 09/15/76         | 10             | 8387            | 2600N                                   | 06821E       | 50.2         | 119.7                              | GGGG                |                      | 163                     | 42                     |
| 2602-05063        | 00000/0000                   | 2-20032/1306                | 09/15/76         | 20             | 8387            | 2433N                                   | 06755E       | 50.7         | 117.9                              | GGGG                |                      | 163                     | 43                     |
| 2602-05065        | 00000/0000                   | 2-20032/1307                | 09/15/76         | 20             | 8387            | 2307N                                   | 06736E       | 51.1         | 116.1                              | GGFG                |                      | 163                     | 44                     |
| 2602-05394        | 00000/0000                   | 2-20032/1344                | 09/15/76         | 50             | 8388            | 5842N                                   | 05532E       | 31.4         | 152.5                              | GGGG                |                      | 181                     | 19                     |
| 2602-06401        | 00000/0000                   | 2-20032/1345                | 09/15/76         | 50             | 8388            | 5718N                                   | 05437E       | 32.4         | 151.2                              | GGGG                |                      | 181                     | 20                     |
| 2602-06403        | 00000/0000                   | 2-20032/1346                | 09/15/76         | 10             | 8388            | 5554N                                   | 05347E       | 33.4         | 149.9                              | GGGG                |                      | 181                     | 21                     |
| 2602-06410        | 00000/0000                   | 2-20032/1347                | 09/15/76         | 10             | 8388            | 5431N                                   | 05259E       | 34.4         | 148.6                              | GGGG                |                      | 181                     | 22                     |
| 2602-06412        | 00000/0000                   | 2-20032/1348                | 09/15/76         | 10             | 8388            | 5307N                                   | 05214E       | 35.4         | 147.4                              | GGGG                |                      | 181                     | 23                     |
| 2602-06415        | 00000/0000                   | 2-20032/1349                | 09/15/76         | 10             | 8388            | 5141N                                   | 05130E       | 36.4         | 146.1                              | GGGG                |                      | 181                     | 24                     |
| 2602-06421        | 00000/0000                   | 2-20032/1350                | 09/15/76         | 0              | 8388            | 5017N                                   | 05049E       | 37.3         | 144.8                              | GGGG                |                      | 181                     | 25                     |
| 2602-06424        | 00000/0000                   | 2-20032/1324                | 09/15/76         | 0              | 8388            | 4852N                                   | 05011E       | 38.3         | 143.5                              | GGG                 |                      | 181                     | 26                     |
| 2602-06430        | 00000/0000                   | 2-20032/1325                | 09/15/76         | 10             | 8388            | 4727N                                   | 04935E       | 39.2         | 142.3                              | GGGG                |                      | 181                     | 27                     |
| 2602-06433        | 00000/0000                   | 2-20032/1326                | 09/15/76         | 20             | 8388            | 4602N                                   | 04900E       | 40.1         | 141.0                              | GGGG                |                      | 181                     | 28                     |
| 2602-06435        | 00000/0000                   | 2-20032/1327                | 09/15/76         | 30             | 8388            | 4476N                                   | 04826E       | 41.0         | 139.6                              | GGFG                |                      | 181                     | 29                     |
| 2602-06442        | 00000/0000                   | 2-20032/1328                | 09/15/76         | 10             | 8388            | 4311N                                   | 04753E       | 41.9         | 138.3                              | GGGG                |                      | 181                     | 30                     |
| 2602-06444        | 00000/0000                   | 2-20032/1329                | 09/15/76         | 30             | 8388            | 4145N                                   | 04722E       | 42.7         | 136.9                              | GGGG                |                      | 181                     | 31                     |
| 2602-06451        | 00000/0000                   | 2-20032/1330                | 09/15/76         | 80             | 8388            | 4020N                                   | 04652E       | 43.5         | 135.6                              | GGGG                |                      | 181                     | 32                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = X CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 23, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SUN<br>ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------------------------|------------------|----------------|---------------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|--------------------------------|------------------------|
| 2602-06453        | 00000/0000 2-20032/1331                            | 09/15/76         | 60             | 8388                | 3854N                                   | 04623E       | 44.3         | 134.1                              |                     | GGGG                 | 181                            | 33                     |
| 2602-06460        | 00000/0000 2-20032/1332                            | 09/15/76         | 10             | 8388                | 3729N                                   | 04554E       | 45.1         | 132.7                              |                     | GGGG                 | 181                            | 34                     |
| 2602-06462        | 00000/0000 2-20032/1333                            | 09/15/76         | 10             | 8388                | 3603N                                   | 04527E       | 45.9         | 131.2                              |                     | GGGG                 | 181                            | 35                     |
| 2602-06465        | 00000/0000 2-20032/1334                            | 09/15/76         | 0              | 8388                | 3477N                                   | 04501E       | 46.6         | 129.7                              |                     | GGGG                 | 181                            | 36                     |
| 2602-06471        | 00000/0000 2-20032/1335                            | 09/15/76         | 0              | 8388                | 3311N                                   | 04435E       | 47.3         | 128.1                              |                     | GGGG                 | 181                            | 37                     |
| 2602-06474        | 00000/0000 2-20032/1336                            | 09/15/76         | 10             | 8388                | 3145N                                   | 04409E       | 47.9         | 126.5                              |                     | GGGG                 | 181                            | 38                     |
| 2602-08241        | 00000/0000 2-20032/1337                            | 09/15/76         | 30             | 8389                | 5430N                                   | 02708E       | 34.4         | 148.6                              |                     | GGGG                 | 199                            | 22                     |
| 2602-08244        | 00000/0000 2-20032/1338                            | 09/15/76         | 30             | 8389                | 5306N                                   | 02623E       | 35.4         | 147.4                              |                     | GGGG                 | 199                            | 23                     |
| 2602-08250        | 00000/0000 2-20032/1339                            | 09/15/76         | 70             | 8389                | 5141N                                   | 02541E       | 36.4         | 146.1                              |                     | GGGG                 | 199                            | 24                     |
| 2602-08253        | 00000/0000 2-20032/1340                            | 09/15/76         | 30             | 8389                | 5016N                                   | 02500E       | 37.3         | 144.8                              |                     | GGGG                 | 199                            | 25                     |
| 2602-08255        | 00000/0000 2-20032/1341                            | 09/15/76         | 10             | 8389                | 4852N                                   | 02422E       | 38.3         | 143.6                              |                     | GGGG                 | 199                            | 26                     |
| 2602-08262        | 00000/0000 2-20032/1342                            | 09/15/76         | 10             | 8389                | 4727N                                   | 02345E       | 39.2         | 142.3                              |                     | GGGG                 | 199                            | 27                     |
| 2602-12175        | 00000/0000 2-20032/1343                            | 09/15/76         | 90             | 8391                | 3844S                                   | 05117W       | 30.9         | 56.2                               |                     | FFFF                 | 235                            | 87                     |
| 2602-13470        | 2-20033/0190 00000/0000                            | 09/15/76         | 20             | 8392                | 1001N                                   | 06439W       | 52.9         | 98.7                               | GGG                 |                      | 2                              | 53                     |
| 2602-13472        | 2-20033/0191 00000/0000                            | 09/15/76         | 50             | 8392                | 0835N                                   | 06459W       | 52.9         | 96.7                               | GGG                 |                      | 2                              | 54                     |
| 2602-13475        | 2-20033/0192 00000/0000                            | 09/15/76         | 30             | 8392                | 0708N                                   | 06519W       | 52.8         | 94.7                               | GGG                 |                      | 2                              | 55                     |
| 2602-13481        | 2-20033/0193 00000/0000                            | 09/15/76         | 30             | 8392                | 0542N                                   | 06539W       | 52.7         | 92.8                               | GGG                 |                      | 2                              | 56                     |
| 2602-15183        | 00000/0000 2-20032/1283                            | 09/15/76         | 70             | 8393                | 5015N                                   | 07816W       | 37.3         | 144.9                              | GGGG                |                      | 20                             | 25                     |
| 2602-17010        | 00000/0000 2-20032/1367                            | 09/15/76         | 30             | 8394                | 5384N                                   | 10240W       | 35.3         | 147.4                              | GGGG                |                      | 38                             | 23                     |
| 2602-17012        | 00000/0000 2-20032/1368                            | 09/15/76         | 0              | 8394                | 5140N                                   | 10323W       | 36.3         | 146.2                              | GGGG                |                      | 38                             | 24                     |
| 2602-17015        | 00000/0000 2-20032/1369                            | 09/15/76         | 10             | 8394                | 5015N                                   | 10403W       | 37.2         | 144.9                              | GGGG                |                      | 38                             | 25                     |
| 2602-17030        | 00000/0000 2-20032/1370                            | 09/15/76         | 30             | 8394                | 2851N                                   | 11132W       | 49.1         | 123.4                              | GGG                 |                      | 38                             | 40                     |
| 2602-17033        | 00000/0000 2-20032/1371                            | 09/15/76         | 20             | 8394                | 2725N                                   | 11156W       | 49.6         | 121.6                              | GGGG                |                      | 38                             | 41                     |
| 2602-17035        | 00000/0000 2-20032/1372                            | 09/15/76         | 40             | 8394                | 2559N                                   | 11219W       | 50.1         | 119.9                              | GGGG                |                      | 38                             | 42                     |
| 2602-17092        | 00000/0000 2-20032/1373                            | 09/15/76         | 40             | 8394                | 2432N                                   | 11242W       | 50.6         | 118.1                              | GGGG                |                      | 38                             | 43                     |
| 2602-17094        | 00000/0000 2-20032/1374                            | 09/15/76         | 40             | 8394                | 2305N                                   | 11304W       | 51.0         | 116.3                              | GGGG                |                      | 38                             | 44                     |
| 2602-18350        | 2-20033/0194 00000/0000                            | 09/15/76         | 10             | 8395                | 8013N                                   | 07222W       | 11.4         | 208.1                              | GGG                 |                      | 55                             | 1                      |
| 2602-20214        | 00000/0000 2-20032/1364                            | 09/15/76         | 90             | 8396                | 7205N                                   | 13546W       | 20.4         | 170.4                              | GGGG                |                      | 74                             | 9                      |
| 2602-20220        | 00000/0000 2-20032/1365                            | 09/15/76         | 100            | 8396                | 7000N                                   | 13807W       | 21.5         | 167.9                              | GGGG                |                      | 74                             | 10                     |
| 2602-22050        | 00000/0000 2-20032/1366                            | 09/15/76         | 100            | 8397                | 7205N                                   | 16138W       | 20.4         | 170.4                              | GGGG                |                      | 92                             | 9                      |
| 2603-01381        | 00000/0000 2-20032/1351                            | 09/16/76         | 0              | 8399                | 5016N                                   | 12652E       | 37.1         | 145.0                              | GGGG                |                      | 128                            | 25                     |
| 2603-01383        | 00000/0000 2-20032/1352                            | 09/16/76         | 10             | 8399                | 4851N                                   | 12614E       | 38.0         | 143.8                              | GGGG                |                      | 128                            | 26                     |
| 2603-01390        | 00000/0000 2-20032/1353                            | 09/16/76         | 0              | 8399                | 4726N                                   | 12537E       | 39.0         | 142.5                              | GGGG                |                      | 128                            | 27                     |
| 2603-01392        | 00000/0000 2-20032/1354                            | 09/16/76         | 0              | 8399                | 4600N                                   | 12502E       | 39.9         | 141.2                              | GGGG                |                      | 128                            | 28                     |
| 2603-01395        | 00000/0000 2-20032/1355                            | 09/16/76         | 0              | 8399                | 4435N                                   | 12428E       | 40.8         | 139.9                              | GGGG                |                      | 128                            | 29                     |
| 2603-01401        | 00000/0000 2-20032/1356                            | 09/16/76         | 0              | 8399                | 4310N                                   | 12356E       | 41.7         | 138.6                              | GGGG                |                      | 128                            | 30                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA<br>MODE | MSS<br>MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|----------------------------|-----------------------------|-------------------------|------------------------|
| 2603-01404        | 00000/0000                                     | 2-20032/1357     | 09/16/76       | 0               | 8399                               | 4145N                               | 12325E       | 42.5         | 137.2             | GGGG                       |                             |                         |                        |
| 2603-01410        | 00000/0000                                     | 2-20032/1358     | 09/16/76       | 10              | 8399                               | 4019N                               | 12255E       | 43.3         | 135.8             | GGGG                       |                             | 128                     | 31                     |
| 2603-01413        | 00000/0000                                     | 2-20032/1359     | 09/16/76       | 10              | 8399                               | 3853N                               | 12255E       | 44.1         | 134.4             | GGGG                       |                             | 128                     | 32                     |
| 2603-01433        | 00000/0000                                     | 2-20032/1360     | 09/16/76       | 90              | 8399                               | 3143N                               | 12011E       | 47.7         | 126.9             | GGGG                       |                             | 128                     | 33                     |
| 2603-01451        | 00000/0000                                     | 2-20032/1361     | 09/16/76       | 60              | 8399                               | 2559N                               | 11834E       | 50.1         | 120.1             | GGGG                       |                             | 128                     | 34                     |
| 2603-03242        | 00000/0000                                     | 2-20032/1308     | 09/16/76       | 20              | 8400                               | 4019N                               | 09703E       | 43.3         | 135.8             | GGGG                       |                             | 128                     | 42                     |
| 2603-05105        | 00000/0000                                     | 2-20032/1375     | 09/16/76       | 10              | 8401                               | 2850N                               | 06742E       | 49.0         | 123.6             | GGGG                       |                             | 146                     | 32                     |
| 2603-05112        | 00000/0000                                     | 2-20032/1376     | 09/16/76       | 10              | 8401                               | 2724N                               | 06719E       | 49.5         | 121.9             | GGGG                       |                             | 164                     | 40                     |
| 2603-05114        | 00000/0000                                     | 2-20032/1377     | 09/16/76       | 20              | 8401                               | 2558N                               | 06655E       | 50.0         | 120.2             | GGGG                       |                             | 164                     | 41                     |
| 2603-05121        | 00000/0000                                     | 2-20032/0873     | 09/16/76       | 60              | 8401                               | 2431N                               | 06632E       | 50.5         | 118.4             | GGGG                       |                             | 164                     | 42                     |
| 2603-05123        | 00000/0000                                     | 2-20032/0874     | 09/16/76       | 20              | 8401                               | 2305N                               | 06609E       | 51.0         | 116.6             | GGGG                       |                             | 164                     | 43                     |
| 2603-06462        | 00000/0000                                     | 2-20032/0875     | 09/16/76       | 0               | 8402                               | 5552N                               | 05221E       | 33.1         | 150.1             | GGGG                       |                             | 164                     | 44                     |
| 2603-06464        | 00000/0000                                     | 2-20032/0876     | 09/16/76       | 0               | 8402                               | 5429N                               | 05133E       | 34.1         | 148.8             | GGGG                       |                             | 182                     | 21                     |
| 2603-06471        | 00000/0000                                     | 2-20032/0877     | 09/16/76       | 0               | 8402                               | 5304N                               | 05047E       | 35.1         | 147.6             | GGGG                       |                             | 182                     | 22                     |
| 2603-06473        | 00000/0000                                     | 2-20032/0878     | 09/16/76       | 0               | 8402                               | 5140N                               | 05004E       | 36.1         | 146.3             | GGGG                       |                             | 182                     | 23                     |
| 2603-06491        | 00000/0000                                     | 2-20032/0879     | 09/16/76       | 10              | 8402                               | 4600N                               | 04732E       | 39.8         | 141.2             | GGGG                       |                             | 182                     | 24                     |
| 2603-06494        | 00000/0000                                     | 2-20032/0880     | 09/16/76       | 10              | 8402                               | 4435N                               | 04659E       | 40.7         | 139.9             | GGGG                       |                             | 182                     | 25                     |
| 2603-06500        | 00000/0000                                     | 2-20032/0881     | 09/16/76       | 20              | 8402                               | 4309N                               | 04626E       | 41.6         | 138.6             | GGGG                       |                             | 182                     | 29                     |
| 2603-06503        | 00000/0000                                     | 2-20032/0882     | 09/16/76       | 20              | 8402                               | 4144N                               | 04555E       | 42.5         | 137.3             | GGGG                       |                             | 182                     | 30                     |
| 2603-06505        | 00000/0000                                     | 2-20032/0883     | 09/16/76       | 10              | 8402                               | 4018N                               | 04526E       | 43.3         | 135.9             | GGGG                       |                             | 182                     | 31                     |
| 2603-06512        | 00000/0000                                     | 2-20032/0884     | 09/16/76       | 10              | 8402                               | 3853N                               | 04457E       | 44.1         | 134.5             | GGGG                       |                             | 182                     | 32                     |
| 2603-06514        | 00000/0000                                     | 2-20032/0885     | 09/16/76       | 30              | 8402                               | 3727N                               | 04428E       | 44.9         | 133.0             | GGGG                       |                             | 182                     | 33                     |
| 2603-06521        | 00000/0000                                     | 2-20032/0886     | 09/16/76       | 40              | 8402                               | 3601N                               | 04401E       | 45.6         | 131.6             | GGGG                       |                             | 182                     | 34                     |
| 2603-06523        | 00000/0000                                     | 2-20032/0887     | 09/16/76       | 10              | 8402                               | 3435N                               | 04334E       | 46.3         | 130.1             | GGGG                       |                             | 182                     | 35                     |
| 2603-06530        | 00000/0000                                     | 2-20032/0888     | 09/16/76       | 0               | 8402                               | 3309N                               | 04308E       | 47.0         | 128.5             | GGGG                       |                             | 182                     | 36                     |
| 2603-08300        | 00000/0000                                     | 2-20032/1378     | 09/16/76       | 50              | 8403                               | 5428N                               | 02541E       | 34.1         | 148.8             | GGGG                       |                             | 182                     | 37                     |
| 2603-08302        | 00000/0000                                     | 2-20032/1379     | 09/16/76       | 60              | 8403                               | 5304N                               | 02456E       | 35.1         | 147.6             | GGGG                       |                             | 200                     | 22                     |
| 2603-08305        | 00000/0000                                     | 2-20032/1380     | 09/16/76       | 30              | 8403                               | 5139N                               | 02413E       | 36.1         | 146.3             | GGGG                       |                             | 200                     | 23                     |
| 2603-12135        | 00000/0000                                     | 2-20032/1381     | 09/16/76       | 40              | 8405                               | 2552S                               | 04851W       | 40.0         | 61.9              | GGGG                       |                             | 200                     | 24                     |
| 2603-12201        | 00000/0000                                     | 2-20032/1382     | 09/16/76       | 10              | 8405                               | 2717S                               | 04915W       | 39.1         | 61.1              | GGGG                       |                             | 236                     | 78                     |
| 2603-12204        | 00000/0000                                     | 2-20032/1383     | 09/16/76       | 10              | 8405                               | 2842S                               | 04939W       | 38.2         | 60.3              | GGGG                       |                             | 236                     | 79                     |
| 2603-15241        | 00000/0000                                     | 2-20032/1399     | 09/16/76       | 0               | 8407                               | 5016N                               | 07938W       | 36.9         | 145.2             | GGGG                       |                             | 21                      | 25                     |
| 2603-17053        | 00000/0000                                     | 2-20032/1400     | 09/16/76       | 0               | 8408                               | 5717N                               | 10142W       | 31.9         | 151.5             | GGGG                       |                             | 39                      | 20                     |
| 2603-17055        | 00000/0000                                     | 2-20032/1401     | 09/16/76       | 0               | 8408                               | 5553N                               | 10233W       | 32.9         | 150.2             | GGGG                       |                             | 39                      | 21                     |
| 2603-17062        | 00000/0000                                     | 2-20032/1402     | 09/16/76       | 0               | 8408                               | 5429N                               | 10321W       | 33.9         | 148.9             | GGGG                       |                             | 39                      | 22                     |
| 2603-17064        | 00000/0000                                     | 2-20032/1403     | 09/16/76       | 0               | 8408                               | 5306N                               | 10406W       | 34.9         | 147.7             | GGGG                       |                             | 39                      | 23                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=18X GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBY | RAII NR./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>BF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2603-17071        | 00000/0000                   | 2-20032/1404               | 09/16/76         | 0              | 8408            | 5141N                        | 10449W        | 35.9         | 146.4        | GGGG                               |                     |                      | 39                      | 24                     |
| 2603-17073        | 00000/0000                   | 2-20032/1405               | 09/16/76         | 0              | 8408            | 5016N                        | 10530W        | 36.9         | 145.2        | GGGG                               |                     |                      | 39                      | 25                     |
| 2603-17135        | 00000/0000                   | 2-20032/1406               | 09/16/76         | 10             | 8408            | 2853N                        | 11258W        | 48.8         | 123.9        | GGGG                               |                     |                      | 39                      | 40                     |
| 2603-17141        | 00000/0000                   | 2-20032/1407               | 09/16/76         | 10             | 8408            | 2727N                        | 11322W        | 49.4         | 122.2        | GGGG                               |                     |                      | 39                      | 41                     |
| 2603-17144        | 00000/0000                   | 2-20032/1408               | 09/16/76         | 10             | 8408            | 2600N                        | 11346W        | 49.9         | 120.5        | GGGG                               |                     |                      | 39                      | 42                     |
| 2603-18405        | 2-20033/0195                 | 00000/0000                 | 09/16/76         | 70             | 8409            | 8014N                        | 07348W        | 11.0         | 208.3        | GGG                                |                     |                      | 56                      | 1                      |
| 2603-18411        | 2-20033/0196                 | 00000/0000                 | 09/16/76         | 40             | 8409            | 7933N                        | 08116W        | 12.2         | 200.9        | GGG                                |                     |                      | 56                      | 2                      |
| 2603-20272        | 00000/0000                   | 2-20032/1409               | 09/16/76         | 90             | 8410            | 7204N                        | 13719W        | 20.1         | 170.5        |                                    | GGG                 |                      | 75                      | 9                      |
| 2603-22110        | 00000/0000                   | 2-20032/1410               | 09/16/76         | 90             | 8411            | 7047N                        | 16527W        | 21.2         | 168.0        |                                    | GFGG                |                      | 93                      | 10                     |
| 2604-01435        | 00000/0000                   | 2-20032/1384               | 09/17/76         | 40             | 8413            | 5017N                        | 12526E        | 36.8         | 145.3        | GGGG                               |                     |                      | 129                     | 25                     |
| 2604-01441        | 00000/0000                   | 2-20032/1385               | 09/17/76         | 20             | 8413            | 4852N                        | 12448E        | 37.7         | 144.1        | GGGG                               |                     |                      | 129                     | 26                     |
| 2604-01444        | 00000/0000                   | 2-20032/1386               | 09/17/76         | 10             | 8413            | 4727N                        | 12411E        | 38.6         | 142.8        | GGGG                               |                     |                      | 129                     | 27                     |
| 2604-01450        | 00000/0000                   | 2-20032/1387               | 09/17/76         | 10             | 8413            | 4602N                        | 12336E        | 39.6         | 141.5        | GGGG                               |                     |                      | 129                     | 28                     |
| 2604-01453        | 00000/0000                   | 2-20032/1388               | 09/17/76         | 10             | 8413            | 4437N                        | 12302E        | 40.5         | 140.2        | GGGG                               |                     |                      | 129                     | 29                     |
| 2604-01455        | 00000/0000                   | 2-20032/1389               | 09/17/76         | 30             | 8413            | 4312N                        | 12230E        | 41.3         | 138.9        | FGGG                               |                     |                      | 129                     | 30                     |
| 2604-01462        | 00000/0000                   | 2-20032/1390               | 09/17/76         | 60             | 8413            | 4146N                        | 12158E        | 42.2         | 137.6        | GGGG                               |                     |                      | 129                     | 31                     |
| 2604-01464        | 00000/0000                   | 2-20032/1391               | 09/17/76         | 30             | 8413            | 4021N                        | 12128E        | 43.0         | 136.2        | FGGG                               |                     |                      | 129                     | 32                     |
| 2604-01471        | 00000/0000                   | 2-20032/1392               | 09/17/76         | 10             | 8413            | 3855N                        | 12059E        | 43.8         | 134.8        | GGGG                               |                     |                      | 129                     | 33                     |
| 2604-01473        | 00000/0000                   | 2-20032/1393               | 09/17/76         | 10             | 8413            | 3709N                        | 12031E        | 44.6         | 133.4        | GGGG                               |                     |                      | 129                     | 34                     |
| 2604-01480        | 00000/0000                   | 2-20032/1394               | 09/17/76         | 10             | 8413            | 3603N                        | 12004E        | 45.4         | 131.9        | GGGG                               |                     |                      | 129                     | 35                     |
| 2604-01482        | 00000/0000                   | 2-20032/1395               | 09/17/76         | 40             | 8413            | 3437N                        | 11937E        | 46.1         | 130.5        | FFFF                               |                     |                      | 129                     | 36                     |
| 2604-01485        | 00000/0000                   | 2-20032/1396               | 09/17/76         | 50             | 8413            | 3312N                        | 11911E        | 46.8         | 128.9        | GGGG                               |                     |                      | 129                     | 37                     |
| 2604-01491        | 00000/0000                   | 2-20032/1397               | 09/17/76         | 50             | 8413            | 3146N                        | 11845E        | 47.5         | 127.4        | GGGG                               |                     |                      | 129                     | 38                     |
| 2604-01494        | 00000/0000                   | 2-20032/1398               | 09/17/76         | 30             | 8413            | 3019N                        | 11820E        | 48.2         | 125.7        | GGGG                               |                     |                      | 129                     | 39                     |
| 2604-03300        | 00000/0000                   | 2-20032/0889               | 09/17/76         | 10             | 8414            | 4020N                        | 09538E        | 43.0         | 136.2        | P                                  |                     |                      | 147                     | 32                     |
| 2604-05132        | 00000/0000                   | 2-20032/0890               | 09/17/76         | 10             | 8415            | 4019N                        | 06947E        | 43.0         | 136.3        | GGGG                               |                     |                      | 165                     | 32                     |
| 2604-06511        | 00000/0000                   | 2-20034/0281               | 09/17/76         | 60             | 8416            | 5841N                        | 05241E        | 30.7         | 152.9        | GGGG                               |                     |                      | 183                     | 19                     |
| 2604-06513        | 00000/0000                   | 2-20034/0282               | 09/17/76         | 10             | 8416            | 5718N                        | 05146E        | 31.7         | 151.6        | GGGG                               |                     |                      | 183                     | 20                     |
| 2604-06520        | 00000/0000                   | 2-20034/0283               | 09/17/76         | 30             | 8416            | 5554N                        | 05055E        | 32.7         | 150.3        | GGGG                               |                     |                      | 183                     | 21                     |
| 2604-06522        | 00000/0000                   | 2-20034/0284               | 09/17/76         | 30             | 8416            | 5430N                        | 05007E        | 33.8         | 149.1        | GGGG                               |                     |                      | 183                     | 22                     |
| 2604-06525        | 00000/0000                   | 2-20034/0285               | 09/17/76         | 30             | 8416            | 5305N                        | 04922E        | 34.7         | 147.8        | GGGG                               |                     |                      | 183                     | 23                     |
| 2604-06531        | 00000/0000                   | 2-20034/0286               | 09/17/76         | 30             | 8416            | 5141N                        | 04839E        | 35.7         | 146.6        | GGGG                               |                     |                      | 183                     | 24                     |
| 2604-06534        | 00000/0000                   | 2-20034/0287               | 09/17/76         | 40             | 8416            | 5016N                        | 04759E        | 36.7         | 145.3        | GGGG                               |                     |                      | 183                     | 25                     |
| 2604-06540        | 00000/0000                   | 2-20034/0288               | 09/17/76         | 30             | 8416            | 4852N                        | 04720E        | 37.7         | 144.1        | GGGG                               |                     |                      | 183                     | 26                     |
| 2604-06543        | 00000/0000                   | 2-20034/0289               | 09/17/76         | 40             | 8416            | 4727N                        | 04643E        | 38.6         | 142.8        | GGGG                               |                     |                      | 183                     | 27                     |
| 2604-06545        | 00000/0000                   | 2-20034/0290               | 09/17/76         | 50             | 8416            | 4602N                        | 04608E        | 39.5         | 141.6        | GGGG                               |                     |                      | 183                     | 28                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|--------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2604-06552        | 00000/0000                   | 2-20034/0291                         | 09/17/76         | 70             | 8416            | 4436N                        | 04534E        | 40.4         | 140.3        | GGGG                  |                     |                      | 183                     | 29                     |
| 2604-06554        | 00000/0000                   | 2-20034/0292                         | 09/17/76         | 50             | 8416            | 4311N                        | 04501E        | 41.3         | 139.0        | GGGG                  |                     |                      | 183                     | 30                     |
| 2604-06561        | 00000/0000                   | 2-20034/0293                         | 09/17/76         | 20             | 8416            | 4145N                        | 04430E        | 42.1         | 137.6        | GGGG                  |                     |                      | 183                     | 31                     |
| 2604-06563        | 00000/0000                   | 2-20034/0294                         | 09/17/76         | 20             | 8416            | 4019N                        | 04400E        | 43.0         | 136.3        | GGGG                  |                     |                      | 183                     | 32                     |
| 2604-06570        | 00000/0000                   | 2-20034/0295                         | 09/17/76         | 30             | 8416            | 3844N                        | 04331E        | 43.8         | 134.9        | GGGG                  |                     |                      | 183                     | 33                     |
| 2604-06572        | 00000/0000                   | 2-20034/0296                         | 09/17/76         | 20             | 8416            | 3728N                        | 04303E        | 44.6         | 133.5        | GGGG                  |                     |                      | 183                     | 34                     |
| 2604-08340        | 00000/0000                   | 2-20037/1434                         | 09/17/76         | 60             | 8417            | 6003N                        | 02750E        | 29.6         | 154.3        | GGGG                  |                     |                      | 201                     | 18                     |
| 2604-08342        | 00000/0000                   | 2-20037/1435                         | 09/17/76         | 90             | 8417            | 5841N                        | 02651E        | 30.7         | 152.9        | GGGG                  |                     |                      | 201                     | 19                     |
| 2604-08345        | 00000/0000                   | 2-20037/1436                         | 09/17/76         | 70             | 8417            | 5717N                        | 02556E        | 31.7         | 151.6        | GGGG                  |                     |                      | 201                     | 20                     |
| 2604-08351        | 00000/0000                   | 2-20037/1437                         | 09/17/76         | 20             | 8417            | 5553N                        | 02504E        | 32.7         | 150.4        | GGGG                  |                     |                      | 201                     | 21                     |
| 2604-08354        | 00000/0000                   | 2-20037/1438                         | 09/17/76         | 50             | 8417            | 5429N                        | 02416E        | 33.7         | 149.1        | GGGG                  |                     |                      | 201                     | 22                     |
| 2604-08360        | 00000/0000                   | 2-20037/1439                         | 09/17/76         | 40             | 8417            | 5305N                        | 02332E        | 34.7         | 147.8        | GGGG                  |                     |                      | 201                     | 23                     |
| 2604-12235        | 00000/0000                   | 2-20037/1440                         | 09/17/76         | 10             | 8419            | 2011S                        | 04849W        | 43.7         | 66.1         | PPPP                  |                     |                      | 237                     | 74                     |
| 2604-12242        | 00000/0000                   | 2-20037/1441                         | 09/17/76         | 10             | 8419            | 2137S                        | 04911W        | 42.9         | 65.0         | PPGG                  |                     |                      | 237                     | 75                     |
| 2604-12244        | 00000/0000                   | 2-20037/1442                         | 09/17/76         | 10             | 8419            | 2303S                        | 04933W        | 42.0         | 64.0         | GGGG                  |                     |                      | 237                     | 76                     |
| 2604-12251        | 00000/0000                   | 2-20037/1443                         | 09/17/76         | 20             | 8419            | 2429S                        | 04956W        | 41.2         | 63.1         | GGGG                  |                     |                      | 237                     | 77                     |
| 2604-12253        | 00000/0000                   | 2-20037/1444                         | 09/17/76         | 10             | 8419            | 2555S                        | 05019W        | 40.3         | 62.2         | PPPP                  |                     |                      | 237                     | 78                     |
| 2604-12260        | 00000/0000                   | 2-20037/1445                         | 09/17/76         | 10             | 8419            | 2720S                        | 05042W        | 39.4         | 61.4         | FFFF                  |                     |                      | 237                     | 79                     |
| 2604-12262        | 00000/0000                   | 2-20037/1446                         | 09/17/76         | 0              | 8419            | 2846S                        | 05106W        | 38.5         | 60.6         | FPPP                  |                     |                      | 237                     | 80                     |
| 2604-12265        | 00000/0000                   | 2-20037/1447                         | 09/17/76         | 10             | 8419            | 3012S                        | 05130W        | 37.6         | 59.9         | PPPP                  |                     |                      | 237                     | 81                     |
| 2604-15300        | 00000/0000                   | 2-20037/1430                         | 09/17/76         | 10             | 8421            | 5014N                        | 08106W        | 36.6         | 145.4        | GGGG                  |                     |                      | 22                      | 25                     |
| 2604-17111        | 00000/0000                   | 2-20037/1489                         | 09/17/76         | 20             | 8422            | 5715N                        | 10310W        | 31.6         | 151.7        | GGGG                  |                     |                      | 40                      | 20                     |
| 2604-17113        | 00000/0000                   | 2-20037/1490                         | 09/17/76         | 20             | 8422            | 5552N                        | 10401W        | 32.6         | 150.4        | GGGG                  |                     |                      | 40                      | 21                     |
| 2604-17120        | 00000/0000                   | 2-20037/1491                         | 09/17/76         | 50             | 8422            | 5428N                        | 10449W        | 33.6         | 149.1        | GGGG                  |                     |                      | 40                      | 22                     |
| 2604-17122        | 00000/0000                   | 2-20037/1492                         | 09/17/76         | 30             | 8422            | 5304N                        | 10534W        | 34.6         | 147.9        | GGGG                  |                     |                      | 40                      | 23                     |
| 2604-17125        | 00000/0000                   | 2-20037/1493                         | 09/17/76         | 10             | 8422            | 5139N                        | 10616W        | 35.6         | 146.7        | GGGG                  |                     |                      | 40                      | 24                     |
| 2604-17131        | 00000/0000                   | 2-20037/1494                         | 09/17/76         | 20             | 8422            | 5014N                        | 10656W        | 36.6         | 145.4        | GGGG                  |                     |                      | 40                      | 25                     |
| 2604-17193        | 00000/0000                   | 2-20037/1495                         | 09/17/76         | 40             | 8422            | 2849N                        | 11426W        | 48.6         | 124.4        | GGGG                  |                     |                      | 40                      | 40                     |
| 2604-17195        | 00000/0000                   | 2-20037/1496                         | 09/17/76         | 50             | 8422            | 2723N                        | 11450W        | 49.2         | 122.7        | GGGG                  |                     |                      | 40                      | 41                     |
| 2604-18461        | 2-20033/0197                 | 00000/0000                           | 09/17/76         | 10             | 8423            | 8042N                        | 06729W        | 9.6          | 216.0        | FGG                   |                     |                      | 39                      | 248                    |
| 2604-18463        | 2-20033/0198                 | 00000/0000                           | 09/17/76         | 0              | 8423            | 8011N                        | 07550W        | 10.7         | 207.8        | GGG                   |                     |                      | 57                      | 1                      |
| 2604-18470        | 2-20033/0199                 | 00000/0000                           | 09/17/76         | 10             | 8423            | 7931N                        | 08315W        | 11.9         | 200.5        | GGG                   |                     |                      | 58                      | 2                      |
| 2604-22165        | 00000/0000                   | 2-20037/1431                         | 09/17/76         | 90             | 8425            | 7048N                        | 16649W        | 20.8         | 168.1        | GGGG                  |                     |                      | 94                      | 10                     |
| 2604-22171        | 00000/0000                   | 2-20037/1432                         | 09/17/76         | 70             | 8425            | 6931N                        | 16852W        | 21.9         | 165.9        | GGGG                  |                     |                      | 94                      | 11                     |
| 2604-22174        | 00000/0000                   | 2-20037/1433                         | 09/17/76         | 80             | 8425            | 6812N                        | 17043W        | 23.0         | 163.9        | GGGG                  |                     |                      | 94                      | 12                     |
| 2605-01493        | 00000/0000                   | 2-20037/0891                         | 09/18/76         | 70             | 8427            | 5015N                        | 12400E        | 36.5         | 145.5        | GGGG                  |                     |                      | 130                     | 25                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2605-01500        | 00000/0000                   | 2-20032/0892                | 09/18/76         | 90             | 8427            | 4850N 12321E                            | 37.4         | 144.3        | GGGG                               |                     |                      | 130                     | 26                     |
| 2605-01502        | 00000/0000                   | 2-20032/0893                | 09/18/76         | 90             | 8427            | 4726N 12244E                            | 38.3         | 143.1        | GGGG                               |                     |                      | 130                     | 27                     |
| 2605-01505        | 00000/0000                   | 2-20032/0894                | 09/18/76         | 70             | 8427            | 4600N 12209E                            | 39.3         | 141.8        | GGGG                               |                     |                      | 130                     | 28                     |
| 2605-01511        | 00000/0000                   | 2-20032/0895                | 09/18/76         | 30             | 8427            | 4435N 12134E                            | 40.2         | 140.5        | GGGG                               |                     |                      | 130                     | 29                     |
| 2605-01514        | 00000/0000                   | 2-20032/0896                | 09/18/76         | 10             | 8427            | 4309N 12102E                            | 41.1         | 139.2        | GGGG                               |                     |                      | 130                     | 30                     |
| 2605-01520        | 00000/0000                   | 2-20032/0897                | 09/18/76         | 60             | 8427            | 4144N 12030E                            | 41.9         | 137.9        | GGGG                               |                     |                      | 130                     | 31                     |
| 2605-01523        | 00000/0000                   | 2-20032/0898                | 09/18/76         | 90             | 8427            | 4018N 12000E                            | 42.8         | 136.6        | GGGG                               |                     |                      | 130                     | 32                     |
| 2605-01525        | 00000/0000                   | 2-20032/0899                | 09/18/76         | 90             | 8427            | 3853N 11932E                            | 43.6         | 135.2        | GGGG                               |                     |                      | 130                     | 33                     |
| 2605-01532        | 00000/0000                   | 2-20032/0900                | 09/18/76         | 90             | 8427            | 3727N 11904E                            | 44.4         | 133.8        | GGGG                               |                     |                      | 130                     | 34                     |
| 2605-01534        | 00000/0000                   | 2-20032/0901                | 09/18/76         | 80             | 8427            | 3601N 11837E                            | 45.2         | 132.3        | GGGG                               |                     |                      | 130                     | 35                     |
| 2605-01541        | 00000/0000                   | 2-20032/0902                | 09/18/76         | 30             | 8427            | 3435N 11810E                            | 45.9         | 130.9        | GGGG                               |                     |                      | 130                     | 36                     |
| 2605-01543        | 00000/0000                   | 2-20032/0903                | 09/18/76         | 20             | 8427            | 3309N 11744E                            | 46.6         | 129.3        | GGGG                               |                     |                      | 130                     | 37                     |
| 2605-01550        | 00000/0000                   | 2-20032/0904                | 09/18/76         | 70             | 8427            | 3143N 11718E                            | 47.3         | 127.8        | GGGG                               |                     |                      | 130                     | 38                     |
| 2605-01552        | 00000/0000                   | 2-20032/0905                | 09/18/76         | 80             | 8427            | 3017N 11653E                            | 47.9         | 126.2        | GGGG                               |                     |                      | 130                     | 39                     |
| 2605-01555        | 00000/0000                   | 2-20032/0906                | 09/18/76         | 90             | 8427            | 2851N 11630E                            | 48.6         | 124.6        | GGGG                               |                     |                      | 130                     | 40                     |
| 2605-01561        | 00000/0000                   | 2-20032/0907                | 09/18/76         | 70             | 8427            | 2725N 11606E                            | 49.1         | 122.9        | GGGG                               |                     |                      | 130                     | 41                     |
| 2605-03354        | 00000/0000                   | 2-20032/1448                | 09/18/76         | 20             | 8428            | 4018N 09410E                            | 42.8         | 136.6        | GGGG                               |                     |                      | 148                     | 32                     |
| 2605-05190        | 00000/0000                   | 2-20032/1488                | 09/18/76         | 0              | 8429            | 4018N 06822E                            | 42.7         | 136.6        | GG                                 |                     |                      | 166                     | 32                     |
| 2605-05231        | 00000/0000                   | 2-20032/1475                | 09/18/76         | 20             | 8429            | 2557N 06403E                            | 49.7         | 121.3        | GGGG                               |                     |                      | 166                     | 42                     |
| 2605-06572        | 00000/0000                   | 2-20032/1476                | 09/18/76         | 90             | 8430            | 5715N 05019E                            | 31.4         | 151.8        | FGGG                               |                     |                      | 184                     | 20                     |
| 2605-06574        | 00000/0000                   | 2-20032/1477                | 09/18/76         | 100            | 8430            | 5551N 04928E                            | 32.4         | 150.5        | FGGG                               |                     |                      | 184                     | 21                     |
| 2605-06581        | 00000/0000                   | 2-20032/1478                | 09/18/76         | 90             | 8430            | 5427N 04840E                            | 33.4         | 149.3        | GGGG                               |                     |                      | 184                     | 22                     |
| 2605-06583        | 00000/0000                   | 2-20032/1479                | 09/18/76         | 90             | 8430            | 5303N 04755E                            | 34.4         | 148.0        | GGGF                               |                     |                      | 184                     | 23                     |
| 2605-06590        | 00000/0000                   | 2-20032/1480                | 09/18/76         | 90             | 8430            | 5139N 04712E                            | 35.4         | 146.8        | GGGG                               |                     |                      | 184                     | 24                     |
| 2605-06592        | 00000/0000                   | 2-20032/1481                | 09/18/76         | 100            | 8430            | 5014N 04632E                            | 36.4         | 145.6        | GGGG                               |                     |                      | 184                     | 25                     |
| 2605-06595        | 00000/0000                   | 2-20032/1482                | 09/18/76         | 80             | 8430            | 4849N 04553E                            | 37.3         | 144.4        | FGGG                               |                     |                      | 184                     | 26                     |
| 2605-07001        | 00000/0000                   | 2-20032/1483                | 09/18/76         | 30             | 8430            | 4725N 04517E                            | 38.3         | 143.1        | FGGG                               |                     |                      | 184                     | 27                     |
| 2605-07004        | 00000/0000                   | 2-20032/1484                | 09/18/76         | 30             | 8430            | 4559N 04442E                            | 39.2         | 141.9        | FGFG                               |                     |                      | 184                     | 28                     |
| 2605-07010        | 00000/0000                   | 2-20032/1485                | 09/18/76         | 10             | 8430            | 4434N 04408E                            | 40.1         | 140.6        | FGGG                               |                     |                      | 184                     | 29                     |
| 2605-07013        | 00000/0000                   | 2-20032/1486                | 09/18/76         | 10             | 8430            | 4309N 04335E                            | 41.0         | 139.3        | GGGG                               |                     |                      | 184                     | 30                     |
| 2605-07015        | 00000/0000                   | 2-20032/1487                | 09/18/76         | 10             | 8430            | 4143N 04304E                            | 41.9         | 138.0        | GGGG                               |                     |                      | 184                     | 31                     |
| 2605-08410        | 00000/0000                   | 2-20032/1449                | 09/18/76         | 90             | 8431            | 5550N 02337E                            | 32.4         | 150.5        | GGGG                               |                     |                      | 202                     | 21                     |
| 2605-08412        | 00000/0000                   | 2-20032/1450                | 09/18/76         | 30             | 8431            | 5426N 02249E                            | 33.4         | 149.3        | GGGF                               |                     |                      | 202                     | 22                     |
| 2605-12293        | 00000/0000                   | 2-20032/1451                | 09/18/76         | 80             | 8433            | 2009S 05015W                            | 44.0         | 66.5         | FFFF                               |                     |                      | 238                     | 74                     |
| 2605-12302        | 00000/0000                   | 2-20032/1452                | 09/18/76         | 10             | 8433            | 2302S 05059W                            | 42.4         | 64.4         | GGFF                               |                     |                      | 238                     | 76                     |
| 2605-12305        | 00000/0000                   | 2-20032/1453                | 09/18/76         | 10             | 8433            | 2427S 05122W                            | 41.5         | 63.5         | GGGG                               |                     |                      | 238                     | 77                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA | MSS<br>MSS<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|--------------------|--------------------|-------------------------|------------------------|
| 2605-12314        | 00000/0000                                     | 2-20032/1454     | 09/18/76       | 10              | 8433                               | 2718S                               | 05208W       | 39.7         | 61.0              | GGGG               |                    | 238                     | 79                     |
| 2605-12320        | 00000/0000                                     | 2-20032/1455     | 09/18/76       | 20              | 8433                               | 2845S                               | 05231W       | 38.8         | 61.0              | FFFF               |                    | 238                     | 80                     |
| 2605-12323        | 00000/0000                                     | 2-20032/1456     | 09/18/76       | 10              | 8433                               | 3011S                               | 05255W       | 37.9         | 60.2              | FFFF               |                    | 238                     | 81                     |
| 2605-13504        | 00000/0000                                     | 2-20032/1497     | 09/18/76       | 70              | 8434                               | 5553N                               | 05348W       | 32.3         | 150.6             | G G G              |                    | 5                       | 21                     |
| 2605-15354        | 00000/0000                                     | 2-20032/1498     | 09/18/76       | 20              | 8435                               | 5016N                               | 08233W       | 36.3         | 145.7             | GGGG               |                    | 23                      | 25                     |
| 2605-17092        | 2-20033/0200                                   | 00000/0000       | 09/18/76       | 80              | 8436                               | 7933N                               | 05825W       | 11.4         | 201.0             | G G G              |                    | 40                      | 2                      |
| 2605-17095        | 2-20033/0201                                   | 00000/0000       | 09/18/76       | 60              | 8436                               | 7843N                               | 06452W       | 12.6         | 194.5             | G G G              |                    | 40                      | 3                      |
| 2605-17101        | 2-20033/0202                                   | 00000/0000       | 09/18/76       | 30              | 8436                               | 7747N                               | 07022W       | 13.7         | 189.0             | G G G              |                    | 40                      | 4                      |
| 2605-17124        | 00000/0000                                     | 2-20032/1502     | 09/18/76       | 80              | 8436                               | 7047N                               | 09054W       | 20.5         | 168.2             | GGGG               |                    | 41                      | 10                     |
| 2605-17131        | 00000/0000                                     | 2-20032/1503     | 09/18/76       | 70              | 8436                               | 6930N                               | 09257W       | 21.6         | 166.0             | GGGG               |                    | 41                      | 11                     |
| 2605-17133        | 00000/0000                                     | 2-20032/1504     | 09/18/76       | 90              | 8436                               | 6811N                               | 09447W       | 22.7         | 164.0             | GGGF               |                    | 41                      | 12                     |
| 2605-17140        | 00000/0000                                     | 2-20032/1505     | 09/18/76       | 90              | 8436                               | 6652N                               | 09627W       | 23.8         | 162.1             | GFGG               |                    | 41                      | 13                     |
| 2605-17142        | 00000/0000                                     | 2-20032/1506     | 09/18/76       | 80              | 8436                               | 6531N                               | 09756W       | 24.9         | 160.4             | FGGG               |                    | 41                      | 14                     |
| 2605-17145        | 00000/0000                                     | 2-20032/1507     | 09/18/76       | 10              | 8436                               | 6410N                               | 09918W       | 25.9         | 158.8             | FGGG               |                    | 41                      | 15                     |
| 2605-17151        | 00000/0000                                     | 2-20032/1508     | 09/18/76       | 10              | 8436                               | 6248N                               | 10033W       | 27.0         | 157.3             | FGGG               |                    | 41                      | 16                     |
| 2605-17154        | 00000/0000                                     | 2-20032/1509     | 09/18/76       | 10              | 8436                               | 6125N                               | 10141W       | 28.1         | 155.9             | FFGG               |                    | 41                      | 17                     |
| 2605-17160        | 00000/0000                                     | 2-20032/1510     | 09/18/76       | 10              | 8436                               | 6003N                               | 10244W       | 29.1         | 154.5             | FGGG               |                    | 41                      | 18                     |
| 2605-17163        | 00000/0000                                     | 2-20032/1513     | 09/18/76       | 10              | 8436                               | 5840N                               | 10342W       | 30.2         | 153.2             | GGGG               |                    | 41                      | 19                     |
| 2605-17165        | 00000/0000                                     | 2-20032/1514     | 09/18/76       | 10              | 8436                               | 5717N                               | 10436W       | 31.2         | 151.9             | GGGG               |                    | 41                      | 20                     |
| 2605-17172        | 00000/0000                                     | 2-20032/1515     | 09/18/76       | 10              | 8436                               | 5554N                               | 10527W       | 32.3         | 150.6             | GGGG               |                    | 41                      | 21                     |
| 2605-17174        | 00000/0000                                     | 2-20032/1516     | 09/18/76       | 10              | 8436                               | 5429N                               | 10614W       | 33.3         | 149.4             | GGGG               |                    | 41                      | 22                     |
| 2605-17181        | 00000/0000                                     | 2-20032/1517     | 09/18/76       | 0               | 8436                               | 5305N                               | 10659W       | 34.3         | 148.2             | GGGG               |                    | 41                      | 23                     |
| 2605-17245        | 00000/0000                                     | 2-20032/1518     | 09/18/76       | 30              | 8436                               | 5018N                               | 11527W       | 47.8         | 126.5             | GGGG               |                    | 41                      | 39                     |
| 2605-17251        | 00000/0000                                     | 2-20032/1519     | 09/18/76       | 80              | 8436                               | 2851N                               | 11551W       | 48.4         | 124.9             | GGGG               |                    | 41                      | 40                     |
| 2605-18515        | 2-20033/0203                                   | 00000/0000       | 09/18/76       | 10              | 8437                               | 8042N                               | 06849W       | 9.2          | 216.2             | G G G              |                    | 46                      | 247                    |
| 2605-18521        | 2-20033/0204                                   | 00000/0000       | 09/18/76       | 10              | 8437                               | 8012N                               | 07708W       | 10.3         | 208.0             | G G G              |                    | 58                      | 1                      |
| 2605-20382        | 00000/0000                                     | 2-20032/1511     | 09/18/76       | 90              | 8438                               | 7317N                               | 13730W       | 18.2         | 173.4             | GGGG               |                    | 77                      | 8                      |
| 2605-20385        | 00000/0000                                     | 2-20032/1512     | 09/18/76       | 100             | 8438                               | 7202N                               | 14009W       | 19.3         | 170.6             | F G F F            |                    | 77                      | 9                      |
| 2605-22225        | 00000/0000                                     | 2-20032/1523     | 09/18/76       | 50              | 8439                               | 6929N                               | 17022W       | 21.5         | 166.0             | GGGG               |                    | 95                      | 11                     |
| 2606-01552        | 00000/0000                                     | 2-20032/1457     | 09/19/76       | 40              | 8441                               | 5012N                               | 12232E       | 36.1         | 145.8             | GGGG               |                    | 131                     | 25                     |
| 2606-01561        | 00000/0000                                     | 2-20032/1458     | 09/19/76       | 90              | 8441                               | 4723N                               | 12116E       | 38.0         | 143.3             | G G F G            |                    | 131                     | 27                     |
| 2606-01563        | 00000/0000                                     | 2-20032/1459     | 09/19/76       | 90              | 8441                               | 4557N                               | 12041E       | 39.0         | 142.1             | GGGG               |                    | 131                     | 28                     |
| 2606-01570        | 00000/0000                                     | 2-20032/1460     | 09/19/76       | 70              | 8441                               | 4432N                               | 12007E       | 39.9         | 140.8             | GGGG               |                    | 131                     | 29                     |
| 2606-01572        | 00000/0000                                     | 2-20032/1461     | 09/19/76       | 20              | 8441                               | 4307N                               | 11935E       | 40.8         | 139.5             | G G F G            |                    | 131                     | 30                     |
| 2606-01575        | 00000/0000                                     | 2-20032/1462     | 09/19/76       | 10              | 8441                               | 4142N                               | 11904E       | 41.6         | 138.2             | GGGG               |                    | 131                     | 31                     |
| 2606-01581        | 00000/0000                                     | 2-20032/1463     | 09/19/76       | 10              | 8441                               | 4017N                               | 11834E       | 42.5         | 136.9             | GGGG               |                    | 131                     | 32                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER,  
IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
MSS DATA MODF..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2606-01584        | 00000/0000                   | 2-20032/1464                | 09/19/76         | 10             | 8441            | 3851N                        | 11805E        | 43.3         | 135.5        | GGGG                               |                     |                      | 131                     | 33                     |
| 2606-01590        | 00000/0000                   | 2-20032/1465                | 09/19/76         | 10             | 8441            | 3725N                        | 11737E        | 44.1         | 134.1        | GGGG                               |                     |                      | 131                     | 34                     |
| 2606-01593        | 00000/0000                   | 2-20032/1466                | 09/19/76         | 80             | 8441            | 3600N                        | 11710E        | 44.9         | 132.7        | GGGG                               |                     |                      | 131                     | 35                     |
| 2606-01595        | 00000/0000                   | 2-20032/1467                | 09/19/76         | 90             | 8441            | 3434N                        | 11643E        | 45.7         | 131.3        | GGGG                               |                     |                      | 131                     | 36                     |
| 2606-02002        | 00000/0000                   | 2-20032/1468                | 09/19/76         | 80             | 8441            | 3308N                        | 11617E        | 46.4         | 129.8        | GGGG                               |                     |                      | 131                     | 37                     |
| 2606-02004        | 00000/0000                   | 2-20032/1469                | 09/19/76         | 100            | 8441            | 3142N                        | 11551E        | 47.1         | 128.2        | GGGG                               |                     |                      | 131                     | 38                     |
| 2606-02011        | 00000/0000                   | 2-20032/1470                | 09/19/76         | 100            | 8441            | 3016N                        | 11526E        | 47.7         | 126.7        | FGGG                               |                     |                      | 131                     | 39                     |
| 2606-02013        | 00000/0000                   | 2-20032/1471                | 09/19/76         | 90             | 8441            | 2849N                        | 11502E        | 48.4         | 125.0        | GGGG                               |                     |                      | 131                     | 40                     |
| 2606-02020        | 00000/0000                   | 2-20032/1472                | 09/19/76         | 90             | 8441            | 2723N                        | 11438E        | 49.0         | 123.4        | GGGG                               |                     |                      | 131                     | 41                     |
| 2606-02022        | 00000/0000                   | 2-20032/1473                | 09/19/76         | 90             | 8441            | 2556N                        | 11415E        | 49.5         | 121.7        | GGGG                               |                     |                      | 131                     | 42                     |
| 2606-02025        | 00000/0000                   | 2-20032/1474                | 09/19/76         | 90             | 8441            | 2430N                        | 11352E        | 50.0         | 120.0        | GGGG                               |                     |                      | 131                     | 43                     |
| 2606-03372        | 00000/0000                   | 2-20034/0297                | 09/19/76         | 10             | 8442            | 5426N                        | 09849E        | 33.2         | 149.5        | GG G                               |                     |                      | 149                     | 22                     |
| 2606-03404        | 00000/0000                   | 2-20034/0298                | 09/19/76         | 10             | 8442            | 4306N                        | 09344E        | 40.8         | 139.6        | GGGG                               |                     |                      | 149                     | 30                     |
| 2606-05192        | 00000/0000                   | 2-20034/0299                | 09/19/76         | 100            | 8443            | 5837N                        | 07534E        | 30.0         | 153.2        | GGGG                               |                     |                      | 167                     | 19                     |
| 2606-05194        | 00000/0000                   | 2-20034/0300                | 09/19/76         | 100            | 8443            | 5714N                        | 07440E        | 31.1         | 152.0        | GGGG                               |                     |                      | 167                     | 20                     |
| 2606-05201        | 00000/0000                   | 2-20034/0301                | 09/19/76         | 90             | 8443            | 5550N                        | 07349E        | 32.1         | 150.7        | GGGG                               |                     |                      | 167                     | 21                     |
| 2606-05210        | 00000/0000                   | 2-20032/1525                | 09/19/76         | 10             | 8443            | 5301N                        | 07217E        | 34.1         | 148.2        | GGGG                               |                     |                      | 167                     | 23                     |
| 2606-05212        | 00000/0000                   | 2-20032/1526                | 09/19/76         | 20             | 8443            | 5137N                        | 07134E        | 35.1         | 147.0        | GGGG                               |                     |                      | 167                     | 24                     |
| 2606-05215        | 00000/0000                   | 2-20032/1527                | 09/19/76         | 10             | 8443            | 5012N                        | 07053E        | 36.1         | 145.8        | GGGG                               |                     |                      | 167                     | 25                     |
| 2606-07030        | 00000/0000                   | 2-20032/1574                | 09/19/76         | 20             | 8444            | 5717N                        | 04853E        | 31.0         | 152.0        | GG                                 |                     |                      | 185                     | 20                     |
| 2606-07032        | 00000/0000                   | 2-20032/1575                | 09/19/76         | 10             | 8444            | 5553N                        | 04802E        | 32.1         | 150.8        | GGGG                               |                     |                      | 185                     | 21                     |
| 2606-07035        | 00000/0000                   | 2-20032/1576                | 09/19/76         | 10             | 8444            | 5429N                        | 04715E        | 33.1         | 149.5        | GGFG                               |                     |                      | 185                     | 22                     |
| 2606-07041        | 00000/0000                   | 2-20032/1577                | 09/19/76         | 30             | 8444            | 5305N                        | 04629E        | 34.1         | 148.3        | GGGG                               |                     |                      | 185                     | 23                     |
| 2606-07044        | 00000/0000                   | 2-20032/1578                | 09/19/76         | 10             | 8444            | 5140N                        | 04547E        | 35.1         | 147.1        | GGGG                               |                     |                      | 185                     | 24                     |
| 2606-07050        | 00000/0000                   | 2-20032/1579                | 09/19/76         | 50             | 8444            | 5016N                        | 04506E        | 36.0         | 145.9        | FGGG                               |                     |                      | 185                     | 25                     |
| 2606-07053        | 00000/0000                   | 2-20032/1580                | 09/19/76         | 80             | 8444            | 4851N                        | 04428E        | 37.0         | 144.7        | GGGG                               |                     |                      | 185                     | 26                     |
| 2606-07055        | 00000/0000                   | 2-20032/1581                | 09/19/76         | 60             | 8444            | 4726N                        | 04351E        | 38.0         | 143.4        | GGGG                               |                     |                      | 185                     | 27                     |
| 2606-07062        | 00000/0000                   | 2-20032/1582                | 09/19/76         | 40             | 8444            | 4601N                        | 04315E        | 38.9         | 142.2        | GGGG                               |                     |                      | 185                     | 28                     |
| 2606-07064        | 00000/0000                   | 2-20032/1583                | 09/19/76         | 50             | 8444            | 4435N                        | 04242E        | 39.8         | 140.9        | FGGG                               |                     |                      | 185                     | 29                     |
| 2606-07071        | 00000/0000                   | 2-20032/1584                | 09/19/76         | 70             | 8444            | 4310N                        | 04210E        | 40.7         | 139.6        | GGGG                               |                     |                      | 185                     | 30                     |
| 2606-07073        | 00000/0000                   | 2-20032/1585                | 09/19/76         | 40             | 8444            | 4145N                        | 04139E        | 41.6         | 138.3        | GGGG                               |                     |                      | 185                     | 31                     |
| 2606-07171        | 00000/0000                   | 2-20032/1586                | 09/19/76         | 90             | 8444            | 0840N                        | 03232E        | 52.9         | 99.2         | GGGG                               |                     |                      | 185                     | 54                     |
| 2606-08452        | 00000/0000                   | 2-20032/1528                | 09/19/76         | 10             | 8445            | 6002N                        | 02455E        | 28.9         | 154.6        | FGGG                               |                     |                      | 203                     | 12                     |
| 2606-08455        | 00000/0000                   | 2-20032/1529                | 09/19/76         | 0              | 8445            | 5839N                        | 02357E        | 30.0         | 153.3        | GGGG                               |                     |                      | 203                     | 19                     |
| 2606-08461        | 00000/0000                   | 2-20032/1530                | 09/19/76         | 0              | 8445            | 5716N                        | 02302E        | 31.0         | 152.0        | GGGG                               |                     |                      | 203                     | 20                     |
| 2606-08464        | 00000/0000                   | 2-20032/1531                | 09/19/76         | 10             | 8445            | 5552N                        | 02212E        | 32.0         | 150.8        | GGGG                               |                     |                      | 203                     | 21                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------------------------|------------------|-----------------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2606-08470        | 00000/0000 2-20032/1532                            | 09/19/76         | 50                    | 8445            | 5428N                                   | 02124E       | 33.0         | 149.5                              |                     |                      |                         |                        |
| 2606-12352        | 00000/0000 2-20032/1533                            | 09/19/76         | 90                    | 8447            | 2011S                                   | 05140W       | 44.2         | 66.9                               | GGGG                |                      | 203                     | 22                     |
| 2606-12361        | 00000/0000 2-20032/1534                            | 09/19/76         | 10                    | 8447            | 2302S                                   | 05225W       | 42.6         | 64.8                               | GGGG                |                      | 239                     | 74                     |
| 2606-12363        | 00000/0000 2-20032/1535                            | 09/19/76         | 10                    | 8447            | 2428S                                   | 05247W       | 41.8         | 63.8                               | GGGG                |                      | 239                     | 76                     |
| 2606-12370        | 00000/0000 2-20032/1536                            | 09/19/76         | 10                    | 8447            | 2555S                                   | 05310W       | 40.9         | 62.9                               | FFGF                |                      | 239                     | 77                     |
| 2606-12372        | 00000/0000 2-20032/1537                            | 09/19/76         | 0                     | 8447            | 2720S                                   | 05333W       | 40.0         | 62.1                               | FGGG                |                      | 239                     | 78                     |
| 2606-12375        | 00000/0000 2-20032/1538                            | 09/19/76         | 0                     | 8447            | 2846S                                   | 05356W       | 39.1         | 61.3                               | GGGG                |                      | 239                     | 79                     |
| 2606-12381        | 00000/0000 2-20032/1539                            | 09/19/76         | 10                    | 8447            | 3012S                                   | 05420W       | 38.2         | 60.5                               | PPP                 |                      | 239                     | 80                     |
| 2606-13563        | 00000/0000 2-20032/1499                            | 09/19/76         | 90                    | 8448            | 5551N                                   | 05516W       | 32.0         | 150.8                              | FGGG                |                      | 239                     | 81                     |
| 2606-13565        | 00000/0000 2-20032/1500                            | 09/19/76         | 90                    | 8448            | 5427N                                   | 05604W       | 33.0         | 149.6                              | F FF                |                      | 6                       | 21                     |
| 2606-15412        | 00000/0000 2-20032/1501                            | 09/19/76         | 90                    | 8449            | 5015N                                   | 08402W       | 35.9         | 145.9                              | FFGG                |                      | 6                       | 22                     |
| 2606-17150        | 2-20033/0205 00000/0000                            | 09/19/76         | 80                    | 8450            | 7930N                                   | 06010W       | 11.1         | 200.6                              | GGGG                |                      | 24                      | 25                     |
| 2606-17153        | 2-20033/0206 00000/0000                            | 09/19/76         | 90                    | 8450            | 7840N                                   | 06435W       | 12.3         | 194.2                              | G                   |                      | 41                      | 2                      |
| 2606-17155        | 2-20033/0207 00000/0000                            | 09/19/76         | 90                    | 8450            | 7744N                                   | 07209W       | 13.4         | 188.7                              | GG                  |                      | 42                      | 3                      |
| 2606-17232        | 00000/0000 2-20032/1587                            | 09/19/76         | 10                    | 8450            | 5427N                                   | 10741W       | 32.9         | 149.6                              | GGG                 |                      | 42                      | 4                      |
| 2606-17235        | 00000/0000 2-20032/1588                            | 09/19/76         | 10                    | 8450            | 5303N                                   | 10827W       | 33.9         | 148.4                              | GGGG                |                      | 42                      | 22                     |
| 2606-17241        | 00000/0000 2-20032/1589                            | 09/19/76         | 0                     | 8450            | 5139N                                   | 10909W       | 34.9         | 147.2                              | GGGG                |                      | 42                      | 23                     |
| 2606-17244        | 00000/0000 2-20032/1590                            | 09/19/76         | 0                     | 8450            | 5014N                                   | 10949W       | 35.9         | 146.0                              | GGGG                |                      | 42                      | 24                     |
| 2606-17303        | 00000/0000 2-20032/1591                            | 09/19/76         | 90                    | 8450            | 3017N                                   | 11653W       | 47.6         | 127.0                              | GGGG                |                      | 42                      | 25                     |
| 2606-18573        | 2-20033/0208 00000/0000                            | 09/19/76         | 80                    | 8451            | 8041N                                   | 07054W       | 8.8          | 215.7                              | GGG                 |                      | 41                      | 248                    |
| 2606-18580        | 2-20033/0209 00000/0000                            | 09/19/76         | 80                    | 8451            | 8009N                                   | 07909W       | 10.0         | 207.5                              | GGG                 |                      | 60                      | 1                      |
| 2606-20443        | 00000/0000 2-20032/1524                            | 09/19/76         | 90                    | 8452            | 7201N                                   | 14145W       | 19.0         | 170.7                              | GGG                 |                      | 78                      | 9                      |
| 2606-22570        | 00000/0000 2-20034/0302                            | 09/19/76         | 10                    | 8453            | 2719S                                   | 15133E       | 40.2         | 62.2                               | GG                  |                      | 96                      | 79                     |
| 2606-22572        | 00000/0000 2-20034/0303                            | 09/19/76         | 10                    | 8453            | 2844S                                   | 15109E       | 39.3         | 61.4                               | GGGG                |                      | 96                      | 80                     |
| 2606-22575        | 00000/0000 2-20034/0304                            | 09/19/76         | 40                    | 8453            | 3010S                                   | 15044E       | 38.3         | 60.7                               | GGGG                |                      | 98                      | 81                     |
| 2606-22581        | 00000/0000 2-20034/0305                            | 09/19/76         | 50                    | 8453            | 3136S                                   | 15019E       | 37.4         | 60.0                               | GGGG                |                      | 96                      | 82                     |
| 2606-22584        | 00000/0000 2-20034/0306                            | 09/19/76         | 50                    | 8453            | 3301S                                   | 14954E       | 36.5         | 59.3                               | GGGG                |                      | 96                      | 83                     |
| 2607-02010        | 00000/0000 2-20032/1415                            | 09/20/76         | 20                    | 8455            | 5014N                                   | 12105E       | 35.8         | 146.1                              | GGGG                |                      | 132                     | 25                     |
| 2607-02012        | 00000/0000 2-20032/1416                            | 09/20/76         | 20                    | 8455            | 4849N                                   | 12027E       | 36.8         | 144.9                              | GGGG                |                      | 132                     | 26                     |
| 2607-02015        | 00000/0000 2-20032/1417                            | 09/20/76         | 40                    | 8455            | 4724N                                   | 11950E       | 37.7         | 143.6                              | GGGG                |                      | 132                     | 27                     |
| 2607-02021        | 00000/0000 2-20032/1418                            | 09/20/76         | 50                    | 8455            | 4559N                                   | 11914E       | 38.6         | 142.4                              | GGGG                |                      | 132                     | 28                     |
| 2607-02024        | 00000/0000 2-20032/1419                            | 09/20/76         | 60                    | 8455            | 4434N                                   | 11841E       | 39.6         | 141.2                              | GGGG                |                      | 132                     | 29                     |
| 2607-02030        | 00000/0000 2-20032/1420                            | 09/20/76         | 60                    | 8455            | 4308N                                   | 11808E       | 40.5         | 139.9                              | GGGG                |                      | 132                     | 30                     |
| 2607-02033        | 00000/0000 2-20032/1421                            | 09/20/76         | 50                    | 8455            | 4143N                                   | 11737E       | 41.3         | 138.6                              | GGGG                |                      | 132                     | 31                     |
| 2607-02035        | 00000/0000 2-20032/1422                            | 09/20/76         | 20                    | 8455            | 4017N                                   | 11708E       | 42.2         | 137.3                              | GGGG                |                      | 132                     | 32                     |
| 2607-02042        | 00000/0000 2-20032/1423                            | 09/20/76         | 10                    | 8455            | 3851N                                   | 11639E       | 43.0         | 135.9                              | GGGG                |                      | 132                     | 33                     |

## KEYS:

CLCUD COVER \* ..... 0 TO 100 \* % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLCUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2607-02044        | 00000/0000                   | 2-20032/1424                | 09/20/76         | 10             | 8455            | 3726N                        | 11611E        | 43.8         | 134.6        | GGGG                               |                     |                      | 132                     | 34                     |
| 2607-02051        | 00000/0000                   | 2-20032/1425                | 09/20/76         | 0              | 8455            | 3601N                        | 11543E        | 44.6         | 133.2        | GGGG                               |                     |                      | 132                     | 35                     |
| 2607-02053        | 00000/0000                   | 2-20032/1426                | 09/20/76         | 10             | 8455            | 3435N                        | 11517E        | 45.4         | 131.7        | GGGG                               |                     |                      | 132                     | 36                     |
| 2607-02060        | 00000/0000                   | 2-20032/1427                | 09/20/76         | 30             | 8455            | 3309N                        | 11450E        | 46.1         | 130.2        | GGGF                               |                     |                      | 132                     | 37                     |
| 2607-02062        | 00000/0000                   | 2-20032/1428                | 09/20/76         | 80             | 8455            | 3143N                        | 11425E        | 46.8         | 128.7        | GGGF                               |                     |                      | 132                     | 38                     |
| 2607-03462        | 00000/0000                   | 2-20032/1429                | 09/20/76         | 30             | 8456            | 4308N                        | 09220E        | 40.4         | 139.9        | GGGF                               |                     |                      | 150                     | 30                     |
| 2607-07084        | 00000/0000                   | 2-20032/1593                | 09/20/76         | 10             | 8458            | 5714N                        | 04726E        | 30.7         | 152.2        | GGGG                               |                     |                      | 186                     | 20                     |
| 2607-07091        | 00000/0000                   | 2-20032/1653                | 09/20/76         | 0              | 8458            | 5550N                        | 04634E        | 31.7         | 151.0        | GGGG                               |                     |                      | 186                     | 21                     |
| 2607-07093        | 00000/0000                   | 2-20032/1654                | 09/20/76         | 10             | 8458            | 5427N                        | 04546E        | 32.7         | 149.7        | GGGG                               |                     |                      | 186                     | 22                     |
| 2607-07100        | 00000/0000                   | 2-20032/1655                | 09/20/76         | 0              | 8458            | 5303N                        | 04502E        | 33.8         | 148.5        | GGGG                               |                     |                      | 186                     | 23                     |
| 2607-07102        | 00000/0000                   | 2-20032/1656                | 09/20/76         | 0              | 8458            | 5138N                        | 04419E        | 34.7         | 147.3        | GGGG                               |                     |                      | 186                     | 24                     |
| 2607-07105        | 00000/0000                   | 2-20032/1657                | 09/20/76         | 20             | 8458            | 5014N                        | 04339E        | 35.7         | 146.1        | GGGG                               |                     |                      | 186                     | 25                     |
| 2607-07111        | 00000/0000                   | 2-20032/1658                | 09/20/76         | 30             | 8458            | 4849N                        | 04300E        | 36.7         | 144.9        | GGGG                               |                     |                      | 186                     | 26                     |
| 2607-07114        | 00000/0000                   | 2-20032/1659                | 09/20/76         | 60             | 8458            | 4724N                        | 04223E        | 37.6         | 143.7        | GGGG                               |                     |                      | 186                     | 27                     |
| 2607-07120        | 00000/0000                   | 2-20032/1660                | 09/20/76         | 90             | 8458            | 4558N                        | 04148E        | 38.6         | 142.5        | GGGG                               |                     |                      | 186                     | 28                     |
| 2607-07123        | 00000/0000                   | 2-20032/1661                | 09/20/76         | 90             | 8458            | 4433N                        | 04114E        | 39.5         | 141.2        | GGGG                               |                     |                      | 186                     | 29                     |
| 2607-07141        | 00000/0000                   | 2-20032/1662                | 09/20/76         | 10             | 8458            | 3851N                        | 03911E        | 43.0         | 136.0        | GGGG                               |                     |                      | 186                     | 33                     |
| 2607-07143        | 00000/0000                   | 2-20032/1663                | 09/20/76         | 20             | 8458            | 3725N                        | 03843E        | 43.8         | 134.6        | GGGG                               |                     |                      | 186                     | 34                     |
| 2607-07150        | 00000/0000                   | 2-20032/1664                | 09/20/76         | 10             | 8458            | 3600N                        | 03815E        | 44.6         | 133.2        | GGGG                               |                     |                      | 186                     | 35                     |
| 2607-07234        | 00000/0000                   | 2-20032/1665                | 09/20/76         | 50             | 8458            | 0545N                        | 03025E        | 52.8         | 95.9         | GGGG                               |                     |                      | 186                     | 54                     |
| 2607-08525        | 00000/0000                   | 2-20032/1592                | 09/20/76         | 0              | 8459            | 5426N                        | 01956E        | 32.7         | 149.7        | G GG                               |                     |                      | 204                     | 22                     |
| 2607-12403        | 00000/0000                   | 2-20032/1594                | 09/20/76         | 80             | 8461            | 1846S                        | 05246W        | 45.3         | 68.4         | FG G                               |                     |                      | 240                     | 73                     |
| 2607-12410        | 00000/0000                   | 2-20032/1595                | 09/20/76         | 50             | 8461            | 2012S                        | 05307W        | 44.5         | 67.3         | GGFF                               |                     |                      | 240                     | 74                     |
| 2607-12412        | 00000/0000                   | 2-20032/1596                | 09/20/76         | 40             | 8461            | 2138S                        | 05329W        | 43.7         | 66.2         | FGFF                               |                     |                      | 240                     | 75                     |
| 2607-12415        | 00000/0000                   | 2-20032/1597                | 09/20/76         | 40             | 8461            | 2304S                        | 05351W        | 42.9         | 65.2         | FFFF                               |                     |                      | 240                     | 76                     |
| 2607-12421        | 00000/0000                   | 2-20032/1598                | 09/20/76         | 30             | 8461            | 2430S                        | 05413W        | 42.0         | 64.2         | GGGG                               |                     |                      | 240                     | 77                     |
| 2607-12424        | 00000/0000                   | 2-20032/1599                | 09/20/76         | 20             | 8461            | 2556S                        | 05436W        | 41.2         | 63.3         | FPPP                               |                     |                      | 240                     | 78                     |
| 2607-12430        | 00000/0000                   | 2-20032/1600                | 09/20/76         | 40             | 8461            | 2722S                        | 05500W        | 40.3         | 62.4         | FPPP                               |                     |                      | 240                     | 79                     |
| 2607-12433        | 00000/0000                   | 2-20032/1601                | 09/20/76         | 10             | 8461            | 2847S                        | 05524W        | 39.4         | 61.6         | GGGG                               |                     |                      | 240                     | 80                     |
| 2607-14014        | 00000/0000                   | 2-20032/1520                | 09/20/76         | 90             | 8462            | 5713N                        | 05551W        | 30.6         | 152.2        | GGGG                               |                     |                      | 7                       | 20                     |
| 2607-14021        | 00000/0000                   | 2-20032/1521                | 09/20/76         | 90             | 8462            | 5549N                        | 05443W        | 31.6         | 151.0        | GGGG                               |                     |                      | 7                       | 21                     |
| 2607-14023        | 00000/0000                   | 2-20032/1522                | 09/20/76         | 90             | 8462            | 5425N                        | 05732W        | 32.7         | 149.8        | GGGG                               |                     |                      | 7                       | 22                     |
| 2607-17200        | 2-20034/1195                 | 00000/0000                  | 09/20/76         | 80             | 8464            | 8040N                        | 04409W        | 8.4          | 215.9        | FFF                                |                     |                      | 24                      | 248                    |
| 2607-17205        | 2-20034/1196                 | 00000/0000                  | 09/20/76         | 90             | 8464            | 7928N                        | 06148W        | 10.7         | 200.5        | FGG                                |                     |                      | 43                      | 2                      |
| 2607-17211        | 2-20034/1197                 | 00000/0000                  | 09/20/76         | 90             | 8464            | 7838N                        | 06R14W        | 11.9         | 194.1        | GGG                                |                     |                      | 43                      | 3                      |
| 2607-17214        | 2-20034/1198                 | 00000/0000                  | 09/20/76         | 60             | 8464            | 7742N                        | 07343W        | 13.0         | 188.7        | GGG                                |                     |                      | 43                      | 4                      |

KEYS: CLCUD COVER % ..... 0 TO 100 = % CLCUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REV | ROLL NR./<br>IN R911<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>REV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2607-17291        | 00000/0000                   | 2-20032/1628                | 09/20/76         | 0              | 8464            | 5426N                              | 10907W        | 32.6         | 149.8        | F GG                               |                     |                      | 43                      | 22                     |
| 2607-17293        | 00000/0000                   | 2-20032/1629                | 09/20/76         | 0              | 8464            | 5302N                              | 10951W        | 33.6         | 148.6        | GGGG                               |                     |                      | 43                      | 23                     |
| 2607-17300        | 00000/0000                   | 2-20032/1630                | 09/20/76         | 10             | 8464            | 5137N                              | 11034W        | 34.6         | 147.4        | GGGG                               |                     |                      | 43                      | 24                     |
| 2607-17302        | 00000/0000                   | 2-20032/1631                | 09/20/76         | 0              | 8464            | 5012N                              | 11114W        | 35.6         | 146.2        | GGGG                               |                     |                      | 43                      | 25                     |
| 2607-23015        | 00000/0000                   | 2-20032/1540                | 09/20/76         | 80             | 8467            | 2428S                              | 15051E        | 42.2         | 64.4         | GGGG                               |                     |                      | 97                      | 77                     |
| 2607-23021        | 00000/0000                   | 2-20032/1541                | 09/20/76         | 50             | 8467            | 2554S                              | 15029E        | 41.3         | 63.4         | GGGG                               |                     |                      | 97                      | 78                     |
| 2607-23024        | 00000/0000                   | 2-20032/1542                | 09/20/76         | 20             | 8467            | 2720S                              | 15005E        | 40.5         | 62.6         | GGGG                               |                     |                      | 97                      | 79                     |
| 2608-02085        | 00000/0000                   | 2-20032/1543                | 09/21/76         | 20             | 8469            | 4307N                              | 11643E        | 40.2         | 140.2        | GGGG                               |                     |                      | 133                     | 30                     |
| 2608-02091        | 00000/0000                   | 2-20032/1544                | 09/21/76         | 20             | 8469            | 4141N                              | 11612E        | 41.1         | 138.9        | GGGG                               |                     |                      | 133                     | 31                     |
| 2608-02105        | 00000/0000                   | 2-20032/1545                | 09/21/76         | 10             | 8469            | 3559N                              | 11417E        | 44.4         | 133.5        | GGGG                               |                     |                      | 133                     | 35                     |
| 2608-02112        | 00000/0000                   | 2-20032/1546                | 09/21/76         | 30             | 8469            | 3433N                              | 11350E        | 45.1         | 132.1        | GGGG                               |                     |                      | 133                     | 36                     |
| 2608-02114        | 00000/0000                   | 2-20032/1547                | 09/21/76         | 20             | 8469            | 3307N                              | 11323E        | 45.9         | 130.7        | GGG                                |                     |                      | 133                     | 37                     |
| 2608-02121        | 00000/0000                   | 2-20032/1548                | 09/21/76         | 80             | 8469            | 3141N                              | 11258E        | 46.6         | 129.2        | GGGG                               |                     |                      | 133                     | 38                     |
| 2608-02123        | 00000/0000                   | 2-20032/1549                | 09/21/76         | 80             | 8469            | 3014N                              | 11234E        | 47.3         | 127.6        | GGGG                               |                     |                      | 133                     | 39                     |
| 2608-03473        | 00000/0000                   | 2-20032/1562                | 09/21/76         | 10             | 8470            | 5837N                              | 09831E        | 29.4         | 153.6        | GGGG                               |                     |                      | 151                     | 19                     |
| 2608-03475        | 00000/0000                   | 2-20032/1563                | 09/21/76         | 20             | 8470            | 5713N                              | 09737E        | 30.4         | 152.4        | GGGG                               |                     |                      | 151                     | 20                     |
| 2608-03482        | 00000/0000                   | 2-20032/1564                | 09/21/76         | 10             | 8470            | 5550N                              | 09646E        | 31.4         | 151.1        | GGGG                               |                     |                      | 151                     | 21                     |
| 2608-05304        | 00000/0000                   | 2-20032/1565                | 09/21/76         | 90             | 8471            | 5836N                              | 07241E        | 29.3         | 153.6        | GGGG                               |                     |                      | 169                     | 19                     |
| 2608-05311        | 00000/0000                   | 2-20032/1566                | 09/21/76         | 90             | 8471            | 5713N                              | 07147E        | 30.4         | 152.4        | GGGG                               |                     |                      | 169                     | 20                     |
| 2608-05313        | 00000/0000                   | 2-20032/1567                | 09/21/76         | 90             | 8471            | 5549N                              | 07056E        | 31.4         | 151.1        | GGGG                               |                     |                      | 169                     | 21                     |
| 2608-05320        | 00000/0000                   | 2-20032/1568                | 09/21/76         | 60             | 8471            | 5425N                              | 07008E        | 32.4         | 149.9        | GGGG                               |                     |                      | 169                     | 22                     |
| 2608-05322        | 00000/0000                   | 2-20032/1569                | 09/21/76         | 80             | 8471            | 5301N                              | 06923E        | 33.4         | 148.7        | GGGG                               |                     |                      | 169                     | 23                     |
| 2608-05325        | 00000/0000                   | 2-20032/1570                | 09/21/76         | 20             | 8471            | 5136N                              | 06841E        | 34.4         | 147.5        | GGGG                               |                     |                      | 169                     | 24                     |
| 2608-05331        | 00000/0000                   | 2-20032/1550                | 09/21/76         | 30             | 8471            | 5012N                              | 06800E        | 35.4         | 146.3        | GGGG                               |                     |                      | 169                     | 25                     |
| 2608-07142        | 00000/0000                   | 2-20032/1551                | 09/21/76         | 10             | 8472            | 5712N                              | 04559E        | 30.4         | 152.4        | GGGG                               |                     |                      | 187                     | 20                     |
| 2608-07145        | 00000/0000                   | 2-20032/1552                | 09/21/76         | 0              | 8472            | 5549N                              | 04508E        | 31.4         | 151.1        | GGGG                               |                     |                      | 187                     | 21                     |
| 2608-07151        | 00000/0000                   | 2-20032/1553                | 09/21/76         | 0              | 8472            | 5425N                              | 04420E        | 32.4         | 149.9        | GGGG                               |                     |                      | 187                     | 22                     |
| 2608-07154        | 00000/0000                   | 2-20032/1554                | 09/21/76         | 0              | 8472            | 5300N                              | 04334E        | 33.4         | 148.7        | GGGG                               |                     |                      | 187                     | 23                     |
| 2608-07160        | 00000/0000                   | 2-20032/1555                | 09/21/76         | 0              | 8472            | 5136N                              | 04252E        | 34.4         | 147.5        | GGGG                               |                     |                      | 187                     | 24                     |
| 2608-07163        | 00000/0000                   | 2-20032/1556                | 09/21/76         | 10             | 8472            | 5012N                              | 04212E        | 35.4         | 146.3        | GGGG                               |                     |                      | 187                     | 25                     |
| 2608-07165        | 00000/0000                   | 2-20032/1557                | 09/21/76         | 90             | 8472            | 4847N                              | 04134E        | 36.4         | 145.2        | GGGG                               |                     |                      | 187                     | 26                     |
| 2608-07172        | 00000/0000                   | 2-20032/1558                | 09/21/76         | 90             | 8472            | 4722N                              | 04057E        | 37.3         | 144.0        | GGGG                               |                     |                      | 187                     | 27                     |
| 2608-07174        | 00000/0000                   | 2-20032/1559                | 09/21/76         | 100            | 8472            | 4557N                              | 04022E        | 38.3         | 142.7        | GGGG                               |                     |                      | 187                     | 28                     |
| 2608-07281        | 00000/0000                   | 2-20032/1560                | 09/21/76         | 80             | 8472            | 1003N                              | 02959E        | 52.8         | 102.4        | GGGG                               |                     |                      | 187                     | 53                     |
| 2608-12491        | 00000/0000                   | 2-20032/1571                | 09/21/76         | 10             | 8475            | 2846S                              | 05648W        | 39.7         | 61.9         | FFFF                               |                     |                      | 241                     | 80                     |
| 2608-12494        | 00000/0000                   | 2-20032/1572                | 09/21/76         | 10             | 8475            | 3011S                              | 05712W        | 38.8         | 61.1         | FFFF                               |                     |                      | 241                     | 81                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN RSLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>POINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|---------------------------------------|----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2608-12500        | 00000/0000                   | 2-20032/1573                | 09/21/76         | 10             | 8475            | 3136S                                 | 05737W                                 | 37.9         | 60.4         | FFFF                               |                     |                      | 241                     | 82                     |
| 2608-14073        | 00000/0000                   | 2-20032/1411                | 09/21/76         | 100            | 8476            | 5714N                                 | 05717W                                 | 30.2         | 152.5        | GGGG                               |                     |                      | 8                       | 20                     |
| 2608-14075        | 00000/0000                   | 2-20032/1412                | 09/21/76         | 100            | 8476            | 5551N                                 | 05808W                                 | 31.3         | 151.2        | GGGG                               |                     |                      | 8                       | 21                     |
| 2608-14082        | 00000/0000                   | 2-20032/1413                | 09/21/76         | 100            | 8476            | 5427N                                 | 05855W                                 | 32.3         | 150.0        | GGGG                               |                     |                      | 8                       | 22                     |
| 2608-15525        | 00000/0000                   | 2-20032/1414                | 09/21/76         | 90             | 8477            | 5014N                                 | 08654W                                 | 35.3         | 146.5        | GGGG                               |                     |                      | 26                      | 25                     |
| 2608-16004        | 00000/0000                   | 2-20032/1432                | 09/21/76         | 80             | 8477            | 2304N                                 | 09554W                                 | 50.1         | 119.7        | GGGG                               |                     |                      | 26                      | 44                     |
| 2608-16011        | 00000/0000                   | 2-20032/1633                | 09/21/76         | 80             | 8477            | 2137N                                 | 09617W                                 | 50.6         | 117.9        | GGGG                               |                     |                      | 26                      | 45                     |
| 2608-16013        | 00000/0000                   | 2-20032/1634                | 09/21/76         | 50             | 8477            | 2010N                                 | 09639W                                 | 51.0         | 116.1        | GGGG                               |                     |                      | 26                      | 46                     |
| 2608-17254        | 2-20034/1199                 | 00000/0000                  | 09/21/76         | 80             | 8478            | 8040N                                 | 04750W                                 | 8.1          | 215.8        | GGG                                |                     |                      | 25                      | 248                    |
| 2608-17261        | 2-20034/1200                 | 00000/0000                  | 09/21/76         | 90             | 8478            | 8009N                                 | 05607W                                 | 9.2          | 207.6        | G                                  |                     |                      | 44                      | 1                      |
| 2608-17263        | 2-20034/1201                 | 00000/0000                  | 09/21/76         | 60             | 8478            | 7928N                                 | 06327W                                 | 10.4         | 200.4        | GGG                                |                     |                      | 44                      | 2                      |
| 2608-17272        | 2-20034/1202                 | 00000/0000                  | 09/21/76         | 10             | 8478            | 7741N                                 | 07521W                                 | 12.7         | 188.6        | GGG                                |                     |                      | 44                      | 4                      |
| 2608-17342        | 00000/0000                   | 2-20032/1602                | 09/21/76         | 0              | 8478            | 5550N                                 | 10944W                                 | 31.2         | 151.3        | GGGG                               |                     |                      | 44                      | 21                     |
| 2608-17345        | 00000/0000                   | 2-20032/1603                | 09/21/76         | 0              | 8478            | 5426N                                 | 11032W                                 | 32.2         | 150.0        | GGGG                               |                     |                      | 44                      | 22                     |
| 2608-17351        | 00000/0000                   | 2-20032/1604                | 09/21/76         | 0              | 8478            | 5302N                                 | 11117W                                 | 33.3         | 148.8        | GGGG                               |                     |                      | 44                      | 23                     |
| 2608-17354        | 00000/0000                   | 2-20032/1605                | 09/21/76         | 0              | 8478            | 5137N                                 | 11200W                                 | 34.3         | 147.7        | GGGG                               |                     |                      | 44                      | 24                     |
| 2608-17360        | 00000/0000                   | 2-20032/1606                | 09/21/76         | 0              | 8478            | 5013N                                 | 11240W                                 | 35.3         | 146.5        | GGGG                               |                     |                      | 44                      | 25                     |
| 2608-19090        | 2-20034/1203                 | 00000/0000                  | 09/21/76         | 10             | 8479            | 8041N                                 | 07322W                                 | 8.0          | 216.1        | GGG                                |                     |                      | 43                      | 248                    |
| 2608-19092        | 2-20034/1204                 | 00000/0000                  | 09/21/76         | 10             | 8479            | 8011N                                 | 08140W                                 | 9.2          | 207.9        | GGG                                |                     |                      | 61                      | 1                      |
| 2608-20560        | 00000/0000                   | 2-20032/1561                | 09/21/76         | 10             | 8480            | 7200N                                 | 14432W                                 | 18.2         | 170.9        | GGGG                               |                     |                      | 80                      | 9                      |
| 2608-23080        | 00000/0000                   | 2-20032/1639                | 09/21/76         | 70             | 8481            | 2545S                                 | 14903E                                 | 41.6         | 63.8         | GGGG                               |                     |                      | 98                      | 78                     |
| 2608-23082        | 00000/0000                   | 2-20032/1640                | 09/21/76         | 30             | 8481            | 2721S                                 | 14840E                                 | 40.7         | 62.9         | FGGG                               |                     |                      | 98                      | 79                     |
| 2608-23085        | 00000/0000                   | 2-20032/1641                | 09/21/76         | 10             | 8481            | 2847S                                 | 14817E                                 | 39.9         | 62.0         | FGGG                               |                     |                      | 98                      | 80                     |
| 2608-23091        | 00000/0000                   | 2-20032/1642                | 09/21/76         | 0              | 8481            | 3012S                                 | 14752E                                 | 38.9         | 61.3         | GGGG                               |                     |                      | 98                      | 81                     |
| 2608-23094        | 00000/0000                   | 2-20032/1643                | 09/21/76         | 30             | 8481            | 3138S                                 | 14728E                                 | 38.0         | 60.5         | GGGG                               |                     |                      | 98                      | 82                     |
| 2608-23100        | 00000/0000                   | 2-20032/1644                | 09/21/76         | 80             | 8481            | 3304S                                 | 14702E                                 | 37.1         | 59.8         | GGGG                               |                     |                      | 98                      | 83                     |
| 2608-23103        | 00000/0000                   | 2-20032/1645                | 09/21/76         | 90             | 8481            | 3429S                                 | 14636E                                 | 36.1         | 59.2         | GGGG                               |                     |                      | 98                      | 84                     |
| 2608-23105        | 00000/0000                   | 2-20032/1646                | 09/21/76         | 90             | 8481            | 3554S                                 | 14609E                                 | 35.1         | 58.6         | GGGG                               |                     |                      | 98                      | 85                     |
| 2609-00525        | 00000/0000                   | 2-20032/1647                | 09/22/76         | 0              | 8482            | 3140S                                 | 12137E                                 | 38.0         | 60.5         | GGGG                               |                     |                      | 116                     | 82                     |
| 2609-00532        | 00000/0000                   | 2-20032/1648                | 09/22/76         | 0              | 8482            | 3305S                                 | 12112E                                 | 37.1         | 59.9         | FGGG                               |                     |                      | 116                     | 83                     |
| 2609-02145        | 00000/0000                   | 2-20032/1649                | 09/22/76         | 10             | 8483            | 4139N                                 | 11443E                                 | 40.8         | 139.2        | GGGG                               |                     |                      | 134                     | 31                     |
| 2609-02152        | 00000/0000                   | 2-20032/1650                | 09/22/76         | 10             | 8483            | 4013N                                 | 11413E                                 | 41.6         | 138.0        | GGGG                               |                     |                      | 134                     | 32                     |
| 2609-02154        | 00000/0000                   | 2-20032/1651                | 09/22/76         | 10             | 8483            | 3847N                                 | 11345E                                 | 42.5         | 136.6        | GGGG                               |                     |                      | 134                     | 33                     |
| 2609-02161        | 00000/0000                   | 2-20032/1652                | 09/22/76         | 10             | 8483            | 3722N                                 | 11317E                                 | 43.3         | 135.3        | GGGG                               |                     |                      | 134                     | 34                     |
| 2609-02163        | 00000/0000                   | 2-20032/1653                | 09/22/76         | 10             | 8483            | 3556N                                 | 11250E                                 | 44.1         | 133.9        | G GG                               |                     |                      | 134                     | 35                     |
| 2609-02170        | 00000/0000                   | 2-20032/1656                | 09/22/76         | 30             | 8483            | 3430N                                 | 11223E                                 | 44.9         | 132.5        | G GG                               |                     |                      | 134                     | 36                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RAW MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2609-02172        | 00000/0000 2-20032/1637                        | 09/22/76         | 60             | 8483                   | 3304N                              | 11157E                              | 45.7         | 131.1        | G GG                  |                     |                      |                         |                        |
| 2609-02175        | 00000/0000 2-20032/1638                        | 09/22/76         | 80             | 8483                   | 3139N                              | 11131E                              | 46.4         | 129.6        | G GG                  |                     |                      | 134                     | 37                     |
| 2609-02181        | 00000/0000 2-20032/1611                        | 09/22/76         | 30             | 8483                   | 3013N                              | 11106E                              | 47.1         | 128.1        | G                     |                     |                      | 134                     | 38                     |
| 2609-03572        | 00000/0000 2-20032/1666                        | 09/22/76         | 20             | 8484                   | 4430N                              | 08958E                              | 39.0         | 141.8        | G                     |                     |                      | 134                     | 39                     |
| 2609-03574        | 00000/0000 2-20032/1667                        | 09/22/76         | 10             | 8484                   | 4305N                              | 08926E                              | 39.9         | 140.5        | GGGG                  |                     |                      | 152                     | 29                     |
| 2609-05424        | 00000/0000 2-20032/1668                        | 09/22/76         | 0              | 8485                   | 3722N                              | 06139E                              | 43.3         | 135.3        | GGGG                  |                     |                      | 152                     | 30                     |
| 2609-05431        | 00000/0000 2-20032/1778                        | 09/22/76         | 0              | 8485                   | 3556N                              | 06112E                              | 44.1         | 134.0        | GGGG                  |                     |                      | 170                     | 34                     |
| 2609-05433        | 00000/0000 2-20032/1779                        | 09/22/76         | 0              | 8485                   | 3430N                              | 06045E                              | 44.9         | 132.6        | GGGG                  |                     |                      | 170                     | 35                     |
| 2609-05440        | 00000/0000 2-20032/1780                        | 09/22/76         | 0              | 8485                   | 3304N                              | 06019E                              | 45.6         | 131.1        | GGGG                  |                     |                      | 170                     | 36                     |
| 2609-05442        | 00000/0000 2-20032/1781                        | 09/22/76         | 0              | 8485                   | 3137N                              | 05953E                              | 46.3         | 129.6        | GGGG                  |                     |                      | 170                     | 37                     |
| 2609-05445        | 00000/0000 2-20032/1782                        | 09/22/76         | 0              | 8485                   | 3012N                              | 05929E                              | 47.0         | 128.1        | GGGG                  |                     |                      | 170                     | 38                     |
| 2609-05451        | 00000/0000 2-20032/1783                        | 09/22/76         | 0              | 8485                   | 2846N                              | 05905E                              | 47.7         | 126.6        | FFFF                  |                     |                      | 170                     | 39                     |
| 2609-05454        | 00000/0000 2-20032/1784                        | 09/22/76         | 0              | 8485                   | 2719N                              | 05841E                              | 48.3         | 125.0        | GGGG                  |                     |                      | 170                     | 40                     |
| 2609-05460        | 00000/0000 2-20032/1785                        | 09/22/76         | 0              | 8485                   | 2553N                              | 05818E                              | 48.9         | 123.3        | GGGG                  |                     |                      | 170                     | 41                     |
| 2609-07201        | 00000/0000 2-20032/1612                        | 09/22/76         | 80             | 8486                   | 5714N                              | 04432E                              | 30.0         | 152.6        | GGGG                  |                     |                      | 170                     | 42                     |
| 2609-07203        | 00000/0000 2-20032/1613                        | 09/22/76         | 70             | 8486                   | 5550N                              | 04341E                              | 31.0         | 151.4        | GGGG                  |                     |                      | 188                     | 20                     |
| 2609-07210        | 00000/0000 2-20032/1614                        | 09/22/76         | 50             | 8486                   | 5426N                              | 04253E                              | 32.0         | 150.2        | GGGG                  |                     |                      | 188                     | 21                     |
| 2609-07212        | 00000/0000 2-20032/1615                        | 09/22/76         | 0              | 8486                   | 5302N                              | 04207E                              | 33.1         | 149.0        | GGGG                  |                     |                      | 188                     | 22                     |
| 2609-07215        | 00000/0000 2-20032/1616                        | 09/22/76         | 0              | 8486                   | 5138N                              | 04125E                              | 34.1         | 147.8        | GGGG                  |                     |                      | 188                     | 23                     |
| 2609-07221        | 00000/0000 2-20032/1617                        | 09/22/76         | 0              | 8486                   | 5013N                              | 04045E                              | 35.1         | 146.6        | GGGG                  |                     |                      | 188                     | 24                     |
| 2609-07224        | 00000/0000 2-20032/1618                        | 09/22/76         | 10             | 8486                   | 4848N                              | 04007E                              | 36.0         | 145.4        | GGGG                  |                     |                      | 188                     | 25                     |
| 2609-07230        | 00000/0000 2-20032/1619                        | 09/22/76         | 90             | 8486                   | 4723N                              | 03931E                              | 37.0         | 144.3        | GGGG                  |                     |                      | 188                     | 26                     |
| 2609-07233        | 00000/0000 2-20032/1620                        | 09/22/76         | 100            | 8486                   | 4558N                              | 03856E                              | 37.9         | 143.1        | GGGG                  |                     |                      | 188                     | 27                     |
| 2609-07235        | 00000/0000 2-20032/1621                        | 09/22/76         | 60             | 8486                   | 4433N                              | 03822E                              | 38.9         | 141.8        | GGGG                  |                     |                      | 188                     | 28                     |
| 2609-07333        | 00000/0000 2-20032/1622                        | 09/22/76         | 30             | 8486                   | 1171N                              | 02854E                              | 52.7         | 105.1        | GGGG                  |                     |                      | 188                     | 29                     |
| 2609-07335        | 00000/0000 2-20032/1623                        | 09/22/76         | 20             | 8486                   | 1004N                              | 02834E                              | 52.8         | 103.1        | GGGG                  |                     |                      | 188                     | 52                     |
| 2609-12554        | 00000/0000 2-20032/1786                        | 09/22/76         | 0              | 8489                   | 3138S                              | 05904W                              | 38.2         | 60.7         | FFFF                  |                     |                      | 188                     | 53                     |
| 2609-12561        | 00000/0000 2-20032/1787                        | 09/22/76         | 0              | 8489                   | 3303S                              | 05929W                              | 37.3         | 60.0         | GGGG                  |                     |                      | 242                     | 82                     |
| 2609-12563        | 00000/0000 2-20032/1788                        | 09/22/76         | 0              | 8489                   | 3479S                              | 05955W                              | 36.3         | 59.4         | FFFF                  |                     |                      | 242                     | 83                     |
| 2609-12570        | 00000/0000 2-20032/1789                        | 09/22/76         | 0              | 8489                   | 3555S                              | 06022W                              | 35.3         | 58.8         | FFFF                  |                     |                      | 242                     | 84                     |
| 2609-12572        | 00000/0000 2-20032/1790                        | 09/22/76         | 0              | 8489                   | 3720S                              | 06049W                              | 34.4         | 58.3         | GGGG                  |                     |                      | 242                     | 85                     |
| 2609-12575        | 00000/0000 2-20032/1791                        | 09/22/76         | 0              | 8489                   | 3844S                              | 06118W                              | 33.4         | 57.8         | GGGG                  |                     |                      | 242                     | 86                     |
| 2609-12581        | 00000/0000 2-20032/1792                        | 09/22/76         | 0              | 8489                   | 4009S                              | 06146W                              | 32.4         | 57.3         | GGGG                  |                     |                      | 242                     | 87                     |
| 2609-16063        | 00000/0000 2-20032/1624                        | 09/22/76         | 40             | 8491                   | 2301N                              | 09719W                              | 49.9         | 120.2        | GGG                   |                     |                      | 27                      | 88                     |
| 2609-16065        | 00000/0000 2-20032/1625                        | 09/22/76         | 40             | 8491                   | 2135N                              | 09742W                              | 50.4         | 118.4        | GGG                   |                     |                      | 27                      | 44                     |
| 2609-16072        | 00000/0000 2-20032/1626                        | 09/22/76         | 70             | 8491                   | 2010N                              | 09804W                              | 50.9         | 116.6        | GGG                   |                     |                      | 27                      | 45                     |
|                   |                                                |                  |                |                        |                                    |                                     |              |              | GGG                   |                     |                      | 27                      | 46                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MADE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2609-16074        | 00000/0000                                     | 2-20032/1627 | 09/22/76         | 40             | 8491            | 1843N                                   | 09425W       | 51.3         | 114.8                              | GGFG                |                      | 27                      | 47                     |
| 2609-17315        | 2-20034/1205                                   | 00000/0000   | 09/22/76         | 10             | 8492            | 8012N                                   | 05710W       | 8.8          | 208.1                              | GGG                 |                      | 44                      | 1                      |
| 2609-17321        | 2-20034/1206                                   | 00000/0000   | 09/22/76         | 20             | 8492            | 7531N                                   | 06432W       | 9.9          | 200.0                              | GGG                 |                      | 44                      | 2                      |
| 2609-17324        | 2-20034/1207                                   | 00000/0000   | 09/22/76         | 30             | 8492            | 7841N                                   | 07100W       | 11.1         | 194.5                              | GGG                 |                      | 45                      | 3                      |
| 2609-17330        | 2-20034/1208                                   | 00000/0000   | 09/22/76         | 90             | 8492            | 7745N                                   | 07632W       | 12.2         | 189.0                              | GGG                 |                      | 45                      | 4                      |
| 2609-17403        | 00000/0000                                     | 2-20032/1607 | 09/22/76         | 10             | 8492            | 5425N                                   | 11201W       | 31.9         | 150.2                              | GGGG                |                      | 45                      | 22                     |
| 2609-17410        | 00000/0000                                     | 2-20032/1608 | 09/22/76         | 10             | 8492            | 5300N                                   | 11246W       | 32.9         | 149.1                              | GGGG                |                      | 45                      | 23                     |
| 2609-17412        | 00000/0000                                     | 2-20032/1609 | 09/22/76         | 30             | 8492            | 5136N                                   | 11328W       | 33.9         | 147.9                              | GGGG                |                      | 45                      | 24                     |
| 2609-17415        | 00000/0000                                     | 2-20032/1610 | 09/22/76         | 30             | 8492            | 5011N                                   | 11408W       | 34.9         | 146.7                              | GGGG                |                      | 45                      | 25                     |
| 2609-19144        | 2-20034/1209                                   | 00000/0000   | 09/22/76         | 10             | 8493            | 8041N                                   | 07442W       | 7.6          | 216.3                              | GGG                 |                      | 44                      | 248                    |
| 2609-19150        | 2-20034/1210                                   | 00000/0000   | 09/22/76         | 10             | 8493            | 8011N                                   | 08258W       | 8.7          | 208.1                              | GGG                 |                      | 62                      | 1                      |
| 2609-20582        | 00000/0000                                     | 2-20032/1769 | 09/22/76         | 50             | 8494            | 8011N                                   | 10901W       | 8.7          | 208.0                              | FGG                 |                      | 80                      | 1                      |
| 2609-20584        | 00000/0000                                     | 2-20032/1770 | 09/22/76         | 80             | 8494            | 7931N                                   | 11621W       | 9.9          | 200.7                              | GGGG                |                      | 81                      | 2                      |
| 2609-20591        | 00000/0000                                     | 2-20032/1771 | 09/22/76         | 90             | 8494            | 7841N                                   | 12244W       | 11.0         | 194.4                              | GGGG                |                      | 81                      | 3                      |
| 2609-20593        | 00000/0000                                     | 2-20032/1772 | 09/22/76         | 60             | 8494            | 7744N                                   | 12814W       | 12.2         | 188.9                              | FGGG                |                      | 81                      | 4                      |
| 2609-21000        | 00000/0000                                     | 2-20032/1773 | 09/22/76         | 30             | 8494            | 7641N                                   | 13256W       | 13.3         | 184.2                              | GGGG                |                      | 81                      | 5                      |
| 2609-21002        | 00000/0000                                     | 2-20032/1774 | 09/22/76         | 40             | 8494            | 7536N                                   | 13656W       | 14.4         | 180.2                              | GGGG                |                      | 81                      | 6                      |
| 2609-21005        | 00000/0000                                     | 2-20032/1775 | 09/22/76         | 30             | 8494            | 7427N                                   | 14025W       | 15.6         | 176.7                              | GGGF                |                      | 81                      | 7                      |
| 2609-21011        | 00000/0000                                     | 2-20032/1776 | 09/22/76         | 30             | 8494            | 7314N                                   | 14327W       | 16.7         | 173.6                              | GGGG                |                      | 81                      | 8                      |
| 2609-21014        | 00000/0000                                     | 2-20032/1777 | 09/22/76         | 60             | 8494            | 7159N                                   | 14604W       | 17.8         | 170.9                              | GGGG                |                      | 81                      | 9                      |
| 2609-23125        | 00000/0000                                     | 2-20032/1669 | 09/22/76         | 10             | 8495            | 2306S                                   | 14822E       | 43.6         | 66.1                               | GGGG                |                      | 99                      | 76                     |
| 2609-23131        | 00000/0000                                     | 2-20032/1670 | 09/22/76         | 30             | 8495            | 2432S                                   | 14759E       | 42.7         | 65.1                               | GGGG                |                      | 99                      | 77                     |
| 2609-23154        | 00000/0000                                     | 2-20032/1671 | 09/22/76         | 100            | 8495            | 3305S                                   | 14535E       | 37.4         | 60.1                               | GGGG                |                      | 99                      | 83                     |
| 2609-23161        | 00000/0000                                     | 2-20032/1672 | 09/22/76         | 90             | 8495            | 3431S                                   | 14509E       | 36.4         | 59.5                               | GGGG                |                      | 99                      | 84                     |
| 2609-23163        | 00000/0000                                     | 2-20032/1673 | 09/22/76         | 80             | 8495            | 3557S                                   | 14442E       | 35.5         | 58.9                               | GGGG                |                      | 99                      | 85                     |
| 2610-00583        | 00000/0000                                     | 2-20032/1674 | 09/23/76         | 10             | 8496            | 3136S                                   | 12013E       | 38.4         | 60.9                               | GGFG                |                      | 117                     | 82                     |
| 2610-00590        | 00000/0000                                     | 2-20032/1675 | 09/23/76         | 20             | 8496            | 3302S                                   | 11947E       | 37.4         | 60.2                               | GGGG                |                      | 117                     | 83                     |
| 2610-00592        | 00000/0000                                     | 2-20032/1676 | 09/23/76         | 40             | 8496            | 3427S                                   | 11921E       | 36.5         | 59.5                               | GGGG                |                      | 117                     | 84                     |
| 2610-02204        | 00000/0000                                     | 2-20032/1677 | 09/23/76         | 10             | 8497            | 4142N                                   | 11319E       | 40.5         | 139.6                              | GGGG                |                      | 135                     | 31                     |
| 2610-02210        | 00000/0000                                     | 2-20032/1678 | 09/23/76         | 10             | 8497            | 4016N                                   | 11250E       | 41.3         | 138.3                              | FGGG                |                      | 135                     | 32                     |
| 2610-02213        | 00000/0000                                     | 2-20032/1679 | 09/23/76         | 10             | 8497            | 3850N                                   | 11221E       | 42.2         | 137.0                              | GGGG                |                      | 135                     | 33                     |
| 2610-02215        | 00000/0000                                     | 2-20032/1680 | 09/23/76         | 10             | 8497            | 3724N                                   | 11153E       | 43.0         | 135.7                              | GGFG                |                      | 135                     | 34                     |
| 2610-02222        | 00000/0000                                     | 2-20032/1681 | 09/23/76         | 10             | 8497            | 3557N                                   | 11125E       | 43.8         | 134.4                              | GGGG                |                      | 135                     | 35                     |
| 2610-02224        | 00000/0000                                     | 2-20032/1682 | 09/23/76         | 20             | 8497            | 3432N                                   | 11058E       | 44.6         | 133.0                              | GGGG                |                      | 135                     | 36                     |
| 2610-02231        | 00000/0000                                     | 2-20032/1683 | 09/23/76         | 30             | 8497            | 3307N                                   | 11032E       | 45.4         | 131.5                              | GGGG                |                      | 135                     | 37                     |
| 2610-02254        | 00000/0000                                     | 2-20032/1699 | 09/23/76         | 90             | 8497            | 2430N                                   | 10808E       | 49.3         | 122.1                              | GGG                 |                      | 135                     | 43                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN.<br>FLEV. | SUN.<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|---------------|---------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2610-03585        | 00000/0000 2-20032/1700                        | 09/23/76         | 90             | 8498            | 5840N                              | 09538E                              | 28.6          | 154.0         | GGGG                               |                     |                      | 153                     | 19                     |
| 2610-03592        | 00000/0000 2-20032/1701                        | 09/23/76         | 80             | 8498            | 5716N                              | 09444E                              | 29.6          | 152.8         | GGGG                               |                     |                      | 153                     | 20                     |
| 2610-03594        | 00000/0000 2-20032/1702                        | 09/23/76         | 90             | 8498            | 5552N                              | 09353E                              | 30.7          | 151.6         | FGGG                               |                     |                      | 153                     | 21                     |
| 2610-04001        | 00000/0000 2-20032/1703                        | 09/23/76         | 70             | 8498            | 5428N                              | 09305E                              | 31.7          | 150.4         | GGGG                               |                     |                      | 153                     | 22                     |
| 2610-04030        | 00000/0000 2-20032/1704                        | 09/23/76         | 40             | 8498            | 4434N                              | 08833E                              | 38.6          | 142.1         | GGGG                               |                     |                      | 153                     | 29                     |
| 2610-04033        | 00000/0000 2-20032/1705                        | 09/23/76         | 20             | 8498            | 4309N                              | 08800E                              | 39.5          | 140.9         | GGGG                               |                     |                      | 153                     | 30                     |
| 2610-04035        | 00000/0000 2-20032/1706                        | 09/23/76         | 10             | 8498            | 4144N                              | 08729E                              | 40.4          | 139.7         | GGGG                               |                     |                      | 153                     | 31                     |
| 2610-05421        | 00000/0000 2-20032/1707                        | 09/23/76         | 80             | 8499            | 5839N                              | 06950E                              | 28.6          | 154.0         | GGGG                               |                     |                      | 171                     | 19                     |
| 2610-05423        | 00000/0000 2-20032/1708                        | 09/23/76         | 70             | 8499            | 5716N                              | 06856E                              | 29.6          | 152.8         | GGGG                               |                     |                      | 171                     | 20                     |
| 2610-05430        | 00000/0000 2-20032/1709                        | 09/23/76         | 30             | 8499            | 5552N                              | 06805E                              | 30.7          | 151.6         | GGGG                               |                     |                      | 171                     | 21                     |
| 2610-05432        | 00000/0000 2-20032/1710                        | 09/23/76         | 0              | 8499            | 5428N                              | 06718E                              | 31.7          | 150.4         | GGGG                               |                     |                      | 171                     | 22                     |
| 2610-05435        | 00000/0000 2-20032/1711                        | 09/23/76         | 30             | 8499            | 5304N                              | 06633E                              | 32.7          | 149.2         | GGGG                               |                     |                      | 171                     | 23                     |
| 2610-05441        | 00000/0000 2-20032/1712                        | 09/23/76         | 10             | 8499            | 5139N                              | 06550E                              | 33.7          | 148.1         | GGGG                               |                     |                      | 171                     | 24                     |
| 2610-05444        | 00000/0000 2-20032/1713                        | 09/23/76         | 10             | 8499            | 5015N                              | 06510E                              | 34.7          | 146.9         | GGGG                               |                     |                      | 171                     | 25                     |
| 2610-07255        | 00000/0000 2-20032/1831                        | 09/23/76         | 90             | 8500            | 5715N                              | 04309E                              | 29.6          | 152.8         | GGGG                               |                     |                      | 189                     | 20                     |
| 2610-07261        | 00000/0000 2-20032/1832                        | 09/23/76         | 80             | 8500            | 5551N                              | 04218E                              | 30.6          | 151.6         | GGGG                               |                     |                      | 189                     | 21                     |
| 2610-07264        | 00000/0000 2-20032/1833                        | 09/23/76         | 70             | 8500            | 5427N                              | 04130E                              | 31.7          | 150.4         | GGGG                               |                     |                      | 189                     | 22                     |
| 2610-07270        | 00000/0000 2-20032/1834                        | 09/23/76         | 90             | 8500            | 5303N                              | 04045E                              | 32.7          | 149.2         | GGGG                               |                     |                      | 189                     | 23                     |
| 2610-07273        | 00000/0000 2-20032/1835                        | 09/23/76         | 100            | 8500            | 5139N                              | 04002E                              | 33.7          | 148.1         | GGGG                               |                     |                      | 189                     | 24                     |
| 2610-07275        | 00000/0000 2-20032/1836                        | 09/23/76         | 50             | 8500            | 5014N                              | 03921E                              | 34.7          | 146.9         | GGGG                               |                     |                      | 189                     | 25                     |
| 2610-07282        | 00000/0000 2-20032/1837                        | 09/23/76         | 0              | 8500            | 4850N                              | 03843E                              | 35.7          | 145.7         | GGGG                               |                     |                      | 189                     | 26                     |
| 2610-07284        | 00000/0000 2-20032/1838                        | 09/23/76         | 10             | 8500            | 4725N                              | 03807E                              | 36.7          | 144.6         | FGGG                               |                     |                      | 189                     | 27                     |
| 2610-07291        | 00000/0000 2-20032/1839                        | 09/23/76         | 60             | 8500            | 4600N                              | 03731E                              | 37.6          | 143.4         | GGGG                               |                     |                      | 189                     | 28                     |
| 2610-07293        | 00000/0000 2-20032/1840                        | 09/23/76         | 80             | 8500            | 4435N                              | 03658E                              | 38.5          | 142.2         | GGGG                               |                     |                      | 189                     | 29                     |
| 2610-07391        | 00000/0000 2-20032/1841                        | 09/23/76         | 60             | 8500            | 1133N                              | 02729E                              | 52.6          | 105.8         | GGGG                               |                     |                      | 189                     | 52                     |
| 2610-07393        | 00000/0000 2-20032/1842                        | 09/23/76         | 20             | 8500            | 1007N                              | 02709E                              | 52.8          | 103.8         | GGGG                               |                     |                      | 189                     | 53                     |
| 2610-07400        | 00000/0000 2-20032/1843                        | 09/23/76         | 30             | 8500            | 0840N                              | 02648E                              | 52.8          | 101.9         | GGGG                               |                     |                      | 189                     | 54                     |
| 2610-13003        | 00000/0000 2-20032/1844                        | 09/23/76         | 70             | 8503            | 2541S                              | 05939W                              | 40.4          | 62.6          | FFFF                               |                     |                      | 243                     | 80                     |
| 2610-13010        | 00000/0000 2-20032/1845                        | 09/23/76         | 10             | 8503            | 3006S                              | 06004W                              | 39.5          | 61.8          | GGGG                               |                     |                      | 243                     | 81                     |
| 2610-13012        | 00000/0000 2-20032/1846                        | 09/23/76         | 10             | 8503            | 3132S                              | 06028W                              | 38.6          | 61.0          | PPPP                               |                     |                      | 243                     | 82                     |
| 2610-13015        | 00000/0000 2-20032/1847                        | 09/23/76         | 0              | 8503            | 3259S                              | 06054W                              | 37.7          | 60.3          | PPPP                               |                     |                      | 243                     | 83                     |
| 2610-13021        | 00000/0000 2-20032/1848                        | 09/23/76         | 0              | 8503            | 3424S                              | 06120W                              | 36.7          | 59.7          | PPPP                               |                     |                      | 243                     | 84                     |
| 2610-13024        | 00000/0000 2-20032/1849                        | 09/23/76         | 0              | 8503            | 3549S                              | 06147W                              | 35.7          | 59.1          | GGGG                               |                     |                      | 243                     | 85                     |
| 2610-13030        | 00000/0000 2-20032/1850                        | 09/23/76         | 0              | 8503            | 3714S                              | 06214W                              | 34.8          | 58.5          | FFFF                               |                     |                      | 243                     | 86                     |
| 2610-13033        | 00000/0000 2-20032/1851                        | 09/23/76         | 10             | 8503            | 3805S                              | 06242W                              | 33.8          | 58.0          | PPPP                               |                     |                      | 243                     | 87                     |
| 2610-13035        | 00000/0000 2-20032/1852                        | 09/23/76         | 40             | 8503            | 4006S                              | 06311W                              | 32.8          | 57.6          | FFFF                               |                     |                      | 243                     | 88                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2610-14212        | 00000/0000 2-20032/1684                            | 09/23/76         | 20             | 8504            | 4851N 06433W                            | 35.6         | 145.8        | FGFF                  |                     |                      | 10                      | 26                     |
| 2610-14233        | 00000/0000 2-20032/1685                            | 09/23/76         | 10             | 8504            | 4146N 06720W                            | 40.3         | 139.8        | FGFG                  |                     |                      | 10                      | 31                     |
| 2610-14235        | 00000/0000 2-20032/1686                            | 09/23/76         | 10             | 8504            | 4020N 06751W                            | 41.1         | 138.6        | FGGG                  |                     |                      | 10                      | 32                     |
| 2610-14242        | 00000/0000 2-20032/1687                            | 09/23/76         | 10             | 8504            | 3854N 06820W                            | 42.0         | 137.3        | FFGG                  |                     |                      | 10                      | 33                     |
| 2610-16114        | 00000/0000 2-20032/1693                            | 09/23/76         | 10             | 8505            | 2434N 09821W                            | 49.2         | 122.5        | GGGG                  |                     |                      | 28                      | 43                     |
| 2610-16121        | 00000/0000 2-20032/1694                            | 09/23/76         | 20             | 8505            | 2307N 09844W                            | 49.7         | 120.8        | GGGG                  |                     |                      | 28                      | 44                     |
| 2610-16123        | 00000/0000 2-20032/1695                            | 09/23/76         | 30             | 8505            | 2141N 09906W                            | 50.2         | 119.1        | GGGG                  |                     |                      | 28                      | 45                     |
| 2610-16130        | 00000/0000 2-20032/1696                            | 09/23/76         | 20             | 8505            | 2015N 09928W                            | 50.7         | 117.3        | GGGG                  |                     |                      | 28                      | 46                     |
| 2610-16132        | 00000/0000 2-20032/1697                            | 09/23/76         | 30             | 8505            | 1848N 09949W                            | 51.1         | 115.5        | GGGF                  |                     |                      | 28                      | 47                     |
| 2610-16135        | 00000/0000 2-20032/1698                            | 09/23/76         | 30             | 8505            | 1722N 10010W                            | 51.5         | 113.7        | GGG                   |                     |                      | 28                      | 48                     |
| 2610-17370        | 2-20034/1211 00000/0000                            | 09/23/76         | 70             | 8506            | 8042N 05005W                            | 7.2          | 216.5        | GPF                   |                     |                      | 33                      | 247                    |
| 2610-17373        | 2-20034/1212 00000/0000                            | 09/23/76         | 90             | 8506            | 8012N 05826W                            | 8.4          | 208.3        | GFF                   |                     |                      | 45                      | 1                      |
| 2610-17375        | 2-20034/1213 00000/0000                            | 09/23/76         | 90             | 8506            | 7932N 06549W                            | 9.5          | 201.0        | FFF                   |                     |                      | 45                      | 2                      |
| 2610-17382        | 2-20034/1214 00000/0000                            | 09/23/76         | 90             | 8506            | 7843N 07217W                            | 10.6         | 194.6        | GGF                   |                     |                      | 46                      | 3                      |
| 2610-17384        | 2-20034/1215 00000/0000                            | 09/23/76         | 90             | 8506            | 7746N 07751W                            | 11.8         | 189.1        | GGG                   |                     |                      | 46                      | 4                      |
| 2610-17455        | 00000/0000 2-20032/1688                            | 09/23/76         | 20             | 8506            | 5554N 11235W                            | 30.5         | 151.7        | GGGG                  |                     |                      | 46                      | 21                     |
| 2610-17461        | 00000/0000 2-20032/1689                            | 09/23/76         | 10             | 8506            | 5430N 11323W                            | 31.5         | 150.5        | GFGG                  |                     |                      | 46                      | 22                     |
| 2610-17464        | 00000/0000 2-20032/1690                            | 09/23/76         | 10             | 8506            | 5306N 11409W                            | 32.5         | 149.4        | FGGG                  |                     |                      | 46                      | 23                     |
| 2610-17470        | 00000/0000 2-20032/1691                            | 09/23/76         | 10             | 8506            | 5141N 11452W                            | 33.5         | 148.2        | FFGG                  |                     |                      | 46                      | 24                     |
| 2610-17473        | 00000/0000 2-20032/1692                            | 09/23/76         | 30             | 8506            | 5016N 11533W                            | 34.5         | 147.0        | GGGG                  |                     |                      | 46                      | 25                     |
| 2610-19202        | 2-20034/1216 00000/0000                            | 09/23/76         | 90             | 8507            | 8042N 07557W                            | 7.2          | 216.5        | GFF                   |                     |                      | 51                      | 247                    |
| 2610-19204        | 2-20034/1217 00000/0000                            | 09/23/76         | 60             | 8507            | 8012N 08417W                            | 8.3          | 208.3        | FFG                   |                     |                      | 63                      | 1                      |
| 2610-21042        | 00000/0000 2-20032/1824                            | 09/23/76         | 10             | 8508            | 7933N 11720W                            | 9.4          | 201.2        | GGGG                  |                     |                      | 81                      | 2                      |
| 2610-21045        | 00000/0000 2-20032/1825                            | 09/23/76         | 10             | 8508            | 7843N 12349W                            | 10.6         | 194.8        | GGGG                  |                     |                      | 81                      | 3                      |
| 2610-21051        | 00000/0000 2-20032/1826                            | 09/23/76         | 0              | 8508            | 7747N 12922W                            | 11.7         | 189.3        | GGG                   |                     |                      | 82                      | 4                      |
| 2610-21054        | 00000/0000 2-20032/1827                            | 09/23/76         | 0              | 8508            | 7645N 13406W                            | 12.8         | 184.5        | GGGG                  |                     |                      | 82                      | 5                      |
| 2610-21060        | 00000/0000 2-20032/1828                            | 09/23/76         | 30             | 8508            | 7539N 13808W                            | 14.0         | 180.5        | GGGG                  |                     |                      | 82                      | 6                      |
| 2610-21065        | 00000/0000 2-20032/1829                            | 09/23/76         | 60             | 8508            | 7318N 14440W                            | 16.3         | 173.9        | GGGG                  |                     |                      | 82                      | 8                      |
| 2610-21072        | 00000/0000 2-20032/1830                            | 09/23/76         | 90             | 8508            | 7203N 14720W                            | 17.4         | 171.2        | GGGG                  |                     |                      | 82                      | 9                      |
| 2610-23183        | 00000/0000 2-20032/1808                            | 09/23/76         | 0              | 8509            | 2300S 14656E                            | 43.9         | 66.6         | GFGG                  |                     |                      | 100                     | 76                     |
| 2610-23215        | 00000/0000 2-20032/1809                            | 09/23/76         | 0              | 8509            | 2425S 14345E                            | 36.8         | 59.8         | GGGG                  |                     |                      | 100                     | 84                     |
| 2610-23222        | 00000/0000 2-20032/1810                            | 09/23/76         | 10             | 8509            | 3550S 14319E                            | 35.9         | 59.2         | GGGG                  |                     |                      | 100                     | 85                     |
| 2611-01035        | 00000/0000 2-20032/1811                            | 09/24/76         | 40             | 8510            | 3010S 11912E                            | 39.6         | 61.9         | GGGG                  |                     |                      | 118                     | 81                     |
| 2611-01042        | 00000/0000 2-20032/1812                            | 09/24/76         | 0              | 8510            | 3135S 11847E                            | 38.7         | 61.2         | GGGG                  |                     |                      | 118                     | 82                     |
| 2611-01044        | 00000/0000 2-20032/1813                            | 09/24/76         | 0              | 8510            | 3300S 11822E                            | 37.8         | 60.5         | GGGG                  |                     |                      | 118                     | 83                     |
| 2611-01051        | 00000/0000 2-20032/1814                            | 09/24/76         | 0              | 8510            | 3426S 11756E                            | 36.8         | 59.8         | GGGG                  |                     |                      | 118                     | 84                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER,  
IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | RAI NR./<br>IN RAI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|---------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2611-02262        | 00000/0000                   | 2-20032/1815              | 09/24/76         | 60             | 8511            | 4144N                        | 11153E        | 40.1         | 140.0        | GGGG                  |                     |                      | 136                     | 31                     |
| 2611-02264        | 00000/0000                   | 2-20032/1816              | 09/24/76         | 70             | 8511            | 4018N                        | 11124E        | 41.0         | 138.7        | GGGG                  |                     |                      | 136                     | 32                     |
| 2611-02271        | 00000/0000                   | 2-20032/1817              | 09/24/76         | 90             | 8511            | 3852N                        | 11055E        | 41.9         | 137.4        | GGGG                  |                     |                      | 136                     | 33                     |
| 2611-02273        | 00000/0000                   | 2-20032/1818              | 09/24/76         | 90             | 8511            | 3726N                        | 11028E        | 42.7         | 136.1        | GGGG                  |                     |                      | 136                     | 34                     |
| 2611-02280        | 00000/0000                   | 2-20032/1819              | 09/24/76         | 90             | 8511            | 3601N                        | 11001E        | 43.5         | 134.8        | GGGG                  |                     |                      | 136                     | 35                     |
| 2611-02282        | 00000/0000                   | 2-20032/1820              | 09/24/76         | 100            | 8511            | 3435N                        | 10934E        | 44.3         | 133.4        | GGGG                  |                     |                      | 136                     | 36                     |
| 2611-02285        | 00000/0000                   | 2-20032/1821              | 09/24/76         | 100            | 8511            | 3309N                        | 10908E        | 45.1         | 132.0        | GGGG                  |                     |                      | 136                     | 37                     |
| 2611-02291        | 00000/0000                   | 2-20032/1822              | 09/24/76         | 100            | 8511            | 3143N                        | 10843E        | 45.9         | 130.5        | GGGG                  |                     |                      | 136                     | 38                     |
| 2611-02294        | 00000/0000                   | 2-20032/1823              | 09/24/76         | 90             | 8511            | 3017N                        | 10818E        | 46.6         | 129.1        | GGGG                  |                     |                      | 136                     | 39                     |
| 2611-07313        | 00000/0000                   | 2-20032/1842              | 09/24/76         | 40             | 8514            | 5716N                        | 04142E        | 29.2         | 153.0        | G GG                  |                     |                      | 190                     | 20                     |
| 2611-07315        | 00000/0000                   | 2-20032/1843              | 09/24/76         | 90             | 8514            | 5552N                        | 04051E        | 30.3         | 151.8        | GGGG                  |                     |                      | 190                     | 21                     |
| 2611-07322        | 00000/0000                   | 2-20032/1844              | 09/24/76         | 80             | 8514            | 5429N                        | 04003E        | 31.3         | 150.7        | GGGG                  |                     |                      | 190                     | 22                     |
| 2611-07324        | 00000/0000                   | 2-20032/1845              | 09/24/76         | 20             | 8514            | 5305N                        | 03917E        | 32.3         | 149.5        | GGGG                  |                     |                      | 190                     | 23                     |
| 2611-07331        | 00000/0000                   | 2-20032/1846              | 09/24/76         | 80             | 8514            | 5140N                        | 03834E        | 33.3         | 148.3        | FGGG                  |                     |                      | 190                     | 24                     |
| 2611-07333        | 00000/0000                   | 2-20032/1847              | 09/24/76         | 20             | 8514            | 5016N                        | 03754E        | 34.3         | 147.2        | FGGG                  |                     |                      | 190                     | 25                     |
| 2611-07340        | 00000/0000                   | 2-20032/1848              | 09/24/76         | 0              | 8514            | 4850N                        | 03715E        | 35.3         | 146.0        | GGGG                  |                     |                      | 190                     | 26                     |
| 2611-07342        | 00000/0000                   | 2-20032/1849              | 09/24/76         | 10             | 8514            | 4725N                        | 03639E        | 36.3         | 144.9        | GGGG                  |                     |                      | 190                     | 27                     |
| 2611-07345        | 00000/0000                   | 2-20032/1850              | 09/24/76         | 10             | 8514            | 4600N                        | 03604E        | 37.3         | 143.7        | FGGG                  |                     |                      | 190                     | 28                     |
| 2611-07351        | 00000/0000                   | 2-20032/1851              | 09/24/76         | 20             | 8514            | 4435N                        | 03531E        | 38.2         | 142.5        | GGGG                  |                     |                      | 190                     | 29                     |
| 2611-13073        | 00000/0000                   | 2-20032/1766              | 09/24/76         | 20             | 8517            | 3300S                        | 06221W        | 38.0         | 60.6         | FFFF                  |                     |                      | 244                     | 83                     |
| 2611-13080        | 00000/0000                   | 2-20032/1767              | 09/24/76         | 40             | 8517            | 3425S                        | 06247W        | 37.0         | 60.0         | GGGG                  |                     |                      | 244                     | 84                     |
| 2611-13082        | 00000/0000                   | 2-20032/1768              | 09/24/76         | 30             | 8517            | 3505S                        | 06314W        | 36.1         | 59.4         | GGGG                  |                     |                      | 244                     | 85                     |
| 2611-14264        | 00000/0000                   | 2-20032/1737              | 09/24/76         | 50             | 8518            | 5015N                        | 06521W        | 34.3         | 147.2        | GGGG                  |                     |                      | 11                      | 25                     |
| 2611-14270        | 00000/0000                   | 2-20032/1738              | 09/24/76         | 40             | 8518            | 4850N                        | 06559W        | 35.3         | 146.1        | GGGG                  |                     |                      | 11                      | 26                     |
| 2611-14300        | 00000/0000                   | 2-20032/1739              | 09/24/76         | 30             | 8518            | 3853N                        | 06947W        | 41.7         | 137.6        | GGGG                  |                     |                      | 11                      | 33                     |
| 2611-14302        | 00000/0000                   | 2-20032/1740              | 09/24/76         | 30             | 8518            | 3727N                        | 07015W        | 42.6         | 136.3        | FFGG                  |                     |                      | 11                      | 34                     |
| 2611-14305        | 00000/0000                   | 2-20032/1741              | 09/24/76         | 30             | 8518            | 3601N                        | 07043W        | 43.4         | 135.0        | GGGG                  |                     |                      | 11                      | 35                     |
| 2611-14311        | 00000/0000                   | 2-20032/1742              | 09/24/76         | 60             | 8518            | 3435N                        | 07110W        | 44.2         | 133.6        | GGGG                  |                     |                      | 11                      | 36                     |
| 2611-16093        | 00000/0000                   | 2-20032/1747              | 09/24/76         | 90             | 8519            | 5140N                        | 09030W        | 33.2         | 148.4        | GGGG                  |                     |                      | 29                      | 24                     |
| 2611-16095        | 00000/0000                   | 2-20032/1748              | 09/24/76         | 90             | 8519            | 5015N                        | 09110W        | 34.2         | 147.2        | GGGG                  |                     |                      | 29                      | 25                     |
| 2611-16172        | 00000/0000                   | 2-20032/1749              | 09/24/76         | 40             | 8519            | 24324                        | 09950W        | 49.0         | 123.0        | GGGG                  |                     |                      | 29                      | 43                     |
| 2611-16175        | 00000/0000                   | 2-20032/1750              | 09/24/76         | 50             | 8519            | 2303N                        | 10012W        | 49.6         | 121.4        | GGGG                  |                     |                      | 29                      | 44                     |
| 2611-16181        | 00000/0000                   | 2-20032/1751              | 09/24/76         | 40             | 8519            | 2139N                        | 10034W        | 50.1         | 119.6        | GGGG                  |                     |                      | 29                      | 45                     |
| 2611-16184        | 00000/0000                   | 2-20032/1752              | 09/24/76         | 60             | 8519            | 2013N                        | 10056W        | 50.6         | 117.9        | GGGG                  |                     |                      | 29                      | 46                     |
| 2611-16190        | 00000/0000                   | 2-20032/1753              | 09/24/76         | 30             | 8519            | 1846N                        | 10118W        | 51.0         | 116.1        | GGGG                  |                     |                      | 29                      | 47                     |
| 2611-16193        | 00000/0000                   | 2-20032/1754              | 09/24/76         | 30             | 8519            | 1720N                        | 10139W        | 51.4         | 114.3        | GGGG                  |                     |                      | 29                      | 48                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = x CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FOR NANUS  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV | RLLI NR./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | LONG   | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|------------------|----------------|------------------------|------------------------------------|--------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2611-17431        | 2-20034/1218                                   | 00000/0000       | 09/24/76         | 90             | 8520                   | 8007N                              | 05057W | 8.1          | 207.2        | FGG                                |                     |                      | 47                      | 1                      |
| 2611-17440        | 2-20034/1219                                   | 00000/0000       | 09/24/76         | 40             | 8520                   | 7841N                              | 07348W | 10.3         | 194.5        | FGF                                |                     |                      | 47                      | 3                      |
| 2611-17443        | 2-20034/1220                                   | 00000/0000       | 09/24/76         | 60             | 8520                   | 7744N                              | 07918W | 11.4         | 189.1        | GGF                                |                     |                      | 47                      | 4                      |
| 2611-17520        | 00000/0000                                     | 2-20032/1852     | 09/24/76         | 70             | 8520                   | 5428N                              | 11449W | 31.2         | 150.7        |                                    | GGGG                |                      | 47                      | 22                     |
| 2611-17522        | 00000/0000                                     | 2-20032/1853     | 09/24/76         | 90             | 8520                   | 5304N                              | 11534W | 32.2         | 149.6        |                                    | GGGG                |                      | 47                      | 23                     |
| 2611-17525        | 00000/0000                                     | 2-20032/1854     | 09/24/76         | 60             | 8520                   | 5139N                              | 11616W | 33.2         | 148.4        |                                    | GGGG                |                      | 47                      | 24                     |
| 2611-17531        | 00000/0000                                     | 2-20032/1855     | 09/24/76         | 50             | 8520                   | 5015N                              | 11656W | 34.2         | 147.3        |                                    | GGGG                |                      | 47                      | 25                     |
| 2611-17581        | 00000/0000                                     | 2-20032/1856     | 09/24/76         | 90             | 8520                   | 3310N                              | 12312W | 44.9         | 132.3        |                                    | GGGG                |                      | 47                      | 37                     |
| 2611-21101        | 00000/0000                                     | 2-20032/1760     | 09/24/76         | 20             | 8522                   | 7931N                              | 11854W | 9.0          | 201.0        |                                    | GGFG                |                      | 82                      | 2                      |
| 2611-21112        | 00000/0000                                     | 2-20032/1761     | 09/24/76         | 10             | 8522                   | 7644N                              | 13538W | 12.5         | 184.5        |                                    | GGGG                |                      | 83                      | 6                      |
| 2611-21115        | 00000/0000                                     | 2-20032/1762     | 09/24/76         | 10             | 8522                   | 7538N                              | 13942W | 13.6         | 180.5        |                                    | GGGG                |                      | 83                      | 6                      |
| 2611-21121        | 00000/0000                                     | 2-20032/1763     | 09/24/76         | 20             | 8522                   | 7428N                              | 14312W | 14.8         | 176.9        |                                    | FGFG                |                      | 83                      | 7                      |
| 2611-21124        | 00000/0000                                     | 2-20032/1764     | 09/24/76         | 50             | 8522                   | 7316N                              | 14614W | 15.9         | 173.9        |                                    | GGGG                |                      | 83                      | 8                      |
| 2611-21130        | 00000/0000                                     | 2-20032/1765     | 09/24/76         | 90             | 8522                   | 7201N                              | 14853W | 17.0         | 171.2        |                                    | GGGG                |                      | 83                      | 9                      |
| 2611-23280        | 00000/0000                                     | 2-20032/1725     | 09/24/76         | 0              | 8523                   | 3549S                              | 14152E | 36.2         | 59.5         | G                                  |                     |                      | 101                     | 85                     |
| 2612-01093        | 00000/0000                                     | 2-20032/1726     | 09/25/76         | 60             | 8524                   | 3008S                              | 11745E | 40.0         | 62.3         |                                    | GGGG                |                      | 119                     | 81                     |
| 2612-01100        | 00000/0000                                     | 2-20032/1727     | 09/25/76         | 40             | 8524                   | 3133S                              | 11721E | 39.1         | 61.5         |                                    | GGGG                |                      | 119                     | 82                     |
| 2612-01102        | 00000/0000                                     | 2-20032/1728     | 09/25/76         | 40             | 8524                   | 3258S                              | 11655E | 38.1         | 60.8         |                                    | GGGG                |                      | 119                     | 83                     |
| 2612-02320        | 00000/0000                                     | 2-20032/1729     | 09/25/76         | 60             | 8525                   | 4143N                              | 11027E | 39.8         | 140.3        |                                    | GGGG                |                      | 137                     | 31                     |
| 2612-02322        | 00000/0000                                     | 2-20032/1730     | 09/25/76         | 20             | 8525                   | 4018N                              | 10957E | 40.7         | 139.1        |                                    | GGGF                |                      | 137                     | 32                     |
| 2612-02325        | 00000/0000                                     | 2-20032/1731     | 09/25/76         | 10             | 8525                   | 3853N                              | 10928E | 41.6         | 137.8        |                                    | GGGG                |                      | 137                     | 33                     |
| 2612-02331        | 00000/0000                                     | 2-20032/1732     | 09/25/76         | 10             | 8525                   | 3727N                              | 10900E | 42.4         | 136.5        |                                    | GGGG                |                      | 137                     | 34                     |
| 2612-02334        | 00000/0000                                     | 2-20032/1733     | 09/25/76         | 90             | 8525                   | 3601N                              | 10832E | 43.3         | 135.2        |                                    | GGGG                |                      | 137                     | 35                     |
| 2612-02340        | 00000/0000                                     | 2-20032/1734     | 09/25/76         | 50             | 8525                   | 3435N                              | 10806E | 44.1         | 133.8        |                                    | GGGG                |                      | 137                     | 36                     |
| 2612-02343        | 00000/0000                                     | 2-20032/1735     | 09/25/76         | 70             | 8525                   | 3309N                              | 10741E | 44.8         | 132.5        |                                    | GGGG                |                      | 137                     | 37                     |
| 2612-02345        | 00000/0000                                     | 2-20032/1736     | 09/25/76         | 50             | 8525                   | 3143N                              | 10716E | 45.6         | 131.0        |                                    | GGGG                |                      | 137                     | 38                     |
| 2612-04102        | 00000/0000                                     | 2-20032/1793     | 09/25/76         | 0              | 8526                   | 5839N                              | 09248E | 27.9         | 154.4        | G G                                |                     |                      | 155                     | 19                     |
| 2612-04104        | 00000/0000                                     | 2-20032/1794     | 09/25/76         | 0              | 8526                   | 5745N                              | 09154E | 28.9         | 153.2        |                                    | GGGG                |                      | 155                     | 20                     |
| 2612-04111        | 00000/0000                                     | 2-20032/1795     | 09/25/76         | 30             | 8526                   | 5511N                              | 09102E | 30.0         | 152.0        |                                    | GGGG                |                      | 155                     | 21                     |
| 2612-04113        | 00000/0000                                     | 2-20032/1796     | 09/25/76         | 50             | 8526                   | 5427N                              | 09014E | 31.0         | 150.8        |                                    | GGGG                |                      | 155                     | 22                     |
| 2612-04120        | 00000/0000                                     | 2-20032/1797     | 09/25/76         | 70             | 8526                   | 5304N                              | 08928E | 32.0         | 149.7        |                                    | GGGG                |                      | 155                     | 23                     |
| 2612-04134        | 00000/0000                                     | 2-20032/1798     | 09/25/76         | 40             | 8526                   | 4725N                              | 08650E | 36.0         | 145.1        |                                    | GGGG                |                      | 155                     | 27                     |
| 2612-04140        | 00000/0000                                     | 2-20032/1799     | 09/25/76         | 50             | 8526                   | 4600N                              | 08615E | 37.0         | 143.9        |                                    | GGGG                |                      | 155                     | 28                     |
| 2612-04143        | 00000/0000                                     | 2-20032/1800     | 09/25/76         | 30             | 8526                   | 4435N                              | 08542E | 37.9         | 142.7        |                                    | GGGG                |                      | 155                     | 29                     |
| 2612-05533        | 00000/0000                                     | 2-20032/1801     | 09/25/76         | 90             | 8527                   | 5839N                              | 06659E | 27.9         | 154.4        |                                    | GGFG                |                      | 173                     | 19                     |
| 2612-05540        | 00000/0000                                     | 2-20032/1802     | 09/25/76         | 30             | 8527                   | 5715N                              | 06605E | 28.9         | 153.2        |                                    | GGGG                |                      | 173                     | 20                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=1.0W RAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0500

| OBSERVATION<br>ID | MICROFILM RELI<br>POSITION IN RELI<br>RBV | RAII NR./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-------------------------------------------|------------------|------------------|----------------|------------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2612-05542        | 00000/0000                                | 2-20032/1803     | 09/25/76         | 70             | 8527             | 5552N                        | 06514E        | 30.0         | 152.0        | GGGG                  |                     |                      | 173                     | 21                     |
| 2612-05545        | 00000/0000                                | 2-20032/1804     | 09/25/76         | 60             | 8527             | 5427N                        | 06426E        | 31.0         | 150.8        | GGGG                  |                     |                      | 173                     | 22                     |
| 2612-05551        | 00000/0000                                | 2-20032/1805     | 09/25/76         | 90             | 8527             | 5303N                        | 06341E        | 32.0         | 149.7        | GGGG                  |                     |                      | 173                     | 23                     |
| 2612-05554        | 00000/0000                                | 2-20032/1806     | 09/25/76         | 40             | 8527             | 5139N                        | 06259E        | 33.0         | 148.5        | GGGG                  |                     |                      | 173                     | 24                     |
| 2612-05560        | 00000/0000                                | 2-20032/1807     | 09/25/76         | 10             | 8527             | 5014N                        | 06218E        | 34.0         | 147.4        | GGGG                  |                     |                      | 173                     | 25                     |
| 2612-07371        | 00000/0000                                | 2-20032/1858     | 09/25/76         | 20             | 8523             | 5715N                        | 04015E        | 28.9         | 153.2        | GGGG                  |                     |                      | 191                     | 20                     |
| 2612-07374        | 00000/0000                                | 2-20032/1859     | 09/25/76         | 70             | 8523             | 5551N                        | 03924E        | 29.9         | 152.0        | GGGG                  |                     |                      | 191                     | 21                     |
| 2612-07380        | 00000/0000                                | 2-20032/1860     | 09/25/76         | 90             | 8523             | 5427N                        | 03837E        | 31.0         | 150.8        | GGGG                  |                     |                      | 191                     | 22                     |
| 2612-07383        | 00000/0000                                | 2-20032/1861     | 09/25/76         | 70             | 8523             | 5303N                        | 03752E        | 32.0         | 149.7        | GGGG                  |                     |                      | 191                     | 23                     |
| 2612-07385        | 00000/0000                                | 2-20032/1862     | 09/25/76         | 60             | 8523             | 5139N                        | 03710E        | 33.0         | 148.5        | GGGG                  |                     |                      | 191                     | 24                     |
| 2612-07392        | 00000/0000                                | 2-20032/1863     | 09/25/76         | 10             | 8523             | 5014N                        | 03630E        | 34.0         | 147.4        | GGGG                  |                     |                      | 191                     | 25                     |
| 2612-07394        | 00000/0000                                | 2-20032/1864     | 09/25/76         | 10             | 8523             | 4848N                        | 03551E        | 35.0         | 146.3        | GGGG                  |                     |                      | 191                     | 26                     |
| 2612-07401        | 00000/0000                                | 2-20032/1865     | 09/25/76         | 10             | 8523             | 4723N                        | 03515E        | 36.0         | 145.1        | GGGG                  |                     |                      | 191                     | 27                     |
| 2612-07403        | 00000/0000                                | 2-20032/1866     | 09/25/76         | 10             | 8523             | 4559N                        | 03440E        | 37.0         | 144.0        | GGGG                  |                     |                      | 191                     | 28                     |
| 2612-07410        | 00000/0000                                | 2-20032/1867     | 09/25/76         | 10             | 8523             | 4434N                        | 03406E        | 37.9         | 142.8        | GGGG                  |                     |                      | 191                     | 29                     |
| 2612-14325        | 00000/0000                                | 2-20032/1743     | 09/25/76         | 10             | 8532             | 4848N                        | 06726W        | 34.9         | 146.3        | GGGG                  |                     |                      | 12                      | 26                     |
| 2612-14370        | 00000/0000                                | 2-20032/1744     | 09/25/76         | 30             | 8532             | 3432N                        | 07937W        | 44.0         | 134.0        | GGGG                  |                     |                      | 12                      | 34                     |
| 2612-14372        | 00000/0000                                | 2-20032/1745     | 09/25/76         | 50             | 8532             | 3306N                        | 07302W        | 44.7         | 132.6        | GGGG                  |                     |                      | 12                      | 37                     |
| 2612-14375        | 00000/0000                                | 2-20032/1746     | 09/25/76         | 50             | 8532             | 3141N                        | 07327W        | 45.5         | 131.2        | GGGG                  |                     |                      | 12                      | 38                     |
| 2612-16231        | 00000/0000                                | 2-20032/1755     | 09/25/76         | 70             | 8533             | 2431N                        | 10116W        | 48.8         | 123.5        | GGGG                  |                     |                      | 30                      | 43                     |
| 2612-16233        | 00000/0000                                | 2-20032/1756     | 09/25/76         | 70             | 8533             | 2304N                        | 10138W        | 49.4         | 121.9        | GGGG                  |                     |                      | 30                      | 44                     |
| 2612-16240        | 00000/0000                                | 2-20032/1757     | 09/25/76         | 60             | 8533             | 2138N                        | 10200W        | 49.9         | 120.2        | GGGG                  |                     |                      | 30                      | 45                     |
| 2612-16242        | 00000/0000                                | 2-20032/1758     | 09/25/76         | 60             | 8533             | 2011N                        | 10222W        | 50.4         | 118.4        | GGGG                  |                     |                      | 30                      | 46                     |
| 2612-16245        | 00000/0000                                | 2-20032/1759     | 09/25/76         | 10             | 8533             | 1845N                        | 10244W        | 50.9         | 116.6        | GGGG                  |                     |                      | 30                      | 47                     |
| 2612-17490        | 2-20034/1221                              | 00000/0000       | 09/25/76         | 60             | 8534             | 8008N                        | 06154W        | 7.7          | 207.7        | GGG                   |                     |                      | 48                      | 1                      |
| 2612-17492        | 2-20034/1222                              | 00000/0000       | 09/25/76         | 60             | 8534             | 7927N                        | 06912W        | 8.8          | 200.5        | GG                    |                     |                      | 48                      | 2                      |
| 2612-17495        | 2-20034/1223                              | 00000/0000       | 09/25/76         | 70             | 8534             | 7837N                        | 07535W        | 10.0         | 194.2        | GGF                   |                     |                      | 48                      | 3                      |
| 2612-17501        | 2-20034/1224                              | 00000/0000       | 09/25/76         | 60             | 8534             | 7740N                        | 08105W        | 11.1         | 188.8        | GGF                   |                     |                      | 48                      | 4                      |
| 2612-21184        | 00000/0000                                | 2-20032/1857     | 09/25/76         | 100            | 8536             | 7202N                        | 15012W        | 16.6         | 171.3        | GGGG                  |                     |                      | 84                      | 9                      |
| 2612-23334        | 00000/0000                                | 2-20032/1868     | 09/25/76         | 0              | 8537             | 3533S                        | 14030E        | 36.7         | 59.9         | GGGG                  |                     |                      | 102                     | 55                     |
| 2613-01040        | 00000/0000                                | 2-20032/1869     | 09/26/76         | 10             | 8538             | 0839N                        | 12544E        | 52.8         | 103.7        | GGGG                  |                     |                      | 120                     | 54                     |
| 2613-01043        | 00000/0000                                | 2-20032/1870     | 09/26/76         | 20             | 8538             | 0713N                        | 12524E        | 52.9         | 101.7        | GGGG                  |                     |                      | 120                     | 55                     |
| 2613-01145        | 00000/0000                                | 2-20032/1871     | 09/26/76         | 60             | 8538             | 2844S                        | 11643E        | 41.1         | 63.4         | GGGG                  |                     |                      | 120                     | 80                     |
| 2613-01152        | 00000/0000                                | 2-20032/1872     | 09/26/76         | 60             | 8538             | 3009S                        | 11619E        | 40.3         | 62.6         | GGGG                  |                     |                      | 120                     | 81                     |
| 2613-01154        | 00000/0000                                | 2-20032/1873     | 09/26/76         | 60             | 8538             | 3134S                        | 11554E        | 39.4         | 61.8         | GGGG                  |                     |                      | 120                     | 82                     |
| 2613-02374        | 00000/0000                                | 2-20032/1874     | 09/26/76         | 20             | 8539             | 4142N                        | 10900E        | 39.5         | 140.6        | GGGG                  |                     |                      | 138                     | 31                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = X CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION LOG LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0501

| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                                                |                  |                |                        |                                    |              |              | 123 45678         |                     |                      |                         |                        |
| 2613-02381        | 00000/0000 2-20032/1875                        | 09/26/76         | 30             | 8539                   | 4017N                              | 10830E       | 40.4 139.4   | GGGG              |                     |                      | 138                     | 32                     |
| 2613-02383        | 00000/0000 2-20032/1876                        | 09/26/76         | 10             | 8539                   | 3851N                              | 10801E       | 41.3 138.1   | GGGG              |                     |                      | 138                     | 33                     |
| 2613-02401        | 00000/0000 2-20032/1877                        | 09/26/76         | 20             | 8539                   | 3307N                              | 10614E       | 44.6 132.8   | GGGG              |                     |                      | 138                     | 37                     |
| 2613-02415        | 00000/0000 2-20032/1878                        | 09/26/76         | 90             | 8539                   | 2724N                              | 10437E       | 47.5 127.0   | GGGG              |                     |                      | 138                     | 41                     |
| 2613-04192        | 00000/0000 2-20032/1879                        | 09/26/76         | 10             | 8540                   | 4723N                              | 08523E       | 35.7 145.3   | GGGG              |                     |                      | 156                     | 27                     |
| 2613-04194        | 00000/0000 2-20032/1880                        | 09/26/76         | 10             | 8540                   | 4558N                              | 08448E       | 36.7 144.2   | GGGG              |                     |                      | 156                     | 28                     |
| 2613-04201        | 00000/0000 2-20032/1881                        | 09/26/76         | 30             | 8540                   | 4433N                              | 08414E       | 37.6 143.0   | GGGG              |                     |                      | 156                     | 29                     |
| 2613-04203        | 00000/0000 2-20032/1882                        | 09/26/76         | 60             | 8540                   | 4307N                              | 08342E       | 38.6 141.8   | GGGG              |                     |                      | 156                     | 30                     |
| 2613-04210        | 00000/0000 2-20032/1883                        | 09/26/76         | 60             | 8540                   | 4142N                              | 08311E       | 39.5 140.6   | GGGG              |                     |                      | 156                     | 31                     |
| 2613-06082        | 00000/0000 2-20032/1884                        | 09/26/76         | 0              | 8541                   | 2722N                              | 05257E       | 47.4 127.0   | GGGG              |                     |                      | 174                     | 41                     |
| 2613-07423        | 00000/0000 2-20034/0090                        | 09/26/76         | 70             | 8542                   | 5836N                              | 03942E       | 27.5 154.6   | GGGG              |                     |                      | 192                     | 19                     |
| 2613-07430        | 00000/0000 2-20034/0091                        | 09/26/76         | 40             | 8542                   | 5713N                              | 03848E       | 28.6 153.4   | GGGG              |                     |                      | 192                     | 20                     |
| 2613-07432        | 00000/0000 2-20034/0092                        | 09/26/76         | 90             | 8542                   | 5549N                              | 03757E       | 29.6 152.2   | GGGG              |                     |                      | 192                     | 21                     |
| 2613-07435        | 00000/0000 2-20034/0093                        | 09/26/76         | 100            | 8542                   | 5425N                              | 03709E       | 30.7 151.0   | GGGG              |                     |                      | 192                     | 22                     |
| 2613-07441        | 00000/0000 2-20034/0094                        | 09/26/76         | 100            | 8542                   | 5301N                              | 03624E       | 31.7 149.9   | GGGG              |                     |                      | 192                     | 23                     |
| 2613-07444        | 00000/0000 2-20034/0095                        | 09/26/76         | 100            | 8542                   | 5136N                              | 03541E       | 32.7 148.8   | GGGG              |                     |                      | 192                     | 24                     |
| 2613-07450        | 00000/0000 2-20034/0096                        | 09/26/76         | 90             | 8542                   | 5012N                              | 03500E       | 33.7 147.6   | GGGG              |                     |                      | 192                     | 25                     |
| 2613-07453        | 00000/0000 2-20034/0097                        | 09/26/76         | 90             | 8542                   | 4847N                              | 03421E       | 34.7 146.5   | GGGG              |                     |                      | 192                     | 26                     |
| 2613-07455        | 00000/0000 2-20034/0098                        | 09/26/76         | 90             | 8542                   | 4722N                              | 03345E       | 35.7 145.4   | GGGG              |                     |                      | 192                     | 27                     |
| 2613-07462        | 00000/0000 2-20034/0099                        | 09/26/76         | 80             | 8542                   | 4557N                              | 03310E       | 36.7 144.2   | GGGG              |                     |                      | 192                     | 28                     |
| 2613-13183        | 00000/0000 2-20034/0100                        | 09/26/76         | 20             | 8545                   | 3134S                              | 06449W       | 39.5 62.0    | FFFF              |                     |                      | 246                     | 82                     |
| 2613-13190        | 00000/0000 2-20034/0101                        | 09/26/76         | 30             | 8545                   | 3259S                              | 06514W       | 38.6 61.2    | FFFF              |                     |                      | 246                     | 83                     |
| 2613-13192        | 00000/0000 2-20034/0102                        | 09/26/76         | 30             | 8545                   | 3424S                              | 06540W       | 37.7 60.5    | FFFF              |                     |                      | 246                     | 84                     |
| 2613-14380        | 00000/0000 2-20034/0049                        | 09/26/76         | 80             | 8546                   | 5015N                              | 06813W       | 33.6 147.7   | GGGG              |                     |                      | 13                      | 25                     |
| 2613-14383        | 00000/0000 2-20034/0050                        | 09/26/76         | 40             | 8546                   | 4850N                              | 06852W       | 34.6 146.6   | GGGG              |                     |                      | 13                      | 26                     |
| 2613-16212        | 00000/0000 2-20034/0001                        | 09/26/76         | 90             | 8547                   | 5013N                              | 09403W       | 33.6 147.7   | GGGG              |                     |                      | 31                      | 28                     |
| 2613-16282        | 00000/0000 2-20034/0002                        | 09/26/76         | 10             | 8547                   | 2558N                              | 10221W       | 48.0 125.7   | GGGG              |                     |                      | 31                      | 42                     |
| 2613-16285        | 00000/0000 2-20034/0003                        | 09/26/76         | 10             | 8547                   | 2431N                              | 10244W       | 48.6 124.1   | GGGG              |                     |                      | 31                      | 43                     |
| 2613-16291        | 00000/0000 2-20034/0004                        | 09/26/76         | 20             | 8547                   | 2305N                              | 10306W       | 49.2 122.4   | GGGG              |                     |                      | 31                      | 44                     |
| 2613-16294        | 00000/0000 2-20034/0005                        | 09/26/76         | 30             | 8547                   | 2139N                              | 10328W       | 49.7 120.7   | GGGG              |                     |                      | 31                      | 45                     |
| 2613-16300        | 00000/0000 2-20034/0006                        | 09/26/76         | 30             | 8547                   | 2013N                              | 10350W       | 50.2 119.0   | GGGG              |                     |                      | 31                      | 46                     |
| 2613-16303        | 00000/0000 2-20034/0007                        | 09/26/76         | 40             | 8547                   | 1846N                              | 10411W       | 50.7 117.3   | GGGG              |                     |                      | 31                      | 47                     |
| 2613-17550        | 2-20034/1225 00000/0000                        | 09/26/76         | 20             | 8548                   | 7931N                              | 07005W       | 8.3 201.2    | GGG               |                     |                      | 48                      | 2                      |
| 2613-17553        | 2-20034/1226 00000/0000                        | 09/26/76         | 20             | 8548                   | 7842N                              | 07630W       | 9.5 194.8    | GGG               |                     |                      | 48                      | 3                      |
| 2613-17555        | 2-20034/1227 00000/0000                        | 09/26/76         | 10             | 8548                   | 7746N                              | 08202W       | 10.6 189.4   | GGG               |                     |                      | 49                      | 4                      |
| 2613-18023        | 00000/0000 2-20034/0043                        | 09/26/76         | 0              | 8548                   | 5715N                              | 11604W       | 28.4 153.5   | GGG               |                     |                      | 49                      | 20                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2613-18030        | 00000/0000                   | 2-20034/0044                | 09/26/76         | 10             | 8548            | 5551N 11655W                            | 29.4         | 152.3        | GGGG                               |                     |                      | 49                      | 21                     |
| 2613-18032        | 00000/0000                   | 2-20034/0045                | 09/26/76         | 0              | 8548            | 5427N 11743W                            | 30.5         | 151.1        | GFGG                               |                     |                      | 49                      | 22                     |
| 2613-18035        | 00000/0000                   | 2-20034/0046                | 09/26/76         | 0              | 8548            | 5303N 11828W                            | 31.5         | 150.0        | GGGG                               |                     |                      | 49                      | 23                     |
| 2613-18041        | 00000/0000                   | 2-20034/0047                | 09/26/76         | 10             | 8548            | 5138N 11910W                            | 32.5         | 148.9        | GGGG                               |                     |                      | 49                      | 24                     |
| 2613-18044        | 00000/0000                   | 2-20034/0048                | 09/26/76         | 10             | 8548            | 5014N 11951W                            | 33.5         | 147.7        | GGGG                               |                     |                      | 49                      | 25                     |
| 2613-21243        | 00000/0000                   | 2-20034/0089                | 09/26/76         | 100            | 8550            | 7200N 15145W                            | 16.3         | 171.4        | GGGG                               |                     |                      | 85                      | 9                      |
| 2613-23390        | 00000/0000                   | 2-20034/0026                | 09/26/76         | 20             | 8551            | 3426S 13928E                            | 37.8         | 60.6         | G                                  |                     |                      | 103                     | 84                     |
| 2614-01203        | 00000/0000                   | 2-20034/0027                | 09/27/76         | 50             | 8552            | 2842S 11517E                            | 41.5         | 63.8         | GFGG                               |                     |                      | 121                     | 80                     |
| 2614-01210        | 00000/0000                   | 2-20034/0028                | 09/27/76         | 60             | 8552            | 3007S 11453E                            | 40.6         | 63.0         | GGGG                               |                     |                      | 121                     | 81                     |
| 2614-02432        | 00000/0000                   | 2-20034/0072                | 09/27/76         | 50             | 8553            | 4143N 10734E                            | 39.2         | 141.0        | GGGG                               |                     |                      | 139                     | 31                     |
| 2614-02435        | 00000/0000                   | 2-20034/0073                | 09/27/76         | 70             | 8553            | 4018N 10704E                            | 40.1         | 139.8        | GGGG                               |                     |                      | 139                     | 32                     |
| 2614-02441        | 00000/0000                   | 2-20034/0074                | 09/27/76         | 30             | 8553            | 3852N 10635E                            | 41.0         | 138.5        | GGGG                               |                     |                      | 139                     | 33                     |
| 2614-02444        | 00000/0000                   | 2-20034/0051                | 09/27/76         | 30             | 8553            | 3726N 10607E                            | 41.9         | 137.3        | FGGG                               |                     |                      | 139                     | 34                     |
| 2614-02450        | 00000/0000                   | 2-20034/0052                | 09/27/76         | 50             | 8553            | 3600N 10540E                            | 42.7         | 136.0        | GGGG                               |                     |                      | 139                     | 35                     |
| 2614-02453        | 00000/0000                   | 2-20034/0053                | 09/27/76         | 60             | 8553            | 3434N 10513E                            | 43.5         | 134.6        | FGGG                               |                     |                      | 139                     | 36                     |
| 2614-02455        | 00000/0000                   | 2-20034/0054                | 09/27/76         | 50             | 8553            | 3308N 10447E                            | 44.3         | 133.3        | GGGG                               |                     |                      | 139                     | 37                     |
| 2614-02462        | 00000/0000                   | 2-20034/0055                | 09/27/76         | 40             | 8553            | 3141N 10421E                            | 45.1         | 131.9        | GGGG                               |                     |                      | 139                     | 38                     |
| 2614-02464        | 00000/0000                   | 2-20034/0056                | 09/27/76         | 50             | 8553            | 3016N 10357E                            | 45.8         | 130.5        | GGGG                               |                     |                      | 139                     | 39                     |
| 2614-02471        | 00000/0000                   | 2-20034/0057                | 09/27/76         | 60             | 8553            | 2850N 10333E                            | 46.6         | 129.0        | GGGG                               |                     |                      | 139                     | 40                     |
| 2614-02473        | 00000/0000                   | 2-20034/0058                | 09/27/76         | 40             | 8553            | 2724N 10309E                            | 47.2         | 127.5        | GGGG                               |                     |                      | 139                     | 41                     |
| 2614-04214        | 00000/0000                   | 2-20034/0059                | 09/27/76         | 70             | 8554            | 5838N 08955E                            | 27.2         | 154.8        | GGGG                               |                     |                      | 157                     | 19                     |
| 2614-04221        | 00000/0000                   | 2-20034/0060                | 09/27/76         | 80             | 8554            | 5715N 08901E                            | 28.2         | 153.6        | GGGG                               |                     |                      | 157                     | 20                     |
| 2614-04223        | 00000/0000                   | 2-20034/0061                | 09/27/76         | 90             | 8554            | 5551N 08810E                            | 29.3         | 152.4        | GGGG                               |                     |                      | 157                     | 21                     |
| 2614-04230        | 00000/0000                   | 2-20034/0062                | 09/27/76         | 100            | 8554            | 5428N 08722E                            | 30.3         | 151.2        | GGGG                               |                     |                      | 157                     | 22                     |
| 2614-04232        | 00000/0000                   | 2-20034/0063                | 09/27/76         | 90             | 8554            | 5303N 08637E                            | 31.4         | 150.1        | GGGG                               |                     |                      | 157                     | 23                     |
| 2614-04235        | 00000/0000                   | 2-20034/0064                | 09/27/76         | 90             | 8554            | 5139N 08554E                            | 32.4         | 149.0        | GGGG                               |                     |                      | 157                     | 24                     |
| 2614-04241        | 00000/0000                   | 2-20034/0065                | 09/27/76         | 90             | 8554            | 5014N 08514E                            | 33.4         | 147.9        | GGGG                               |                     |                      | 157                     | 25                     |
| 2614-04244        | 00000/0000                   | 2-20034/0066                | 09/27/76         | 90             | 8554            | 4849N 08435E                            | 34.4         | 146.7        | GGGG                               |                     |                      | 157                     | 26                     |
| 2614-04250        | 00000/0000                   | 2-20034/0067                | 09/27/76         | 90             | 8554            | 4724N 08359E                            | 35.4         | 145.6        | GGGG                               |                     |                      | 157                     | 27                     |
| 2614-04253        | 00000/0000                   | 2-20034/0068                | 09/27/76         | 90             | 8554            | 4559N 08324E                            | 36.4         | 144.5        | GGGG                               |                     |                      | 157                     | 28                     |
| 2614-04255        | 00000/0000                   | 2-20034/0069                | 09/27/76         | 70             | 8554            | 4433N 08250E                            | 37.3         | 143.3        | GGGG                               |                     |                      | 157                     | 29                     |
| 2614-04262        | 00000/0000                   | 2-20034/0070                | 09/27/76         | 50             | 8554            | 4308N 08218E                            | 38.3         | 142.2        | GGGG                               |                     |                      | 157                     | 30                     |
| 2614-04264        | 00000/0000                   | 2-20034/0071                | 09/27/76         | 40             | 8554            | 4143N 08147E                            | 39.2         | 141.0        | GGGG                               |                     |                      | 157                     | 31                     |
| 2614-06050        | 00000/0000                   | 2-20034/0075                | 09/27/76         | 60             | 8555            | 5838N 06405E                            | 27.1         | 154.8        | GGGG                               |                     |                      | 175                     | 19                     |
| 2614-06052        | 00000/0000                   | 2-20034/0076                | 09/27/76         | 40             | 8555            | 5715N 06311E                            | 28.2         | 153.6        | GGGG                               |                     |                      | 175                     | 20                     |
| 2614-06055        | 00000/0000                   | 2-20034/0077                | 09/27/76         | 20             | 8555            | 5551N 06220E                            | 29.3         | 152.4        | GGGG                               |                     |                      | 175                     | 21                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NAN-US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2614-06061        | 00000/0000                   | 2-20034/0078                | 09/27/76         | 10             | 8555            | 5427N                              | 06132E                              | 30.3         | 151.2        | GGGG                               |                     |                      | 175                     | 22                     |
| 2614-06064        | 00000/0000                   | 2-20034/0079                | 09/27/76         | 20             | 8555            | 5303N                              | 06047E                              | 31.3         | 150.1        | GGGG                               |                     |                      | 175                     | 23                     |
| 2614-06070        | 00000/0000                   | 2-20034/0080                | 09/27/76         | 30             | 8555            | 5138N                              | 06004E                              | 32.4         | 149.0        | GGGG                               |                     |                      | 175                     | 24                     |
| 2614-06073        | 00000/0000                   | 2-20034/0081                | 09/27/76         | 30             | 8555            | 5013N                              | 05923E                              | 33.4         | 147.9        | GGGG                               |                     |                      | 175                     | 25                     |
| 2614-06105        | 00000/0000                   | 2-20034/0082                | 09/27/76         | 10             | 8555            | 3851N                              | 05457E                              | 41.0         | 138.6        | GGGG                               |                     |                      | 175                     | 33                     |
| 2614-06111        | 00000/0000                   | 2-20034/0083                | 09/27/76         | 10             | 8555            | 3726N                              | 05428E                              | 41.8         | 137.3        | GGGG                               |                     |                      | 175                     | 34                     |
| 2614-06114        | 00000/0000                   | 2-20034/0084                | 09/27/76         | 0              | 8555            | 3600N                              | 05401E                              | 42.7         | 136.0        | GGGG                               |                     |                      | 175                     | 35                     |
| 2614-06120        | 00000/0000                   | 2-20034/0085                | 09/27/76         | 0              | 8555            | 3434N                              | 05334E                              | 43.5         | 134.7        | GGGG                               |                     |                      | 175                     | 36                     |
| 2614-06123        | 00000/0000                   | 2-20034/0086                | 09/27/76         | 0              | 8555            | 3309N                              | 05308E                              | 44.3         | 133.3        | GGGG                               |                     |                      | 175                     | 37                     |
| 2614-06125        | 00000/0000                   | 2-20034/0087                | 09/27/76         | 0              | 8555            | 3143N                              | 05243E                              | 45.1         | 131.9        | GGGG                               |                     |                      | 175                     | 38                     |
| 2614-06132        | 00000/0000                   | 2-20034/0088                | 09/27/76         | 0              | 8555            | 3017N                              | 05218E                              | 45.8         | 130.5        | GGGG                               |                     |                      | 175                     | 39                     |
| 2614-07481        | 00000/0000                   | 2-20034/0029                | 09/27/76         | 60             | 8556            | 5837N                              | 03817E                              | 27.1         | 154.8        | GGGG                               |                     |                      | 193                     | 19                     |
| 2614-07484        | 00000/0000                   | 2-20034/0030                | 09/27/76         | 40             | 8556            | 5714N                              | 03723E                              | 28.2         | 153.6        | GGGG                               |                     |                      | 193                     | 20                     |
| 2614-07490        | 00000/0000                   | 2-20034/0031                | 09/27/76         | 40             | 8556            | 5550N                              | 03632E                              | 29.2         | 152.4        | GGGG                               |                     |                      | 193                     | 21                     |
| 2614-07493        | 00000/0000                   | 2-20034/0032                | 09/27/76         | 70             | 8556            | 5427N                              | 03544E                              | 30.3         | 151.3        | GGGG                               |                     |                      | 193                     | 22                     |
| 2614-07495        | 00000/0000                   | 2-20034/0033                | 09/27/76         | 80             | 8556            | 5303N                              | 03459E                              | 31.3         | 150.1        | GGGG                               |                     |                      | 193                     | 23                     |
| 2614-07502        | 00000/0000                   | 2-20034/0034                | 09/27/76         | 90             | 8556            | 5138N                              | 03416E                              | 32.3         | 149.0        | GGGG                               |                     |                      | 193                     | 24                     |
| 2614-07504        | 00000/0000                   | 2-20034/0035                | 09/27/76         | 90             | 8556            | 5013N                              | 03336E                              | 33.4         | 147.9        | GGGG                               |                     |                      | 193                     | 25                     |
| 2614-07511        | 00000/0000                   | 2-20034/0036                | 09/27/76         | 60             | 8556            | 4848N                              | 03257E                              | 34.4         | 146.8        | GGGG                               |                     |                      | 193                     | 26                     |
| 2614-07513        | 00000/0000                   | 2-20034/0037                | 09/27/76         | 60             | 8556            | 4723N                              | 03221E                              | 35.3         | 145.6        | GGGG                               |                     |                      | 193                     | 27                     |
| 2614-07520        | 00000/0000                   | 2-20034/0038                | 09/27/76         | 70             | 8556            | 4569N                              | 03146E                              | 36.3         | 144.5        | GGGG                               |                     |                      | 193                     | 28                     |
| 2614-14432        | 00000/0000                   | 2-20034/0128                | 09/27/76         | 70             | 8560            | 5137N                              | 06902W                              | 32.3         | 149.0        | GGG                                |                     |                      | 14                      | 24                     |
| 2614-14435        | 00000/0000                   | 2-20034/0129                | 09/27/76         | 90             | 8560            | 5012N                              | 06942W                              | 33.3         | 147.9        | GGGG                               |                     |                      | 14                      | 25                     |
| 2614-14441        | 00000/0000                   | 2-20034/0130                | 09/27/76         | 90             | 8560            | 4848N                              | 07021W                              | 34.3         | 146.8        | GGGG                               |                     |                      | 14                      | 26                     |
| 2614-14505        | 00000/0000                   | 2-20034/0131                | 09/27/76         | 10             | 8560            | 2556N                              | 07757W                              | 47.8         | 126.1        | GGGG                               |                     |                      | 14                      | 42                     |
| 2614-14512        | 00000/0000                   | 2-20034/0132                | 09/27/76         | 10             | 8560            | 2430N                              | 07820W                              | 48.4         | 124.5        | GGGG                               |                     |                      | 14                      | 43                     |
| 2614-16270        | 00000/0000                   | 2-20034/0115                | 09/27/76         | 30             | 8561            | 5012N                              | 09529W                              | 33.3         | 147.9        | GGGG                               |                     |                      | 32                      | 25                     |
| 2614-16341        | 00000/0000                   | 2-20034/0116                | 09/27/76         | 10             | 8561            | 2555N                              | 10347W                              | 47.8         | 126.1        | GGGG                               |                     |                      | 32                      | 42                     |
| 2614-16343        | 00000/0000                   | 2-20034/0117                | 09/27/76         | 20             | 8561            | 2429N                              | 10410W                              | 48.4         | 124.6        | GGGG                               |                     |                      | 32                      | 43                     |
| 2614-16350        | 00000/0000                   | 2-20034/0118                | 09/27/76         | 30             | 8561            | 2302N                              | 10432W                              | 49.0         | 122.9        | GGGG                               |                     |                      | 32                      | 44                     |
| 2614-16352        | 00000/0000                   | 2-20034/0119                | 09/27/76         | 60             | 8561            | 2136N                              | 10454W                              | 49.6         | 121.3        | GGGG                               |                     |                      | 32                      | 45                     |
| 2614-16355        | 00000/0000                   | 2-20034/0120                | 09/27/76         | 90             | 8561            | 2010N                              | 10515W                              | 50.1         | 119.5        | GGGG                               |                     |                      | 32                      | 46                     |
| 2614-16361        | 00000/0000                   | 2-20034/0121                | 09/27/76         | 90             | 8561            | 1844N                              | 10537W                              | 50.6         | 117.8        | FGGG                               |                     |                      | 32                      | 47                     |
| 2614-18002        | 2-20034/1228                 | 00000/0000                  | 09/27/76         | 50             | 8562            | 8007N                              | 06516W                              | 6.9          | 207.4        | GGG                                |                     |                      | 50                      | 1                      |
| 2614-18005        | 2-20034/1229                 | 00000/0000                  | 09/27/76         | 90             | 8562            | 7925N                              | 07231W                              | 8.1          | 200.2        | FGG                                |                     |                      | 50                      | 2                      |
| 2614-18011        | 2-20034/1230                 | 00000/0000                  | 09/27/76         | 40             | 8562            | 7834N                              | 07A50W                              | 9.2          | 194.0        | GG                                 |                     |                      | 50                      | 3                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | RLLI NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | QUAL<br>MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|--------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2614-18014        | 2-20034/1231                                   | 00000/0000       | 09/27/76         | 60             | 8562            | 7737N                              | 08414W                              | 10.4         | 188.7        | GGG               |                          |                     |                      | 50                      | 4                      |
| 2614-18081        | 00000/0000                                     | 2-20034/0122     | 09/27/76         | 20             | 8562            | 5713N                              | 11733W                              | 28.1         | 153.6        | G                 |                          |                     |                      | 50                      | 20                     |
| 2614-18084        | 00000/0000                                     | 2-20034/0123     | 09/27/76         | 10             | 8562            | 5549N                              | 11824W                              | 29.1         | 152.5        | GGGG              |                          |                     |                      | 50                      | 21                     |
| 2614-18090        | 00000/0000                                     | 2-20034/0124     | 09/27/76         | 0              | 8562            | 5425N                              | 11911W                              | 30.2         | 151.3        | GGGG              |                          |                     |                      | 50                      | 22                     |
| 2614-18093        | 00000/0000                                     | 2-20034/0125     | 09/27/76         | 0              | 8562            | 5301N                              | 11956W                              | 31.2         | 150.2        | GGGG              |                          |                     |                      | 50                      | 23                     |
| 2614-18095        | 00000/0000                                     | 2-20034/0126     | 09/27/76         | 10             | 8562            | 5136N                              | 12038W                              | 32.2         | 149.1        | GGGG              |                          |                     |                      | 50                      | 24                     |
| 2614-18102        | 00000/0000                                     | 2-20034/0127     | 09/27/76         | 10             | 8562            | 5011N                              | 12119W                              | 33.2         | 148.0        | GGGG              |                          |                     |                      | 50                      | 25                     |
| 2614-23442        | 00000/0000                                     | 2-20034/0039     | 09/27/76         | 90             | 8565            | 3259S                              | 13825E                              | 39.1         | 61.7         | GGGG              |                          |                     |                      | 104                     | 83                     |
| 2614-23444        | 00000/0000                                     | 2-20034/0040     | 09/27/76         | 90             | 8565            | 3424S                              | 13759E                              | 38.1         | 60.9         | GGGG              |                          |                     |                      | 104                     | 84                     |
| 2615-01255        | 00000/0000                                     | 2-20034/0041     | 09/28/76         | 40             | 8566            | 2718S                              | 11414E                              | 42.6         | 65.1         | GGG               |                          |                     |                      | 122                     | 79                     |
| 2615-01262        | 00000/0000                                     | 2-20034/0042     | 09/28/76         | 50             | 8566            | 2844S                              | 11350E                              | 41.7         | 64.1         | FGGG              |                          |                     |                      | 122                     | 80                     |
| 2615-02502        | 00000/0000                                     | 2-20034/0163     | 09/28/76         | 70             | 8567            | 3724N                              | 10440E                              | 41.6         | 137.6        | GGGG              |                          |                     |                      | 140                     | 34                     |
| 2615-04304        | 00000/0000                                     | 2-20034/0164     | 09/28/76         | 10             | 8568            | 4721N                              | 08229E                              | 35.1         | 145.8        | GGGG              |                          |                     |                      | 158                     | 27                     |
| 2615-04311        | 00000/0000                                     | 2-20034/0165     | 09/28/76         | 10             | 8568            | 4556N                              | 08154E                              | 36.1         | 144.7        | GGGG              |                          |                     |                      | 158                     | 28                     |
| 2615-04313        | 00000/0000                                     | 2-20034/0008     | 09/28/76         | 70             | 8568            | 4430N                              | 08121E                              | 37.0         | 143.6        | GGGG              |                          |                     |                      | 158                     | 29                     |
| 2615-04320        | 00000/0000                                     | 2-20034/0009     | 09/28/76         | 70             | 8568            | 4305N                              | 08048E                              | 38.0         | 142.4        | GGGG              |                          |                     |                      | 158                     | 30                     |
| 2615-04322        | 00000/0000                                     | 2-20034/0010     | 09/28/76         | 40             | 8568            | 4140N                              | 08017E                              | 38.9         | 141.3        | GGGG              |                          |                     |                      | 158                     | 31                     |
| 2615-04325        | 00000/0000                                     | 2-20034/0011     | 09/28/76         | 0              | 8568            | 4016N                              | 07947E                              | 39.8         | 140.1        | GGGF              |                          |                     |                      | 158                     | 32                     |
| 2615-06165        | 00000/0000                                     | 2-20034/0012     | 09/28/76         | 70             | 8569            | 3723N                              | 05303E                              | 41.6         | 137.6        | GGGG              |                          |                     |                      | 176                     | 34                     |
| 2615-06172        | 00000/0000                                     | 2-20034/0013     | 09/28/76         | 50             | 8569            | 3557N                              | 05235E                              | 42.4         | 136.4        | FGGG              |                          |                     |                      | 176                     | 35                     |
| 2615-07540        | 00000/0000                                     | 2-20034/0014     | 09/28/76         | 70             | 8570            | 5834N                              | 03649E                              | 26.8         | 154.9        | GGGG              |                          |                     |                      | 194                     | 19                     |
| 2615-07542        | 00000/0000                                     | 2-20034/0015     | 09/28/76         | 70             | 8570            | 5711N                              | 03554E                              | 27.9         | 153.7        | GGGG              |                          |                     |                      | 194                     | 20                     |
| 2615-07545        | 00000/0000                                     | 2-20034/0016     | 09/28/76         | 100            | 8570            | 5547N                              | 03503E                              | 28.9         | 152.6        | GGGG              |                          |                     |                      | 194                     | 21                     |
| 2615-07551        | 00000/0000                                     | 2-20034/0017     | 09/28/76         | 90             | 8570            | 5423N                              | 03415E                              | 30.0         | 151.4        | GGGG              |                          |                     |                      | 194                     | 22                     |
| 2615-07554        | 00000/0000                                     | 2-20034/0018     | 09/28/76         | 90             | 8570            | 5259N                              | 03330E                              | 31.0         | 150.3        | GGGG              |                          |                     |                      | 194                     | 23                     |
| 2615-07560        | 00000/0000                                     | 2-20034/0019     | 09/28/76         | 90             | 8570            | 5135N                              | 03247E                              | 32.0         | 149.2        | GGGG              |                          |                     |                      | 194                     | 24                     |
| 2615-07563        | 00000/0000                                     | 2-20034/0020     | 09/28/76         | 60             | 8570            | 5010N                              | 03207E                              | 33.0         | 148.1        | FGGG              |                          |                     |                      | 194                     | 25                     |
| 2615-07565        | 00000/0000                                     | 2-20034/0021     | 09/28/76         | 50             | 8570            | 4846N                              | 03129E                              | 34.0         | 147.0        | GGGG              |                          |                     |                      | 194                     | 26                     |
| 2615-07572        | 00000/0000                                     | 2-20034/0022     | 09/28/76         | 20             | 8570            | 4720N                              | 03052E                              | 35.0         | 145.9        | GGGG              |                          |                     |                      | 194                     | 27                     |
| 2615-07574        | 00000/0000                                     | 2-20034/0023     | 09/28/76         | 30             | 8570            | 4555N                              | 03017E                              | 36.0         | 144.8        | GGGG              |                          |                     |                      | 194                     | 28                     |
| 2615-14495        | 00000/0000                                     | 2-20034/0133     | 09/28/76         | 60             | 8574            | 4848N                              | 07144W                              | 33.9         | 147.1        | GGG               |                          |                     |                      | 15                      | 26                     |
| 2615-16322        | 00000/0000                                     | 2-20034/0103     | 09/28/76         | 0              | 8575            | 5137N                              | 09415W                              | 31.9         | 149.3        | GGGG              |                          |                     |                      | 33                      | 24                     |
| 2615-16324        | 00000/0000                                     | 2-20034/0104     | 09/28/76         | 10             | 8575            | 5012N                              | 09655W                              | 32.9         | 148.2        | GGGG              |                          |                     |                      | 33                      | 25                     |
| 2615-16395        | 00000/0000                                     | 2-20034/0105     | 09/28/76         | 90             | 8575            | 2556N                              | 10512W                              | 47.6         | 126.7        | GGGG              |                          |                     |                      | 33                      | 42                     |
| 2615-16401        | 00000/0000                                     | 2-20034/0106     | 09/28/76         | 90             | 8575            | 2430N                              | 10535W                              | 48.2         | 125.1        | GGGG              |                          |                     |                      | 33                      | 43                     |
| 2615-16404        | 00000/0000                                     | 2-20034/0107     | 09/28/76         | 90             | 8575            | 2303N                              | 10557W                              | 48.8         | 123.5        | GGGG              |                          |                     |                      | 33                      | 44                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER,  
IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0504

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2616-16380        | 00000/0000                   | 2-20034/0230                | 09/29/76         | 0              | 8589            | 5139N                        | 09740W        | 31.5         | 149.5        | GGGG                               |                     |                      | 34                      | 24                     |
| 2616-16383        | 00000/0000                   | 2-20034/0231                | 09/29/76         | 10             | 8589            | 5014N                        | 09821W        | 32.5         | 148.5        | GGGG                               |                     |                      | 34                      | 25                     |
| 2616-16451        | 00000/0000                   | 2-20034/0232                | 09/29/76         | 80             | 8589            | 2724N                        | 10611W        | 46.7         | 128.7        | GGGG                               |                     |                      | 34                      | 41                     |
| 2616-16453        | 00000/0000                   | 2-20034/0233                | 09/29/76         | 80             | 8589            | 2559N                        | 10635W        | 47.3         | 127.2        | GGGG                               |                     |                      | 34                      | 42                     |
| 2616-16460        | 00000/0000                   | 2-20034/0234                | 09/29/76         | 90             | 8589            | 2432N                        | 10658W        | 48.0         | 125.6        | GGGG                               |                     |                      | 34                      | 43                     |
| 2616-16462        | 00000/0000                   | 2-20034/0235                | 09/29/76         | 90             | 8589            | 2305N                        | 10722W        | 48.6         | 124.0        | GGGG                               |                     |                      | 34                      | 44                     |
| 2616-16465        | 00000/0000                   | 2-20034/0236                | 09/29/76         | 100            | 8589            | 2139N                        | 10745W        | 49.2         | 122.4        | GGGG                               |                     |                      | 34                      | 45                     |
| 2616-16471        | 00000/0000                   | 2-20034/0237                | 09/29/76         | 100            | 8589            | 2012N                        | 10806W        | 49.7         | 120.7        | GGGG                               |                     |                      | 34                      | 46                     |
| 2616-18194        | 00000/0000                   | 2-20034/0238                | 09/29/76         | 90             | 8590            | 5714N                        | 12025W        | 27.3         | 154.0        | GGGG                               |                     |                      | 52                      | 20                     |
| 2616-18200        | 00000/0000                   | 2-20034/0239                | 09/29/76         | 90             | 8590            | 5550N                        | 12115W        | 28.4         | 152.9        | GGGG                               |                     |                      | 52                      | 21                     |
| 2616-18203        | 00000/0000                   | 2-20034/0240                | 09/29/76         | 100            | 8590            | 5426N                        | 12203W        | 29.4         | 151.8        | GGGG                               |                     |                      | 52                      | 22                     |
| 2616-18205        | 00000/0000                   | 2-20034/0241                | 09/29/76         | 90             | 8590            | 5302N                        | 12247W        | 30.5         | 150.6        | GGGG                               |                     |                      | 52                      | 23                     |
| 2616-18212        | 00000/0000                   | 2-20034/0242                | 09/29/76         | 80             | 8590            | 5139N                        | 12329W        | 31.5         | 149.6        | GGGG                               |                     |                      | 52                      | 24                     |
| 2616-18214        | 00000/0000                   | 2-20034/0243                | 09/29/76         | 70             | 8590            | 5013N                        | 12409W        | 32.5         | 148.5        | GGGG                               |                     |                      | 52                      | 25                     |
| 2616-23554        | 00000/0000                   | 2-20034/0149                | 09/29/76         | 30             | 8593            | 3256S                        | 13534E        | 39.7         | 62.3         | GGGG                               |                     |                      | 106                     | 83                     |
| 2616-23560        | 00000/0000                   | 2-20034/0150                | 09/29/76         | 30             | 8593            | 3421S                        | 13508E        | 38.8         | 61.6         | GGGG                               |                     |                      | 106                     | 84                     |
| 2617-03012        | 00000/0000                   | 2-20034/0151                | 09/30/76         | 10             | 8595            | 3852N                        | 10717E        | 40.1         | 139.6        | GGGG                               |                     |                      | 142                     | 33                     |
| 2617-03015        | 00000/0000                   | 2-20034/0152                | 09/30/76         | 0              | 8595            | 3726N                        | 10149E        | 41.0         | 138.3        | GGGG                               |                     |                      | 142                     | 34                     |
| 2617-04441        | 00000/0000                   | 2-20034/0155                | 09/30/76         | 20             | 8596            | 4016N                        | 07658E        | 39.2         | 140.8        | GGGG                               |                     |                      | 160                     | 32                     |
| 2617-04444        | 00000/0000                   | 2-20034/0156                | 09/30/76         | 10             | 8596            | 3851N                        | 07629E        | 40.1         | 139.6        | GGGG                               |                     |                      | 160                     | 33                     |
| 2617-06275        | 00000/0000                   | 2-20034/0157                | 09/30/76         | 10             | 8597            | 3850N                        | 05039E        | 40.1         | 139.6        | GGGG                               |                     |                      | 178                     | 33                     |
| 2617-06282        | 00000/0000                   | 2-20034/0158                | 09/30/76         | 10             | 8597            | 3725N                        | 05010E        | 41.0         | 138.4        | GGGG                               |                     |                      | 178                     | 34                     |
| 2617-06300        | 00000/0000                   | 2-20034/0159                | 09/30/76         | 0              | 8597            | 3141N                        | 04825E        | 44.3         | 133.2        | GGGG                               |                     |                      | 178                     | 35                     |
| 2617-06302        | 00000/0000                   | 2-20034/0160                | 09/30/76         | 0              | 8597            | 3015N                        | 04800E        | 45.1         | 131.8        | GGGG                               |                     |                      | 178                     | 39                     |
| 2617-08063        | 00000/0000                   | 2-20034/0174                | 09/30/76         | 10             | 8598            | 5425N                        | 03126E        | 29.2         | 151.9        | GGGG                               |                     |                      | 196                     | 22                     |
| 2617-08070        | 00000/0000                   | 2-20034/0175                | 09/30/76         | 10             | 8598            | 5301N                        | 03041E        | 30.3         | 150.8        | GGGG                               |                     |                      | 196                     | 23                     |
| 2617-08072        | 00000/0000                   | 2-20034/0176                | 09/30/76         | 70             | 8598            | 5136N                        | 02959E        | 31.3         | 149.7        | FGGG                               |                     |                      | 196                     | 24                     |
| 2617-08075        | 00000/0000                   | 2-20034/0177                | 09/30/76         | 100            | 8598            | 5011N                        | 02918E        | 32.3         | 148.6        | GGGG                               |                     |                      | 196                     | 25                     |
| 2617-08081        | 00000/0000                   | 2-20034/0178                | 09/30/76         | 90             | 8598            | 4846N                        | 02840E        | 33.4         | 147.5        | FGGG                               |                     |                      | 196                     | 26                     |
| 2617-08084        | 00000/0000                   | 2-20034/0179                | 09/30/76         | 60             | 8598            | 4722N                        | 02803E        | 34.4         | 146.4        | GGGG                               |                     |                      | 196                     | 27                     |
| 2617-08090        | 00000/0000                   | 2-20034/0180                | 09/30/76         | 80             | 8598            | 4557N                        | 02728E        | 35.3         | 145.3        | FGGG                               |                     |                      | 196                     | 28                     |
| 2617-15003        | 00000/0000                   | 2-20034/0172                | 09/30/76         | 90             | 8602            | 5138N                        | 07319W        | 31.2         | 149.8        | GGGG                               |                     |                      | 17                      | 24                     |
| 2617-15005        | 00000/0000                   | 2-20034/0173                | 09/30/76         | 70             | 8602            | 5013N                        | 07359W        | 32.2         | 148.7        | GGGG                               |                     |                      | 17                      | 25                     |
| 2617-16432        | 00000/0000                   | 2-20034/0222                | 09/30/76         | 90             | 8603            | 5303N                        | 09823W        | 30.1         | 150.9        | GGGG                               |                     |                      | 35                      | 23                     |
| 2617-16434        | 00000/0000                   | 2-20034/0223                | 09/30/76         | 30             | 8603            | 5138N                        | 09906W        | 31.2         | 149.8        | GGGG                               |                     |                      | 35                      | 24                     |
| 2617-16441        | 00000/0000                   | 2-20034/0224                | 09/30/76         | 20             | 8603            | 5014N                        | 09946W        | 32.2         | 148.7        | GGGG                               |                     |                      | 35                      | 25                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2615-16410        | 00000/0000                   | 2-20034/0108                | 09/28/76         | 90             | 8575            | 2137N                              | 10620W                              | 49.4         | 121.8        |                                    |                     |                      |                         |                        |
| 2615-16413        | 00000/0000                   | 2-20034/0109                | 09/28/76         | 100            | 8575            | 2011N                              | 10642W                              | 49.9         | 120.1        | GGGG                               |                     |                      | 33                      | 45                     |
| 2615-18060        | 2-20034/1232                 | 00000/0000                  | 09/28/76         | 50             | 8576            | 8010N                              | 06557W                              | 6.4          | 208.1        | GGGG                               |                     |                      | 33                      | 46                     |
| 2615-18063        | 2-20034/1233                 | 00000/0000                  | 09/28/76         | 40             | 8576            | 7928N                              | 07318W                              | 7.6          | 200.9        | FGF                                |                     |                      | 50                      | 1                      |
| 2615-18065        | 2-20034/1234                 | 00000/0000                  | 09/28/76         | 30             | 8576            | 7839N                              | 07941W                              | 8.7          | 194.6        | GGG                                |                     |                      | 51                      | 2                      |
| 2615-18072        | 2-20034/1235                 | 00000/0000                  | 09/28/76         | 70             | 8576            | 7742N                              | 08512W                              | 9.9          | 189.2        | GGG                                |                     |                      | 51                      | 3                      |
| 2615-18142        | 00000/0000                   | 2-20034/0110                | 09/28/76         | 20             | 8576            | 5550N                              | 11949W                              | 28.7         | 152.7        | G G                                |                     |                      | 51                      | 4                      |
| 2615-18145        | 00000/0000                   | 2-20034/0111                | 09/28/76         | 50             | 8576            | 5426N                              | 12037W                              | 29.8         | 151.5        | GGGG                               |                     |                      | 51                      | 21                     |
| 2615-18151        | 00000/0000                   | 2-20034/0112                | 09/28/76         | 70             | 8576            | 5301N                              | 12121W                              | 30.8         | 150.4        | GGGG                               |                     |                      | 51                      | 22                     |
| 2615-18154        | 00000/0000                   | 2-20034/0113                | 09/28/76         | 60             | 8576            | 5137N                              | 12204W                              | 31.9         | 149.3        | GGGG                               |                     |                      | 51                      | 23                     |
| 2615-18160        | 00000/0000                   | 2-20034/0114                | 09/28/76         | 50             | 8576            | 5012N                              | 12244W                              | 32.9         | 148.2        | GGGG                               |                     |                      | 51                      | 24                     |
| 2615-23500        | 00000/0000                   | 2-20034/0024                | 09/28/76         | 50             | 8579            | 3302S                              | 13659E                              | 39.4         | 61.9         | GGGG                               |                     |                      | 51                      | 25                     |
| 2615-23502        | 00000/0000                   | 2-20034/0025                | 09/28/76         | 30             | 8579            | 3427S                              | 13633E                              | 38.5         | 61.2         | GGGG                               |                     |                      | 105                     | 83                     |
| 2616-02560        | 00000/0000                   | 2-20034/0166                | 09/29/76         | 0              | 8581            | 3725N                              | 10313E                              | 41.3         | 138.0        | GGGG                               |                     |                      | 105                     | 84                     |
| 2616-02563        | 00000/0000                   | 2-20034/0167                | 09/29/76         | 10             | 8581            | 3559N                              | 10246E                              | 42.2         | 136.7        | FGFG                               |                     |                      | 141                     | 34                     |
| 2616-04372        | 00000/0000                   | 2-20034/0168                | 09/29/76         | 90             | 8582            | 4432N                              | 07956E                              | 36.7         | 143.9        | GGGG                               |                     |                      | 141                     | 35                     |
| 2616-04390        | 00000/0000                   | 2-20034/0169                | 09/29/76         | 10             | 8582            | 3850N                              | 07753E                              | 40.4         | 139.2        | GGGG                               |                     |                      | 159                     | 29                     |
| 2616-06221        | 00000/0000                   | 2-20034/0153                | 09/29/76         | 70             | 8583            | 3850N                              | 05205E                              | 40.4         | 139.2        | GGGG                               |                     |                      | 159                     | 33                     |
| 2616-06224        | 00000/0000                   | 2-20034/0154                | 09/29/76         | 80             | 8583            | 3725N                              | 05137E                              | 41.3         | 138.0        | GGGG                               |                     |                      | 177                     | 33                     |
| 2616-06230        | 00000/0000                   | 2-20034/0134                | 09/29/76         | 30             | 8583            | 3559N                              | 05110E                              | 42.1         | 136.8        | GGGG                               |                     |                      | 177                     | 34                     |
| 2616-06233        | 00000/0000                   | 2-20034/0135                | 09/29/76         | 0              | 8583            | 3433N                              | 05043E                              | 43.0         | 135.5        | GGG                                |                     |                      | 177                     | 35                     |
| 2616-06235        | 00000/0000                   | 2-20034/0136                | 09/29/76         | 0              | 8583            | 3307N                              | 05017E                              | 43.8         | 134.1        | GGG                                |                     |                      | 177                     | 36                     |
| 2616-06242        | 00000/0000                   | 2-20034/0137                | 09/29/76         | 0              | 8583            | 3141N                              | 04952E                              | 44.6         | 132.8        | GGGG                               |                     |                      | 177                     | 37                     |
| 2616-06244        | 00000/0000                   | 2-20034/0138                | 09/29/76         | 0              | 8583            | 3015N                              | 04927E                              | 45.3         | 131.4        | GGGG                               |                     |                      | 177                     | 38                     |
| 2616-07594        | 00000/0000                   | 2-20034/0139                | 09/29/76         | 10             | 8584            | 5876N                              | 03524E                              | 26.4         | 155.1        | GGGG                               |                     |                      | 177                     | 39                     |
| 2616-08000        | 00000/0000                   | 2-20034/0140                | 09/29/76         | 10             | 8584            | 5713N                              | 03429E                              | 27.5         | 153.9        | GGGG                               |                     |                      | 195                     | 19                     |
| 2616-08003        | 00000/0000                   | 2-20034/0141                | 09/29/76         | 10             | 8584            | 5549N                              | 03338E                              | 28.5         | 152.8        | GGGG                               |                     |                      | 195                     | 20                     |
| 2616-08005        | 00000/0000                   | 2-20034/0142                | 09/29/76         | 30             | 8584            | 5425N                              | 03251E                              | 29.6         | 151.7        | FGGG                               |                     |                      | 195                     | 21                     |
| 2616-08012        | 00000/0000                   | 2-20034/0143                | 09/29/76         | 50             | 8584            | 5300N                              | 03206E                              | 30.6         | 150.5        | GGGG                               |                     |                      | 195                     | 22                     |
| 2616-08014        | 00000/0000                   | 2-20034/0144                | 09/29/76         | 100            | 8584            | 5136N                              | 03124E                              | 31.7         | 149.4        | GGGG                               |                     |                      | 195                     | 23                     |
| 2616-08021        | 00000/0000                   | 2-20034/0145                | 09/29/76         | 90             | 8584            | 5012N                              | 03043E                              | 32.7         | 148.3        | GGGG                               |                     |                      | 195                     | 24                     |
| 2616-08023        | 00000/0000                   | 2-20034/0146                | 09/29/76         | 70             | 8584            | 4847N                              | 03005E                              | 33.7         | 147.3        | GGGG                               |                     |                      | 195                     | 25                     |
| 2616-08030        | 00000/0000                   | 2-20034/0147                | 09/29/76         | 10             | 8584            | 4722N                              | 02928E                              | 34.7         | 146.2        | GGGG                               |                     |                      | 195                     | 26                     |
| 2616-08032        | 00000/0000                   | 2-20034/0148                | 09/29/76         | 0              | 8584            | 4557N                              | 02853E                              | 35.7         | 145.0        | FGGG                               |                     |                      | 195                     | 27                     |
| 2616-14551        | 00000/0000                   | 2-20034/0170                | 09/29/76         | 100            | 8588            | 5013N                              | 07235W                              | 32.6         | 148.4        | GGGG                               |                     |                      | 16                      | 25                     |
| 2616-14554        | 00000/0000                   | 2-20034/0171                | 09/29/76         | 100            | 8588            | 4848N                              | 07313W                              | 33.6         | 147.3        | GGGG                               |                     |                      | 16                      | 26                     |

KEYS: CLOUD COVER : ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD P=POOR F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2617-16505        | 00000/0000                                     | 2-20034/0225     | 09/30/76       | 90              | 8603                               | 2725N                               | 10738W       | 46.4         | 129.2             | GGGG        |                     |                      | 35                      | 41                     |
| 2617-16511        | 00000/0000                                     | 2-20034/0226     | 09/30/76       | 90              | 8603                               | 2559N                               | 10802W       | 47.1         | 127.7             | GGGG        |                     |                      | 35                      | 42                     |
| 2617-16514        | 00000/0000                                     | 2-20034/0227     | 09/30/76       | 100             | 8603                               | 2432N                               | 10825W       | 47.8         | 126.1             | GGGG        |                     |                      | 35                      | 43                     |
| 2617-16520        | 00000/0000                                     | 2-20034/0228     | 09/30/76       | 100             | 8603                               | 2306N                               | 10848W       | 48.4         | 124.6             | GGGG        |                     |                      | 35                      | 44                     |
| 2617-16523        | 00000/0000                                     | 2-20034/0229     | 09/30/76       | 100             | 8603                               | 2140N                               | 10910W       | 49.0         | 122.9             | GGGG        |                     |                      | 35                      | 45                     |
| 2617-20043        | 00000/0000                                     | 2-20034/0161     | 09/30/76       | 90              | 8605                               | 7044N                               | 13359W       | 15.9         | 169.4             | GGGG        |                     |                      | 71                      | 10                     |
| 2617-20045        | 00000/0000                                     | 2-20034/0162     | 09/30/76       | 90              | 8605                               | 6927N                               | 13403W       | 17.0         | 167.3             | GGGG        |                     |                      | 71                      | 11                     |
| 2618-00010        | 00000/0000                                     | 2-20034/0181     | 10/01/76       | 100             | 8607                               | 3134S                               | 13433E       | 40.9         | 63.4              | GGGG        |                     |                      | 107                     | 82                     |
| 2618-00012        | 00000/0000                                     | 2-20034/0182     | 10/01/76       | 90              | 8607                               | 3259S                               | 13408E       | 40.0         | 62.6              | GGGG        |                     |                      | 107                     | 83                     |
| 2618-03070        | 00000/0000                                     | 2-20034/0183     | 10/01/76       | 70              | 8609                               | 3849N                               | 10050E       | 39.8         | 139.9             | GGGG        |                     |                      | 143                     | 33                     |
| 2618-04495        | 00000/0000                                     | 2-20034/0205     | 10/01/76       | 10              | 8610                               | 4017N                               | 07532E       | 38.9         | 141.1             | GGGG        |                     |                      | 161                     | 32                     |
| 2618-06331        | 00000/0000                                     | 2-20034/0206     | 10/01/76       | 10              | 8611                               | 4015N                               | 04943E       | 38.9         | 141.1             | FFGF        |                     |                      | 179                     | 32                     |
| 2618-06334        | 00000/0000                                     | 2-20034/0207     | 10/01/76       | 10              | 8611                               | 3850N                               | 04914E       | 39.8         | 139.9             | FFGF        |                     |                      | 179                     | 33                     |
| 2618-06340        | 00000/0000                                     | 2-20034/0208     | 10/01/76       | 20              | 8611                               | 3725N                               | 04845E       | 40.7         | 138.7             | GGGG        |                     |                      | 179                     | 34                     |
| 2618-06343        | 00000/0000                                     | 2-20034/0209     | 10/01/76       | 20              | 8611                               | 3559N                               | 04817E       | 41.5         | 137.5             | GGGG        |                     |                      | 179                     | 35                     |
| 2618-06345        | 00000/0000                                     | 2-20034/0210     | 10/01/76       | 30              | 8611                               | 3434N                               | 04749E       | 42.4         | 136.3             | GGGG        |                     |                      | 179                     | 36                     |
| 2618-06352        | 00000/0000                                     | 2-20034/0211     | 10/01/76       | 50              | 8611                               | 3308N                               | 04723E       | 43.2         | 135.0             | GGGG        |                     |                      | 179                     | 37                     |
| 2618-06354        | 00000/0000                                     | 2-20034/0212     | 10/01/76       | 40              | 8611                               | 3142N                               | 04658E       | 44.0         | 133.6             | GGGG        |                     |                      | 179                     | 38                     |
| 2618-08122        | 00000/0000                                     | 2-20034/0213     | 10/01/76       | 10              | 8612                               | 5425N                               | 03002E       | 28.9         | 152.1             | GGGG        |                     |                      | 197                     | 22                     |
| 2618-08124        | 00000/0000                                     | 2-20034/0214     | 10/01/76       | 0               | 8612                               | 5302N                               | 02916E       | 29.9         | 151.0             | GGGG        |                     |                      | 197                     | 23                     |
| 2618-08131        | 00000/0000                                     | 2-20034/0215     | 10/01/76       | 10              | 8612                               | 5138N                               | 02834E       | 31.0         | 149.9             | GGGG        |                     |                      | 197                     | 24                     |
| 2618-08140        | 00000/0000                                     | 2-20034/0216     | 10/01/76       | 80              | 8612                               | 4848N                               | 02714E       | 33.0         | 147.8             | GGGG        |                     |                      | 197                     | 26                     |
| 2618-08142        | 00000/0000                                     | 2-20034/0217     | 10/01/76       | 100             | 8612                               | 4723N                               | 02637E       | 34.0         | 146.7             | GGGG        |                     |                      | 197                     | 27                     |
| 2618-15064        | 00000/0000                                     | 2-20034/0245     | 10/01/76       | 80              | 8616                               | 5011N                               | 07527W       | 31.9         | 148.9             | FFGG        |                     |                      | 18                      | 25                     |
| 2618-16493        | 00000/0000                                     | 2-20034/0327     | 10/01/76       | 80              | 8617                               | 5136N                               | 10033W       | 30.9         | 150.0             | GGGG        |                     |                      | 36                      | 24                     |
| 2618-16495        | 00000/0000                                     | 2-20034/0328     | 10/01/76       | 60              | 8617                               | 5011N                               | 10113W       | 31.9         | 148.9             | FFGG        |                     |                      | 36                      | 25                     |
| 2618-20101        | 00000/0000                                     | 2-20034/0382     | 10/01/76       | 80              | 8619                               | 7044N                               | 13527W       | 15.5         | 169.5             | GGGG        |                     |                      | 72                      | 10                     |
| 2619-03122        | 00000/0000                                     | 2-20034/0218     | 10/02/76       | 20              | 8623                               | 4015N                               | 09953E       | 38.6         | 141.4             | GGGG        |                     |                      | 144                     | 32                     |
| 2619-03125        | 00000/0000                                     | 2-20034/0219     | 10/02/76       | 10              | 8623                               | 3850N                               | 09924E       | 39.5         | 140.2             | GGGG        |                     |                      | 144                     | 33                     |
| 2619-05004        | 00000/0000                                     | 2-20034/0220     | 10/02/76       | 40              | 8624                               | 2272N                               | 06900E       | 48.1         | 125.3             | GGGG        |                     |                      | 162                     | 44                     |
| 2619-06342        | 00000/0000                                     | 2-20034/0184     | 10/02/76       | 100             | 8625                               | 5546N                               | 05509E       | 27.5         | 153.3             | FFG         |                     |                      | 180                     | 21                     |
| 2619-06383        | 00000/0000                                     | 2-20034/0185     | 10/02/76       | 90              | 8625                               | 4139N                               | 04845E       | 37.6         | 142.5             | FFGG        |                     |                      | 180                     | 31                     |
| 2619-06385        | 00000/0000                                     | 2-20034/0186     | 10/02/76       | 90              | 8625                               | 4014N                               | 04815E       | 38.6         | 141.4             | FFGG        |                     |                      | 180                     | 32                     |
| 2619-06392        | 00000/0000                                     | 2-20034/0187     | 10/02/76       | 40              | 8625                               | 3848N                               | 04746E       | 39.5         | 140.2             | FFGG        |                     |                      | 180                     | 33                     |
| 2619-06394        | 00000/0000                                     | 2-20034/0188     | 10/02/76       | 10              | 8625                               | 3722N                               | 04717E       | 40.4         | 139.0             | GGGG        |                     |                      | 180                     | 34                     |
| 2619-06401        | 00000/0000                                     | 2-20034/0189     | 10/02/76       | 0               | 8625                               | 3556N                               | 04650E       | 41.3         | 137.8             | GGGG        |                     |                      | 180                     | 35                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI NO./<br>POSITION IN RELI<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2619-06403        | 00000/0000                                     | 2-20034/0190 | 10/02/76         | 0              | 8625            | 3430N                              | 04623E                              | 42.1         | 136.6        | GGGG                  |                     |                      |                         |                        |
| 2619-06410        | 00000/0000                                     | 2-20034/0191 | 10/02/76         | 0              | 8625            | 3305N                              | 04557E                              | 43.0         | 135.3        | GGGG                  |                     |                      | 180                     | 36                     |
| 2619-08173        | 00000/0000                                     | 2-20034/0192 | 10/02/76         | 60             | 8626            | 5547N                              | 02922E                              | 27.5         | 153.3        | GGGG                  |                     |                      | 180                     | 37                     |
| 2619-08180        | 00000/0000                                     | 2-20034/0193 | 10/02/76         | 20             | 8626            | 5423N                              | 02834E                              | 28.6         | 152.2        | GGGG                  |                     |                      | 198                     | 21                     |
| 2619-08182        | 00000/0000                                     | 2-20034/0194 | 10/02/76         | 30             | 8626            | 5259N                              | 02749E                              | 29.6         | 151.2        | GGGG                  |                     |                      | 198                     | 22                     |
| 2619-08185        | 00000/0000                                     | 2-20034/0195 | 10/02/76         | 90             | 8626            | 5134N                              | 02706E                              | 30.7         | 150.1        | GGGG                  |                     |                      | 198                     | 23                     |
| 2619-08191        | 00000/0000                                     | 2-20034/0196 | 10/02/76         | 100            | 8626            | 5010N                              | 02625E                              | 31.7         | 149.0        | GGGG                  |                     |                      | 198                     | 24                     |
| 2619-08194        | 00000/0000                                     | 2-20034/0197 | 10/02/76         | 100            | 8626            | 4845N                              | 02546E                              | 32.7         | 148.0        | GGGG                  |                     |                      | 198                     | 25                     |
| 2619-12114        | 00000/0000                                     | 2-20034/0198 | 10/02/76         | 50             | 8628            | 3839S                              | 04950W                              | 36.8         | 60.3         | GGGG                  |                     |                      | 234                     | 87                     |
| 2619-15122        | 00000/0000                                     | 2-20034/0244 | 10/02/76         | 10             | 8630            | 5011N                              | 07651W                              | 31.6         | 149.1        | GGGG                  |                     |                      | 19                      | 25                     |
| 2619-16551        | 00000/0000                                     | 2-20034/0331 | 10/02/76         | 20             | 8631            | 5136N                              | 10159W                              | 30.5         | 150.2        | GGG                   |                     |                      | 37                      | 24                     |
| 2619-16553        | 00000/0000                                     | 2-20034/0332 | 10/02/76         | 80             | 8631            | 5011N                              | 10239W                              | 31.5         | 149.1        | GGGP                  |                     |                      | 37                      | 25                     |
| 2619-20155        | 00000/0000                                     | 2-20034/0221 | 10/02/76         | 90             | 8633            | 7042N                              | 13653W                              | 15.1         | 169.5        | GGGF                  |                     |                      | 73                      | 10                     |
| 2620-00122        | 00000/0000                                     | 2-20034/0199 | 10/03/76         | 50             | 8635            | 3132S                              | 13141E                              | 41.5         | 64.1         | FGGG                  |                     |                      | 109                     | 82                     |
| 2620-01372        | 00000/0000                                     | 2-20034/0200 | 10/03/76         | 40             | 8636            | 3140N                              | 12135E                              | 43.6         | 134.3        | GGGG                  |                     |                      | 127                     | 38                     |
| 2620-01374        | 00000/0000                                     | 2-20034/0201 | 10/03/76         | 10             | 8636            | 3015N                              | 12111E                              | 44.4         | 133.0        | GGGG                  |                     |                      | 127                     | 39                     |
| 2620-03180        | 00000/0000                                     | 2-20034/0202 | 10/03/76         | 10             | 8637            | 4015N                              | 09827E                              | 38.3         | 141.7        | GGGG                  |                     |                      | 145                     | 32                     |
| 2620-03183        | 00000/0000                                     | 2-20034/0203 | 10/03/76         | 30             | 8637            | 3850N                              | 09758E                              | 39.2         | 140.5        | GGGG                  |                     |                      | 145                     | 33                     |
| 2620-03215        | 00000/0000                                     | 2-20034/0204 | 10/03/76         | 60             | 8637            | 2723N                              | 09432E                              | 45.9         | 130.2        | GGGG                  |                     |                      | 145                     | 41                     |
| 2620-06400        | 00000/0000                                     | 2-20034/0414 | 10/03/76         | 90             | 8639            | 5547N                              | 05343E                              | 27.1         | 153.5        | G                     |                     |                      | 181                     | 21                     |
| 2620-06405        | 00000/0000                                     | 2-20034/0246 | 10/03/76         | 80             | 8639            | 5300N                              | 05210E                              | 29.3         | 151.4        | GGFG                  |                     |                      | 181                     | 23                     |
| 2620-06412        | 00000/0000                                     | 2-20034/0247 | 10/03/76         | 90             | 8639            | 5135N                              | 05128E                              | 30.3         | 150.3        | GGFG                  |                     |                      | 181                     | 24                     |
| 2620-06430        | 00000/0000                                     | 2-20034/0248 | 10/03/76         | 100            | 8639            | 4556N                              | 04857E                              | 34.4         | 146.1        | FGGG                  |                     |                      | 181                     | 28                     |
| 2620-06432        | 00000/0000                                     | 2-20034/0249 | 10/03/76         | 100            | 8639            | 4431N                              | 04824E                              | 35.4         | 145.0        | GGGG                  |                     |                      | 181                     | 29                     |
| 2620-06435        | 00000/0000                                     | 2-20034/0250 | 10/03/76         | 90             | 8639            | 4305N                              | 04751E                              | 36.4         | 143.9        | GGGG                  |                     |                      | 181                     | 30                     |
| 2620-06441        | 00000/0000                                     | 2-20034/0251 | 10/03/76         | 90             | 8639            | 4140N                              | 04720E                              | 37.3         | 142.8        | GGGG                  |                     |                      | 181                     | 31                     |
| 2620-06444        | 00000/0000                                     | 2-20034/0252 | 10/03/76         | 50             | 8639            | 4015N                              | 04650E                              | 38.3         | 141.7        | GGGG                  |                     |                      | 181                     | 32                     |
| 2620-06450        | 00000/0000                                     | 2-20034/0253 | 10/03/76         | 10             | 8639            | 3849N                              | 04621E                              | 39.2         | 140.6        | GGGG                  |                     |                      | 181                     | 33                     |
| 2620-06453        | 00000/0000                                     | 2-20034/0254 | 10/03/76         | 0              | 8639            | 3723N                              | 04553E                              | 40.1         | 139.4        | GGGG                  |                     |                      | 181                     | 34                     |
| 2620-06455        | 00000/0000                                     | 2-20034/0255 | 10/03/76         | 0              | 8639            | 3558N                              | 04525E                              | 41.0         | 138.2        | GGGG                  |                     |                      | 181                     | 35                     |
| 2620-06462        | 00000/0000                                     | 2-20034/0256 | 10/03/76         | 0              | 8639            | 3432N                              | 04458E                              | 41.9         | 137.0        | GGGG                  |                     |                      | 181                     | 36                     |
| 2620-06464        | 00000/0000                                     | 2-20034/0257 | 10/03/76         | 0              | 8639            | 3306N                              | 04432E                              | 42.7         | 135.7        | GGGG                  |                     |                      | 181                     | 37                     |
| 2620-06471        | 00000/0000                                     | 2-20034/0258 | 10/03/76         | 0              | 8639            | 3140N                              | 04407E                              | 43.5         | 134.4        | FGGG                  |                     |                      | 181                     | 38                     |
| 2620-08241        | 00000/0000                                     | 2-20034/0259 | 10/03/76         | 10             | 8640            | 5259N                              | 02622E                              | 29.3         | 151.4        | GGGG                  |                     |                      | 199                     | 23                     |
| 2620-08243        | 00000/0000                                     | 2-20034/0260 | 10/03/76         | 80             | 8640            | 5135N                              | 02539E                              | 30.3         | 150.3        | GGGG                  |                     |                      | 199                     | 24                     |
| 2620-08250        | 00000/0000                                     | 2-20034/0261 | 10/03/76         | 90             | 8640            | 5010N                              | 02459E                              | 31.3         | 149.3        | GGGG                  |                     |                      | 199                     | 25                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|-------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                                                |              |                  |             |                 |                                    |                                     |              |              | 123 45678             |                     |                      |                         |                        |
| 2620-08252        | 00000/0000                                     | 2-20034/0262 | 10/03/76         | 90          | 8640            | 4845N                              | 02421E                              | 32.4         | 148.2        | GGGG                  |                     |                      | 199                     | 26                     |
| 2620-08255        | 00000/0000                                     | 2-20034/0263 | 10/03/76         | 30          | 8640            | 4720N                              | 02344E                              | 33.4         | 147.2        | GGGG                  |                     |                      | 199                     | 27                     |
| 2620-12172        | 00000/0000                                     | 2-20034/0264 | 10/03/76         | 40          | 8642            | 3841S                              | 05115W                              | 37.1         | 60.6         | GGGG                  |                     |                      | 235                     | 87                     |
| 2620-17003        | 00000/0000                                     | 2-20034/0333 | 10/03/76         | 80          | 8645            | 5257N                              | 10244W                              | 29.2         | 151.4        | GGGG                  |                     |                      | 38                      | 23                     |
| 2620-17005        | 00000/0000                                     | 2-20034/0334 | 10/03/76         | 90          | 8645            | 5133N                              | 10326W                              | 30.2         | 150.4        | GGGG                  |                     |                      | 38                      | 24                     |
| 2620-20213        | 00000/0000                                     | 2-20034/0390 | 10/03/76         | 70          | 8647            | 7042N                              | 13823W                              | 14.8         | 169.6        | GGG                   |                     |                      | 74                      | 10                     |
| 2620-22042        | 00000/0000                                     | 2-20034/0391 | 10/03/76         | 100         | 8648            | 7157N                              | 16153W                              | 13.6         | 171.9        | GGGG                  |                     |                      | 92                      | 9                      |
| 2621-01412        | 00000/0000                                     | 2-20034/0415 | 10/04/76         | 10          | 8650            | 3721N                              | 12151E                              | 39.9         | 139.6        | GGFF                  |                     |                      | 128                     | 36                     |
| 2621-01415        | 00000/0000                                     | 2-20034/0307 | 10/04/76         | 10          | 8650            | 3556N                              | 12124E                              | 40.8         | 138.5        | FFGG                  |                     |                      | 128                     | 35                     |
| 2621-01421        | 00000/0000                                     | 2-20034/0308 | 10/04/76         | 20          | 8650            | 3430N                              | 12057E                              | 41.6         | 137.2        | FFFG                  |                     |                      | 128                     | 34                     |
| 2621-01430        | 00000/0000                                     | 2-20034/0309 | 10/04/76         | 20          | 8650            | 3138N                              | 12007E                              | 43.3         | 134.7        | GGGG                  |                     |                      | 128                     | 38                     |
| 2621-01433        | 00000/0000                                     | 2-20034/0310 | 10/04/76         | 30          | 8650            | 3012N                              | 11942E                              | 44.1         | 133.4        | GGGG                  |                     |                      | 128                     | 39                     |
| 2621-01435        | 00000/0000                                     | 2-20034/0311 | 10/04/76         | 20          | 8650            | 2846N                              | 11918E                              | 44.9         | 132.0        | GGFG                  |                     |                      | 128                     | 40                     |
| 2621-01442        | 00000/0000                                     | 2-20034/0312 | 10/04/76         | 10          | 8650            | 2720N                              | 11854E                              | 45.7         | 130.6        | GGGG                  |                     |                      | 128                     | 41                     |
| 2621-01444        | 00000/0000                                     | 2-20034/0313 | 10/04/76         | 40          | 8650            | 2554N                              | 11832E                              | 46.4         | 129.2        | GGGG                  |                     |                      | 128                     | 42                     |
| 2621-03235        | 00000/0000                                     | 2-20034/0314 | 10/04/76         | 10          | 8651            | 4012N                              | 09701E                              | 38.0         | 142.0        | GGGG                  |                     |                      | 146                     | 32                     |
| 2621-06454        | 00000/0000                                     | 2-20034/0315 | 10/04/76         | 80          | 8653            | 5544N                              | 05215E                              | 26.8         | 153.7        | GGGG                  |                     |                      | 182                     | 21                     |
| 2621-06461        | 00000/0000                                     | 2-20034/0316 | 10/04/76         | 90          | 8653            | 5421N                              | 05128E                              | 27.9         | 152.6        | GGGF                  |                     |                      | 182                     | 22                     |
| 2621-06463        | 00000/0000                                     | 2-20034/0317 | 10/04/76         | 90          | 8653            | 5257N                              | 05043E                              | 29.0         | 151.5        | GGGG                  |                     |                      | 182                     | 23                     |
| 2621-06470        | 00000/0000                                     | 2-20034/0318 | 10/04/76         | 80          | 8653            | 5132N                              | 05000E                              | 30.0         | 150.5        | GGGG                  |                     |                      | 182                     | 24                     |
| 2621-06484        | 00000/0000                                     | 2-20034/0319 | 10/04/76         | 10          | 8653            | 4553N                              | 04729E                              | 34.1         | 146.3        | GGGF                  |                     |                      | 182                     | 28                     |
| 2621-06490        | 00000/0000                                     | 2-20034/0320 | 10/04/76         | 10          | 8653            | 4428N                              | 04656E                              | 35.1         | 145.3        | FFGF                  |                     |                      | 182                     | 29                     |
| 2621-06493        | 00000/0000                                     | 2-20034/0321 | 10/04/76         | 20          | 8653            | 4302N                              | 04623E                              | 36.1         | 144.2        | GGGG                  |                     |                      | 182                     | 30                     |
| 2621-06495        | 00000/0000                                     | 2-20034/0322 | 10/04/76         | 40          | 8653            | 4136N                              | 04553E                              | 37.0         | 143.1        | GGGG                  |                     |                      | 182                     | 31                     |
| 2621-08292        | 00000/0000                                     | 2-20034/0323 | 10/04/76         | 100         | 8654            | 5423N                              | 02539E                              | 27.8         | 152.6        | GGGG                  |                     |                      | 200                     | 22                     |
| 2621-08295        | 00000/0000                                     | 2-20034/0324 | 10/04/76         | 90          | 8654            | 5259N                              | 02455E                              | 28.9         | 151.6        | GGGG                  |                     |                      | 200                     | 23                     |
| 2621-08301        | 00000/0000                                     | 2-20034/0325 | 10/04/76         | 70          | 8654            | 5135N                              | 02412E                              | 29.9         | 150.5        | GGGG                  |                     |                      | 200                     | 24                     |
| 2621-08304        | 00000/0000                                     | 2-20034/0326 | 10/04/76         | 90          | 8654            | 5011N                              | 02332E                              | 31.0         | 149.5        | GGGG                  |                     |                      | 200                     | 25                     |
| 2621-13530        | 2-20034/1236                                   | 00000/0000   | 10/04/76         | 20          | 8657            | 0705N                              | 06649W                              | 52.6         | 107.1        | GGG                   |                     |                      | 3                       | 55                     |
| 2621-13532        | 2-20034/1237                                   | 00000/0000   | 10/04/76         | 20          | 8657            | 0537N                              | 06709W                              | 52.7         | 105.1        | GGG                   |                     |                      | 3                       | 56                     |
| 2621-15232        | 00000/0000                                     | 2-20034/0329 | 10/04/76         | 30          | 8658            | 5133N                              | 07904W                              | 29.9         | 150.6        | GGGF                  |                     |                      | 21                      | 24                     |
| 2621-15234        | 00000/0000                                     | 2-20034/0330 | 10/04/76         | 20          | 8658            | 5009N                              | 07943W                              | 30.9         | 149.5        | GGGG                  |                     |                      | 21                      | 25                     |
| 2621-17054        | 00000/0000                                     | 2-20034/0335 | 10/04/76         | 100         | 8659            | 5422N                              | 10326W                              | 27.7         | 152.7        | GGGG                  |                     |                      | 39                      | 22                     |
| 2621-17063        | 00000/0000                                     | 2-20034/0336 | 10/04/76         | 90          | 8659            | 5133N                              | 10453W                              | 29.8         | 150.6        | GGGG                  |                     |                      | 39                      | 24                     |
| 2621-20265        | 00000/0000                                     | 2-20034/0356 | 10/04/76         | 90          | 8661            | 7156N                              | 13738W                              | 13.3         | 171.9        | GGGG                  |                     |                      | 75                      | 9                      |
| 2621-22103        | 00000/0000                                     | 2-20034/0357 | 10/04/76         | 90          | 8662            | 7042N                              | 16536W                              | 14.4         | 169.7        | GGGG                  |                     |                      | 93                      | 10                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=3 AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2622-01470        | 00000/0000                                     | 2-20034/0416 | 10/05/76         | 90             | 8664            | 3721N                              | 12026E                              | 39.6         | 140.0        | GGGG                  |                     |                      |                         |                        |
| 2622-01473        | 00000/0000                                     | 2-20034/0417 | 10/05/76         | 90             | 8664            | 3556N                              | 11959E                              | 40.5         | 138.8        | GGGG                  |                     |                      | 129                     | 34                     |
| 2622-01475        | 00000/0000                                     | 2-20034/0418 | 10/05/76         | 90             | 8664            | 3430N                              | 11932E                              | 41.4         | 137.6        | GGGG                  |                     |                      | 129                     | 35                     |
| 2622-01482        | 00000/0000                                     | 2-20034/0419 | 10/05/76         | 80             | 8664            | 3304N                              | 11906E                              | 42.2         | 136.4        | GGGG                  |                     |                      | 129                     | 36                     |
| 2622-01484        | 00000/0000                                     | 2-20034/0420 | 10/05/76         | 60             | 8664            | 3139N                              | 11841E                              | 43.1         | 135.1        | GGGG                  |                     |                      | 129                     | 37                     |
| 2622-01491        | 00000/0000                                     | 2-20034/0421 | 10/05/76         | 20             | 8664            | 3013N                              | 11816E                              | 43.9         | 133.8        | GGGG                  |                     |                      | 129                     | 38                     |
| 2622-01493        | 00000/0000                                     | 2-20034/0422 | 10/05/76         | 30             | 8664            | 2847N                              | 11752E                              | 44.7         | 132.5        | GGGG                  |                     |                      | 129                     | 39                     |
| 2622-03293        | 00000/0000                                     | 2-20034/0423 | 10/05/76         | 0              | 8665            | 4013N                              | 09535E                              | 37.7         | 142.3        | GGGG                  |                     |                      | 129                     | 40                     |
| 2622-06504        | 00000/0000                                     | 2-20034/0524 | 10/05/76         | 90             | 8667            | 5832N                              | 05234E                              | 24.3         | 156.1        | GGGG                  |                     |                      | 147                     | 32                     |
| 2622-06510        | 00000/0000                                     | 2-20034/0525 | 10/05/76         | 100            | 8667            | 5709N                              | 05140E                              | 25.4         | 154.9        | GGGG                  |                     |                      | 183                     | 19                     |
| 2622-06513        | 00000/0000                                     | 2-20034/0526 | 10/05/76         | 90             | 8667            | 5545N                              | 05049E                              | 26.5         | 153.8        | GGGG                  |                     |                      | 183                     | 20                     |
| 2622-06515        | 00000/0000                                     | 2-20034/0527 | 10/05/76         | 80             | 8667            | 5421N                              | 05001E                              | 27.5         | 152.8        | GGGG                  |                     |                      | 183                     | 21                     |
| 2622-06522        | 00000/0000                                     | 2-20034/0528 | 10/05/76         | 50             | 8667            | 5257N                              | 04916E                              | 28.6         | 151.7        | GGGG                  |                     |                      | 183                     | 22                     |
| 2622-06524        | 00000/0000                                     | 2-20034/0361 | 10/05/76         | 30             | 8667            | 5133N                              | 04833E                              | 29.7         | 150.7        | GGGG                  |                     |                      | 183                     | 23                     |
| 2622-06531        | 00000/0000                                     | 2-20034/0362 | 10/05/76         | 30             | 8667            | 5008N                              | 04753E                              | 30.7         | 149.7        | GGGG                  |                     |                      | 183                     | 24                     |
| 2622-06533        | 00000/0000                                     | 2-20034/0363 | 10/05/76         | 80             | 8667            | 4844N                              | 04714E                              | 31.7         | 148.6        | GGGG                  |                     |                      | 183                     | 25                     |
| 2622-06540        | 00000/0000                                     | 2-20034/0364 | 10/05/76         | 90             | 8667            | 4719N                              | 04638E                              | 32.8         | 147.6        | GGGG                  |                     |                      | 183                     | 26                     |
| 2622-06542        | 00000/0000                                     | 2-20034/0365 | 10/05/76         | 40             | 8667            | 4554N                              | 04603E                              | 33.8         | 146.6        | GGGG                  |                     |                      | 183                     | 27                     |
| 2622-06545        | 00000/0000                                     | 2-20034/0366 | 10/05/76         | 30             | 8667            | 4428N                              | 04529E                              | 34.8         | 145.5        | GGGG                  |                     |                      | 183                     | 28                     |
| 2622-06551        | 00000/0000                                     | 2-20034/0367 | 10/05/76         | 20             | 8667            | 4303N                              | 04457E                              | 35.7         | 144.5        | GGGG                  |                     |                      | 183                     | 29                     |
| 2622-06554        | 00000/0000                                     | 2-20034/0368 | 10/05/76         | 40             | 8667            | 4138N                              | 04426E                              | 36.7         | 143.4        | GGGG                  |                     |                      | 183                     | 30                     |
| 2622-06560        | 00000/0000                                     | 2-20034/0369 | 10/05/76         | 10             | 8667            | 4012N                              | 04356E                              | 37.7         | 142.3        | GGGG                  |                     |                      | 183                     | 31                     |
| 2622-08333        | 00000/0000                                     | 2-20034/0370 | 10/05/76         | 70             | 8668            | 5954N                              | 02745E                              | 23.2         | 157.2        | GGGG                  |                     |                      | 201                     | 32                     |
| 2622-08335        | 00000/0000                                     | 2-20034/0371 | 10/05/76         | 90             | 8668            | 5831N                              | 02647E                              | 24.3         | 156.1        | GGGG                  |                     |                      | 201                     | 33                     |
| 2622-08342        | 00000/0000                                     | 2-20034/0372 | 10/05/76         | 100            | 8668            | 5708N                              | 02553E                              | 25.4         | 154.9        | GGGG                  |                     |                      | 201                     | 34                     |
| 2622-08344        | 00000/0000                                     | 2-20034/0373 | 10/05/76         | 100            | 8668            | 5544N                              | 02503E                              | 26.4         | 153.9        | GGGG                  |                     |                      | 201                     | 35                     |
| 2622-08351        | 00000/0000                                     | 2-20034/0374 | 10/05/76         | 90             | 8668            | 5420N                              | 02415E                              | 27.5         | 152.8        | GGGG                  |                     |                      | 201                     | 36                     |
| 2622-08353        | 00000/0000                                     | 2-20034/0375 | 10/05/76         | 90             | 8668            | 5256N                              | 02330E                              | 28.6         | 151.7        | GGGG                  |                     |                      | 201                     | 37                     |
| 2622-12232        | 00000/0000                                     | 2-20034/0376 | 10/05/76         | 90             | 8670            | 2007S                              | 04850W                              | 48.2         | 74.1         | GGGG                  |                     |                      | 237                     | 38                     |
| 2622-12234        | 00000/0000                                     | 2-20034/0377 | 10/05/76         | 100            | 8670            | 2133S                              | 04912W                              | 47.6         | 72.8         | GGGG                  |                     |                      | 237                     | 39                     |
| 2622-12241        | 00000/0000                                     | 2-20034/0378 | 10/05/76         | 100            | 8670            | 2258S                              | 04934W                              | 46.9         | 71.5         | GGGG                  |                     |                      | 237                     | 40                     |
| 2622-12243        | 00000/0000                                     | 2-20034/0379 | 10/05/76         | 90             | 8670            | 2424S                              | 04956W                              | 46.2         | 70.2         | GGGG                  |                     |                      | 237                     | 41                     |
| 2622-12250        | 00000/0000                                     | 2-20034/0380 | 10/05/76         | 90             | 8670            | 2550S                              | 05019W                              | 45.5         | 69.1         | GGGG                  |                     |                      | 237                     | 42                     |
| 2622-12255        | 00000/0000                                     | 2-20034/0381 | 10/05/76         | 70             | 8670            | 2842S                              | 05106W                              | 43.9         | 68.9         | GGGG                  |                     |                      | 237                     | 43                     |
| 2622-13573        | 2-20034/1238                                   | 00000/0000   | 10/05/76         | 30             | 8671            | 1176N                              | 06713W                              | 51.5         | 113.4        | GGGG                  |                     |                      | 4                       | 52                     |
| 2622-13575        | 2-20034/1239                                   | 00000/0000   | 10/05/76         | 30             | 8671            | 1000N                              | 06734W                              | 52.0         | 111.5        | GGGG                  |                     |                      | 4                       | 53                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO.<br>POSITION IN ROLL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>QUAL<br>123 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|-----------------------------------------------|--------------|------------------|----------------|---------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|--------------------|---------------------|----------------------|-------------------------|------------------------|
| 2622-13582        | 2-20034/1240                                  | 00000/0000   | 10/05/76         | 30             | 8671          | 0834N                              | 06755W                              | 52.3         | 109.6        | GGG               |                    |                     |                      | 4                       | 54                     |
| 2622-13584        | 2-20034/1241                                  | 00000/0000   | 10/05/76         | 20             | 8671          | 0707N                              | 06815W                              | 52.5         | 107.7        | GGG               |                    |                     |                      | 4                       | 55                     |
| 2622-13591        | 2-20034/1242                                  | 00000/0000   | 10/05/76         | 10             | 8671          | 0540N                              | 06835W                              | 52.7         | 105.8        | GG                |                    |                     |                      | 4                       | 56                     |
| 2622-15292        | 00000/0000                                    | 2-20034/0389 | 10/05/76         | 90             | 8672          | 5010N                              | 08111W                              | 30.6         | 149.8        | FGGG              |                    |                     |                      | 22                      | 25                     |
| 2622-17106        | 00000/0000                                    | 2-20034/0383 | 10/05/76         | 70             | 8673          | 5711N                              | 10313W                              | 25.2         | 155.0        | GGGG              |                    |                     |                      | 40                      | 20                     |
| 2622-17110        | 00000/0000                                    | 2-20034/0384 | 10/05/76         | 90             | 8673          | 5547N                              | 10404W                              | 26.3         | 153.9        | GGGG              |                    |                     |                      | 40                      | 21                     |
| 2622-17113        | 00000/0000                                    | 2-20034/0385 | 10/05/76         | 90             | 8673          | 5423N                              | 10451W                              | 27.4         | 152.9        | GGGG              |                    |                     |                      | 40                      | 22                     |
| 2622-17115        | 00000/0000                                    | 2-20034/0386 | 10/05/76         | 70             | 8673          | 5259N                              | 10536W                              | 28.4         | 151.8        | GGGG              |                    |                     |                      | 40                      | 23                     |
| 2622-17122        | 00000/0000                                    | 2-20034/0387 | 10/05/76         | 40             | 8673          | 5134N                              | 10619W                              | 29.5         | 150.8        | GGGG              |                    |                     |                      | 40                      | 24                     |
| 2622-17183        | 00000/0000                                    | 2-20034/0388 | 10/05/76         | 0              | 8673          | 3013N                              | 11403W                              | 43.7         | 134.1        | GGGG              |                    |                     |                      | 40                      | 39                     |
| 2622-22161        | 00000/0000                                    | 2-20034/0358 | 10/05/76         | 80             | 8676          | 7039N                              | 16707W                              | 14.0         | 169.7        | GGGG              |                    |                     |                      | 94                      | 10                     |
| 2622-22164        | 00000/0000                                    | 2-20034/0359 | 10/05/76         | 90             | 8676          | 6922N                              | 16909W                              | 15.1         | 167.7        | GGGG              |                    |                     |                      | 94                      | 11                     |
| 2622-22170        | 00000/0000                                    | 2-20034/0360 | 10/05/76         | 90             | 8676          | 6803N                              | 17059W                              | 16.3         | 165.8        | GGGF              |                    |                     |                      | 94                      | 12                     |
| 2623-01522        | 00000/0000                                    | 2-20034/0529 | 10/06/76         | 70             | 8678          | 3845N                              | 11927E                              | 38.4         | 141.4        | GGGG              |                    |                     |                      | 130                     | 33                     |
| 2623-01525        | 00000/0000                                    | 2-20034/0530 | 10/06/76         | 90             | 8678          | 3719N                              | 11859E                              | 39.3         | 140.3        | GGGG              |                    |                     |                      | 130                     | 34                     |
| 2623-01531        | 00000/0000                                    | 2-20034/0531 | 10/06/76         | 90             | 8678          | 3553N                              | 11832E                              | 40.2         | 139.1        | GGGG              |                    |                     |                      | 130                     | 35                     |
| 2623-01534        | 00000/0000                                    | 2-20034/0532 | 10/06/76         | 70             | 8678          | 3427N                              | 11806E                              | 41.1         | 137.9        | GGGG              |                    |                     |                      | 130                     | 36                     |
| 2623-01540        | 00000/0000                                    | 2-20034/0533 | 10/06/76         | 80             | 8678          | 3301N                              | 11740E                              | 42.0         | 136.7        | GGGG              |                    |                     |                      | 130                     | 37                     |
| 2623-01543        | 00000/0000                                    | 2-20034/0534 | 10/06/76         | 60             | 8678          | 3135N                              | 11715E                              | 42.8         | 135.5        | GGGG              |                    |                     |                      | 130                     | 38                     |
| 2623-01545        | 00000/0000                                    | 2-20034/0535 | 10/06/76         | 50             | 8678          | 3010N                              | 11650E                              | 43.6         | 134.2        | GGGG              |                    |                     |                      | 130                     | 39                     |
| 2623-01552        | 00000/0000                                    | 2-20034/0536 | 10/06/76         | 0              | 8678          | 2844N                              | 11626E                              | 44.4         | 132.8        | GGGG              |                    |                     |                      | 130                     | 40                     |
| 2623-01554        | 00000/0000                                    | 2-20034/0537 | 10/06/76         | 10             | 8678          | 2718N                              | 11602E                              | 45.2         | 131.5        | GGGG              |                    |                     |                      | 130                     | 41                     |
| 2623-01561        | 00000/0000                                    | 2-20034/0538 | 10/06/76         | 10             | 8678          | 2552N                              | 11539E                              | 46.0         | 130.1        | PPPP              |                    |                     |                      | 130                     | 42                     |
| 2623-05224        | 00000/0000                                    | 2-20034/0392 | 10/06/76         | 10             | 8680          | 2555N                              | 06400E                              | 45.9         | 130.2        | FGGG              |                    |                     |                      | 166                     | 42                     |
| 2623-06564        | 00000/0000                                    | 2-20034/0393 | 10/06/76         | 90             | 8681          | 5710N                              | 05016E                              | 25.0         | 155.1        | GGGG              |                    |                     |                      | 184                     | 20                     |
| 2623-06571        | 00000/0000                                    | 2-20034/0394 | 10/06/76         | 90             | 8681          | 5546N                              | 04925E                              | 26.1         | 154.0        | GGGG              |                    |                     |                      | 184                     | 21                     |
| 2623-06573        | 00000/0000                                    | 2-20034/0395 | 10/06/76         | 90             | 8681          | 5422N                              | 04837E                              | 27.2         | 153.0        | FGGG              |                    |                     |                      | 184                     | 22                     |
| 2623-06580        | 00000/0000                                    | 2-20034/0396 | 10/06/76         | 90             | 8681          | 5258N                              | 04752E                              | 28.2         | 151.9        | GGFG              |                    |                     |                      | 184                     | 23                     |
| 2623-06582        | 00000/0000                                    | 2-20034/0397 | 10/06/76         | 90             | 8681          | 5134N                              | 04709E                              | 29.3         | 150.9        | FGGF              |                    |                     |                      | 184                     | 24                     |
| 2623-06585        | 00000/0000                                    | 2-20034/0398 | 10/06/76         | 90             | 8681          | 5009N                              | 04629E                              | 30.3         | 149.9        | FGGF              |                    |                     |                      | 184                     | 25                     |
| 2623-06591        | 00000/0000                                    | 2-20034/0340 | 10/06/76         | 80             | 8681          | 4845N                              | 04550E                              | 31.4         | 148.9        | GGFG              |                    |                     |                      | 184                     | 26                     |
| 2623-06594        | 00000/0000                                    | 2-20034/0341 | 10/06/76         | 70             | 8681          | 4720N                              | 04514E                              | 32.4         | 147.9        | GGFG              |                    |                     |                      | 184                     | 27                     |
| 2623-07000        | 00000/0000                                    | 2-20034/0342 | 10/06/76         | 70             | 8681          | 4555N                              | 04439E                              | 33.4         | 146.8        | GGFG              |                    |                     |                      | 184                     | 28                     |
| 2623-07003        | 00000/0000                                    | 2-20034/0343 | 10/06/76         | 90             | 8681          | 4429N                              | 04405E                              | 34.4         | 145.8        | FGGG              |                    |                     |                      | 184                     | 29                     |
| 2623-07005        | 00000/0000                                    | 2-20034/0344 | 10/06/76         | 30             | 8681          | 4304N                              | 04333E                              | 35.4         | 144.8        | FGFG              |                    |                     |                      | 184                     | 30                     |
| 2623-08402        | 00000/0000                                    | 2-20034/0345 | 10/06/76         | 70             | 8682          | 5545N                              | 02334E                              | 26.1         | 154.0        | FGFG              |                    |                     |                      | 202                     | 21                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR N4N-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM POSITION IN RBLI RBLI NO. MSS | DATE ACQUIRED | CLOUD COVER | ORBIT NUMBER | PRINCIPAL OF IMAGE LAT | PRINT LONG | SUN ELEV. | SUN AZIM. | IMAGE QUAL REV MSS 123 45678 | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME ROW NUMBER |
|----------------|-----------------------------------------|---------------|-------------|--------------|------------------------|------------|-----------|-----------|------------------------------|---------------|----------------|-------------------|------------------|
| 2623-08405     | 00000/0000 2-20034/0346                 | 10/06/76      | 60          | 8682         | 5421N                  | 02246E     | 27.2      | 153.0     | GGGG                         |               |                | 202               | 22               |
| 2623-12290     | 00000/0000 2-20034/0347                 | 10/06/76      | 60          | 8684         | 2009S                  | 05015W     | 48.4      | 74.6      | GGGG                         |               |                | 238               | 74               |
| 2623-12293     | 00000/0000 2-20034/0348                 | 10/06/76      | 40          | 8684         | 2135S                  | 05037W     | 47.8      | 73.2      | GGGG                         |               |                | 238               | 75               |
| 2623-12295     | 00000/0000 2-20034/0349                 | 10/06/76      | 10          | 8684         | 2301S                  | 05059W     | 47.1      | 71.9      | FFFF                         |               |                | 238               | 76               |
| 2623-12302     | 00000/0000 2-20034/0350                 | 10/06/76      | 10          | 8684         | 2428S                  | 05121W     | 46.4      | 70.6      | FFFF                         |               |                | 238               | 77               |
| 2623-12311     | 00000/0000 2-20034/0351                 | 10/06/76      | 10          | 8684         | 2719S                  | 05208W     | 45.0      | 68.3      | FFFF                         |               |                | 238               | 79               |
| 2623-12313     | 00000/0000 2-20034/0352                 | 10/06/76      | 10          | 8684         | 2845S                  | 05232W     | 44.2      | 67.2      | FFFF                         |               |                | 238               | 80               |
| 2623-12320     | 00000/0000 2-20034/0353                 | 10/06/76      | 20          | 8684         | 3011S                  | 05256W     | 43.4      | 66.2      | FGGG                         |               |                | 238               | 81               |
| 2623-13501     | 00000/0000 2-20034/0429                 | 10/06/76      | 100         | 8685         | 5544N                  | 05353W     | 26.0      | 154.1     | GGG                          |               |                | 5                 | 21               |
| 2623-14031     | 2-20034/1243 00000/0000                 | 10/06/76      | 20          | 8685         | 1127N                  | 05439W     | 51.5      | 114.0     | GGG                          |               |                | 5                 | 52               |
| 2623-14033     | 2-20034/1244 00000/0000                 | 10/06/76      | 20          | 8685         | 1000N                  | 06900W     | 51.9      | 112.1     | GGG                          |               |                | 5                 | 53               |
| 2623-14040     | 2-20034/1245 00000/0000                 | 10/06/76      | 10          | 8685         | 0835N                  | 06921W     | 52.2      | 110.3     | GGG                          |               |                | 5                 | 54               |
| 2623-14042     | 2-20034/1246 00000/0000                 | 10/06/76      | 10          | 8685         | 0708N                  | 06941W     | 52.4      | 108.4     | GGG                          |               |                | 5                 | 55               |
| 2623-14045     | 2-20034/1247 00000/0000                 | 10/06/76      | 20          | 8685         | 0541N                  | 07001W     | 52.7      | 106.5     | GGG                          |               |                | 5                 | 56               |
| 2623-17121     | 00000/0000 2-20034/0450                 | 10/06/76      | 40          | 8687         | 7038N                  | 09108W     | 13.7      | 169.7     | GGGG                         |               |                | 41                | 10               |
| 2623-17123     | 00000/0000 2-20034/0451                 | 10/06/76      | 60          | 8687         | 6921N                  | 09310W     | 14.9      | 167.7     | GGGG                         |               |                | 41                | 11               |
| 2623-17130     | 00000/0000 2-20034/0452                 | 10/06/76      | 70          | 8687         | 6801N                  | 09500W     | 16.0      | 165.9     | GGGG                         |               |                | 41                | 12               |
| 2623-17132     | 00000/0000 2-20034/0453                 | 10/06/76      | 100         | 8687         | 6642N                  | 09638W     | 17.1      | 164.2     | GGGG                         |               |                | 41                | 13               |
| 2623-17138     | 00000/0000 2-20034/0454                 | 10/06/76      | 100         | 8687         | 6521N                  | 09806W     | 18.3      | 162.6     | GGGG                         |               |                | 41                | 14               |
| 2623-17141     | 00000/0000 2-20034/0455                 | 10/06/76      | 70          | 8687         | 6400N                  | 09927W     | 19.4      | 161.2     | GGGG                         |               |                | 41                | 15               |
| 2623-17144     | 00000/0000 2-20034/0456                 | 10/06/76      | 40          | 8687         | 6238N                  | 10040W     | 20.5      | 159.9     | GGGG                         |               |                | 41                | 16               |
| 2623-17150     | 00000/0000 2-20034/0457                 | 10/06/76      | 10          | 8687         | 6116N                  | 10148W     | 21.6      | 158.6     | GGGG                         |               |                | 41                | 17               |
| 2623-17153     | 00000/0000 2-20034/0458                 | 10/06/76      | 20          | 8687         | 5953N                  | 10250W     | 22.7      | 157.4     | GGGG                         |               |                | 41                | 18               |
| 2623-17155     | 00000/0000 2-20034/0459                 | 10/06/76      | 60          | 8687         | 5830N                  | 10349W     | 23.8      | 156.3     | GGGG                         |               |                | 41                | 19               |
| 2623-17166     | 00000/0000 2-20034/0424                 | 10/06/76      | 30          | 8687         | 5543N                  | 10533W     | 26.0      | 154.1     | G                            |               |                | 41                | 21               |
| 2623-17171     | 00000/0000 2-20034/0425                 | 10/06/76      | 90          | 8687         | 5419N                  | 10621W     | 27.1      | 153.0     | GGGG                         |               |                | 41                | 22               |
| 2623-17173     | 00000/0000 2-20034/0426                 | 10/06/76      | 90          | 8687         | 5255N                  | 10706W     | 28.1      | 152.0     | GGGG                         |               |                | 41                | 23               |
| 2623-17180     | 00000/0000 2-20034/0427                 | 10/06/76      | 80          | 8687         | 5131N                  | 10748W     | 29.2      | 151.0     | GGGG                         |               |                | 41                | 24               |
| 2623-17241     | 00000/0000 2-20034/0428                 | 10/06/76      | 20          | 8687         | 3012N                  | 11531W     | 43.5      | 134.4     | GGGG                         |               |                | 41                | 39               |
| 2623-20382     | 00000/0000 2-20034/0460                 | 10/06/76      | 50          | 8689         | 7153N                  | 14031W     | 12.5      | 172.0     | GGGG                         |               |                | 77                | 9                |
| 2623-22222     | 00000/0000 2-20034/0449                 | 10/06/76      | 90          | 8690         | 6922N                  | 17033W     | 14.8      | 167.8     | GGGG                         |               |                | 55                | 11               |
| 2624-01565     | 00000/0000 2-20034/0399                 | 10/07/76      | 10          | 8692         | 4302N                  | 11931E     | 35.2      | 144.9     | GGGG                         |               |                | 131               | 30               |
| 2624-01571     | 00000/0000 2-20034/0400                 | 10/07/76      | 10          | 8692         | 4137N                  | 11900E     | 36.2      | 143.9     | GGGG                         |               |                | 131               | 31               |
| 2624-01574     | 00000/0000 2-20034/0401                 | 10/07/76      | 20          | 8692         | 4012N                  | 11830E     | 37.1      | 142.8     | GGGG                         |               |                | 131               | 32               |
| 2624-01580     | 00000/0000 2-20034/0402                 | 10/07/76      | 20          | 8692         | 3846N                  | 11802E     | 38.1      | 141.7     | FGGG                         |               |                | 131               | 33               |
| 2624-01583     | 00000/0000 2-20034/0403                 | 10/07/76      | 10          | 8692         | 3720N                  | 11734E     | 39.0      | 140.6     | GGGG                         |               |                | 131               | 34               |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | LONG   | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA<br>MODE | MSS<br>MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|-----------------|------------------------------------|--------|--------------|--------------|-------------------|----------------------------|-----------------------------|-------------------------|------------------------|
| 2624-01592        | 00000/0000 2-20034/0404                        | 10/07/76         | 70                    | 8692            | 3429N                              | 11640E | 40.8         | 138.3        | FGGG              |                            |                             | 131                     | 36                     |
| 2624-01594        | 00000/0000 2-20034/0405                        | 10/07/76         | 100                   | 8692            | 3303N                              | 11614E | 41.7         | 137.1        | GGGG              |                            |                             | 131                     | 37                     |
| 2624-02001        | 00000/0000 2-20034/0406                        | 10/07/76         | 100                   | 8692            | 3137N                              | 11549E | 42.5         | 135.9        | GGGG              |                            |                             | 131                     | 38                     |
| 2624-02003        | 00000/0000 2-20034/0407                        | 10/07/76         | 100                   | 8692            | 3011N                              | 11524E | 43.4         | 134.6        | FGGG              |                            |                             | 131                     | 39                     |
| 2624-02010        | 00000/0000 2-20034/0408                        | 10/07/76         | 90                    | 8692            | 2845N                              | 11501E | 44.2         | 133.3        | FGGG              |                            |                             | 131                     | 40                     |
| 2624-02012        | 00000/0000 2-20034/0409                        | 10/07/76         | 50                    | 8692            | 2719N                              | 11437E | 45.0         | 131.9        | GGGG              |                            |                             | 131                     | 41                     |
| 2624-02015        | 00000/0000 2-20034/0410                        | 10/07/76         | 40                    | 8692            | 2553N                              | 11414E | 45.7         | 130.5        | GGGG              |                            |                             | 131                     | 42                     |
| 2624-02021        | 00000/0000 2-20034/0411                        | 10/07/76         | 50                    | 8692            | 2427N                              | 11351E | 46.4         | 129.1        | GGGG              |                            |                             | 131                     | 43                     |
| 2624-02024        | 00000/0000 2-20034/0412                        | 10/07/76         | 50                    | 8692            | 2301N                              | 11329E | 47.1         | 127.6        | GGGG              |                            |                             | 131                     | 44                     |
| 2624-03400        | 00000/0000 2-20034/0413                        | 10/07/76         | 90                    | 8693            | 4302N                              | 09343E | 35.2         | 145.0        | GGGG              |                            |                             | 149                     | 30                     |
| 2624-03450        | 00000/0000 2-20034/0354                        | 10/07/76         | 50                    | 8693            | 2554N                              | 08825E | 45.7         | 130.6        | GGGG              |                            |                             | 149                     | 42                     |
| 2624-03453        | 00000/0000 2-20034/0355                        | 10/07/76         | 30                    | 8693            | 2428N                              | 08802E | 46.4         | 129.1        | FGGG              |                            |                             | 149                     | 43                     |
| 2624-05241        | 00000/0000 2-20034/0492                        | 10/07/76         | 0                     | 8694            | 4011N                              | 06652E | 37.1         | 142.9        | GGGG              |                            |                             | 167                     | 32                     |
| 2624-07023        | 00000/0000 2-20034/0493                        | 10/07/76         | 90                    | 8695            | 5707N                              | 04848E | 24.7         | 155.2        | GGGG              |                            |                             | 185                     | 20                     |
| 2624-07025        | 00000/0000 2-20034/0494                        | 10/07/76         | 100                   | 8695            | 5543N                              | 04757E | 25.8         | 154.2        | GGGG              |                            |                             | 185                     | 21                     |
| 2624-07032        | 00000/0000 2-20034/0495                        | 10/07/76         | 100                   | 8695            | 5419N                              | 04710E | 26.9         | 153.1        | GGGG              |                            |                             | 185                     | 22                     |
| 2624-07034        | 00000/0000 2-20034/0496                        | 10/07/76         | 100                   | 8695            | 5255N                              | 04624E | 27.9         | 152.1        | GGGG              |                            |                             | 185                     | 23                     |
| 2624-07041        | 00000/0000 2-20034/0497                        | 10/07/76         | 100                   | 8695            | 5131N                              | 04542E | 29.0         | 151.1        | GGGG              |                            |                             | 185                     | 24                     |
| 2624-07043        | 00000/0000 2-20034/0498                        | 10/07/76         | 100                   | 8695            | 5007N                              | 04501E | 30.0         | 150.1        | GGGG              |                            |                             | 185                     | 25                     |
| 2624-07050        | 00000/0000 2-20034/0499                        | 10/07/76         | 90                    | 8695            | 4842N                              | 04423E | 31.1         | 149.1        | GGGG              |                            |                             | 185                     | 26                     |
| 2624-07052        | 00000/0000 2-20034/0500                        | 10/07/76         | 70                    | 8695            | 4717N                              | 04347E | 32.1         | 148.1        | GGGG              |                            |                             | 185                     | 27                     |
| 2624-07055        | 00000/0000 2-20034/0501                        | 10/07/76         | 20                    | 8695            | 4551N                              | 04313E | 33.1         | 147.0        | GGGG              |                            |                             | 185                     | 28                     |
| 2624-07061        | 00000/0000 2-20034/0502                        | 10/07/76         | 10                    | 8695            | 4428N                              | 04240E | 34.1         | 146.0        | GGGG              |                            |                             | 185                     | 29                     |
| 2624-07064        | 00000/0000 2-20034/0503                        | 10/07/76         | 10                    | 8695            | 4301N                              | 04207E | 35.1         | 145.0        | GGGG              |                            |                             | 185                     | 30                     |
| 2624-07070        | 00000/0000 2-20034/0504                        | 10/07/76         | 20                    | 8695            | 4196N                              | 04136E | 36.1         | 143.9        | GGGG              |                            |                             | 185                     | 31                     |
| 2624-08463        | 00000/0000 2-20034/0433                        | 10/07/76         | 90                    | 8696            | 5418N                              | 02119E | 26.8         | 153.1        | GGGG              |                            |                             | 203                     | 22                     |
| 2624-12344        | 00000/0000 2-20034/0434                        | 10/07/76         | 10                    | 8698            | 2008S                              | 05141W | 48.6         | 75.1         | GGGG              |                            |                             | 239                     | 74                     |
| 2624-12351        | 00000/0000 2-20034/0435                        | 10/07/76         | 10                    | 8698            | 2134S                              | 05202W | 48.0         | 73.7         | GGGG              |                            |                             | 239                     | 75                     |
| 2624-12353        | 00000/0000 2-20034/0436                        | 10/07/76         | 10                    | 8698            | 2239S                              | 05225W | 47.4         | 72.3         | GGGG              |                            |                             | 239                     | 76                     |
| 2624-12360        | 00000/0000 2-20034/0437                        | 10/07/76         | 0                     | 8698            | 2425S                              | 05248W | 46.7         | 71.1         | GGGG              |                            |                             | 239                     | 77                     |
| 2624-12362        | 00000/0000 2-20034/0438                        | 10/07/76         | 10                    | 8698            | 2541S                              | 05311W | 46.0         | 69.9         | FFFF              |                            |                             | 239                     | 78                     |
| 2624-12365        | 00000/0000 2-20034/0439                        | 10/07/76         | 70                    | 8698            | 2717S                              | 05335W | 45.2         | 68.7         | GGGG              |                            |                             | 239                     | 79                     |
| 2624-12371        | 00000/0000 2-20034/0440                        | 10/07/76         | 40                    | 8698            | 2842S                              | 05359W | 44.5         | 67.6         | GGGG              |                            |                             | 239                     | 80                     |
| 2624-12374        | 00000/0000 2-20034/0441                        | 10/07/76         | 50                    | 8698            | 3009S                              | 05423W | 43.7         | 66.6         | GGGG              |                            |                             | 239                     | 81                     |
| 2624-12394        | 00000/0000 2-20034/0442                        | 10/07/76         | 50                    | 8698            | 3716S                              | 05433W | 39.4         | 62.3         | GGGF              |                            |                             | 239                     | 86                     |
| 2624-13555        | 00000/0000 2-20034/0430                        | 10/07/76         | 80                    | 8699            | 5544N                              | 05519W | 25.7         | 154.2        | GGGG              |                            |                             | 6                       | 21                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|-------------|-------------------------|------------------------|
| 2624-13562        | 00000/0000                   | 2-20034/0431                | 10/07/76         | 70             | 8699            | 5421N                        | 05606W        | 26.7         | 153.2        | GGGG                  |                     |             | 6                       | 22                     |
| 2624-14085        | 2-20034/1248                 | 00000/0000                  | 10/07/76         | 20             | 8699            | 1122N                        | 07007W        | 51.4         | 114.5        | GGG                   |                     |             | 6                       | 52                     |
| 2624-14092        | 2-20034/1249                 | 00000/0000                  | 10/07/76         | 40             | 8699            | 0955N                        | 07027W        | 51.8         | 112.6        | GGG                   |                     |             | 6                       | 53                     |
| 2624-14094        | 2-20034/1250                 | 00000/0000                  | 10/07/76         | 50             | 8699            | 0828N                        | 07047W        | 52.1         | 110.8        | GGG                   |                     |             | 6                       | 54                     |
| 2624-14101        | 2-20034/1251                 | 00000/0000                  | 10/07/76         | 80             | 8699            | 0702N                        | 07107W        | 52.4         | 108.9        | GGG                   |                     |             | 6                       | 55                     |
| 2624-14103        | 2-20034/1252                 | 00000/0000                  | 10/07/76         | 90             | 8699            | 0535N                        | 07128W        | 52.6         | 107.0        | GGG                   |                     |             | 6                       | 56                     |
| 2624-15405        | 00000/0000                   | 2-20034/0432                | 10/07/76         | 90             | 8700            | 5005N                        | 08404W        | 29.9         | 150.1        | GGGG                  |                     |             | 24                      | 25                     |
| 2624-20440        | 00000/0000                   | 2-20034/0448                | 10/07/76         | 30             | 8703            | 7153N                        | 14153W        | 12.2         | 172.1        | GGG                   |                     |             | 73                      | 9                      |
| 2624-22562        | 00000/0000                   | 2-20034/0443                | 10/07/76         | 0              | 8704            | 2721S                        | 15129E        | 45.3         | 68.9         | GGGG                  |                     |             | 96                      | 79                     |
| 2624-22565        | 00000/0000                   | 2-20034/0444                | 10/07/76         | 10             | 8704            | 2847S                        | 15106E        | 44.6         | 67.8         | GGGG                  |                     |             | 96                      | 80                     |
| 2624-22571        | 00000/0000                   | 2-20034/0445                | 10/07/76         | 30             | 8704            | 3012S                        | 15042E        | 43.8         | 66.7         | GGGG                  |                     |             | 96                      | 81                     |
| 2624-22574        | 00000/0000                   | 2-20034/0446                | 10/07/76         | 70             | 8704            | 3137S                        | 15017E        | 43.0         | 65.8         | GGGG                  |                     |             | 96                      | 82                     |
| 2624-22580        | 00000/0000                   | 2-20034/0447                | 10/07/76         | 80             | 8704            | 3302S                        | 14953E        | 42.1         | 64.8         | GGGG                  |                     |             | 96                      | 83                     |
| 2625-02023        | 00000/0000                   | 2-20034/0540                | 10/08/76         | 30             | 8706            | 4259N                        | 11805E        | 34.9         | 145.2        | GGFF                  |                     |             | 132                     | 30                     |
| 2625-02030        | 00000/0000                   | 2-20034/0541                | 10/08/76         | 20             | 8706            | 4134N                        | 11734E        | 35.9         | 144.1        | GGGG                  |                     |             | 132                     | 31                     |
| 2625-02032        | 00000/0000                   | 2-20034/0542                | 10/08/76         | 30             | 8706            | 4009N                        | 11704E        | 36.8         | 143.1        | GGGG                  |                     |             | 132                     | 32                     |
| 2625-02035        | 00000/0000                   | 2-20034/0543                | 10/08/76         | 10             | 8706            | 3843N                        | 11635E        | 37.8         | 142.0        | FGGG                  |                     |             | 132                     | 33                     |
| 2625-02041        | 00000/0000                   | 2-20034/0544                | 10/08/76         | 10             | 8706            | 3718N                        | 11607E        | 38.7         | 140.9        | GGGG                  |                     |             | 132                     | 34                     |
| 2625-02044        | 00000/0000                   | 2-20034/0545                | 10/08/76         | 0              | 8706            | 3552N                        | 11540E        | 39.6         | 139.8        | GGGG                  |                     |             | 132                     | 35                     |
| 2625-02050        | 00000/0000                   | 2-20034/0546                | 10/08/76         | 10             | 8706            | 3426N                        | 11513E        | 40.5         | 138.6        | GGGG                  |                     |             | 132                     | 36                     |
| 2625-02053        | 00000/0000                   | 2-20034/0547                | 10/08/76         | 10             | 8706            | 3300N                        | 11447E        | 41.4         | 137.4        | GGGF                  |                     |             | 132                     | 37                     |
| 2625-02055        | 00000/0000                   | 2-20034/0548                | 10/08/76         | 30             | 8706            | 3135N                        | 11422E        | 42.3         | 136.2        | GGGG                  |                     |             | 132                     | 38                     |
| 2625-02062        | 00000/0000                   | 2-20034/0549                | 10/08/76         | 80             | 8706            | 3009N                        | 11358E        | 43.1         | 134.9        | GGGG                  |                     |             | 132                     | 39                     |
| 2625-02064        | 00000/0000                   | 2-20034/0550                | 10/08/76         | 90             | 8706            | 2843N                        | 11333E        | 43.9         | 133.6        | GGG                   |                     |             | 132                     | 40                     |
| 2625-02071        | 00000/0000                   | 2-20034/0551                | 10/08/76         | 100            | 8706            | 2718N                        | 11310E        | 44.7         | 132.3        | GGFF                  |                     |             | 132                     | 41                     |
| 2625-02073        | 00000/0000                   | 2-20034/0552                | 10/08/76         | 90             | 8706            | 2551N                        | 11246E        | 45.5         | 130.9        | FGGG                  |                     |             | 132                     | 42                     |
| 2625-03455        | 00000/0000                   | 2-20034/0553                | 10/08/76         | 20             | 8707            | 4303N                        | 09218E        | 34.8         | 145.2        | GGGG                  |                     |             | 150                     | 30                     |
| 2625-03505        | 00000/0000                   | 2-20034/0554                | 10/08/76         | 40             | 8707            | 2555N                        | 08658E        | 45.5         | 131.0        | GGGG                  |                     |             | 150                     | 42                     |
| 2625-03511        | 00000/0000                   | 2-20034/0555                | 10/08/76         | 30             | 8707            | 2429N                        | 08636E        | 46.2         | 129.6        | GGGG                  |                     |             | 150                     | 43                     |
| 2625-03514        | 00000/0000                   | 2-20034/0556                | 10/08/76         | 10             | 8707            | 2302N                        | 08614E        | 46.9         | 128.1        | GGGG                  |                     |             | 150                     | 44                     |
| 2625-03520        | 00000/0000                   | 2-20034/0557                | 10/08/76         | 0              | 8707            | 2136N                        | 08551E        | 47.6         | 126.6        | GGGG                  |                     |             | 150                     | 45                     |
| 2625-03523        | 00000/0000                   | 2-20034/0558                | 10/08/76         | 10             | 8707            | 2010N                        | 08530E        | 48.2         | 125.1        | GGFF                  |                     |             | 150                     | 46                     |
| 2625-05295        | 00000/0000                   | 2-20034/0559                | 10/08/76         | 10             | 8708            | 4011N                        | 06526E        | 36.8         | 143.2        | FGFG                  |                     |             | 168                     | 32                     |
| 2625-07081        | 00000/0000                   | 2-20034/0560                | 10/08/76         | 90             | 8709            | 5711N                        | 04723E        | 24.3         | 155.5        | GGGF                  |                     |             | 186                     | 20                     |
| 2625-07083        | 00000/0000                   | 2-20034/0561                | 10/08/76         | 90             | 8709            | 5547N                        | 04633E        | 25.4         | 154.4        | FFGG                  |                     |             | 186                     | 21                     |
| 2625-07090        | 00000/0000                   | 2-20034/0562                | 10/08/76         | 90             | 8709            | 5424N                        | 04546E        | 26.4         | 153.4        | GGGG                  |                     |             | 186                     | 22                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>POSITION IN<br>ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2625-07092        | 00000/0000                   | 2-20034/0562                            | 10/08/76         | 90             | 8709            | 5300N                        | 04502E        | 27.5         | 152.3        | GGGF                               |                     |                      | 186                     | 23                     |
| 2625-07095        | 00000/0000                   | 2-20034/0563                            | 10/08/76         | 90             | 8709            | 5135N                        | 04419E        | 28.6         | 151.3        | GGGF                               |                     |                      | 186                     | 24                     |
| 2625-07101        | 00000/0000                   | 2-20034/0564                            | 10/08/76         | 90             | 8709            | 5011N                        | 04338E        | 29.6         | 150.3        | FFFF                               |                     |                      | 186                     | 25                     |
| 2625-07104        | 00000/0000                   | 2-20034/0565                            | 10/08/76         | 90             | 8709            | 4846N                        | 04259E        | 30.7         | 149.3        | GGGF                               |                     |                      | 186                     | 26                     |
| 2625-07110        | 00000/0000                   | 2-20034/0566                            | 10/08/76         | 40             | 8709            | 4721N                        | 04223E        | 31.7         | 148.3        | FGGF                               |                     |                      | 186                     | 27                     |
| 2625-07113        | 00000/0000                   | 2-20034/0567                            | 10/08/76         | 30             | 8709            | 4556N                        | 04148E        | 32.7         | 147.3        | GGGF                               |                     |                      | 186                     | 28                     |
| 2625-07115        | 00000/0000                   | 2-20034/0568                            | 10/08/76         | 50             | 8709            | 4431N                        | 04114E        | 33.8         | 146.3        | GGGF                               |                     |                      | 186                     | 29                     |
| 2625-07301        | 00000/0000                   | 2-20034/0569                            | 10/08/76         | 20             | 8709            | 1839S                        | 02440E        | 49.4         | 77.0         | GGGP                               |                     |                      | 186                     | 73                     |
| 2625-07304        | 00000/0000                   | 2-20034/0570                            | 10/08/76         | 20             | 8709            | 2004S                        | 02419E        | 48.8         | 75.5         | GGGP                               |                     |                      | 186                     | 74                     |
| 2625-08521        | 00000/0000                   | 2-20034/0537                            | 10/08/76         | 70             | 8710            | 5423N                        | 01954E        | 26.4         | 153.4        | G                                  |                     |                      | 204                     | 22                     |
| 2625-12400        | 00000/0000                   | 2-20034/0538                            | 10/08/76         | 70             | 8712            | 1842S                        | 05246W        | 49.4         | 77.0         | FGFG                               |                     |                      | 240                     | 73                     |
| 2625-12405        | 00000/0000                   | 2-20034/0539                            | 10/08/76         | 90             | 8712            | 2133S                        | 05330W        | 48.3         | 74.2         | GGFG                               |                     |                      | 240                     | 75                     |
| 2625-12411        | 00000/0000                   | 2-20034/0476                            | 10/08/76         | 100            | 8712            | 2259S                        | 05352W        | 47.6         | 72.8         | GGGG                               |                     |                      | 240                     | 76                     |
| 2625-12414        | 00000/0000                   | 2-20034/0477                            | 10/08/76         | 100            | 8712            | 2426S                        | 05415W        | 46.9         | 71.5         | PPPP                               |                     |                      | 240                     | 77                     |
| 2625-12420        | 00000/0000                   | 2-20034/0464                            | 10/08/76         | 100            | 8712            | 2551S                        | 05438W        | 46.2         | 70.3         | P PP                               |                     |                      | 240                     | 78                     |
| 2625-12423        | 00000/0000                   | 2-20034/0478                            | 10/08/76         | 100            | 8712            | 2716S                        | 05501W        | 45.5         | 69.1         | PPPP                               |                     |                      | 240                     | 79                     |
| 2625-12452        | 00000/0000                   | 2-20034/0465                            | 10/08/76         | 60             | 8712            | 3714S                        | 05800W        | 39.7         | 62.6         | GGGG                               |                     |                      | 240                     | 86                     |
| 2625-14011        | 00000/0000                   | 2-20034/0461                            | 10/08/76         | 80             | 8713            | 5708N                        | 05553W        | 24.2         | 155.5        | GGGG                               |                     |                      | 7                       | 20                     |
| 2625-14014        | 00000/0000                   | 2-20034/0462                            | 10/08/76         | 70             | 8713            | 5545N                        | 05643W        | 25.3         | 154.4        | GGGG                               |                     |                      | 7                       | 21                     |
| 2625-14020        | 00000/0000                   | 2-20034/0463                            | 10/08/76         | 90             | 8713            | 5422N                        | 05730W        | 26.4         | 153.4        | GGGG                               |                     |                      | 7                       | 22                     |
| 2625-14143        | 2-20034/1253                 | 00000/0000                              | 10/08/76         | 40             | 8713            | 1122N                        | 07131W        | 51.3         | 115.1        | GGG                                |                     |                      | 7                       | 52                     |
| 2625-14150        | 2-20034/1254                 | 00000/0000                              | 10/08/76         | 40             | 8713            | 0955N                        | 07151W        | 51.7         | 113.3        | GGG                                |                     |                      | 7                       | 53                     |
| 2625-14152        | 2-20034/1255                 | 00000/0000                              | 10/08/76         | 40             | 8713            | 0829N                        | 07212W        | 52.0         | 111.4        | GGG                                |                     |                      | 7                       | 54                     |
| 2625-14155        | 2-20034/1256                 | 00000/0000                              | 10/08/76         | 40             | 8713            | 0703N                        | 07232W        | 52.3         | 109.5        | GGG                                |                     |                      | 7                       | 55                     |
| 2625-14161        | 2-20034/1257                 | 00000/0000                              | 10/08/76         | 30             | 8713            | 0536N                        | 07253W        | 52.6         | 107.6        | GGG                                |                     |                      | 7                       | 56                     |
| 2625-20494        | 00000/0000                   | 2-20034/0523                            | 10/08/76         | 20             | 8717            | 7154N                        | 14321W        | 11.8         | 172.2        | PGGG                               |                     |                      | 97                      | 9                      |
| 2625-23011        | 00000/0000                   | 2-20034/0466                            | 10/08/76         | 10             | 8718            | 2424S                        | 15052E        | 47.1         | 71.7         | GGGG                               |                     |                      | 97                      | 77                     |
| 2625-23014        | 00000/0000                   | 2-20034/0467                            | 10/08/76         | 0              | 8718            | 2505S                        | 15029E        | 46.4         | 70.5         | GGGG                               |                     |                      | 97                      | 78                     |
| 2625-23020        | 00000/0000                   | 2-20034/0468                            | 10/08/76         | 10             | 8718            | 2715S                        | 15005E        | 45.6         | 69.3         | GGGG                               |                     |                      | 97                      | 79                     |
| 2625-23023        | 00000/0000                   | 2-20034/0469                            | 10/08/76         | 30             | 8718            | 2841S                        | 14941E        | 44.9         | 68.2         | GGGG                               |                     |                      | 97                      | 80                     |
| 2625-23025        | 00000/0000                   | 2-20034/0470                            | 10/08/76         | 40             | 8718            | 3047S                        | 14917E        | 44.1         | 67.2         | GGGG                               |                     |                      | 97                      | 81                     |
| 2625-23032        | 00000/0000                   | 2-20034/0471                            | 10/08/76         | 50             | 8718            | 3133S                        | 14853E        | 43.3         | 66.2         | GGGG                               |                     |                      | 97                      | 82                     |
| 2625-23034        | 00000/0000                   | 2-20034/0472                            | 10/08/76         | 90             | 8718            | 3257S                        | 14828E        | 42.5         | 65.2         | GGGG                               |                     |                      | 97                      | 83                     |
| 2625-23041        | 00000/0000                   | 2-20034/0473                            | 10/08/76         | 100            | 8718            | 3422S                        | 14802E        | 41.6         | 64.4         | GGGG                               |                     |                      | 97                      | 84                     |
| 2625-23043        | 00000/0000                   | 2-20034/0474                            | 10/08/76         | 90             | 8718            | 3547S                        | 14735E        | 40.7         | 63.5         | GGGG                               |                     |                      | 97                      | 85                     |
| 2625-230470       | 00000/0000                   | 2-20034/0475                            | 10/09/76         | 50             | 8719            | 3248S                        | 12239E        | 42.5         | 65.3         | GGGG                               |                     |                      | 115                     | 82                     |

KEYS: CLOUD COVER = ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, RAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBV<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SUNBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|------------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|--------------------------|------------------------|
| 2626-02081        | 00000/0000                   | 2-20034/0479               | 10/09/76         | 100            | 8720             | 4304N 11640E                            | 34.5         | 145.5        | GGFG                               |                     |                      | 133                      | 30                     |
| 2626-02084        | 00000/0000                   | 2-20034/0480               | 10/09/76         | 70             | 8720             | 4138N 11609E                            | 35.5         | 144.5        | GGGG                               |                     |                      | 133                      | 31                     |
| 2626-02090        | 00000/0000                   | 2-20034/0481               | 10/09/76         | 40             | 8720             | 4013N 11539E                            | 36.5         | 143.4        | GGGG                               |                     |                      | 133                      | 32                     |
| 2626-02093        | 00000/0000                   | 2-20034/0482               | 10/09/76         | 20             | 8720             | 3847N 11510E                            | 37.4         | 142.4        | GGGG                               |                     |                      | 133                      | 33                     |
| 2626-02095        | 00000/0000                   | 2-20034/0483               | 10/09/76         | 40             | 8720             | 3721N 11442E                            | 38.4         | 141.3        | GGGG                               |                     |                      | 133                      | 34                     |
| 2626-02102        | 00000/0000                   | 2-20034/0484               | 10/09/76         | 30             | 8720             | 3555N 11414E                            | 39.3         | 140.1        | GGGG                               |                     |                      | 133                      | 35                     |
| 2626-02104        | 00000/0000                   | 2-20034/0485               | 10/09/76         | 20             | 8720             | 3431N 11347E                            | 40.2         | 139.0        | GGGG                               |                     |                      | 133                      | 36                     |
| 2626-02111        | 00000/0000                   | 2-20034/0486               | 10/09/76         | 10             | 8720             | 3305N 11321E                            | 41.1         | 137.8        | GGGG                               |                     |                      | 133                      | 37                     |
| 2626-02113        | 00000/0000                   | 2-20034/0487               | 10/09/76         | 10             | 8720             | 3139N 11255E                            | 42.0         | 136.6        | GGGG                               |                     |                      | 133                      | 38                     |
| 2626-02120        | 00000/0000                   | 2-20034/0488               | 10/09/76         | 10             | 8720             | 3013N 11231E                            | 42.8         | 135.4        | GGGG                               |                     |                      | 133                      | 39                     |
| 2626-02122        | 00000/0000                   | 2-20034/0489               | 10/09/76         | 50             | 8720             | 2848N 11207E                            | 43.6         | 134.1        | GGGG                               |                     |                      | 133                      | 40                     |
| 2626-02125        | 00000/0000                   | 2-20034/0490               | 10/09/76         | 90             | 8720             | 2722N 11144E                            | 44.4         | 132.8        | GGGG                               |                     |                      | 133                      | 41                     |
| 2626-02131        | 00000/0000                   | 2-20034/0491               | 10/09/76         | 100            | 8720             | 2555N 11121E                            | 45.2         | 131.4        | GGGG                               |                     |                      | 133                      | 42                     |
| 2626-07135        | 00000/0000                   | 2-20034/0572               | 10/09/76         | 100            | 8723             | 5709N 04556E                            | 24.0         | 155.6        | GGGG                               |                     |                      | 187                      | 20                     |
| 2626-07141        | 00000/0000                   | 2-20034/0573               | 10/09/76         | 90             | 8723             | 5545N 04505E                            | 25.0         | 154.5        | GGGG                               |                     |                      | 187                      | 21                     |
| 2626-07144        | 00000/0000                   | 2-20034/0574               | 10/09/76         | 90             | 8723             | 5421N 04417E                            | 26.1         | 153.5        | GGGG                               |                     |                      | 187                      | 22                     |
| 2626-07150        | 00000/0000                   | 2-20034/0575               | 10/09/76         | 100            | 8723             | 5257N 04333E                            | 27.2         | 152.5        | GGGG                               |                     |                      | 187                      | 23                     |
| 2626-07153        | 00000/0000                   | 2-20034/0576               | 10/09/76         | 90             | 8723             | 5133N 04251E                            | 28.3         | 151.5        | GGGG                               |                     |                      | 187                      | 24                     |
| 2626-07155        | 00000/0000                   | 2-20034/0577               | 10/09/76         | 90             | 8723             | 5008N 04211E                            | 29.3         | 150.5        | GGGG                               |                     |                      | 187                      | 25                     |
| 2626-07162        | 00000/0000                   | 2-20034/0578               | 10/09/76         | 70             | 8723             | 4844N 04133E                            | 30.4         | 149.5        | GGGG                               |                     |                      | 187                      | 26                     |
| 2626-07164        | 00000/0000                   | 2-20034/0579               | 10/09/76         | 10             | 8723             | 4719N 04056E                            | 31.4         | 148.5        | GGGG                               |                     |                      | 187                      | 27                     |
| 2626-07171        | 00000/0000                   | 2-20034/0580               | 10/09/76         | 60             | 8723             | 4554N 04021E                            | 32.4         | 147.5        | GGGG                               |                     |                      | 187                      | 28                     |
| 2626-07173        | 00000/0000                   | 2-20034/0581               | 10/09/76         | 80             | 8723             | 4428N 03947E                            | 33.5         | 146.5        | GGGG                               |                     |                      | 187                      | 29                     |
| 2626-12502        | 00000/0000                   | 2-20034/0582               | 10/09/76         | 60             | 8726             | 3423S 05830W                            | 41.8         | 64.5         | GGGG                               |                     |                      | 241                      | 84                     |
| 2626-12504        | 00000/0000                   | 2-20034/0583               | 10/09/76         | 80             | 8726             | 3548S 05857W                            | 40.9         | 63.7         | GGGG                               |                     |                      | 241                      | 85                     |
| 2626-12511        | 00000/0000                   | 2-20034/0584               | 10/09/76         | 70             | 8726             | 3713S 05925W                            | 40.0         | 63.0         | PPPP                               |                     |                      | 241                      | 86                     |
| 2626-12513        | 00000/0000                   | 2-20034/0585               | 10/09/76         | 60             | 8726             | 3848S 05953W                            | 39.1         | 62.2         | GGGG                               |                     |                      | 241                      | 87                     |
| 2626-14065        | 00000/0000                   | 2-20034/0737               | 10/09/76         | 40             | 8727             | 5709N 05720W                            | 23.8         | 155.6        | GGGG                               |                     |                      | 8                        | 20                     |
| 2626-14072        | 00000/0000                   | 2-20034/0738               | 10/09/76         | 40             | 8727             | 5546N 05811W                            | 24.9         | 154.6        | GGGG                               |                     |                      | 8                        | 21                     |
| 2626-14074        | 00000/0000                   | 2-20034/0739               | 10/09/76         | 60             | 8727             | 5422N 05859W                            | 26.0         | 153.6        | GGGG                               |                     |                      | 8                        | 22                     |
| 2626-20552        | 00000/0000                   | 2-20034/0571               | 10/09/76         | 70             | 8731             | 7154N 14445W                            | 11.4         | 172.3        | GGG                                |                     |                      | 80                       | 9                      |
| 2626-23072        | 00000/0000                   | 2-20034/0760               | 10/09/76         | 0              | 8732             | 2533S 14901E                            | 46.6         | 70.9         | GGGG                               |                     |                      | 98                       | 78                     |
| 2626-23075        | 00000/0000                   | 2-20034/0761               | 10/09/76         | 20             | 8732             | 2719S 14838E                            | 45.9         | 69.7         | GGGG                               |                     |                      | 98                       | 79                     |
| 2626-23081        | 00000/0000                   | 2-20034/0762               | 10/09/76         | 30             | 8732             | 2844S 14814E                            | 45.1         | 68.6         | GGGG                               |                     |                      | 98                       | 80                     |
| 2626-23084        | 00000/0000                   | 2-20034/0745               | 10/09/76         | 20             | 8732             | 3009S 14750E                            | 44.3         | 67.5         | GGGG                               |                     |                      | 98                       | 81                     |
| 2626-23090        | 00000/0000                   | 2-20034/0746               | 10/09/76         | 20             | 8732             | 3134S 14725E                            | 43.5         | 66.5         | GGGG                               |                     |                      | 98                       | 82                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REF | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                              |                             |                  |                |                 |                                    |                                     |              |              | 123 45678             |                     |                      |                         |                        |
| 2626-23093        | 00000/0000                   | 2-20034/0747                | 10/09/76         | 10             | 8732            | 3300S                              | 14659E                              | 42.7         | 65.6         | GGGG                  |                     |                      | 98                      | 83                     |
| 2626-23095        | 00000/0000                   | 2-20034/0748                | 10/09/76         | 10             | 8732            | 3424S                              | 14634E                              | 41.9         | 64.7         | GGGG                  |                     |                      | 98                      | 84                     |
| 2626-23102        | 00000/0000                   | 2-20034/0749                | 10/09/76         | 20             | 8732            | 3549S                              | 14608E                              | 41.0         | 63.8         | GGGG                  |                     |                      | 98                      | 85                     |
| 2626-23104        | 00000/0000                   | 2-20034/0750                | 10/09/76         | 70             | 8732            | 3715S                              | 14541E                              | 40.1         | 63.1         | GGGG                  |                     |                      | 98                      | 86                     |
| 2627-00522        | 00000/0000                   | 2-20034/0751                | 10/10/76         | 90             | 8733            | 3135S                              | 12137E                              | 43.6         | 66.5         | FGGG                  |                     |                      | 116                     | 82                     |
| 2627-00524        | 00000/0000                   | 2-20034/0752                | 10/10/76         | 90             | 8733            | 3301S                              | 12112E                              | 42.7         | 65.6         | GGGF                  |                     |                      | 116                     | 83                     |
| 2627-02142        | 00000/0000                   | 2-20034/0753                | 10/10/76         | 90             | 8734            | 4136N                              | 11442E                              | 35.2         | 144.7        | GGGG                  |                     |                      | 134                     | 31                     |
| 2627-02144        | 00000/0000                   | 2-20034/0754                | 10/10/76         | 90             | 8734            | 4011N                              | 11412E                              | 36.2         | 143.7        | GFGG                  |                     |                      | 134                     | 32                     |
| 2627-02151        | 00000/0000                   | 2-20034/0755                | 10/10/76         | 100            | 8734            | 3845N                              | 11343E                              | 37.2         | 142.6        | GFGG                  |                     |                      | 134                     | 33                     |
| 2627-02153        | 00000/0000                   | 2-20034/0756                | 10/10/76         | 100            | 8734            | 3700N                              | 11315E                              | 38.1         | 141.5        | GFFB                  |                     |                      | 134                     | 34                     |
| 2627-02160        | 00000/0000                   | 2-20034/0757                | 10/10/76         | 100            | 8734            | 3554N                              | 11247E                              | 39.0         | 140.4        | GGGG                  |                     |                      | 134                     | 35                     |
| 2627-02162        | 00000/0000                   | 2-20034/0758                | 10/10/76         | 90             | 8734            | 3428N                              | 11220E                              | 40.0         | 139.3        | GGGG                  |                     |                      | 134                     | 36                     |
| 2627-02165        | 00000/0000                   | 2-20034/0759                | 10/10/76         | 90             | 8734            | 3302N                              | 11154E                              | 40.8         | 138.1        | GGGG                  |                     |                      | 134                     | 37                     |
| 2627-03564        | 00000/0000                   | 2-20034/0763                | 10/10/76         | 10             | 8735            | 4429N                              | 08959E                              | 33.2         | 146.8        | GGGG                  |                     |                      | 152                     | 29                     |
| 2627-04014        | 00000/0000                   | 2-20034/0764                | 10/10/76         | 30             | 8735            | 2722N                              | 08430E                              | 44.2         | 133.2        | FFFF                  |                     |                      | 152                     | 41                     |
| 2627-04021        | 00000/0000                   | 2-20034/0765                | 10/10/76         | 10             | 8735            | 2556N                              | 08407E                              | 45.0         | 131.9        | GGGG                  |                     |                      | 152                     | 42                     |
| 2627-04023        | 00000/0000                   | 2-20034/0766                | 10/10/76         | 0              | 8735            | 2440N                              | 08344E                              | 45.7         | 130.5        | GGGG                  |                     |                      | 152                     | 43                     |
| 2627-04030        | 00000/0000                   | 2-20034/0767                | 10/10/76         | 0              | 8735            | 2304N                              | 08322E                              | 46.4         | 129.1        | GGGG                  |                     |                      | 152                     | 44                     |
| 2627-04032        | 00000/0000                   | 2-20034/0768                | 10/10/76         | 0              | 8735            | 2138N                              | 08259E                              | 47.1         | 127.6        | GGGG                  |                     |                      | 152                     | 45                     |
| 2627-04035        | 00000/0000                   | 2-20034/0769                | 10/10/76         | 10             | 8735            | 2011N                              | 08237E                              | 47.8         | 126.1        | GGGG                  |                     |                      | 152                     | 46                     |
| 2627-04041        | 00000/0000                   | 2-20034/0770                | 10/10/76         | 10             | 8735            | 1845N                              | 08215E                              | 48.4         | 124.6        | GGGG                  |                     |                      | 152                     | 47                     |
| 2627-07193        | 00000/0000                   | 2-20034/0605                | 10/10/76         | 20             | 8737            | 5708N                              | 04428E                              | 23.6         | 155.7        | GGGG                  |                     |                      | 188                     | 20                     |
| 2627-07200        | 00000/0000                   | 2-20034/0606                | 10/10/76         | 20             | 8737            | 5545N                              | 04337E                              | 24.7         | 154.7        | GGGG                  |                     |                      | 188                     | 21                     |
| 2627-07202        | 00000/0000                   | 2-20034/0607                | 10/10/76         | 80             | 8737            | 5421N                              | 04249E                              | 25.8         | 153.7        | GGGG                  |                     |                      | 188                     | 22                     |
| 2627-07205        | 00000/0000                   | 2-20034/0593                | 10/10/76         | 90             | 8737            | 5257N                              | 04205E                              | 26.8         | 152.7        | GGGG                  |                     |                      | 188                     | 23                     |
| 2627-07214        | 00000/0000                   | 2-20034/0675                | 10/10/76         | 70             | 8737            | 5009N                              | 04042E                              | 29.0         | 150.7        | GGG                   |                     |                      | 188                     | 25                     |
| 2627-07220        | 00000/0000                   | 2-20034/0676                | 10/10/76         | 60             | 8737            | 4843N                              | 04004E                              | 30.0         | 149.7        | GGG                   |                     |                      | 188                     | 26                     |
| 2627-07223        | 00000/0000                   | 2-20034/0677                | 10/10/76         | 90             | 8737            | 4718N                              | 03927E                              | 31.1         | 148.8        | FGGG                  |                     |                      | 188                     | 27                     |
| 2627-07225        | 00000/0000                   | 2-20034/0678                | 10/10/76         | 90             | 8737            | 4553N                              | 03852E                              | 32.1         | 147.8        | FGGG                  |                     |                      | 188                     | 28                     |
| 2627-07232        | 00000/0000                   | 2-20034/0679                | 10/10/76         | 50             | 8737            | 4428N                              | 03819E                              | 33.1         | 146.8        | FGGG                  |                     |                      | 188                     | 29                     |
| 2627-07325        | 00000/0000                   | 2-20034/0680                | 10/10/76         | 10             | 8737            | 1131N                              | 02852E                              | 51.1         | 116.3        | GGGG                  |                     |                      | 188                     | 52                     |
| 2627-07332        | 00000/0000                   | 2-20034/0681                | 10/10/76         | 20             | 8737            | 1005N                              | 02832E                              | 51.5         | 114.5        | GGGG                  |                     |                      | 188                     | 53                     |
| 2627-07411        | 00000/0000                   | 2-20034/0682                | 10/10/76         | 10             | 8737            | 1714S                              | 02208E                              | 50.3         | 79.5         | GFGG                  |                     |                      | 188                     | 72                     |
| 2627-07414        | 00000/0000                   | 2-20034/0683                | 10/10/76         | 10             | 8737            | 1839S                              | 02147E                              | 49.8         | 78.0         | GGGG                  |                     |                      | 188                     | 73                     |
| 2627-07420        | 00000/0000                   | 2-20034/0684                | 10/10/76         | 0              | 8737            | 2006S                              | 02126E                              | 49.2         | 76.5         | GGGG                  |                     |                      | 188                     | 74                     |
| 2627-12551        | 00000/0000                   | 2-20034/0594                | 10/10/76         | 40             | 8740            | 3135S                              | 05905W                              | 43.7         | 66.7         | FGGG                  |                     |                      | 242                     | 82                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SUN<br>ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|--------------------------------|------------------------|
| 2627-15573        | 00000/0000                   | 2-20034/0588                | 10/10/76         | 90             | 8742                   | 5131N                        | 08742W        | 27.8         | 151.7        | GGGG                               |                     |                      | 27                             | 24                     |
| 2627-15580        | 00000/0000                   | 2-20034/0589                | 10/10/76         | 80             | 8742                   | 5007N                        | 08822W        | 28.9         | 150.8        | GGGG                               |                     |                      | 27                             | 25                     |
| 2627-16053        | 00000/0000                   | 2-20034/0685                | 10/10/76         | 20             | 8742                   | 2427N                        | 09658W        | 45.6         | 130.7        | FGFF                               |                     |                      | 27                             | 43                     |
| 2627-17402        | 00000/0000                   | 2-20034/0586                | 10/10/76         | 90             | 8743                   | 5255N                        | 11250W        | 26.7         | 152.7        | GGG                                |                     |                      | 45                             | 23                     |
| 2627-17405        | 00000/0000                   | 2-20034/0587                | 10/10/76         | 90             | 8743                   | 5131N                        | 11332W        | 27.8         | 151.7        | GGGG                               |                     |                      | 45                             | 24                     |
| 2628-07251        | 00000/0000                   | 2-20034/0595                | 10/11/76         | 80             | 8751                   | 5706N                        | 04300E        | 23.3         | 155.9        | GGGG                               |                     |                      | 189                            | 20                     |
| 2628-07254        | 00000/0000                   | 2-20034/0596                | 10/11/76         | 90             | 8751                   | 5542N                        | 04210E        | 24.4         | 154.8        | GGGG                               |                     |                      | 189                            | 21                     |
| 2628-13000        | 00000/0000                   | 2-20034/0591                | 10/11/76         | 40             | 8754                   | 2841S                        | 05942W        | 45.5         | 69.2         | F FF                               |                     |                      | 243                            | 80                     |
| 2628-13003        | 00000/0000                   | 2-20034/0597                | 10/11/76         | 90             | 8754                   | 3007S                        | 06007W        | 44.8         | 68.1         | FFGG                               |                     |                      | 243                            | 81                     |
| 2628-13005        | 00000/0000                   | 2-20034/0598                | 10/11/76         | 90             | 8754                   | 3133S                        | 06032W        | 44.0         | 67.1         | GFGG                               |                     |                      | 243                            | 82                     |
| 2628-13012        | 00000/0000                   | 2-20034/0599                | 10/11/76         | 70             | 8754                   | 3248S                        | 06058W        | 43.2         | 66.1         | PPPF                               |                     |                      | 243                            | 83                     |
| 2628-13014        | 00000/0000                   | 2-20034/0600                | 10/11/76         | 10             | 8754                   | 3424S                        | 06123W        | 42.3         | 65.2         | GGGG                               |                     |                      | 243                            | 84                     |
| 2628-13021        | 00000/0000                   | 2-20034/0601                | 10/11/76         | 0              | 8754                   | 3550S                        | 06149W        | 41.5         | 64.3         | GGFG                               |                     |                      | 243                            | 85                     |
| 2628-13023        | 00000/0000                   | 2-20034/0602                | 10/11/76         | 10             | 8754                   | 3716S                        | 06216W        | 40.6         | 63.5         | GGGG                               |                     |                      | 243                            | 86                     |
| 2628-13030        | 00000/0000                   | 2-20034/0603                | 10/11/76         | 10             | 8754                   | 3840S                        | 06244W        | 39.7         | 62.8         | FFFF                               |                     |                      | 243                            | 87                     |
| 2628-13032        | 00000/0000                   | 2-20034/0604                | 10/11/76         | 40             | 8754                   | 4004S                        | 06313W        | 38.8         | 62.1         | FFGG                               |                     |                      | 243                            | 88                     |
| 2628-16034        | 00000/0000                   | 2-20034/0590                | 10/11/76         | 70             | 8756                   | 5007N                        | 08949W        | 28.5         | 151.0        | GGGG                               |                     |                      | 28                             | 25                     |
| 2628-16111        | 00000/0000                   | 2-20034/0522                | 10/11/76         | 0              | 8756                   | 2428N                        | 09826W        | 45.4         | 131.1        | GGGG                               |                     |                      | 28                             | 43                     |
| 2628-17463        | 00000/0000                   | 2-20034/0505                | 10/11/76         | 40             | 8757                   | 5131N                        | 11457W        | 27.4         | 151.9        | GGGG                               |                     |                      | 46                             | 24                     |
| 2628-21065        | 00000/0000                   | 2-20034/0592                | 10/11/76         | 30             | 8759                   | 7153N                        | 14738W        | 10.7         | 172.4        | FGGG                               |                     |                      | 82                             | 9                      |
| 2628-23150        | 00000/0000                   | 2-20034/0608                | 10/11/76         | 40             | 8760                   | 2301S                        | 14654E        | 48.4         | 74.4         | GGFG                               |                     |                      | 100                            | 74                     |
| 2628-23212        | 00000/0000                   | 2-20034/0609                | 10/11/76         | 10             | 8760                   | 3456S                        | 14342E        | 42.4         | 65.3         | GGGG                               |                     |                      | 100                            | 84                     |
| 2628-23214        | 00000/0000                   | 2-20034/0610                | 10/11/76         | 10             | 8760                   | 3552S                        | 14315E        | 41.6         | 64.5         | GGGG                               |                     |                      | 100                            | 85                     |
| 2628-23221        | 00000/0000                   | 2-20034/0611                | 10/11/76         | 30             | 8760                   | 3716S                        | 14248E        | 40.7         | 63.7         | GGGG                               |                     |                      | 100                            | 86                     |
| 2629-01032        | 00000/0000                   | 2-20034/0612                | 10/12/76         | 90             | 8761                   | 3007S                        | 11910E        | 44.9         | 68.3         | GGGG                               |                     |                      | 118                            | 81                     |
| 2629-01034        | 00000/0000                   | 2-20034/0613                | 10/12/76         | 30             | 8761                   | 3132S                        | 11845E        | 44.1         | 67.3         | GGGG                               |                     |                      | 118                            | 82                     |
| 2629-01041        | 00000/0000                   | 2-20034/0614                | 10/12/76         | 40             | 8761                   | 3257S                        | 11820E        | 43.3         | 66.3         | GGGG                               |                     |                      | 118                            | 83                     |
| 2629-01043        | 00000/0000                   | 2-20034/0615                | 10/12/76         | 70             | 8761                   | 3423S                        | 11755E        | 42.5         | 65.4         | GGGG                               |                     |                      | 118                            | 84                     |
| 2629-02261        | 00000/0000                   | 2-20034/0616                | 10/12/76         | 30             | 8762                   | 4013N                        | 11121E        | 35.6         | 144.2        | F                                  |                     |                      | 136                            | 32                     |
| 2629-02263        | 00000/0000                   | 2-20034/0617                | 10/12/76         | 10             | 8762                   | 3847N                        | 11052E        | 36.5         | 143.2        | GGGG                               |                     |                      | 136                            | 33                     |
| 2629-02270        | 00000/0000                   | 2-20034/0618                | 10/12/76         | 10             | 8762                   | 3721N                        | 11024E        | 37.5         | 142.2        | GGGG                               |                     |                      | 136                            | 34                     |
| 2629-02272        | 00000/0000                   | 2-20034/0619                | 10/12/76         | 40             | 8762                   | 3556N                        | 10957E        | 38.4         | 141.1        | GGGG                               |                     |                      | 136                            | 35                     |
| 2629-02275        | 00000/0000                   | 2-20034/0620                | 10/12/76         | 90             | 8762                   | 3429N                        | 10930E        | 39.4         | 140.0        | GGGG                               |                     |                      | 136                            | 36                     |
| 2629-02281        | 00000/0000                   | 2-20034/0621                | 10/12/76         | 90             | 8762                   | 3304N                        | 10904E        | 40.3         | 138.8        | GGGG                               |                     |                      | 136                            | 37                     |
| 2629-02284        | 00000/0000                   | 2-20034/0622                | 10/12/76         | 100            | 8762                   | 3138N                        | 10839E        | 41.2         | 137.7        | GGGG                               |                     |                      | 136                            | 38                     |
| 2629-02290        | 00000/0000                   | 2-20034/0623                | 10/12/76         | 100            | 8762                   | 3013N                        | 10815E        | 42.0         | 136.5        | GGGG                               |                     |                      | 136                            | 39                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINT<br>LNG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|-----------------|------------------------------------|--------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2629-04081        | 00000/0000                   | 2-20034/0663               | 10/12/76         | 0              | 8763            | 4428N                              | 08705E       | 32.5         | 147.2        | FGGG                               |                     |                      | 154                     | 29                     |
| 2629-04083        | 00000/0000                   | 2-20034/0664               | 10/12/76         | 0              | 8763            | 4303N                              | 08433E       | 33.5         | 146.2        | GGGG                               |                     |                      | 154                     | 30                     |
| 2629-04090        | 00000/0000                   | 2-20034/0665               | 10/12/76         | 0              | 8763            | 4137N                              | 08602E       | 34.5         | 145.3        | GGGG                               |                     |                      | 154                     | 31                     |
| 2629-04131        | 00000/0000                   | 2-20034/0651               | 10/12/76         | 0              | 8763            | 2721N                              | 08137E       | 43.7         | 134.0        | GGGG                               |                     |                      | 154                     | 41                     |
| 2629-04133        | 00000/0000                   | 2-20034/0652               | 10/12/76         | 0              | 8763            | 2555N                              | 08114E       | 44.5         | 132.7        | GGGG                               |                     |                      | 154                     | 42                     |
| 2629-04140        | 00000/0000                   | 2-20034/0653               | 10/12/76         | 0              | 8763            | 2429N                              | 08050E       | 45.3         | 131.4        | GGGG                               |                     |                      | 154                     | 43                     |
| 2629-04145        | 00000/0000                   | 2-20034/0654               | 10/12/76         | 0              | 8763            | 2135N                              | 08005E       | 46.7         | 128.5        | GGGG                               |                     |                      | 154                     | 45                     |
| 2629-04151        | 00000/0000                   | 2-20034/0655               | 10/12/76         | 0              | 8763            | 2009N                              | 07943E       | 47.4         | 127.1        | GGGG                               |                     |                      | 154                     | 46                     |
| 2629-04154        | 00000/0000                   | 2-20034/0656               | 10/12/76         | 0              | 8763            | 1843N                              | 07922E       | 48.1         | 125.6        | GGGG                               |                     |                      | 154                     | 47                     |
| 2629-04160        | 00000/0000                   | 2-20034/0657               | 10/12/76         | 0              | 8763            | 1717N                              | 07901E       | 48.7         | 124.0        | GGGG                               |                     |                      | 154                     | 48                     |
| 2629-04163        | 00000/0000                   | 2-20034/0658               | 10/12/76         | 0              | 8763            | 1551N                              | 07840E       | 49.3         | 122.4        | GGGG                               |                     |                      | 154                     | 49                     |
| 2629-04181        | 00000/0000                   | 2-20034/0691               | 10/12/76         | 50             | 8763            | 1005N                              | 07718E       | 51.3         | 115.6        | GGGG                               |                     |                      | 154                     | 53                     |
| 2629-04231        | 00000/0000                   | 2-20034/0792               | 10/12/76         | 80             | 8763            | 0711S                              | 07317E       | 52.9         | 92.8         | GGGG                               |                     | H                    | 154                     | 68                     |
| 2629-07310        | 00000/0000                   | 2-20034/0793               | 10/12/76         | 40             | 8765            | 5707N                              | 04136E       | 22.9         | 156.0        | GGGG                               |                     |                      | 190                     | 20                     |
| 2629-07312        | 00000/0000                   | 2-20034/0794               | 10/12/76         | 70             | 8765            | 5543N                              | 04045E       | 24.0         | 155.0        | GFGG                               |                     |                      | 190                     | 21                     |
| 2629-07315        | 00000/0000                   | 2-20034/0795               | 10/12/76         | 100            | 8765            | 5419N                              | 03958E       | 25.1         | 154.0        | GGGG                               |                     |                      | 190                     | 22                     |
| 2629-07321        | 00000/0000                   | 2-20034/0506               | 10/12/76         | 70             | 8765            | 5255N                              | 03913E       | 26.2         | 153.0        | GGGG                               |                     |                      | 190                     | 23                     |
| 2629-07324        | 00000/0000                   | 2-20034/0507               | 10/12/76         | 90             | 8765            | 5131N                              | 03831E       | 27.2         | 152.0        | GGGG                               |                     |                      | 190                     | 24                     |
| 2629-07330        | 00000/0000                   | 2-20034/0808               | 10/12/76         | 100            | 8765            | 5007N                              | 03750E       | 28.3         | 151.1        | GGGG                               |                     |                      | 190                     | 25                     |
| 2629-07342        | 00000/0000                   | 2-20034/0509               | 10/12/76         | 40             | 8765            | 4551N                              | 03601E       | 31.5         | 148.2        | GFGG                               |                     |                      | 190                     | 28                     |
| 2629-07344        | 00000/0000                   | 2-20034/0510               | 10/12/76         | 10             | 8765            | 4427N                              | 03528E       | 32.5         | 147.3        | GGGG                               |                     |                      | 190                     | 29                     |
| 2629-13054        | 00000/0000                   | 2-20034/0521               | 10/12/76         | 70             | 8768            | 2844S                              | 06110W       | 45.8         | 69.6         | P                                  |                     |                      | 244                     | 80                     |
| 2629-13070        | 00000/0000                   | 2-20034/0511               | 10/12/76         | 90             | 8768            | 3300S                              | 06224W       | 43.4         | 66.4         | GGGG                               |                     |                      | 244                     | 83                     |
| 2629-13072        | 00000/0000                   | 2-20034/0512               | 10/12/76         | 80             | 8768            | 3426S                              | 06249W       | 42.6         | 65.5         | GGGG                               |                     |                      | 244                     | 84                     |
| 2629-13075        | 00000/0000                   | 2-20034/0513               | 10/12/76         | 90             | 8768            | 3551S                              | 06316W       | 41.8         | 64.6         | GGGG                               |                     |                      | 244                     | 85                     |
| 2629-13081        | 00000/0000                   | 2-20034/0514               | 10/12/76         | 80             | 8768            | 3716S                              | 06343W       | 40.9         | 63.8         | GFGG                               |                     |                      | 244                     | 86                     |
| 2629-14261        | 00000/0000                   | 2-20034/0707               | 10/12/76         | 80             | 8769            | 5005N                              | 06525W       | 28.2         | 151.1        | GGGG                               |                     |                      | 11                      | 25                     |
| 2629-14263        | 00000/0000                   | 2-20034/0708               | 10/12/76         | 30             | 8769            | 4840N                              | 06603W       | 29.3         | 150.2        | FGGG                               |                     |                      | 11                      | 26                     |
| 2629-14293        | 00000/0000                   | 2-20034/0709               | 10/12/76         | 90             | 8769            | 3845N                              | 06951W       | 36.4         | 143.3        | GGGG                               |                     |                      | 11                      | 33                     |
| 2629-14295        | 00000/0000                   | 2-20034/0710               | 10/12/76         | 80             | 8769            | 3719N                              | 07019W       | 37.4         | 142.3        | GGGG                               |                     |                      | 11                      | 34                     |
| 2629-14302        | 00000/0000                   | 2-20034/0711               | 10/12/76         | 90             | 8769            | 3554N                              | 07046W       | 38.3         | 141.2        | GGGG                               |                     |                      | 11                      | 35                     |
| 2629-14304        | 00000/0000                   | 2-20034/0712               | 10/12/76         | 90             | 8769            | 3427N                              | 07112W       | 39.2         | 140.1        | GGGG                               |                     |                      | 11                      | 36                     |
| 2629-16090        | 00000/0000                   | 2-20034/0713               | 10/12/76         | 30             | 8770            | 5129N                              | 09035W       | 27.2         | 152.1        | GGGG                               |                     |                      | 29                      | 24                     |
| 2629-16092        | 00000/0000                   | 2-20034/0714               | 10/12/76         | 20             | 8770            | 5004N                              | 09115W       | 28.2         | 151.1        | GGGG                               |                     |                      | 29                      | 25                     |
| 2629-16165        | 00000/0000                   | 2-20034/0736               | 10/12/76         | 50             | 8770            | 2426N                              | 09951W       | 45.2         | 131.5        | GGGG                               |                     |                      | 29                      | 43                     |
| 2629-21123        | 00000/0000                   | 2-20034/0829               | 10/12/76         | 10             | 8773            | 7153N                              | 14905W       | 10.3         | 172.5        | GGGG                               |                     |                      | 83                      | 9                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2629-23270        | 00000/0000 2-20034/0515                            | 10/12/76         | 100            | 8774            | 3425S                                   | 14216E       | 42.7         | 65.7                               |                     |                      |                         |                        |
| 2629-23272        | 00000/0000 2-20034/0516                            | 10/12/76         | 90             | 8774            | 3551S                                   | 14150E       | 41.9         | 64.8                               | GGGG                |                      | 101                     | 84                     |
| 2629-23275        | 00000/0000 2-20034/0517                            | 10/12/76         | 70             | 8774            | 3715S                                   | 14123E       | 41.0         | 64.0                               | GGGG                |                      | 101                     | 85                     |
| 2630-01090        | 00000/0000 2-20034/0518                            | 10/13/76         | 20             | 8775            | 3010S                                   | 11745E       | 45.2         | 68.7                               | GGGG                |                      | 101                     | 86                     |
| 2630-01093        | 00000/0000 2-20034/0519                            | 10/13/76         | 10             | 8775            | 3135S                                   | 11719E       | 44.4         | 67.6                               | GGGG                |                      | 119                     | 81                     |
| 2630-01095        | 00000/0000 2-20034/0520                            | 10/13/76         | 20             | 8775            | 3300S                                   | 11654E       | 43.6         | 66.6                               | GGGG                |                      | 119                     | 82                     |
| 2630-02333        | 00000/0000 2-20034/0796                            | 10/13/76         | 30             | 8776            | 3427N                                   | 10802E       | 39.1         | 140.3                              | GGGG                |                      | 119                     | 83                     |
| 2630-02340        | 00000/0000 2-20034/0797                            | 10/13/76         | 40             | 8776            | 3301N                                   | 10736E       | 40.0         | 139.1                              | GGGG                |                      | 137                     | 36                     |
| 2630-02342        | 00000/0000 2-20034/0771                            | 10/13/76         | 40             | 8776            | 3136N                                   | 10711E       | 40.9         | 138.0                              | GGGG                |                      | 137                     | 37                     |
| 2630-04130        | 00000/0000 2-20034/0772                            | 10/13/76         | 50             | 8777            | 4714N                                   | 08647E       | 30.2         | 149.3                              | GGGG                |                      | 137                     | 38                     |
| 2630-04133        | 00000/0000 2-20034/0773                            | 10/13/76         | 10             | 8777            | 4550N                                   | 08612E       | 31.2         | 148.4                              | GGGG                |                      | 155                     | 27                     |
| 2630-04135        | 00000/0000 2-20034/0774                            | 10/13/76         | 10             | 8777            | 4424N                                   | 08538E       | 32.2         | 147.4                              | GGGG                |                      | 155                     | 28                     |
| 2630-04183        | 00000/0000 2-20034/0775                            | 10/13/76         | 10             | 8777            | 2843N                                   | 08033E       | 42.6         | 135.6                              | GGGG                |                      | 155                     | 29                     |
| 2630-04185        | 00000/0000 2-20034/0776                            | 10/13/76         | 0              | 8777            | 2717N                                   | 08010E       | 43.5         | 134.4                              | GGGG                |                      | 155                     | 40                     |
| 2630-04192        | 00000/0000 2-20034/0777                            | 10/13/76         | 0              | 8777            | 2552N                                   | 07947E       | 44.3         | 133.1                              | GGGG                |                      | 155                     | 41                     |
| 2630-04194        | 00000/0000 2-20034/0778                            | 10/13/76         | 0              | 8777            | 2426N                                   | 07924E       | 45.0         | 131.7                              | GGGG                |                      | 155                     | 42                     |
| 2630-04201        | 00000/0000 2-20034/0779                            | 10/13/76         | 0              | 8777            | 2300N                                   | 07901E       | 45.8         | 130.4                              | GGGG                |                      | 155                     | 43                     |
| 2630-04203        | 00000/0000 2-20034/0780                            | 10/13/76         | 0              | 8777            | 2133N                                   | 07839E       | 46.5         | 129.0                              | GGGG                |                      | 155                     | 44                     |
| 2630-04210        | 00000/0000 2-20034/0781                            | 10/13/76         | 0              | 8777            | 2007N                                   | 07817E       | 47.2         | 127.5                              | GGGG                |                      | 155                     | 45                     |
| 2630-04212        | 00000/0000 2-20034/0782                            | 10/13/76         | 0              | 8777            | 1841N                                   | 07755E       | 47.9         | 126.0                              | GGGG                |                      | 155                     | 46                     |
| 2630-04215        | 00000/0000 2-20034/0783                            | 10/13/76         | 0              | 8777            | 1714N                                   | 07734E       | 48.5         | 124.4                              | GGGG                |                      | 155                     | 47                     |
| 2630-04221        | 00000/0000 2-20034/0784                            | 10/13/76         | 10             | 8777            | 1548N                                   | 07713E       | 49.1         | 122.9                              | GGGG                |                      | 155                     | 48                     |
| 2630-04224        | 00000/0000 2-20034/0785                            | 10/13/76         | 10             | 8777            | 1421N                                   | 07652E       | 49.7         | 121.2                              | GGGG                |                      | 155                     | 49                     |
| 2630-04230        | 00000/0000 2-20034/0786                            | 10/13/76         | 10             | 8777            | 1255N                                   | 07632E       | 50.2         | 119.5                              | GGGG                |                      | 155                     | 50                     |
| 2630-04233        | 00000/0000 2-20034/0787                            | 10/13/76         | 20             | 8777            | 1129N                                   | 07611E       | 50.7         | 117.8                              | GGGG                |                      | 155                     | 51                     |
| 2630-04280        | 00000/0000 2-20034/0788                            | 10/13/76         | 70             | 8777            | 0422S                                   | 07229E       | 53.1         | 97.2                               | GGGG                |                      | 155                     | 52                     |
| 2630-04283        | 00000/0000 2-20034/0789                            | 10/13/76         | 80             | 8777            | 0548S                                   | 07209E       | 53.0         | 95.3                               | GGGG                | H                    | 155                     | 63                     |
| 2630-04285        | 00000/0000 2-20034/0790                            | 10/13/76         | 90             | 8777            | 0714S                                   | 07149E       | 52.9         | 93.4                               | GGGG                | H                    | 155                     | 64                     |
| 2630-05591        | 00000/0000 2-20034/0798                            | 10/13/76         | 10             | 8778            | 3718N                                   | 05718E       | 37.2         | 142.4                              | GGGG                | H                    | 173                     | 65                     |
| 2630-05594        | 00000/0000 2-20034/0799                            | 10/13/76         | 0              | 8778            | 3553N                                   | 05650E       | 38.1         | 141.4                              | GGGG                |                      | 173                     | 34                     |
| 2630-06000        | 00000/0000 2-20034/0800                            | 10/13/76         | 0              | 8778            | 3427N                                   | 05624E       | 39.1         | 140.3                              | GGGG                |                      | 173                     | 35                     |
| 2630-06003        | 00000/0000 2-20034/0801                            | 10/13/76         | 10             | 8778            | 3301N                                   | 05558E       | 40.0         | 139.2                              | GGGG                |                      | 173                     | 36                     |
| 2630-06005        | 00000/0000 2-20034/0802                            | 10/13/76         | 0              | 8778            | 3135N                                   | 05533E       | 40.9         | 138.0                              | GGGG                |                      | 173                     | 37                     |
| 2630-06012        | 00000/0000 2-20034/0803                            | 10/13/76         | 10             | 8778            | 3009N                                   | 05508E       | 41.7         | 136.9                              | GGGG                |                      | 173                     | 38                     |
| 2630-06014        | 00000/0000 2-20034/0804                            | 10/13/76         | 0              | 8778            | 2843N                                   | 05444E       | 42.6         | 135.6                              | GGGG                |                      | 173                     | 39                     |
| 2630-06021        | 00000/0000 2-20034/0805                            | 10/13/76         | 10             | 8778            | 2717N                                   | 05421E       | 43.4         | 134.4                              | GGGG                |                      | 173                     | 40                     |
|                   |                                                    |                  |                |                 |                                         |              |              |                                    |                     |                      |                         | 41                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER,  
IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|--------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2630-07364        | 00000/0000                   | 2-20034/0686                         | 10/13/76         | 60             | 8779            | 5704N                              | 04010E                              | 22.6         | 156.1        | G                 |             |                     |                      | 191                     | 20                     |
| 2630-07370        | 00000/0000                   | 2-20034/0687                         | 10/13/76         | 60             | 8779            | 5541N                              | 03919E                              | 23.7         | 155.1        | GFGG              |             |                     |                      | 191                     | 21                     |
| 2630-07373        | 00000/0000                   | 2-20034/0688                         | 10/13/76         | 100            | 8779            | 5417N                              | 03831E                              | 24.8         | 154.1        | FFFG              |             |                     |                      | 191                     | 22                     |
| 2630-07375        | 00000/0000                   | 2-20034/0689                         | 10/13/76         | 90             | 8779            | 5253N                              | 03746E                              | 25.9         | 153.1        | FGGG              |             |                     |                      | 191                     | 23                     |
| 2630-07382        | 00000/0000                   | 2-20034/0690                         | 10/13/76         | 100            | 8779            | 5128N                              | 03704E                              | 26.9         | 152.2        | GFGG              |             |                     |                      | 191                     | 24                     |
| 2630-07384        | 00000/0000                   | 2-20034/0691                         | 10/13/76         | 100            | 8779            | 5004N                              | 03624E                              | 28.0         | 151.2        | GGGG              |             |                     |                      | 191                     | 25                     |
| 2630-07391        | 00000/0000                   | 2-20034/0692                         | 10/13/76         | 90             | 8779            | 4840N                              | 03545E                              | 29.1         | 150.3        | GGGG              |             |                     |                      | 191                     | 26                     |
| 2630-07393        | 00000/0000                   | 2-20034/0693                         | 10/13/76         | 90             | 8779            | 4714N                              | 03508E                              | 30.1         | 149.4        | GGGG              |             |                     |                      | 191                     | 27                     |
| 2630-07400        | 00000/0000                   | 2-20034/0694                         | 10/13/76         | 80             | 8779            | 4548N                              | 03434E                              | 31.2         | 148.4        | GGGF              |             |                     |                      | 191                     | 28                     |
| 2630-07402        | 00000/0000                   | 2-20034/0695                         | 10/13/76         | 40             | 8779            | 4423N                              | 03401E                              | 32.2         | 147.5        | GGGG              |             |                     |                      | 191                     | 29                     |
| 2630-13115        | 00000/0000                   | 2-20034/0696                         | 10/13/76         | 30             | 8782            | 3008S                              | 06259W                              | 45.3         | 68.9         | GGGG              |             |                     |                      | 245                     | 81                     |
| 2630-13122        | 00000/0000                   | 2-20034/0697                         | 10/13/76         | 20             | 8782            | 3134S                              | 06324W                              | 44.5         | 67.8         | FFGG              |             |                     |                      | 245                     | 82                     |
| 2630-13124        | 00000/0000                   | 2-20034/0698                         | 10/13/76         | 30             | 8782            | 3259S                              | 06349W                              | 43.7         | 66.8         | GGGG              |             |                     |                      | 245                     | 83                     |
| 2630-13131        | 00000/0000                   | 2-20034/0699                         | 10/13/76         | 60             | 8782            | 3425S                              | 06415W                              | 42.9         | 65.9         | FGGG              |             |                     |                      | 245                     | 84                     |
| 2630-13133        | 00000/0000                   | 2-20034/0700                         | 10/13/76         | 90             | 8782            | 3505S                              | 06441W                              | 42.1         | 65.0         | FGGG              |             |                     |                      | 245                     | 85                     |
| 2630-13140        | 00000/0000                   | 2-20034/0701                         | 10/13/76         | 100            | 8782            | 3715S                              | 06509W                              | 41.2         | 64.2         | FGGG              |             |                     |                      | 245                     | 86                     |
| 2630-14312        | 00000/0000                   | 2-20034/0730                         | 10/13/76         | 90             | 8783            | 5130N                              | 06612W                              | 26.8         | 152.3        | GGGG              |             |                     |                      | 12                      | 24                     |
| 2630-14315        | 00000/0000                   | 2-20034/0731                         | 10/13/76         | 90             | 8783            | 5005N                              | 06652W                              | 27.9         | 151.3        | GGGG              |             |                     |                      | 12                      | 25                     |
| 2630-14321        | 00000/0000                   | 2-20034/0732                         | 10/13/76         | 90             | 8783            | 4840N                              | 06730W                              | 29.0         | 150.4        | GGGG              |             |                     |                      | 12                      | 26                     |
| 2630-14362        | 00000/0000                   | 2-20034/0733                         | 10/13/76         | 60             | 8783            | 3428N                              | 07239W                              | 38.9         | 140.4        | GGGG              |             |                     |                      | 12                      | 36                     |
| 2630-14365        | 00000/0000                   | 2-20034/0734                         | 10/13/76         | 40             | 8783            | 3322N                              | 07305W                              | 39.9         | 139.3        | GGG               |             |                     |                      | 12                      | 37                     |
| 2630-14371        | 00000/0000                   | 2-20034/0735                         | 10/13/76         | 30             | 8783            | 3136N                              | 07330W                              | 40.8         | 138.2        | GGG               |             |                     |                      | 12                      | 38                     |
| 2630-16150        | 00000/0000                   | 2-20034/0955                         | 10/13/76         | 70             | 8784            | 5005N                              | 09240W                              | 27.9         | 151.3        | G                 |             |                     |                      | 30                      | 25                     |
| 2630-23324        | 00000/0000                   | 2-20034/0702                         | 10/13/76         | 50             | 8788            | 3423S                              | 14051E                              | 43.0         | 66.0         | GGGG              |             |                     |                      | 102                     | 84                     |
| 2630-23331        | 00000/0000                   | 2-20034/0703                         | 10/13/76         | 50             | 8788            | 3548S                              | 14024E                              | 42.2         | 65.1         | GGGG              |             |                     |                      | 102                     | 85                     |
| 2631-01142        | 00000/0000                   | 2-20034/0704                         | 10/14/76         | 20             | 8789            | 2843S                              | 11641E                              | 46.2         | 70.2         | GGGG              |             |                     |                      | 120                     | 80                     |
| 2631-01144        | 00000/0000                   | 2-20034/0705                         | 10/14/76         | 30             | 8789            | 3008S                              | 11617E                              | 45.4         | 69.1         | GGGG              |             |                     |                      | 120                     | 81                     |
| 2631-01151        | 00000/0000                   | 2-20034/0706                         | 10/14/76         | 40             | 8789            | 3134S                              | 11552E                              | 44.7         | 68.0         | GGGG              |             |                     |                      | 120                     | 82                     |
| 2631-02391        | 00000/0000                   | 2-20034/0832                         | 10/14/76         | 70             | 8790            | 3427N                              | 10638E                              | 38.8         | 140.6        | GGG               |             |                     |                      | 138                     | 36                     |
| 2631-02394        | 00000/0000                   | 2-20034/0833                         | 10/14/76         | 80             | 8790            | 3302N                              | 10612E                              | 39.7         | 139.5        | GGGG              |             |                     |                      | 138                     | 37                     |
| 2631-04184        | 00000/0000                   | 2-20034/0834                         | 10/14/76         | 90             | 8791            | 4719N                              | 08524E                              | 29.8         | 149.6        | GGGG              |             |                     |                      | 156                     | 27                     |
| 2631-04191        | 00000/0000                   | 2-20034/0835                         | 10/14/76         | 70             | 8791            | 4554N                              | 08449E                              | 30.8         | 148.6        | GGGG              |             |                     |                      | 156                     | 28                     |
| 2631-04193        | 00000/0000                   | 2-20034/0836                         | 10/14/76         | 10             | 8791            | 4429N                              | 08415E                              | 31.9         | 147.7        | GGGG              |             |                     |                      | 156                     | 29                     |
| 2631-04241        | 00000/0000                   | 2-20034/0837                         | 10/14/76         | 10             | 8791            | 2849N                              | 07911E                              | 42.3         | 136.0        | GGGG              |             |                     |                      | 156                     | 40                     |
| 2631-04243        | 00000/0000                   | 2-20034/0838                         | 10/14/76         | 0              | 8791            | 2723N                              | 07847E                              | 43.2         | 134.8        | GGGG              |             |                     |                      | 156                     | 41                     |
| 2631-04250        | 00000/0000                   | 2-20034/0839                         | 10/14/76         | 0              | 8791            | 2557N                              | 07824E                              | 44.0         | 133.5        | GGGG              |             |                     |                      | 156                     | 42                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2631-04252        | 00000/0000                   | 2-20034/0840                | 10/14/76         | 0              | 8791            | 2431N 07800E                            | 44.8         | 132.2        | GGGG                               |                     |                      | 156                     | 43                     |
| 2631-04255        | 00000/0000                   | 2-20034/0841                | 10/14/76         | 0              | 8791            | 2304N 07737E                            | 45.5         | 130.9        | GGGG                               |                     |                      | 156                     | 44                     |
| 2631-04261        | 00000/0000                   | 2-20034/0842                | 10/14/76         | 0              | 8791            | 2138N 07714E                            | 46.3         | 129.5        | GGGG                               |                     |                      | 156                     | 45                     |
| 2631-04264        | 00000/0000                   | 2-20034/0843                | 10/14/76         | 0              | 8791            | 2012N 07652E                            | 47.0         | 128.0        | GGGG                               |                     |                      | 156                     | 46                     |
| 2631-04270        | 00000/0000                   | 2-20034/0844                | 10/14/76         | 0              | 8791            | 1845N 07631E                            | 47.7         | 126.5        | GGGG                               |                     |                      | 156                     | 47                     |
| 2631-04273        | 00000/0000                   | 2-20034/0845                | 10/14/76         | 10             | 8791            | 1719N 07609E                            | 48.3         | 125.0        | GGGG                               |                     |                      | 156                     | 48                     |
| 2631-04275        | 00000/0000                   | 2-20034/0846                | 10/14/76         | 10             | 8791            | 1553N 07549E                            | 48.9         | 123.4        | GGGG                               |                     |                      | 156                     | 49                     |
| 2631-04282        | 00000/0000                   | 2-20034/0847                | 10/14/76         | 60             | 8791            | 1426N 07528E                            | 49.5         | 121.8        | GGGG                               |                     |                      | 156                     | 50                     |
| 2631-06045        | 00000/0000                   | 2-20034/0659                | 10/14/76         | 60             | 8792            | 3722N 05553E                            | 36.8         | 142.8        | GGGG                               |                     |                      | 174                     | 34                     |
| 2631-06061        | 00000/0000                   | 2-20034/0660                | 10/14/76         | 0              | 8792            | 3305N 05434E                            | 39.6         | 139.6        | FGGG                               |                     |                      | 174                     | 37                     |
| 2631-06063        | 00000/0000                   | 2-20034/0715                | 10/14/76         | 10             | 8792            | 3139N 05409E                            | 40.5         | 138.4        | GGGG                               |                     |                      | 174                     | 38                     |
| 2631-06070        | 00000/0000                   | 2-20034/0716                | 10/14/76         | 0              | 8792            | 3013N 05344E                            | 41.4         | 137.3        | GGGG                               |                     |                      | 174                     | 39                     |
| 2631-06072        | 00000/0000                   | 2-20034/0717                | 10/14/76         | 10             | 8792            | 2848N 05320E                            | 42.3         | 136.1        | GGGG                               |                     |                      | 174                     | 40                     |
| 2631-06075        | 00000/0000                   | 2-20034/0718                | 10/14/76         | 10             | 8792            | 2721N 05256E                            | 43.1         | 134.8        | GGGG                               |                     |                      | 174                     | 41                     |
| 2631-07422        | 00000/0000                   | 2-20034/0719                | 10/14/76         | 10             | 8793            | 5709N 03844E                            | 22.2         | 156.3        | FGGG                               |                     |                      | 192                     | 20                     |
| 2631-07425        | 00000/0000                   | 2-20034/0720                | 10/14/76         | 0              | 8793            | 5545N 03754E                            | 23.3         | 155.3        | GGGG                               |                     |                      | 192                     | 21                     |
| 2631-07431        | 00000/0000                   | 2-20034/0721                | 10/14/76         | 20             | 8793            | 5421N 03707E                            | 24.4         | 154.3        | GGGG                               |                     |                      | 192                     | 22                     |
| 2631-07434        | 00000/0000                   | 2-20034/0722                | 10/14/76         | 90             | 8793            | 5257N 03622E                            | 25.5         | 153.4        | GGGG                               |                     |                      | 192                     | 23                     |
| 2631-07440        | 00000/0000                   | 2-20034/0723                | 10/14/76         | 100            | 8793            | 5133N 03540E                            | 26.5         | 152.4        | FGGG                               |                     |                      | 192                     | 24                     |
| 2631-07443        | 00000/0000                   | 2-20034/0724                | 10/14/76         | 100            | 8793            | 5008N 03500E                            | 27.6         | 151.5        | GGGG                               |                     |                      | 192                     | 25                     |
| 2631-07445        | 00000/0000                   | 2-20034/0725                | 10/14/76         | 90             | 8793            | 4843N 03422E                            | 28.7         | 150.5        | GGGG                               |                     |                      | 192                     | 26                     |
| 2631-07452        | 00000/0000                   | 2-20034/0726                | 10/14/76         | 60             | 8793            | 4718N 03346E                            | 29.7         | 149.6        | GGGG                               |                     |                      | 192                     | 27                     |
| 2631-07454        | 00000/0000                   | 2-20034/0727                | 10/14/76         | 70             | 8793            | 4553N 03311E                            | 30.8         | 148.7        | GGGG                               |                     |                      | 192                     | 28                     |
| 2631-13180        | 00000/0000                   | 2-20034/0728                | 10/14/76         | 10             | 8796            | 3133S 06450W                            | 44.8         | 68.2         | GGGG                               |                     |                      | 246                     | 82                     |
| 2631-13182        | 00000/0000                   | 2-20034/0729                | 10/14/76         | 0              | 8796            | 3259S 06515W                            | 44.0         | 67.2         | GGGG                               |                     |                      | 246                     | 83                     |
| 2631-14373        | 00000/0000                   | 2-20034/0740                | 10/14/76         | 100            | 8797            | 5009N 06816W                            | 27.5         | 151.5        | G                                  |                     |                      | 13                      | 25                     |
| 2631-14375        | 00000/0000                   | 2-20034/0741                | 10/14/76         | 100            | 8797            | 4845N 06854W                            | 28.6         | 150.6        | FGGG                               |                     |                      | 13                      | 26                     |
| 2631-14432        | 00000/0000                   | 2-20034/0742                | 10/14/76         | 40             | 8797            | 3014N 07520W                            | 41.3         | 137.4        | GGGG                               |                     |                      | 13                      | 39                     |
| 2631-14434        | 00000/0000                   | 2-20034/0743                | 10/14/76         | 30             | 8797            | 2848N 07544W                            | 42.2         | 136.2        | GGGG                               |                     |                      | 13                      | 40                     |
| 2631-14441        | 00000/0000                   | 2-20034/0744                | 10/14/76         | 30             | 8797            | 2722N 07608W                            | 43.0         | 135.0        | GGGG                               |                     |                      | 13                      | 41                     |
| 2631-16202        | 00000/0000                   | 2-20034/0830                | 10/14/76         | 90             | 8798            | 5134N 09324W                            | 26.4         | 152.5        | FGGG                               |                     |                      | 31                      | 24                     |
| 2631-16204        | 00000/0000                   | 2-20034/0831                | 10/14/76         | 80             | 8798            | 5010N 09405W                            | 27.5         | 151.5        | GGGG                               |                     |                      | 31                      | 25                     |
| 2631-23382        | 00000/0000                   | 2-20034/0661                | 10/14/76         | 70             | 8802            | 3422S 13924E                            | 43.3         | 66.4         | GGGG                               |                     |                      | 103                     | 84                     |
| 2632-01200        | 00000/0000                   | 2-20034/0662                | 10/15/76         | 0              | 8803            | 2842S 11515E                            | 46.4         | 70.7         | GGGG                               |                     |                      | 121                     | 80                     |
| 2632-02434        | 00000/0000                   | 2-20034/0666                | 10/15/76         | 10             | 8804            | 3845N 10634E                            | 35.6         | 144.0        | FGGG                               |                     |                      | 139                     | 33                     |
| 2632-02441        | 00000/0000                   | 2-20034/0667                | 10/15/76         | 50             | 8804            | 3720N 10606E                            | 36.6         | 143.0        | FGGG                               |                     |                      | 139                     | 34                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | RAII NO./<br>IN RAII<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2632-02443        | 00000/0000                   | 2-20034/0668                | 10/15/76         | 80             | 8804            | 3545N                        | 10539E        | 37.6         | 142.0        | GGGG                  |                     |                      | 139                     | 35                     |
| 2632-02450        | 00000/0000                   | 2-20034/0669                | 10/15/76         | 90             | 8804            | 3430N                        | 10512E        | 38.5         | 140.9        | GGGG                  |                     |                      | 139                     | 36                     |
| 2632-02452        | 00000/0000                   | 2-20034/0670                | 10/15/76         | 90             | 8804            | 3304N                        | 10446E        | 39.4         | 139.8        | GGGG                  |                     |                      | 139                     | 37                     |
| 2632-02455        | 00000/0000                   | 2-20034/0671                | 10/15/76         | 90             | 8804            | 3139N                        | 10421E        | 40.3         | 138.7        | GGGG                  |                     |                      | 139                     | 38                     |
| 2632-02461        | 00000/0000                   | 2-20034/0672                | 10/15/76         | 100            | 8804            | 3013N                        | 10356E        | 41.2         | 137.5        | GGGG                  |                     |                      | 139                     | 39                     |
| 2632-02464        | 00000/0000                   | 2-20034/0673                | 10/15/76         | 90             | 8804            | 2847N                        | 10333E        | 42.1         | 136.3        | GGGG                  |                     |                      | 139                     | 40                     |
| 2632-02470        | 00000/0000                   | 2-20034/0674                | 10/15/76         | 90             | 8804            | 2720N                        | 10309E        | 42.9         | 135.1        | GGGG                  |                     |                      | 139                     | 41                     |
| 2632-04252        | 00000/0000                   | 2-20034/0624                | 10/15/76         | 10             | 8805            | 4429N                        | 08249E        | 31.5         | 147.9        | FGGG                  |                     |                      | 157                     | 29                     |
| 2632-04254        | 00000/0000                   | 2-20034/0625                | 10/15/76         | 10             | 8805            | 4305N                        | 08216E        | 32.6         | 147.0        | FGGG                  |                     |                      | 157                     | 30                     |
| 2632-06104        | 00000/0000                   | 2-20034/0806                | 10/15/76         | 10             | 8806            | 3723N                        | 05427E        | 36.5         | 143.1        | GGGG                  |                     |                      | 175                     | 34                     |
| 2632-06110        | 00000/0000                   | 2-20034/0807                | 10/15/76         | 10             | 8806            | 3557N                        | 05400E        | 37.5         | 142.0        | GGGG                  |                     |                      | 175                     | 35                     |
| 2632-06113        | 00000/0000                   | 2-20034/0808                | 10/15/76         | 10             | 8806            | 3431N                        | 05334E        | 38.4         | 141.0        | FGGG                  |                     |                      | 175                     | 36                     |
| 2632-06115        | 00000/0000                   | 2-20034/0809                | 10/15/76         | 10             | 8806            | 3306N                        | 05309E        | 39.4         | 139.9        | GGGF                  |                     |                      | 175                     | 37                     |
| 2632-06122        | 00000/0000                   | 2-20034/0810                | 10/15/76         | 10             | 8806            | 3140N                        | 05243E        | 40.3         | 138.8        | FGGG                  |                     |                      | 175                     | 38                     |
| 2632-06124        | 00000/0000                   | 2-20034/0811                | 10/15/76         | 20             | 8806            | 3014N                        | 05219E        | 41.2         | 137.6        | GGGG                  |                     |                      | 175                     | 39                     |
| 2632-06131        | 00000/0000                   | 2-20034/0812                | 10/15/76         | 10             | 8806            | 2848N                        | 05155E        | 42.0         | 136.4        | GGGG                  |                     |                      | 175                     | 40                     |
| 2632-07480        | 00000/0000                   | 2-20034/0813                | 10/15/76         | 40             | 8807            | 5709N                        | 03718E        | 21.8         | 156.5        | FGGG                  |                     |                      | 193                     | 20                     |
| 2632-07483        | 00000/0000                   | 2-20034/0814                | 10/15/76         | 20             | 8807            | 5545N                        | 03627E        | 22.9         | 155.5        | GGGG                  |                     |                      | 193                     | 21                     |
| 2632-07485        | 00000/0000                   | 2-20034/0815                | 10/15/76         | 10             | 8807            | 5421N                        | 03539E        | 24.0         | 154.5        | GGGG                  |                     |                      | 193                     | 22                     |
| 2632-07492        | 00000/0000                   | 2-20034/0816                | 10/15/76         | 10             | 8807            | 5257N                        | 03455E        | 25.1         | 153.5        | GGGG                  |                     |                      | 193                     | 23                     |
| 2632-07494        | 00000/0000                   | 2-20034/0817                | 10/15/76         | 30             | 8807            | 5132N                        | 03413E        | 26.2         | 152.6        | FGGG                  |                     |                      | 193                     | 24                     |
| 2632-07501        | 00000/0000                   | 2-20034/0818                | 10/15/76         | 90             | 8807            | 5008N                        | 03333E        | 27.3         | 151.7        | GGGG                  |                     |                      | 193                     | 25                     |
| 2632-07503        | 00000/0000                   | 2-20034/0819                | 10/15/76         | 100            | 8807            | 4843N                        | 03254E        | 28.3         | 150.7        | GGGG                  |                     |                      | 193                     | 26                     |
| 2632-07510        | 00000/0000                   | 2-20034/0820                | 10/15/76         | 100            | 8807            | 4718N                        | 03218E        | 29.4         | 149.8        | GGGG                  |                     |                      | 193                     | 27                     |
| 2632-07512        | 00000/0000                   | 2-20034/0821                | 10/15/76         | 100            | 8807            | 4553N                        | 03144E        | 30.4         | 148.5        | GGGG                  |                     |                      | 193                     | 28                     |
| 2632-14431        | 00000/0000                   | 2-20034/0848                | 10/15/76         | 90             | 8811            | 5006N                        | 06944W        | 27.2         | 151.7        | GGGG                  |                     |                      | 14                      | 25                     |
| 2632-14434        | 00000/0000                   | 2-20034/0849                | 10/15/76         | 90             | 8811            | 4842N                        | 07022W        | 28.3         | 150.8        | GGGG                  |                     |                      | 14                      | 26                     |
| 2632-18092        | 00000/0000                   | 2-20034/0922                | 10/15/76         | 10             | 8813            | 5131N                        | 12042W        | 26.1         | 152.6        | GGGG                  |                     |                      | 50                      | 24                     |
| 2632-23434        | 00000/0000                   | 2-20034/0822                | 10/15/76         | 90             | 8816            | 3257S                        | 13225E        | 44.4         | 67.7         | GGGG                  |                     |                      | 104                     | 83                     |
| 2632-23441        | 00000/0000                   | 2-20034/0823                | 10/15/76         | 80             | 8816            | 3422S                        | 13758E        | 43.6         | 66.7         | GGGG                  |                     |                      | 104                     | 84                     |
| 2633-01252        | 00000/0000                   | 2-20034/0824                | 10/16/76         | 0              | 8817            | 2716S                        | 11414E        | 47.4         | 72.3         | FFGF                  |                     |                      | 122                     | 79                     |
| 2633-01254        | 00000/0000                   | 2-20034/0825                | 10/16/76         | 0              | 8817            | 2841S                        | 11350E        | 46.7         | 71.1         | FFPF                  |                     |                      | 122                     | 80                     |
| 2633-02495        | 00000/0000                   | 2-20034/0851                | 10/16/76         | 10             | 8818            | 3720N                        | 1039E         | 36.3         | 143.3        | G GG                  |                     |                      | 140                     | 34                     |
| 2633-02513        | 00000/0000                   | 2-20034/0852                | 10/16/76         | 20             | 8818            | 3138N                        | 10255E        | 40.0         | 139.0        | GGGG                  |                     |                      | 140                     | 38                     |
| 2633-04301        | 00000/0000                   | 2-20034/0626                | 10/16/76         | 60             | 8819            | 4716N                        | 08230E        | 29.1         | 149.9        | FGGG                  |                     |                      | 158                     | 27                     |
| 2633-04303        | 00000/0000                   | 2-20034/0627                | 10/16/76         | 30             | 8819            | 4551N                        | 08155E        | 30.2         | 149.0        | FGGG                  |                     |                      | 158                     | 28                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RSV | ROLL NO.,<br>IN RSLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RSV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2633-04310        | 00000/0000                   | 2-20034/0628                | 10/16/76         | 10             | 8819            | 4426N                        | 08121E        | 31.2         | 148.1        | FGGG                               |                     |                      | 158                     | 29                     |
| 2633-04312        | 00000/0000                   | 2-20034/0629                | 10/16/76         | 0              | 8819            | 4301N                        | 08048E        | 32.3         | 147.2        | GGGG                               |                     |                      | 158                     | 30                     |
| 2633-04315        | 00000/0000                   | 2-20034/0630                | 10/16/76         | 0              | 8819            | 4136N                        | 08017E        | 33.3         | 146.2        | GGGG                               |                     |                      | 158                     | 31                     |
| 2633-04321        | 00000/0000                   | 2-20034/0631                | 10/16/76         | 10             | 8819            | 4012N                        | 07947E        | 34.3         | 145.3        | GGGG                               |                     |                      | 158                     | 32                     |
| 2633-04344        | 00000/0000                   | 2-20034/0632                | 10/16/76         | 10             | 8819            | 3138N                        | 07706E        | 40.0         | 139.0        | FGGG                               |                     |                      | 158                     | 38                     |
| 2633-04351        | 00000/0000                   | 2-20034/0633                | 10/16/76         | 10             | 8819            | 3012N                        | 07642E        | 40.9         | 137.9        | FGGG                               |                     |                      | 158                     | 39                     |
| 2633-04353        | 00000/0000                   | 2-20034/0634                | 10/16/76         | 10             | 8819            | 2846N                        | 07618E        | 41.8         | 136.7        | FGGG                               |                     |                      | 158                     | 40                     |
| 2633-04360        | 00000/0000                   | 2-20034/0635                | 10/16/76         | 0              | 8819            | 2721N                        | 07554E        | 42.7         | 135.5        | GGGG                               |                     |                      | 158                     | 41                     |
| 2633-04362        | 00000/0000                   | 2-20034/0636                | 10/16/76         | 0              | 8819            | 2554N                        | 07530E        | 43.5         | 134.3        | GGGG                               |                     |                      | 158                     | 42                     |
| 2633-04365        | 00000/0000                   | 2-20034/0637                | 10/16/76         | 0              | 8819            | 2428N                        | 07507E        | 44.3         | 133.0        | FGGG                               |                     |                      | 158                     | 43                     |
| 2633-04371        | 00000/0000                   | 2-20034/0638                | 10/16/76         | 10             | 8819            | 2302N                        | 07444E        | 45.1         | 131.7        | FGGG                               |                     |                      | 158                     | 44                     |
| 2633-04374        | 00000/0000                   | 2-20034/0639                | 10/16/76         | 10             | 8819            | 2135N                        | 07422E        | 45.8         | 130.3        | GGGG                               |                     |                      | 158                     | 45                     |
| 2633-04380        | 00000/0000                   | 2-20034/0640                | 10/16/76         | 10             | 8819            | 2008N                        | 07359E        | 46.6         | 128.9        | GGGG                               |                     |                      | 158                     | 46                     |
| 2633-04383        | 00000/0000                   | 2-20034/0641                | 10/16/76         | 10             | 8819            | 1842N                        | 07338E        | 47.3         | 127.4        | FFGG                               |                     |                      | 158                     | 47                     |
| 2633-04385        | 00000/0000                   | 2-20034/0642                | 10/16/76         | 0              | 8819            | 1716N                        | 07317E        | 47.9         | 125.9        | GGGG                               |                     |                      | 158                     | 48                     |
| 2633-06173        | 00000/0000                   | 2-20034/0858                | 10/16/76         | 20             | 8820            | 3302N                        | 05141E        | 39.1         | 140.2        | FFFF                               |                     |                      | 176                     | 37                     |
| 2633-06180        | 00000/0000                   | 2-20034/0859                | 10/16/76         | 20             | 8820            | 3136N                        | 05115E        | 40.0         | 139.0        | GGGG                               |                     |                      | 176                     | 38                     |
| 2633-06182        | 00000/0000                   | 2-20034/0860                | 10/16/76         | 10             | 8820            | 3010N                        | 05051E        | 40.9         | 137.9        | GGGG                               |                     |                      | 176                     | 39                     |
| 2633-06185        | 00000/0000                   | 2-20034/0861                | 10/16/76         | 10             | 8820            | 2844N                        | 05026E        | 41.8         | 136.7        | GGGF                               |                     |                      | 176                     | 40                     |
| 2633-07535        | 00000/0000                   | 2-20034/0862                | 10/16/76         | 90             | 8821            | 5706N                        | 03552E        | 21.5         | 156.6        | GGGG                               |                     |                      | 194                     | 20                     |
| 2633-07541        | 00000/0000                   | 2-20034/0863                | 10/16/76         | 80             | 8821            | 5541N                        | 03502E        | 22.6         | 155.6        | GGGG                               |                     |                      | 194                     | 21                     |
| 2633-07544        | 00000/0000                   | 2-20034/0864                | 10/16/76         | 50             | 8821            | 5417N                        | 03414E        | 23.7         | 154.6        | GGGG                               |                     |                      | 194                     | 22                     |
| 2633-07550        | 00000/0000                   | 2-20034/0865                | 10/16/76         | 50             | 8821            | 5253N                        | 03330E        | 24.8         | 153.6        | GGGG                               |                     |                      | 194                     | 23                     |
| 2633-07553        | 00000/0000                   | 2-20034/0866                | 10/16/76         | 30             | 8821            | 5130N                        | 03249E        | 25.9         | 152.7        | GGGG                               |                     |                      | 194                     | 24                     |
| 2633-07555        | 00000/0000                   | 2-20034/0867                | 10/16/76         | 10             | 8821            | 5005N                        | 03209E        | 27.0         | 151.8        | GGGG                               |                     |                      | 194                     | 25                     |
| 2633-07562        | 00000/0000                   | 2-20034/0868                | 10/16/76         | 60             | 8821            | 4840N                        | 03130E        | 28.0         | 150.9        | GGGG                               |                     |                      | 194                     | 26                     |
| 2633-07564        | 00000/0000                   | 2-20034/0869                | 10/16/76         | 100            | 8821            | 4715N                        | 03053E        | 29.1         | 150.0        | GGGG                               |                     |                      | 194                     | 27                     |
| 2633-07571        | 00000/0000                   | 2-20034/0870                | 10/16/76         | 100            | 8821            | 4550N                        | 03018E        | 30.2         | 149.0        | GGGG                               |                     |                      | 194                     | 28                     |
| 2633-14483        | 00000/0000                   | 2-20034/0826                | 10/16/76         | 90             | 8825            | 5131N                        | 07028W        | 25.8         | 152.8        | GGGG                               |                     |                      | 15                      | 24                     |
| 2633-14485        | 00000/0000                   | 2-20034/0827                | 10/16/76         | 90             | 8825            | 5007N                        | 07108W        | 26.9         | 151.9        | GGGG                               |                     |                      | 15                      | 25                     |
| 2633-14492        | 00000/0000                   | 2-20034/0828                | 10/16/76         | 80             | 8825            | 4842N                        | 07148W        | 27.9         | 150.9        | GGGG                               |                     |                      | 15                      | 26                     |
| 2633-18180        | 00000/0000                   | 2-20034/0850                | 10/16/76         | 60             | 8827            | 4135N                        | 12613W        | 33.1         | 146.4        | GGGF                               |                     |                      | 51                      | 31                     |
| 2633-23492        | 00000/0000                   | 2-20034/0871                | 10/16/76         | 90             | 8830            | 3249S                        | 13457E        | 44.7         | 68.1         | GGGG                               |                     |                      | 105                     | 83                     |
| 2633-23495        | 00000/0000                   | 2-20034/0872                | 10/16/76         | 90             | 8830            | 3423S                        | 13631E        | 43.9         | 67.1         | GGGG                               |                     |                      | 105                     | 84                     |
| 2634-02553        | 00000/0000                   | 2-20034/0639                | 10/17/76         | 20             | 8832            | 3721N                        | 10314E        | 36.0         | 143.5        | FGGG                               |                     |                      | 141                     | 34                     |
| 2634-02555        | 00000/0000                   | 2-20034/0640                | 10/17/76         | 60             | 8832            | 3556N                        | 10247E        | 37.0         | 142.5        | GGGG                               |                     |                      | 141                     | 35                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, F=FAIR,  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NNN=US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2634-04364        | 00000/0000                   | 2-20034/0641                | 10/17/76         | 90             | 8833            | 4426N                        | 07954E        | 30.9         | 148.3        | GGGG                  |                     |                      | 159                     | 29                     |
| 2634-04382        | 00000/0000                   | 2-20034/0642                | 10/17/76         | 20             | 8833            | 3846N                        | 07750E        | 35.0         | 144.5        | GGGG                  |                     |                      | 159                     | 33                     |
| 2634-04400        | 00000/0000                   | 2-20034/0643                | 10/17/76         | 0              | 8833            | 3304N                        | 07605E        | 38.8         | 140.4        | FFFF                  |                     |                      | 159                     | 37                     |
| 2634-04403        | 00000/0000                   | 2-20034/0644                | 10/17/76         | 0              | 8833            | 3138N                        | 07540E        | 39.8         | 139.3        | FGGG                  |                     |                      | 159                     | 38                     |
| 2634-04405        | 00000/0000                   | 2-20034/0645                | 10/17/76         | 0              | 8833            | 3012N                        | 07515E        | 40.7         | 138.2        | GGGG                  |                     |                      | 159                     | 39                     |
| 2634-04414        | 00000/0000                   | 2-20034/0646                | 10/17/76         | 0              | 8833            | 2720N                        | 07427E        | 42.4         | 135.9        | GGGG                  |                     |                      | 159                     | 41                     |
| 2634-04423        | 00000/0000                   | 2-20034/0647                | 10/17/76         | 0              | 8833            | 2428N                        | 07341E        | 44.1         | 133.4        | GGGG                  |                     |                      | 159                     | 43                     |
| 2634-04430        | 00000/0000                   | 2-20034/0648                | 10/17/76         | 0              | 8833            | 2301N                        | 07318E        | 44.8         | 132.1        | GGGG                  |                     |                      | 159                     | 44                     |
| 2634-04432        | 00000/0000                   | 2-20034/0649                | 10/17/76         | 10             | 8833            | 2135N                        | 07256E        | 45.6         | 130.7        | GGGG                  |                     |                      | 159                     | 45                     |
| 2634-04435        | 00000/0000                   | 2-20034/0650                | 10/17/76         | 20             | 8833            | 2009N                        | 07234E        | 46.4         | 129.3        | FGGG                  |                     |                      | 159                     | 46                     |
| 2634-07595        | 00000/0000                   | 2-20034/0874                | 10/17/76         | 90             | 8835            | 5541N                        | 03335E        | 22.3         | 155.7        | GGGG                  |                     |                      | 195                     | 21                     |
| 2634-08002        | 00000/0000                   | 2-20034/0875                | 10/17/76         | 90             | 8835            | 5418N                        | 03248E        | 23.4         | 154.7        | GGGG                  |                     |                      | 195                     | 22                     |
| 2634-08004        | 00000/0000                   | 2-20034/0876                | 10/17/76         | 30             | 8835            | 5254N                        | 03203E        | 24.5         | 153.8        | GGGG                  |                     |                      | 195                     | 23                     |
| 2634-08011        | 00000/0000                   | 2-20034/0877                | 10/17/76         | 10             | 8835            | 5130N                        | 03120E        | 25.6         | 152.9        | GGGG                  |                     |                      | 195                     | 24                     |
| 2634-08013        | 00000/0000                   | 2-20034/0878                | 10/17/76         | 20             | 8835            | 5005N                        | 03039E        | 26.6         | 152.0        | FFFF                  |                     |                      | 195                     | 25                     |
| 2634-08020        | 00000/0000                   | 2-20034/0879                | 10/17/76         | 10             | 8835            | 4841N                        | 03001E        | 27.7         | 151.1        | FFFF                  |                     |                      | 195                     | 26                     |
| 2634-08022        | 00000/0000                   | 2-20034/0880                | 10/17/76         | 30             | 8835            | 4716N                        | 02925E        | 28.8         | 150.2        | FGGG                  |                     |                      | 195                     | 27                     |
| 2634-08025        | 00000/0000                   | 2-20034/0881                | 10/17/76         | 90             | 8835            | 4552N                        | 02850E        | 29.8         | 149.2        | GGGG                  |                     |                      | 195                     | 28                     |
| 2634-23550        | 00000/0000                   | 2-20034/0882                | 10/17/76         | 50             | 8844            | 3257S                        | 13531E        | 44.9         | 68.5         | G                     |                     |                      | 106                     | 83                     |
| 2634-23553        | 00000/0000                   | 2-20034/0883                | 10/17/76         | 60             | 8844            | 3422S                        | 13506E        | 44.1         | 67.5         | GGGG                  |                     |                      | 106                     | 84                     |
| 2635-03005        | 00000/0000                   | 2-20034/0884                | 10/18/76         | 0              | 8846            | 3846N                        | 10215E        | 34.7         | 144.8        | GGGG                  |                     |                      | 142                     | 33                     |
| 2635-03011        | 00000/0000                   | 2-20034/0885                | 10/18/76         | 10             | 8846            | 3721N                        | 10142E        | 35.7         | 143.8        | GGGG                  |                     |                      | 142                     | 34                     |
| 2635-04425        | 00000/0000                   | 2-20034/0886                | 10/18/76         | 80             | 8847            | 4302N                        | 07755E        | 31.6         | 147.6        | FGGG                  |                     |                      | 160                     | 30                     |
| 2635-04431        | 00000/0000                   | 2-20034/0887                | 10/18/76         | 80             | 8847            | 4137N                        | 07724E        | 32.7         | 146.7        | GGGG                  |                     |                      | 160                     | 31                     |
| 2635-04445        | 00000/0000                   | 2-20034/0888                | 10/18/76         | 0              | 8847            | 3554N                        | 07529E        | 36.6         | 142.8        | GGGG                  |                     |                      | 160                     | 35                     |
| 2635-04452        | 00000/0000                   | 2-20034/0889                | 10/18/76         | 0              | 8847            | 3429N                        | 07503E        | 37.6         | 141.8        | GGGG                  |                     |                      | 160                     | 36                     |
| 2635-04454        | 00000/0000                   | 2-20034/0890                | 10/18/76         | 10             | 8847            | 3303N                        | 07437E        | 38.5         | 140.7        | GGGG                  |                     |                      | 160                     | 37                     |
| 2635-04461        | 00000/0000                   | 2-20034/0891                | 10/18/76         | 0              | 8847            | 3137N                        | 07412E        | 39.5         | 139.7        | GGGG                  |                     |                      | 160                     | 38                     |
| 2635-04463        | 00000/0000                   | 2-20034/0892                | 10/18/76         | 0              | 8847            | 3011N                        | 07348E        | 40.4         | 138.5        | GGGG                  |                     |                      | 160                     | 39                     |
| 2635-04470        | 00000/0000                   | 2-20034/0893                | 10/18/76         | 0              | 8847            | 2845N                        | 07324E        | 41.3         | 137.4        | GGGG                  |                     |                      | 160                     | 40                     |
| 2635-04472        | 00000/0000                   | 2-20034/0894                | 10/18/76         | 0              | 8847            | 2719N                        | 07301E        | 42.1         | 136.2        | GGGG                  |                     |                      | 160                     | 41                     |
| 2635-04475        | 00000/0000                   | 2-20034/0895                | 10/18/76         | 0              | 8847            | 2554N                        | 07237E        | 43.0         | 135.0        | GGGG                  |                     |                      | 160                     | 42                     |
| 2635-04481        | 00000/0000                   | 2-20034/0896                | 10/18/76         | 0              | 8847            | 2428N                        | 07215E        | 43.8         | 133.8        | GGGG                  |                     |                      | 160                     | 43                     |
| 2635-04484        | 00000/0000                   | 2-20034/0897                | 10/18/76         | 0              | 8847            | 2301N                        | 07152E        | 44.6         | 132.5        | FGGG                  |                     |                      | 160                     | 44                     |
| 2635-04490        | 00000/0000                   | 2-20034/0898                | 10/18/76         | 0              | 8847            | 2135N                        | 07130E        | 45.4         | 131.1        | GGGF                  |                     |                      | 160                     | 45                     |
| 2635-06265        | 00000/0000                   | 2-20034/1077                | 10/18/76         | 90             | 8848            | 4011N                        | 05107E        | 33.7         | 145.8        | GGGG                  |                     |                      | 178                     | 32                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 (BLANK)=COMPRESSED, L=LINEAR  
 MSS DATA MODE.....  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|--------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2635-08060        | 00000/0000                   | 2-20034/1078                         | 10/18/76         | 20             | 8849            | 5418N                        | 03120E        | 23.0         | 154.9        | GGGG                               |                     |                      | 196                     | 22                     |
| 2635-08062        | 00000/0000                   | 2-20034/1079                         | 10/18/76         | 10             | 8849            | 5254N                        | 03035E        | 24.1         | 154.0        | GGGG                               |                     |                      | 196                     | 23                     |
| 2635-08065        | 00000/0000                   | 2-20034/1080                         | 10/18/76         | 10             | 8849            | 5130N                        | 02953E        | 25.2         | 153.0        | GGGG                               |                     |                      | 196                     | 24                     |
| 2635-08071        | 00000/0000                   | 2-20034/1081                         | 10/18/76         | 30             | 8849            | 5006N                        | 02913E        | 26.3         | 152.1        | GGGG                               |                     |                      | 196                     | 25                     |
| 2635-08074        | 00000/0000                   | 2-20034/1082                         | 10/18/76         | 70             | 8849            | 4841N                        | 02835E        | 27.4         | 151.2        | GFGG                               |                     |                      | 196                     | 26                     |
| 2635-08080        | 00000/0000                   | 2-20034/1083                         | 10/18/76         | 90             | 8849            | 4716N                        | 02758E        | 28.4         | 150.3        | FFGG                               |                     |                      | 196                     | 27                     |
| 2635-08083        | 00000/0000                   | 2-20034/1084                         | 10/18/76         | 100            | 8849            | 4551N                        | 02723E        | 29.5         | 149.4        | FFGG                               |                     |                      | 196                     | 28                     |
| 2635-15002        | 00000/0000                   | 2-20034/0853                         | 10/18/76         | 90             | 8853            | 5001N                        | 07404W        | 26.3         | 152.1        | GGGG                               |                     |                      | 17                      | 25                     |
| 2635-18274        | 00000/0000                   | 2-20034/0873                         | 10/18/76         | 0              | 8855            | 4717N                        | 12653W        | 28.3         | 150.4        | FGFF                               |                     |                      | 53                      | 27                     |
| 2636-00002        | 00000/0000                   | 2-20034/1085                         | 10/19/76         | 90             | 8858            | 3135S                        | 13430E        | 45.9         | 69.9         | PFFG                               |                     |                      | 107                     | 82                     |
| 2636-00005        | 00000/0000                   | 2-20034/1086                         | 10/19/76         | 50             | 8858            | 3259S                        | 13405E        | 45.1         | 68.8         | FFGG                               |                     |                      | 107                     | 83                     |
| 2636-03063        | 00000/0000                   | 2-20034/1096                         | 10/19/76         | 10             | 8860            | 3844N                        | 10048E        | 34.4         | 145.0        | GGG                                |                     |                      | 143                     | 33                     |
| 2636-04483        | 00000/0000                   | 2-20034/1097                         | 10/19/76         | 80             | 8861            | 4303N                        | 07630E        | 31.3         | 147.8        | GGGG                               |                     |                      | 161                     | 30                     |
| 2636-04485        | 00000/0000                   | 2-20034/1098                         | 10/19/76         | 30             | 8861            | 4138N                        | 07559E        | 32.3         | 146.9        | GGGG                               |                     |                      | 161                     | 31                     |
| 2636-04492        | 00000/0000                   | 2-20034/1099                         | 10/19/76         | 10             | 8861            | 4012N                        | 07528E        | 33.4         | 146.0        | GGGG                               |                     |                      | 161                     | 32                     |
| 2636-04494        | 00000/0000                   | 2-20034/1100                         | 10/19/76         | 10             | 8861            | 3847N                        | 07459E        | 34.4         | 145.0        | GGGG                               |                     |                      | 161                     | 33                     |
| 2636-04501        | 00000/0000                   | 2-20034/1101                         | 10/19/76         | 10             | 8861            | 3721N                        | 07431E        | 35.4         | 144.1        | GGGG                               |                     |                      | 161                     | 34                     |
| 2636-04503        | 00000/0000                   | 2-20034/1102                         | 10/19/76         | 10             | 8861            | 3555N                        | 07404E        | 36.3         | 143.1        | GGGG                               |                     |                      | 161                     | 35                     |
| 2636-04510        | 00000/0000                   | 2-20034/1103                         | 10/19/76         | 10             | 8861            | 3429N                        | 07338E        | 37.3         | 142.1        | GGGG                               |                     |                      | 161                     | 36                     |
| 2636-04512        | 00000/0000                   | 2-20034/0899                         | 10/19/76         | 0              | 8861            | 3303N                        | 07312E        | 38.3         | 141.0        | FGGG                               |                     |                      | 161                     | 37                     |
| 2636-04515        | 00000/0000                   | 2-20034/0900                         | 10/19/76         | 10             | 8861            | 3138N                        | 07247E        | 39.2         | 140.0        | FGGG                               |                     |                      | 161                     | 38                     |
| 2636-04521        | 00000/0000                   | 2-20034/0901                         | 10/19/76         | 10             | 8861            | 3011N                        | 07222E        | 40.1         | 138.9        | GGGG                               |                     |                      | 161                     | 39                     |
| 2636-04525        | 00000/0000                   | 2-20034/0902                         | 10/19/76         | 0              | 8861            | 2428N                        | 07049E        | 43.6         | 134.1        | FGGG                               |                     |                      | 161                     | 43                     |
| 2636-04542        | 00000/0000                   | 2-20034/0903                         | 10/19/76         | 0              | 8861            | 2302N                        | 07026E        | 44.4         | 132.9        | FGGG                               |                     |                      | 161                     | 44                     |
| 2636-04544        | 00000/0000                   | 2-20034/0904                         | 10/19/76         | 10             | 8861            | 2136N                        | 07004E        | 45.2         | 131.5        | GGGG                               |                     |                      | 161                     | 45                     |
| 2636-06324        | 00000/0000                   | 2-20034/0905                         | 10/19/76         | 100            | 8862            | 4011N                        | 04939E        | 33.3         | 146.0        | FGGG                               |                     |                      | 179                     | 32                     |
| 2636-06330        | 00000/0000                   | 2-20034/0906                         | 10/19/76         | 100            | 8862            | 3845N                        | 04910E        | 34.4         | 145.0        | FGGG                               |                     |                      | 179                     | 33                     |
| 2636-08114        | 00000/0000                   | 2-20034/0907                         | 10/19/76         | 10             | 8863            | 5421N                        | 02957E        | 22.6         | 155.1        | FGGG                               |                     |                      | 197                     | 22                     |
| 2636-08121        | 00000/0000                   | 2-20034/0908                         | 10/19/76         | 10             | 8863            | 5257N                        | 02912E        | 23.7         | 154.1        | FGGG                               |                     |                      | 197                     | 23                     |
| 2636-08123        | 00000/0000                   | 2-20034/0909                         | 10/19/76         | 10             | 8863            | 5133N                        | 02830E        | 24.8         | 153.2        | FGLG                               |                     |                      | 197                     | 24                     |
| 2636-08130        | 00000/0000                   | 2-20034/0910                         | 10/19/76         | 50             | 8863            | 5008N                        | 02750E        | 25.9         | 152.3        | FGGG                               |                     |                      | 197                     | 25                     |
| 2636-08132        | 00000/0000                   | 2-20034/0911                         | 10/19/76         | 90             | 8863            | 4843N                        | 02711E        | 27.0         | 151.4        | FGGF                               |                     |                      | 197                     | 26                     |
| 2636-08135        | 00000/0000                   | 2-20034/0912                         | 10/19/76         | 90             | 8863            | 4718N                        | 02635E        | 28.1         | 150.6        | GGGF                               |                     |                      | 197                     | 27                     |
| 2637-03115        | 00000/0000                   | 2-20034/1104                         | 10/20/76         | 0              | 8874            | 4010N                        | 09951E        | 33.1         | 146.2        | GGGG                               |                     |                      | 144                     | 32                     |
| 2637-03121        | 00000/0000                   | 2-20034/1105                         | 10/20/76         | 0              | 8874            | 3845N                        | 09923E        | 34.1         | 145.2        | GGGG                               |                     |                      | 144                     | 33                     |
| 2637-04541        | 00000/0000                   | 2-20034/1106                         | 10/20/76         | 90             | 8875            | 4302N                        | 07503E        | 31.0         | 148.0        | GGGG                               |                     |                      | 162                     | 30                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | RAIL NO./<br>IN RAIL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2637-05000        | 00000/0000                   | 2-20034/1107                | 10/20/76         | 10             | 8875            | 2302N 06900E                            | 44.1         | 133.2        | GGGG                               |                     |                      | 162                     | 44                     |
| 2637-06375        | 00000/0000                   | 2-20034/1087                | 10/20/76         | 90             | 8876            | 4139N 04847E                            | 32.0         | 147.2        | GGGG                               |                     |                      | 180                     | 31                     |
| 2637-06382        | 00000/0000                   | 2-20034/1088                | 10/20/76         | 90             | 8876            | 4014N 04817E                            | 33.0         | 146.2        | GGFG                               |                     |                      | 180                     | 32                     |
| 2637-06384        | 00000/0000                   | 2-20034/1089                | 10/20/76         | 80             | 8876            | 3849N 04747E                            | 34.0         | 145.3        | GGFG                               |                     |                      | 180                     | 33                     |
| 2637-08170        | 00000/0000                   | 2-20034/1090                | 10/20/76         | 90             | 8877            | 5544N 02919E                            | 21.2         | 156.1        | GGGG                               |                     |                      | 198                     | 21                     |
| 2637-08172        | 00000/0000                   | 2-20034/1091                | 10/20/76         | 30             | 8877            | 5420N 02832E                            | 22.3         | 155.2        | GGGG                               |                     |                      | 198                     | 22                     |
| 2637-08175        | 00000/0000                   | 2-20034/1092                | 10/20/76         | 20             | 8877            | 5256N 02747E                            | 23.4         | 154.3        | GGGG                               |                     |                      | 198                     | 23                     |
| 2637-08181        | 00000/0000                   | 2-20034/1093                | 10/20/76         | 10             | 8877            | 5132N 02705E                            | 24.5         | 153.4        | GGGG                               |                     |                      | 198                     | 24                     |
| 2637-08184        | 00000/0000                   | 2-20034/1094                | 10/20/76         | 20             | 8877            | 5008N 02624E                            | 25.6         | 152.5        | GGGG                               |                     |                      | 198                     | 25                     |
| 2637-08190        | 00000/0000                   | 2-20034/1095                | 10/20/76         | 10             | 8877            | 4843N 02545E                            | 26.7         | 151.6        | GGGG                               |                     |                      | 198                     | 26                     |
| 2637-13274        | 00000/0000                   | 2-20034/0913                | 10/20/76         | 80             | 8880            | 5255N 04940W                            | 23.4         | 154.3        | GGGG                               |                     |                      | 1                       | 23                     |
| 2637-13280        | 00000/0000                   | 2-20034/0914                | 10/20/76         | 80             | 8880            | 5131N 05023W                            | 24.5         | 153.4        | GGGG                               |                     |                      | 1                       | 24                     |
| 2637-13283        | 00000/0000                   | 2-20034/0915                | 10/20/76         | 60             | 8880            | 5007N 05103W                            | 25.5         | 152.5        | GGGG                               |                     |                      | 1                       | 25                     |
| 2637-13285        | 00000/0000                   | 2-20034/0916                | 10/20/76         | 70             | 8880            | 4843N 05142W                            | 26.6         | 151.6        | GGGG                               |                     |                      | 1                       | 26                     |
| 2637-13292        | 00000/0000                   | 2-20034/0917                | 10/20/76         | 60             | 8880            | 4718N 05219W                            | 27.7         | 150.7        | GGGG                               |                     |                      | 1                       | 27                     |
| 2637-13294        | 00000/0000                   | 2-20034/0918                | 10/20/76         | 40             | 8880            | 4543N 05254W                            | 28.8         | 149.9        | FGGG                               |                     |                      | 1                       | 28                     |
| 2637-13301        | 00000/0000                   | 2-20034/0919                | 10/20/76         | 30             | 8880            | 4428N 05328W                            | 29.8         | 149.0        | FGGG                               |                     |                      | 1                       | 29                     |
| 2637-13303        | 00000/0000                   | 2-20034/0920                | 10/20/76         | 60             | 8880            | 4303N 05400W                            | 30.9         | 148.1        | GGGG                               |                     |                      | 1                       | 30                     |
| 2637-13310        | 00000/0000                   | 2-20034/0921                | 10/20/76         | 60             | 8880            | 4138N 05431W                            | 31.9         | 147.2        | GGGG                               |                     |                      | 1                       | 31                     |
| 2637-19161        | 2-20037/1345                 | 00000/0000                  | 10/20/76         | 10             | 8883            | 7728S 16608E                            | 12.2         | 83.7         | GG                                 |                     |                      | 54                      | 116                    |
| 2638-01350        | 00000/0000                   | 2-20034/0961                | 10/21/76         | 0              | 8887            | 3720N 12319E                            | 34.8         | 144.5        | GGGG                               |                     |                      | 127                     | 34                     |
| 2638-01364        | 00000/0000                   | 2-20034/0962                | 10/21/76         | 10             | 8887            | 3138N 12133E                            | 38.7         | 140.5        | FGGG                               |                     |                      | 127                     | 38                     |
| 2638-01371        | 00000/0000                   | 2-20034/0963                | 10/21/76         | 0              | 8887            | 3013N 12109E                            | 39.6         | 139.4        | GGGG                               |                     |                      | 127                     | 39                     |
| 2638-01373        | 00000/0000                   | 2-20034/0964                | 10/21/76         | 10             | 8887            | 2847N 12045E                            | 40.5         | 138.3        | GGGG                               |                     |                      | 127                     | 40                     |
| 2638-01380        | 00000/0000                   | 2-20034/0923                | 10/21/76         | 10             | 8887            | 2721N 12022E                            | 41.4         | 137.2        | GGGG                               |                     |                      | 127                     | 41                     |
| 2638-03173        | 00000/0000                   | 2-20034/0924                | 10/21/76         | 30             | 8888            | 4010N 09826E                            | 32.8         | 146.4        | FFGG                               |                     |                      | 145                     | 32                     |
| 2638-03175        | 00000/0000                   | 2-20034/0925                | 10/21/76         | 30             | 8888            | 3846N 09757E                            | 33.8         | 145.5        | GGGG                               |                     |                      | 145                     | 33                     |
| 2638-03211        | 00000/0000                   | 2-20034/0926                | 10/21/76         | 70             | 8888            | 2720N 09431E                            | 41.4         | 137.2        | GGGG                               |                     |                      | 145                     | 41                     |
| 2638-04595        | 00000/0000                   | 2-20034/0927                | 10/21/76         | 30             | 8889            | 4301N 07339E                            | 30.7         | 148.2        | GGGG                               |                     |                      | 163                     | 30                     |
| 2638-06395        | 00000/0000                   | 2-20034/0928                | 10/21/76         | 30             | 8890            | 5420N 05254E                            | 22.0         | 155.3        | GGGG                               |                     |                      | 181                     | 22                     |
| 2638-06401        | 00000/0000                   | 2-20034/0929                | 10/21/76         | 50             | 8890            | 5257N 05209E                            | 23.1         | 154.4        | GGGG                               |                     |                      | 181                     | 23                     |
| 2638-06404        | 00000/0000                   | 2-20034/0930                | 10/21/76         | 70             | 8890            | 5132N 05127E                            | 24.2         | 153.5        | GGGG                               |                     |                      | 181                     | 24                     |
| 2638-06422        | 00000/0000                   | 2-20034/0931                | 10/21/76         | 30             | 8890            | 4553N 04858E                            | 28.5         | 150.0        | GGGG                               |                     |                      | 181                     | 28                     |
| 2638-06424        | 00000/0000                   | 2-20034/0932                | 10/21/76         | 100            | 8890            | 4429N 04824E                            | 29.6         | 149.1        | GGGG                               |                     |                      | 181                     | 29                     |
| 2638-06431        | 00000/0000                   | 2-20034/0933                | 10/21/76         | 90             | 8890            | 4304N 04752E                            | 30.6         | 148.3        | GGGG                               |                     |                      | 181                     | 30                     |
| 2638-06433        | 00000/0000                   | 2-20034/0934                | 10/21/76         | 90             | 8890            | 4139N 04721E                            | 31.7         | 147.4        | GGGG                               |                     |                      | 181                     | 31                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN RLV | ROLL NO./<br>RLV<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2638-06440        | 00000/0000                   | 2-20034/0935            | 10/21/76         | 90             | 8890            | 4014N                        | 04651E        | 32.7         | 145.5        | GGGG                               |                     |                      | 181                     | 32                     |
| 2638-06442        | 00000/0000                   | 2-20034/0936            | 10/21/76         | 70             | 8890            | 3849N                        | 04622E        | 33.7         | 145.5        | GGGG                               |                     |                      | 181                     | 33                     |
| 2638-08230        | 00000/0000                   | 2-20034/0937            | 10/21/76         | 20             | 8891            | 5420N                        | 02704E        | 22.0         | 155.3        | GGGG                               |                     |                      | 199                     | 22                     |
| 2638-08233        | 00000/0000                   | 2-20034/0938            | 10/21/76         | 10             | 8891            | 5256N                        | 02620E        | 23.1         | 154.4        | GGGG                               |                     |                      | 199                     | 23                     |
| 2638-08235        | 00000/0000                   | 2-20034/0939            | 10/21/76         | 20             | 8891            | 5132N                        | 02537E        | 24.2         | 153.5        | GGGG                               |                     |                      | 199                     | 24                     |
| 2638-08242        | 00000/0000                   | 2-20034/0940            | 10/21/76         | 70             | 8891            | 5008N                        | 02457E        | 25.3         | 152.6        | GGGG                               |                     |                      | 199                     | 25                     |
| 2638-08244        | 00000/0000                   | 2-20034/0941            | 10/21/76         | 70             | 8891            | 4843N                        | 02418E        | 26.4         | 151.8        | GGGG                               |                     |                      | 199                     | 26                     |
| 2638-08251        | 00000/0000                   | 2-20034/0942            | 10/21/76         | 20             | 8891            | 4719N                        | 02342E        | 27.4         | 150.9        | GGGG                               |                     |                      | 199                     | 27                     |
| 2638-12164        | 00000/0000                   | 2-20034/0943            | 10/21/76         | 90             | 8893            | 3838S                        | 05117W        | 42.6         | 65.9         | GGGG                               |                     |                      | 235                     | 87                     |
| 2638-13325        | 00000/0000                   | 2-20034/0983            | 10/21/76         | 90             | 8894            | 5419N                        | 05024W        | 21.9         | 155.3        | FGGG                               |                     |                      | 2                       | 22                     |
| 2638-13332        | 00000/0000                   | 2-20034/0984            | 10/21/76         | 90             | 8894            | 5254N                        | 05108W        | 23.0         | 154.4        | GGGG                               |                     |                      | 2                       | 23                     |
| 2638-13334        | 00000/0000                   | 2-20034/0985            | 10/21/76         | 40             | 8894            | 5130N                        | 05151W        | 24.1         | 153.5        | GGGG                               |                     |                      | 2                       | 24                     |
| 2638-13341        | 00000/0000                   | 2-20034/0986            | 10/21/76         | 10             | 8894            | 5006N                        | 05230W        | 25.2         | 152.6        | GGGG                               |                     |                      | 2                       | 25                     |
| 2638-13343        | 00000/0000                   | 2-20034/0987            | 10/21/76         | 50             | 8894            | 4842N                        | 05308W        | 26.3         | 151.8        | GGGG                               |                     |                      | 2                       | 26                     |
| 2638-13350        | 00000/0000                   | 2-20034/0988            | 10/21/76         | 70             | 8894            | 4717N                        | 05345W        | 27.4         | 150.9        | GGGG                               |                     |                      | 2                       | 27                     |
| 2638-13352        | 00000/0000                   | 2-20034/0989            | 10/21/76         | 90             | 8894            | 4543N                        | 05419W        | 28.5         | 150.0        | GGGG                               |                     |                      | 2                       | 28                     |
| 2638-13355        | 00000/0000                   | 2-20034/0990            | 10/21/76         | 80             | 8894            | 4428N                        | 05452W        | 29.5         | 149.2        | GGGG                               |                     |                      | 2                       | 29                     |
| 2638-13361        | 00000/0000                   | 2-20034/0991            | 10/21/76         | 70             | 8894            | 4303N                        | 05525W        | 30.6         | 148.3        | GGGG                               |                     |                      | 2                       | 30                     |
| 2638-13364        | 00000/0000                   | 2-20034/0992            | 10/21/76         | 70             | 8894            | 4137N                        | 05557W        | 31.6         | 147.4        | GGGG                               |                     |                      | 2                       | 31                     |
| 2638-15172        | 00000/0000                   | 2-20034/0993            | 10/21/76         | 90             | 8895            | 5006N                        | 07819W        | 25.2         | 152.7        | GGGG                               |                     |                      | 20                      | 25                     |
| 2638-19210        | 2-20037/1346                 | 00000/0000              | 10/21/76         | 10             | 8897            | 7517S                        | 17309E        | 14.9         | 76.1         | GGG                                |                     |                      | 56                      | 114                    |
| 2638-19213        | 2-20037/1347                 | 00000/0000              | 10/21/76         | 10             | 8897            | 7633S                        | 16920E        | 13.8         | 79.5         | GGG                                |                     |                      | 55                      | 115                    |
| 2638-19215        | 2-20037/1348                 | 00000/0000              | 10/21/76         | 0              | 8897            | 7726S                        | 16453E        | 12.6         | 83.6         | GGG                                |                     |                      | 55                      | 116                    |
| 2639-01404        | 00000/0000                   | 2-20034/0944            | 10/22/76         | 50             | 8901            | 3720N                        | 12153E        | 34.5         | 144.7        | GGGG                               |                     |                      | 128                     | 34                     |
| 2639-01411        | 00000/0000                   | 2-20034/0945            | 10/22/76         | 40             | 8901            | 3555N                        | 12126E        | 35.5         | 143.8        | FGGG                               |                     |                      | 128                     | 35                     |
| 2639-01413        | 00000/0000                   | 2-20034/0946            | 10/22/76         | 10             | 8901            | 3430N                        | 12059E        | 36.6         | 142.8        | GGGG                               |                     |                      | 128                     | 36                     |
| 2639-01420        | 00000/0000                   | 2-20034/0947            | 10/22/76         | 10             | 8901            | 3305N                        | 12039E        | 37.4         | 141.8        | GGGG                               |                     |                      | 128                     | 37                     |
| 2639-01422        | 00000/0000                   | 2-20034/0948            | 10/22/76         | 90             | 8901            | 3139N                        | 12008E        | 38.4         | 140.8        | GGGG                               |                     |                      | 128                     | 38                     |
| 2639-01425        | 00000/0000                   | 2-20034/0949            | 10/22/76         | 100            | 8901            | 3014N                        | 11943E        | 39.3         | 139.7        | GGGG                               |                     |                      | 128                     | 39                     |
| 2639-01431        | 00000/0000                   | 2-20034/0950            | 10/22/76         | 100            | 8901            | 2848N                        | 11919E        | 40.2         | 138.6        | GGGG                               |                     |                      | 128                     | 40                     |
| 2639-01434        | 00000/0000                   | 2-20034/0951            | 10/22/76         | 100            | 8901            | 2722N                        | 11855E        | 41.1         | 137.5        | GGGG                               |                     |                      | 128                     | 41                     |
| 2639-01440        | 00000/0000                   | 2-20034/0952            | 10/22/76         | 100            | 8901            | 2555N                        | 11832E        | 42.0         | 136.4        | GGGG                               |                     |                      | 128                     | 42                     |
| 2639-01443        | 00000/0000                   | 2-20034/0953            | 10/22/76         | 100            | 8901            | 2428N                        | 11809E        | 42.8         | 135.2        | GGGG                               |                     |                      | 128                     | 43                     |
| 2639-03231        | 00000/0000                   | 2-20034/0954            | 10/22/76         | 40             | 8902            | 4011N                        | 09701E        | 32.5         | 146.6        | FGGG                               |                     |                      | 146                     | 32                     |
| 2639-05053        | 00000/0000                   | 2-20034/1007            | 10/22/76         | 30             | 8903            | 4304N                        | 07213E        | 30.3         | 148.4        | GGGG                               |                     |                      | 164                     | 30                     |
| 2639-05060        | 00000/0000                   | 2-20034/1008            | 10/22/76         | 10             | 8903            | 4139N                        | 07142E        | 31.4         | 147.6        | FGGG                               |                     |                      | 164                     | 31                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RSLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2639-05062        | 00000/0000                   | 2-20034/1009                | 10/22/76         | 30             | 8903                   | 4013N                        | 07112E        | 32.4         | 146.7        | GGGG                               |                     |                      | 164                     | 32                     |
| 2639-06453        | 00000/0000                   | 2-20034/1010                | 10/22/76         | 10             | 8904                   | 5421N                        | 05131E        | 21.7         | 155.4        | GGGG                               |                     |                      | 182                     | 22                     |
| 2639-06460        | 00000/0000                   | 2-20034/1011                | 10/22/76         | 10             | 8904                   | 5257N                        | 05046E        | 22.8         | 154.5        | GGGG                               |                     |                      | 182                     | 23                     |
| 2639-06462        | 00000/0000                   | 2-20034/1012                | 10/22/76         | 10             | 8904                   | 5133N                        | 05003E        | 23.9         | 153.6        | GGGG                               |                     |                      | 182                     | 24                     |
| 2639-06480        | 00000/0000                   | 2-20034/1013                | 10/22/76         | 90             | 8904                   | 4554N                        | 04732E        | 28.2         | 150.2        | GGGG                               |                     |                      | 182                     | 28                     |
| 2639-06483        | 00000/0000                   | 2-20034/1014                | 10/22/76         | 90             | 8904                   | 4429N                        | 04658E        | 29.3         | 149.3        | GGGG                               |                     |                      | 182                     | 29                     |
| 2639-06485        | 00000/0000                   | 2-20034/0994                | 10/22/76         | 90             | 8904                   | 4304N                        | 04625E        | 30.3         | 148.4        | GGG                                |                     |                      | 182                     | 30                     |
| 2639-06492        | 00000/0000                   | 2-20034/0995                | 10/22/76         | 60             | 8904                   | 4139N                        | 04554E        | 31.3         | 147.6        | GGGG                               |                     |                      | 182                     | 31                     |
| 2639-06494        | 00000/0000                   | 2-20034/0996                | 10/22/76         | 40             | 8904                   | 4014N                        | 04524E        | 32.4         | 146.7        | GGGG                               |                     |                      | 182                     | 32                     |
| 2639-06501        | 00000/0000                   | 2-20034/0997                | 10/22/76         | 40             | 8904                   | 3848N                        | 04455E        | 33.4         | 145.8        | GGGG                               |                     |                      | 182                     | 33                     |
| 2639-06503        | 00000/0000                   | 2-20034/0998                | 10/22/76         | 20             | 8904                   | 3723N                        | 04426E        | 34.4         | 144.8        | GGGG                               |                     |                      | 182                     | 34                     |
| 2639-06510        | 00000/0000                   | 2-20034/0999                | 10/22/76         | 10             | 8904                   | 3558N                        | 04359E        | 35.4         | 143.9        | GGGG                               |                     |                      | 182                     | 35                     |
| 2639-08285        | 00000/0000                   | 2-20034/1000                | 10/22/76         | 10             | 8905                   | 5420N                        | 02538E        | 21.6         | 155.4        | GGGG                               |                     |                      | 200                     | 22                     |
| 2639-08291        | 00000/0000                   | 2-20034/1001                | 10/22/76         | 60             | 8905                   | 5256N                        | 02453E        | 22.7         | 154.5        | GGGG                               |                     |                      | 200                     | 23                     |
| 2639-08294        | 00000/0000                   | 2-20034/1002                | 10/22/76         | 80             | 8905                   | 5132N                        | 02412E        | 23.8         | 153.7        | GGGG                               |                     |                      | 200                     | 24                     |
| 2639-08300        | 00000/0000                   | 2-20034/1003                | 10/22/76         | 90             | 8905                   | 5008N                        | 02332E        | 24.9         | 152.8        | GGGG                               |                     |                      | 200                     | 25                     |
| 2639-08303        | 00000/0000                   | 2-20034/1004                | 10/22/76         | 90             | 8905                   | 4843N                        | 02253E        | 26.0         | 151.9        | GGGG                               |                     |                      | 200                     | 26                     |
| 2639-12181        | 00000/0000                   | 2-20034/1005                | 10/22/76         | 80             | 8907                   | 2472S                        | 04430W        | 49.9         | 78.0         | GGGG                               |                     |                      | 236                     | 77                     |
| 2639-12193        | 00000/0000                   | 2-20034/1006                | 10/22/76         | 20             | 8907                   | 2840S                        | 04939W        | 48.1         | 73.8         | FFFF                               |                     |                      | 236                     | 80                     |
| 2639-13383        | 00000/0000                   | 2-20034/1035                | 10/22/76         | 90             | 8908                   | 5418N                        | 05150W        | 21.6         | 155.4        | GGGG                               |                     |                      | 3                       | 22                     |
| 2639-13390        | 00000/0000                   | 2-20034/1036                | 10/22/76         | 90             | 8908                   | 5254N                        | 05235W        | 22.7         | 154.5        | GGGG                               |                     |                      | 3                       | 23                     |
| 2639-13392        | 00000/0000                   | 2-20034/1037                | 10/22/76         | 100            | 8908                   | 5130N                        | 05317W        | 23.8         | 153.7        | GGGG                               |                     |                      | 3                       | 24                     |
| 2639-13395        | 00000/0000                   | 2-20034/1038                | 10/22/76         | 90             | 8908                   | 5006N                        | 05357W        | 24.9         | 152.8        | GGGG                               |                     |                      | 3                       | 25                     |
| 2639-13401        | 00000/0000                   | 2-20034/1039                | 10/22/76         | 80             | 8908                   | 4841N                        | 05435W        | 26.0         | 151.9        | GGGG                               |                     |                      | 3                       | 26                     |
| 2639-13404        | 00000/0000                   | 2-20034/1040                | 10/22/76         | 80             | 8908                   | 4717N                        | 05511W        | 27.1         | 151.1        | GGGG                               |                     |                      | 3                       | 27                     |
| 2639-13410        | 00000/0000                   | 2-20034/1041                | 10/22/76         | 30             | 8908                   | 4552N                        | 05546W        | 28.1         | 150.2        | GGGG                               |                     |                      | 3                       | 28                     |
| 2639-13413        | 00000/0000                   | 2-20034/1042                | 10/22/76         | 70             | 8908                   | 4427N                        | 05620W        | 29.2         | 149.3        | GGGG                               |                     |                      | 3                       | 29                     |
| 2639-13415        | 00000/0000                   | 2-20034/1043                | 10/22/76         | 90             | 8908                   | 4302N                        | 05652W        | 30.2         | 148.5        | GGGG                               |                     |                      | 3                       | 30                     |
| 2639-13422        | 00000/0000                   | 2-20034/1044                | 10/22/76         | 100            | 8908                   | 4137N                        | 05723W        | 31.3         | 147.6        | GGGG                               |                     |                      | 3                       | 31                     |
| 2639-17042        | 00000/0000                   | 2-20034/1045                | 10/22/76         | 80             | 8910                   | 5705N                        | 10150W        | 19.3         | 157.3        | FFG                                |                     |                      | 39                      | 20                     |
| 2639-17044        | 00000/0000                   | 2-20034/1046                | 10/22/76         | 60             | 8910                   | 5541N                        | 10240W        | 20.4         | 156.4        | FFFG                               |                     |                      | 39                      | 21                     |
| 2639-17051        | 00000/0000                   | 2-20034/1047                | 10/22/76         | 70             | 8910                   | 5418N                        | 10328W        | 21.5         | 155.5        | FFFG                               |                     |                      | 39                      | 22                     |
| 2639-17053        | 00000/0000                   | 2-20034/1048                | 10/22/76         | 100            | 8910                   | 5253N                        | 10412W        | 22.7         | 154.6        | FFFF                               |                     |                      | 39                      | 23                     |
| 2639-17060        | 00000/0000                   | 2-20034/1049                | 10/22/76         | 60             | 8910                   | 5129N                        | 10455W        | 23.8         | 153.7        | FFFF                               |                     |                      | 39                      | 24                     |
| 2639-19264        | 2-20037/1349                 | 00000/0000                  | 10/22/76         | 10             | 8911                   | 7517S                        | 17149E        | 15.3         | 76.2         | GGG                                |                     |                      | 56                      | 114                    |
| 2639-19271        | 2-20037/1350                 | 00000/0000                  | 10/22/76         | 10             | 8911                   | 7623S                        | 16802E        | 14.1         | 79.6         | GGG                                |                     |                      | 56                      | 115                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

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FOR NAN-HUS  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2639-19273        | 2-20037/1351                 | 00000/0000                  | 10/22/76         | 0              | 8911            | 77255                              | 16337E                              | 13.0         | 83.6         | GGG                                |                     |                      | 56                      | 116                    |
| 2640-01463        | 00000/0000                   | 2-20034/1015                | 10/23/76         | 70             | 8915            | 3720N                              | 12027E                              | 34.2         | 145.0        | GGGG                               |                     |                      | 129                     | 34                     |
| 2640-01465        | 00000/0000                   | 2-20034/1016                | 10/23/76         | 60             | 8915            | 3555N                              | 11959E                              | 35.2         | 144.0        | GGGG                               |                     |                      | 129                     | 35                     |
| 2640-01472        | 00000/0000                   | 2-20034/1017                | 10/23/76         | 60             | 8915            | 3429N                              | 11933E                              | 36.2         | 143.1        | GGGG                               |                     |                      | 129                     | 36                     |
| 2640-01474        | 00000/0000                   | 2-20034/1018                | 10/23/76         | 90             | 8915            | 3303N                              | 11907E                              | 37.1         | 142.1        | GGGG                               |                     |                      | 129                     | 37                     |
| 2640-01481        | 00000/0000                   | 2-20034/1019                | 10/23/76         | 90             | 8915            | 3138N                              | 11842E                              | 38.1         | 141.1        | GGGG                               |                     |                      | 129                     | 38                     |
| 2640-01483        | 00000/0000                   | 2-20034/1020                | 10/23/76         | 90             | 8915            | 3012N                              | 11817E                              | 39.0         | 140.0        | GGGG                               |                     |                      | 129                     | 39                     |
| 2640-01490        | 00000/0000                   | 2-20034/1021                | 10/23/76         | 90             | 8915            | 2846N                              | 11753E                              | 40.0         | 138.9        | GGGG                               |                     |                      | 129                     | 40                     |
| 2640-03285        | 00000/0000                   | 2-20034/1022                | 10/23/76         | 0              | 8916            | 4010N                              | 09533E                              | 32.1         | 146.8        | GFFG                               |                     |                      | 147                     | 32                     |
| 2640-03330        | 00000/0000                   | 2-20034/1023                | 10/23/76         | 60             | 8916            | 2553N                              | 09115E                              | 41.7         | 136.7        | GGGG                               |                     |                      | 147                     | 42                     |
| 2640-05112        | 00000/0000                   | 2-20034/0965                | 10/23/76         | 10             | 8917            | 4304N                              | 07048E                              | 30.0         | 148.6        | GGGG                               |                     |                      | 165                     | 30                     |
| 2640-05114        | 00000/0000                   | 2-20034/0966                | 10/23/76         | 60             | 8917            | 4139N                              | 07017E                              | 31.1         | 147.7        | GGGG                               |                     |                      | 165                     | 31                     |
| 2640-05121        | 00000/0000                   | 2-20034/0967                | 10/23/76         | 80             | 8917            | 4013N                              | 06947E                              | 32.1         | 146.9        | FGGG                               |                     |                      | 165                     | 32                     |
| 2640-06500        | 00000/0000                   | 2-20034/0968                | 10/23/76         | 90             | 8918            | 5831N                              | 05236E                              | 18.0         | 158.4        | GGGG                               |                     |                      | 183                     | 19                     |
| 2640-06502        | 00000/0000                   | 2-20034/0969                | 10/23/76         | 90             | 8918            | 5708N                              | 05142E                              | 19.1         | 157.4        | GGGG                               |                     |                      | 183                     | 20                     |
| 2640-06505        | 00000/0000                   | 2-20034/0970                | 10/23/76         | 80             | 8918            | 5544N                              | 05051E                              | 20.2         | 156.5        | GGGG                               |                     |                      | 183                     | 21                     |
| 2640-06511        | 00000/0000                   | 2-20034/0971                | 10/23/76         | 10             | 8918            | 5421N                              | 05003E                              | 21.3         | 155.5        | GGGG                               |                     |                      | 183                     | 22                     |
| 2640-06514        | 00000/0000                   | 2-20034/0972                | 10/23/76         | 10             | 8918            | 5257N                              | 04919E                              | 22.4         | 154.7        | GGGG                               |                     |                      | 183                     | 23                     |
| 2640-06520        | 00000/0000                   | 2-20034/0973                | 10/23/76         | 10             | 8918            | 5133N                              | 04836E                              | 23.5         | 153.8        | GGGG                               |                     |                      | 183                     | 24                     |
| 2640-06523        | 00000/0000                   | 2-20034/0974                | 10/23/76         | 10             | 8918            | 5008N                              | 04755E                              | 24.6         | 152.9        | GGGG                               |                     |                      | 183                     | 25                     |
| 2640-06532        | 00000/0000                   | 2-20034/0975                | 10/23/76         | 80             | 8918            | 4718N                              | 04639E                              | 26.8         | 151.2        | GGGG                               |                     |                      | 183                     | 27                     |
| 2640-06534        | 00000/0000                   | 2-20034/0976                | 10/23/76         | 90             | 8918            | 4554N                              | 04604E                              | 27.9         | 150.4        | GGGG                               |                     |                      | 183                     | 28                     |
| 2640-06541        | 00000/0000                   | 2-20034/0977                | 10/23/76         | 90             | 8918            | 4429N                              | 04531E                              | 28.9         | 149.5        | GGGG                               |                     |                      | 183                     | 29                     |
| 2640-06543        | 00000/0000                   | 2-20034/0978                | 10/23/76         | 60             | 8918            | 4304N                              | 04459E                              | 30.0         | 148.6        | GGGG                               |                     |                      | 183                     | 30                     |
| 2640-06550        | 00000/0000                   | 2-20034/0979                | 10/23/76         | 60             | 8918            | 4139N                              | 04428E                              | 31.0         | 147.8        | GGGG                               |                     |                      | 183                     | 31                     |
| 2640-06552        | 00000/0000                   | 2-20034/0980                | 10/23/76         | 20             | 8918            | 4014N                              | 04358E                              | 32.1         | 146.9        | GGGG                               |                     |                      | 183                     | 32                     |
| 2640-06555        | 00000/0000                   | 2-20034/0981                | 10/23/76         | 20             | 8918            | 3848N                              | 04329E                              | 33.1         | 146.0        | GGGG                               |                     |                      | 183                     | 33                     |
| 2640-06561        | 00000/0000                   | 2-20034/0982                | 10/23/76         | 10             | 8918            | 3723N                              | 04301E                              | 34.1         | 145.0        | GGGG                               |                     |                      | 183                     | 34                     |
| 2640-08325        | 00000/0000                   | 2-20034/1064                | 10/23/76         | 50             | 8919            | 5953N                              | 02742E                              | 16.8         | 159.4        | FGGG                               |                     |                      | 201                     | 18                     |
| 2640-08331        | 00000/0000                   | 2-20034/1065                | 10/23/76         | 90             | 8919            | 5830N                              | 02645E                              | 17.9         | 158.4        | GGGG                               |                     |                      | 201                     | 19                     |
| 2640-08334        | 00000/0000                   | 2-20034/1066                | 10/23/76         | 80             | 8919            | 5708N                              | 02552E                              | 19.1         | 157.4        | FFGG                               |                     |                      | 201                     | 20                     |
| 2640-08340        | 00000/0000                   | 2-20034/1067                | 10/23/76         | 80             | 8919            | 5544N                              | 02501E                              | 20.2         | 156.5        | FGGG                               |                     |                      | 201                     | 21                     |
| 2640-08343        | 00000/0000                   | 2-20034/1068                | 10/23/76         | 90             | 8919            | 5421N                              | 02413E                              | 21.3         | 155.6        | GFGG                               |                     |                      | 201                     | 22                     |
| 2640-08345        | 00000/0000                   | 2-20034/1069                | 10/23/76         | 60             | 8919            | 5256N                              | 02328E                              | 22.4         | 154.7        | GFGG                               |                     |                      | 201                     | 23                     |
| 2640-12231        | 00000/0000                   | 2-20034/1070                | 10/23/76         | 30             | 8921            | 2132S                              | 04912W                              | 51.0         | 81.6         | GGGG                               |                     |                      | 237                     | 75                     |
| 2640-12233        | 00000/0000                   | 2-20034/1071                | 10/23/76         | 50             | 8921            | 2257S                              | 04934W                              | 50.6         | 80.0         | GGGG                               |                     |                      | 237                     | 76                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 177

LANDSAT-2  
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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2640-12240        | 00000/0000                                     | 2-20034/1072     | 10/23/76       | 50              | 8921                               | 2423S                               | 04957W       | 50.0         | 78.5              | GGGG        |                     |                      | 237                     | 77                     |
| 2640-12242        | 00000/0000                                     | 2-20034/1073     | 10/23/76       | 30              | 8921                               | 2548S                               | 05019W       | 49.5         | 77.0              | GGGG        |                     |                      | 237                     | 78                     |
| 2640-12245        | 00000/0000                                     | 2-20034/1074     | 10/23/76       | 30              | 8921                               | 2714S                               | 05042W       | 48.9         | 75.6              | FFFF        |                     |                      | 237                     | 79                     |
| 2640-12251        | 00000/0000                                     | 2-20034/1075     | 10/23/76       | 40              | 8921                               | 2839S                               | 05106W       | 48.3         | 74.3              | FFFF        |                     |                      | 237                     | 80                     |
| 2640-12254        | 00000/0000                                     | 2-20034/1076     | 10/23/76       | 90              | 8921                               | 3005S                               | 05130W       | 47.6         | 73.0              | FFFF        |                     |                      | 237                     | 81                     |
| 2640-13435        | 00000/0000                                     | 2-20034/1024     | 10/23/76       | 90              | 8922                               | 5542N                               | 05229W       | 20.1         | 156.5             | GGGG        |                     |                      | 4                       | 21                     |
| 2640-13442        | 00000/0000                                     | 2-20034/1025     | 10/23/76       | 90              | 8922                               | 5418N                               | 05316W       | 21.3         | 155.6             | GGGG        |                     |                      | 4                       | 22                     |
| 2640-13444        | 00000/0000                                     | 2-20034/1026     | 10/23/76       | 70              | 8922                               | 5254N                               | 05401W       | 22.4         | 154.7             | GGGG        |                     |                      | 4                       | 23                     |
| 2640-13451        | 00000/0000                                     | 2-20034/1027     | 10/23/76       | 40              | 8922                               | 5130N                               | 05444W       | 23.5         | 153.8             | GGGG        |                     |                      | 4                       | 24                     |
| 2640-13453        | 00000/0000                                     | 2-20034/1028     | 10/23/76       | 40              | 8922                               | 5005N                               | 05524W       | 24.6         | 152.9             | GGGG        |                     |                      | 4                       | 25                     |
| 2640-13460        | 00000/0000                                     | 2-20034/1029     | 10/23/76       | 60              | 8922                               | 4841N                               | 05602W       | 25.7         | 152.1             | GGGG        |                     |                      | 4                       | 26                     |
| 2640-13462        | 00000/0000                                     | 2-20034/1030     | 10/23/76       | 30              | 8922                               | 4717N                               | 05638W       | 26.7         | 151.2             | FGGG        |                     |                      | 4                       | 27                     |
| 2640-13465        | 00000/0000                                     | 2-20034/1031     | 10/23/76       | 10              | 8922                               | 4552N                               | 05713W       | 27.8         | 150.4             | GFGF        |                     |                      | 4                       | 28                     |
| 2640-13471        | 00000/0000                                     | 2-20034/1032     | 10/23/76       | 20              | 8922                               | 4426N                               | 05746W       | 28.9         | 149.5             | FGGG        |                     |                      | 4                       | 29                     |
| 2640-13474        | 00000/0000                                     | 2-20034/1033     | 10/23/76       | 50              | 8922                               | 4301N                               | 05818W       | 29.9         | 148.7             | FFGG        |                     |                      | 4                       | 30                     |
| 2640-13480        | 00000/0000                                     | 2-20034/1034     | 10/23/76       | 80              | 8922                               | 4137N                               | 05849W       | 31.0         | 147.8             | GGGG        |                     |                      | 4                       | 31                     |
| 2640-17064        | 00000/0000                                     | 2-20034/0956     | 10/23/76       | 70              | 8924                               | 6758N                               | 09337W       | 9.9          | 167.1             | FGGG        |                     |                      | 40                      | 12                     |
| 2640-17070        | 00000/0000                                     | 2-20034/0957     | 10/23/76       | 80              | 8924                               | 6639N                               | 09515W       | 11.0         | 165.6             | GGGG        |                     |                      | 40                      | 13                     |
| 2640-17073        | 00000/0000                                     | 2-20034/0958     | 10/23/76       | 70              | 8924                               | 6519N                               | 09642W       | 12.2         | 164.2             | GGGG        |                     |                      | 40                      | 14                     |
| 2640-17075        | 00000/0000                                     | 2-20034/0959     | 10/23/76       | 50              | 8924                               | 6358N                               | 09802W       | 13.3         | 162.8             | GGGG        |                     |                      | 40                      | 15                     |
| 2640-17082        | 00000/0000                                     | 2-20034/0960     | 10/23/76       | 90              | 8924                               | 6236N                               | 09915W       | 14.5         | 161.6             | GGGG        |                     |                      | 40                      | 16                     |
| 2640-17100        | 00000/0000                                     | 2-20034/1136     | 10/23/76       | 90              | 8924                               | 5705N                               | 10317W       | 19.0         | 157.4             | GGGG        |                     |                      | 40                      | 20                     |
| 2640-17102        | 00000/0000                                     | 2-20034/1137     | 10/23/76       | 70              | 8924                               | 5542N                               | 10408W       | 20.1         | 156.5             | GGGF        |                     |                      | 40                      | 21                     |
| 2640-17105        | 00000/0000                                     | 2-20034/1138     | 10/23/76       | 50              | 8924                               | 5418N                               | 10455W       | 21.2         | 155.6             | GGGG        |                     |                      | 40                      | 22                     |
| 2640-17111        | 00000/0000                                     | 2-20034/1139     | 10/23/76       | 80              | 8924                               | 5254N                               | 10539W       | 22.3         | 154.7             | GGGG        |                     |                      | 40                      | 23                     |
| 2640-17114        | 00000/0000                                     | 2-20034/1140     | 10/23/76       | 80              | 8924                               | 5129N                               | 10622W       | 23.4         | 153.8             | GGGG        |                     |                      | 40                      | 24                     |
| 2640-17175        | 00000/0000                                     | 2-20034/1141     | 10/23/76       | 20              | 8924                               | 3012N                               | 11405W       | 38.9         | 140.2             | GGGG        |                     |                      | 40                      | 39                     |
| 2640-19322        | 2-20037/1352                                   | 00000/0000       | 10/23/76       | 0               | 8925                               | 7515S                               | 17016E       | 15.6         | 76.2              | FGG         |                     |                      | 58                      | 114                    |
| 2640-19325        | 2-20037/1353                                   | 00000/0000       | 10/23/76       | 0               | 8925                               | 7622S                               | 16625E       | 14.5         | 79.6              | GGG         |                     |                      | 57                      | 115                    |
| 2641-01514        | 00000/0000                                     | 2-20035/0001     | 10/24/76       | 10              | 8929                               | 3845N                               | 11929E       | 32.9         | 146.1             | FFFG        |                     |                      | 130                     | 33                     |
| 2641-01521        | 00000/0000                                     | 2-20035/0068     | 10/24/76       | 30              | 8929                               | 3720N                               | 11900E       | 33.9         | 145.2             | GGGG        |                     |                      | 130                     | 34                     |
| 2641-01523        | 00000/0000                                     | 2-20035/0109     | 10/24/76       | 20              | 8929                               | 3554N                               | 11833E       | 34.9         | 144.3             | GGGG        |                     |                      | 130                     | 35                     |
| 2641-01530        | 00000/0000                                     | 2-20035/0110     | 10/24/76       | 30              | 8929                               | 3429N                               | 11806E       | 35.9         | 143.3             | FGGG        |                     |                      | 130                     | 36                     |
| 2641-01532        | 00000/0000                                     | 2-20035/0111     | 10/24/76       | 60              | 8929                               | 3303N                               | 11740E       | 36.9         | 142.3             | GGGG        |                     |                      | 130                     | 37                     |
| 2641-01535        | 00000/0000                                     | 2-20035/0112     | 10/24/76       | 90              | 8929                               | 3137N                               | 11714E       | 37.8         | 141.3             | GGGG        |                     |                      | 130                     | 38                     |
| 2641-01541        | 00000/0000                                     | 2-20035/0113     | 10/24/76       | 90              | 8929                               | 3011N                               | 11650E       | 38.8         | 140.3             | GGGG        |                     |                      | 130                     | 39                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2641-01544        | 00000/0000                   | 2-20034/1124                | 10/24/76         | 100            | 8929            | 2846N 11626E                            | 39.7         | 139.2        | GGGG                               |                     |                      | 130                     | 40                     |
| 2641-01550        | 00000/0000                   | 2-20034/1125                | 10/24/76         | 90             | 8929            | 2720N 11603E                            | 40.6         | 138.1        | GGGG                               |                     |                      | 130                     | 41                     |
| 2641-01553        | 00000/0000                   | 2-20034/1126                | 10/24/76         | 90             | 8929            | 2554N 11540E                            | 41.5         | 137.0        | GGGG                               |                     |                      | 130                     | 42                     |
| 2641-03343        | 00000/0000                   | 2-20034/1127                | 10/24/76         | 0              | 8930            | 4009N 09407E                            | 31.8         | 147.0        | FFGG                               |                     |                      | 148                     | 32                     |
| 2641-03384        | 00000/0000                   | 2-20034/1128                | 10/24/76         | 60             | 8930            | 2552N 08949E                            | 41.5         | 137.0        | GGGG                               |                     |                      | 148                     | 42                     |
| 2641-05175        | 00000/0000                   | 2-20034/1129                | 10/24/76         | 90             | 8931            | 4013N 06820E                            | 31.8         | 147.1        | GGGG                               |                     |                      | 166                     | 32                     |
| 2641-05181        | 00000/0000                   | 2-20034/1130                | 10/24/76         | 90             | 8931            | 3847N 06751E                            | 32.8         | 146.2        | FGGG                               |                     |                      | 166                     | 33                     |
| 2641-05184        | 00000/0000                   | 2-20034/1131                | 10/24/76         | 70             | 8931            | 3722N 06722E                            | 33.8         | 145.3        | FGGG                               |                     |                      | 166                     | 34                     |
| 2641-06565        | 00000/0000                   | 2-20034/1132                | 10/24/76         | 70             | 8932            | 5420N 04835E                            | 21.0         | 155.7        | GGGG                               |                     |                      | 184                     | 22                     |
| 2641-06572        | 00000/0000                   | 2-20034/1108                | 10/24/76         | 90             | 8932            | 5256N 04750E                            | 22.1         | 154.8        | FGGG                               |                     |                      | 184                     | 23                     |
| 2641-06574        | 00000/0000                   | 2-20034/1109                | 10/24/76         | 80             | 8932            | 5132N 04708E                            | 23.2         | 153.9        | GGGG                               |                     |                      | 184                     | 24                     |
| 2641-06581        | 00000/0000                   | 2-20034/1110                | 10/24/76         | 90             | 8932            | 5008N 04628E                            | 24.3         | 153.0        | GGGG                               |                     |                      | 184                     | 25                     |
| 2641-06583        | 00000/0000                   | 2-20034/1111                | 10/24/76         | 80             | 8932            | 4843N 04550E                            | 25.4         | 152.2        | FGGG                               |                     |                      | 184                     | 26                     |
| 2641-06590        | 00000/0000                   | 2-20034/1050                | 10/24/76         | 100            | 8932            | 4719N 04513E                            | 26.5         | 151.4        | GGGG                               |                     |                      | 184                     | 27                     |
| 2641-06592        | 00000/0000                   | 2-20034/1051                | 10/24/76         | 100            | 8932            | 4554N 04438E                            | 27.6         | 150.5        | GGGG                               |                     |                      | 184                     | 28                     |
| 2641-06595        | 00000/0000                   | 2-20034/1052                | 10/24/76         | 90             | 8932            | 4429N 04404E                            | 28.6         | 149.7        | GGGG                               |                     |                      | 184                     | 29                     |
| 2641-07001        | 00000/0000                   | 2-20034/1053                | 10/24/76         | 60             | 8932            | 4304N 04332E                            | 29.7         | 148.8        | GGGG                               |                     |                      | 184                     | 30                     |
| 2641-08395        | 00000/0000                   | 2-20034/1054                | 10/24/76         | 90             | 8933            | 5543N 02333E                            | 19.9         | 156.6        | FFGG                               |                     |                      | 202                     | 21                     |
| 2641-08401        | 00000/0000                   | 2-20034/1055                | 10/24/76         | 30             | 8933            | 5420N 02246E                            | 21.0         | 155.7        | FGGG                               |                     |                      | 202                     | 22                     |
| 2641-12282        | 00000/0000                   | 2-20034/1056                | 10/24/76         | 10             | 8935            | 2006S 05016W                            | 51.6         | 83.8         | GGGG                               |                     |                      | 238                     | 74                     |
| 2641-12285        | 00000/0000                   | 2-20034/1057                | 10/24/76         | 10             | 8935            | 2132S 05037W                            | 51.2         | 82.1         | PPPP                               |                     |                      | 238                     | 75                     |
| 2641-12291        | 00000/0000                   | 2-20034/1058                | 10/24/76         | 10             | 8935            | 2258S 05059W                            | 50.7         | 80.5         | FFFF                               |                     |                      | 238                     | 76                     |
| 2641-12294        | 00000/0000                   | 2-20034/1059                | 10/24/76         | 10             | 8935            | 2424S 05122W                            | 50.2         | 79.0         | FFFF                               |                     |                      | 238                     | 77                     |
| 2641-12300        | 00000/0000                   | 2-20034/1060                | 10/24/76         | 20             | 8935            | 2550S 05144W                            | 49.7         | 77.5         | GGGG                               |                     |                      | 238                     | 78                     |
| 2641-12303        | 00000/0000                   | 2-20034/1061                | 10/24/76         | 60             | 8935            | 2716S 05207W                            | 49.1         | 76.1         | GGGG                               |                     |                      | 238                     | 79                     |
| 2641-12305        | 00000/0000                   | 2-20034/1062                | 10/24/76         | 30             | 8935            | 2841S 05231W                            | 48.5         | 74.7         | GGGG                               |                     |                      | 238                     | 80                     |
| 2641-12312        | 00000/0000                   | 2-20034/1063                | 10/24/76         | 30             | 8935            | 3006S 05256W                            | 47.8         | 73.4         | PPPP                               |                     |                      | 238                     | 81                     |
| 2641-13500        | 00000/0000                   | 2-20034/1170                | 10/24/76         | 60             | 8936            | 5417N 05440W                            | 20.9         | 155.7        | FGGG                               |                     |                      | 5                       | 22                     |
| 2641-13502        | 00000/0000                   | 2-20034/1171                | 10/24/76         | 30             | 8936            | 5254N 05525W                            | 22.0         | 154.8        | GGGG                               |                     |                      | 5                       | 23                     |
| 2641-13505        | 00000/0000                   | 2-20034/1172                | 10/24/76         | 30             | 8936            | 5130N 05607W                            | 23.1         | 153.9        | GGGG                               |                     |                      | 5                       | 24                     |
| 2641-13511        | 00000/0000                   | 2-20034/1173                | 10/24/76         | 60             | 8936            | 5005N 05648W                            | 24.2         | 153.1        | GGGG                               |                     |                      | 5                       | 25                     |
| 2641-13514        | 00000/0000                   | 2-20034/1174                | 10/24/76         | 60             | 8936            | 4841N 05726W                            | 25.3         | 152.2        | GGGG                               |                     |                      | 5                       | 26                     |
| 2641-13520        | 00000/0000                   | 2-20034/1175                | 10/24/76         | 40             | 8936            | 4716N 05803W                            | 26.4         | 151.4        | GGGG                               |                     |                      | 5                       | 27                     |
| 2641-13523        | 00000/0000                   | 2-20034/1176                | 10/24/76         | 50             | 8936            | 4551N 05838W                            | 27.5         | 150.5        | GGGG                               |                     |                      | 5                       | 28                     |
| 2641-13525        | 00000/0000                   | 2-20034/1177                | 10/24/76         | 50             | 8936            | 4426N 05911W                            | 28.6         | 149.7        | GGGG                               |                     |                      | 5                       | 29                     |
| 2641-13532        | 00000/0000                   | 2-20034/1178                | 10/24/76         | 60             | 8936            | 4302N 05943W                            | 29.6         | 148.8        | GGGG                               |                     |                      | 5                       | 30                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2641-13534        | 00000/0000                   | 2-20034/1179                | 10/24/76         | 80             | 8936            | 4136N                        | 06015W        | 30.7         | 148.0        | GGGG                               |                     |                      | 5                       | 31                     |
| 2641-15344        | 00000/0000                   | 2-20034/1180                | 10/24/76         | 80             | 8937            | 4934N                        | 08251W        | 24.6         | 152.8        | GGGG                               |                     |                      | 23                      | 25                     |
| 2641-17122        | 00000/0000                   | 2-20034/1144                | 10/24/76         | 100            | 8938            | 6758N                        | 09504W        | 9.5          | 167.2        | GFGG                               |                     |                      | 41                      | 12                     |
| 2641-17125        | 00000/0000                   | 2-20034/1145                | 10/24/76         | 90             | 8938            | 6638N                        | 09640W        | 10.7         | 165.6        | GGGG                               |                     |                      | 41                      | 13                     |
| 2641-17131        | 00000/0000                   | 2-20034/1146                | 10/24/76         | 80             | 8938            | 6518N                        | 09809W        | 11.8         | 164.2        | GGGG                               |                     |                      | 41                      | 14                     |
| 2641-17134        | 00000/0000                   | 2-20034/1147                | 10/24/76         | 70             | 8938            | 6357N                        | 09929W        | 13.0         | 162.9        | GGGG                               |                     |                      | 41                      | 15                     |
| 2641-17140        | 00000/0000                   | 2-20034/1148                | 10/24/76         | 50             | 8938            | 6235N                        | 10042W        | 14.1         | 161.7        | GGGG                               |                     |                      | 41                      | 16                     |
| 2641-17145        | 00000/0000                   | 2-20034/1149                | 10/24/76         | 90             | 8938            | 5951N                        | 10752W        | 16.4         | 159.5        | GGGG                               |                     |                      | 41                      | 18                     |
| 2641-17152        | 00000/0000                   | 2-20034/1150                | 10/24/76         | 80             | 8938            | 5828N                        | 10351W        | 17.5         | 158.5        | FGGG                               |                     |                      | 41                      | 19                     |
| 2641-17154        | 00000/0000                   | 2-20034/1151                | 10/24/76         | 80             | 8938            | 5705N                        | 10445W        | 18.6         | 157.5        | FGGG                               |                     |                      | 41                      | 20                     |
| 2641-17161        | 00000/0000                   | 2-20034/1152                | 10/24/76         | 80             | 8938            | 5542N                        | 10535W        | 19.8         | 156.6        | GGGG                               |                     |                      | 41                      | 21                     |
| 2641-17163        | 00000/0000                   | 2-20034/1153                | 10/24/76         | 70             | 8938            | 5418N                        | 10622W        | 20.9         | 155.7        | GGGG                               |                     |                      | 41                      | 22                     |
| 2641-17170        | 00000/0000                   | 2-20034/1154                | 10/24/76         | 80             | 8938            | 5254N                        | 10706W        | 22.0         | 154.8        | GGGG                               |                     |                      | 41                      | 23                     |
| 2641-17172        | 00000/0000                   | 2-20034/1155                | 10/24/76         | 90             | 8938            | 5130N                        | 10748W        | 23.1         | 153.9        | GFGG                               |                     |                      | 41                      | 24                     |
| 2641-17234        | 00000/0000                   | 2-20034/1156                | 10/24/76         | 10             | 8938            | 3012N                        | 11530W        | 38.6         | 140.5        | GGGG                               |                     |                      | 41                      | 39                     |
| 2642-01561        | 00000/0000                   | 2-20034/1112                | 10/25/76         | 0              | 8943            | 4301N                        | 11933E        | 29.5         | 148.9        | GFGG                               |                     |                      | 131                     | 30                     |
| 2642-01563        | 00000/0000                   | 2-20034/1113                | 10/25/76         | 0              | 8943            | 4136N                        | 11902E        | 30.5         | 148.1        | GGGG                               |                     |                      | 131                     | 31                     |
| 2642-01570        | 00000/0000                   | 2-20034/1114                | 10/25/76         | 0              | 8943            | 4011N                        | 11831E        | 31.6         | 147.2        | FGGG                               |                     |                      | 131                     | 32                     |
| 2642-01572        | 00000/0000                   | 2-20034/1115                | 10/25/76         | 0              | 8943            | 3845N                        | 11802E        | 32.6         | 146.3        | FGGF                               |                     |                      | 131                     | 33                     |
| 2642-01575        | 00000/0000                   | 2-20034/1116                | 10/25/76         | 0              | 8943            | 3719N                        | 11734E        | 33.6         | 145.4        | GFGG                               |                     |                      | 131                     | 34                     |
| 2642-01581        | 00000/0000                   | 2-20034/1117                | 10/25/76         | 20             | 8943            | 3554N                        | 11708E        | 34.6         | 144.5        | GGGG                               |                     |                      | 131                     | 35                     |
| 2642-01584        | 00000/0000                   | 2-20034/1118                | 10/25/76         | 30             | 8943            | 3429N                        | 11642E        | 35.6         | 143.5        | GFGG                               |                     |                      | 131                     | 36                     |
| 2642-01593        | 00000/0000                   | 2-20034/1119                | 10/25/76         | 90             | 8943            | 3138N                        | 11551E        | 37.5         | 141.6        | GGGG                               |                     |                      | 131                     | 38                     |
| 2642-01595        | 00000/0000                   | 2-20034/1120                | 10/25/76         | 90             | 8943            | 3013N                        | 11526E        | 38.5         | 140.6        | GGGG                               |                     |                      | 131                     | 39                     |
| 2642-02002        | 00000/0000                   | 2-20034/1121                | 10/25/76         | 80             | 8943            | 2847N                        | 11502E        | 39.4         | 139.5        | GGGG                               |                     |                      | 131                     | 40                     |
| 2642-02004        | 00000/0000                   | 2-20034/1122                | 10/25/76         | 90             | 8943            | 2721N                        | 11438E        | 40.3         | 138.4        | GGGG                               |                     |                      | 131                     | 41                     |
| 2642-02011        | 00000/0000                   | 2-20034/1123                | 10/25/76         | 90             | 8943            | 2555N                        | 11415E        | 41.2         | 137.3        | GGGG                               |                     |                      | 131                     | 42                     |
| 2642-02013        | 00000/0000                   | 2-20034/1142                | 10/25/76         | 90             | 8943            | 2429N                        | 11351E        | 42.1         | 136.2        | GGGG                               |                     |                      | 131                     | 43                     |
| 2642-02020        | 00000/0000                   | 2-20034/1143                | 10/25/76         | 90             | 8943            | 2303N                        | 11328E        | 42.9         | 135.0        | GGGG                               |                     |                      | 131                     | 44                     |
| 2642-03393        | 00000/0000                   | 2-20034/1133                | 10/25/76         | 10             | 8944            | 4300N                        | 09342E        | 29.4         | 148.9        | FGGG                               |                     |                      | 149                     | 30                     |
| 2642-03443        | 00000/0000                   | 2-20034/1134                | 10/25/76         | 40             | 8944            | 2554N                        | 08824E        | 41.2         | 137.3        | GGGG                               |                     |                      | 149                     | 42                     |
| 2642-03445        | 00000/0000                   | 2-20034/1135                | 10/25/76         | 0              | 8944            | 2428N                        | 08801E        | 42.1         | 136.2        | GGGG                               |                     |                      | 149                     | 43                     |
| 2642-07015        | 00000/0000                   | 2-20035/0114                | 10/25/76         | 80             | 8946            | 5707N                        | 04848E        | 18.4         | 157.6        | GGGG                               |                     |                      | 185                     | 20                     |
| 2642-07021        | 00000/0000                   | 2-20035/0115                | 10/25/76         | 70             | 8946            | 5544N                        | 04758E        | 19.5         | 156.7        | GGGG                               |                     |                      | 185                     | 21                     |
| 2642-07024        | 00000/0000                   | 2-20035/0116                | 10/25/76         | 70             | 8946            | 5420N                        | 04710E        | 20.7         | 155.8        | GGGG                               |                     |                      | 185                     | 22                     |
| 2642-07030        | 00000/0000                   | 2-20035/0148                | 10/25/76         | 90             | 8946            | 5256N                        | 04625E        | 21.8         | 154.9        | GGGG                               |                     |                      | 185                     | 23                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=HAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2642-07033        | 00000/0000                   | 2-20035/0149                | 10/25/76         | 90             | 8943                   | 5132N                        | 04543E        | 22.9         | 154.0        | GGGG                               |                     |                      | 185                     | 24                     |
| 2642-07035        | 00000/0000                   | 2-20035/0150                | 10/25/76         | 100            | 8946                   | 5007N                        | 04502E        | 24.0         | 153.2        | GGGG                               |                     |                      | 185                     | 25                     |
| 2642-07042        | 00000/0000                   | 2-20035/0151                | 10/25/76         | 90             | 8946                   | 4843N                        | 04424E        | 25.1         | 152.3        | GGGG                               |                     |                      | 185                     | 26                     |
| 2642-07044        | 00000/0000                   | 2-20035/0152                | 10/25/76         | 90             | 8946                   | 4718N                        | 04348E        | 26.2         | 151.5        | GGGG                               |                     |                      | 185                     | 27                     |
| 2642-07051        | 00000/0000                   | 2-20035/0153                | 10/25/76         | 100            | 8946                   | 4553N                        | 04314E        | 27.2         | 150.7        | GGGG                               |                     |                      | 185                     | 28                     |
| 2642-07053        | 00000/0000                   | 2-20035/0154                | 10/25/76         | 90             | 8946                   | 4428N                        | 04241E        | 28.3         | 149.8        | GGGG                               |                     |                      | 185                     | 29                     |
| 2642-07060        | 00000/0000                   | 2-20035/0155                | 10/25/76         | 90             | 8946                   | 4374N                        | 04209E        | 29.4         | 149.0        | GGGG                               |                     |                      | 185                     | 30                     |
| 2642-07062        | 00000/0000                   | 2-20035/0156                | 10/25/76         | 90             | 8946                   | 4139N                        | 04137E        | 30.4         | 148.1        | GGGG                               |                     |                      | 185                     | 31                     |
| 2642-08441        | 00000/0000                   | 2-20035/0157                | 10/25/76         | 60             | 8947                   | 5953N                        | 02449E        | 16.1         | 159.6        | GGGG                               |                     |                      | 203                     | 18                     |
| 2642-08444        | 00000/0000                   | 2-20035/0158                | 10/25/76         | 60             | 8947                   | 5830N                        | 02352E        | 17.3         | 158.6        | GGGG                               |                     |                      | 203                     | 19                     |
| 2642-08450        | 00000/0000                   | 2-20035/0159                | 10/25/76         | 10             | 8947                   | 5707N                        | 02258E        | 18.4         | 157.6        | GGGG                               |                     |                      | 203                     | 20                     |
| 2642-08453        | 00000/0000                   | 2-20035/0160                | 10/25/76         | 30             | 8947                   | 5543N                        | 02207E        | 19.5         | 156.7        | GGGG                               |                     |                      | 203                     | 21                     |
| 2642-08455        | 00000/0000                   | 2-20035/0161                | 10/25/76         | 30             | 8947                   | 5420N                        | 02120E        | 20.6         | 155.8        | GGGG                               |                     |                      | 203                     | 22                     |
| 2642-12340        | 00000/0000                   | 2-20035/0138                | 10/25/76         | 90             | 8949                   | 2006S                        | 05142W        | 51.7         | 84.3         | GGGG                               |                     |                      | 239                     | 74                     |
| 2642-12343        | 00000/0000                   | 2-20035/0139                | 10/25/76         | 80             | 8949                   | 2131S                        | 05204W        | 51.3         | 82.6         | FFFF                               |                     |                      | 239                     | 75                     |
| 2642-12354        | 00000/0000                   | 2-20035/0140                | 10/25/76         | 90             | 8949                   | 2549S                        | 05311W        | 49.8         | 78.0         | GGGG                               |                     |                      | 239                     | 78                     |
| 2642-12361        | 00000/0000                   | 2-20035/0141                | 10/25/76         | 100            | 8949                   | 2715S                        | 05335W        | 49.3         | 76.5         | GGGG                               |                     |                      | 239                     | 79                     |
| 2642-12363        | 00000/0000                   | 2-20035/0142                | 10/25/76         | 70             | 8949                   | 2840S                        | 05358W        | 48.7         | 75.1         | GGGG                               |                     |                      | 239                     | 80                     |
| 2642-12370        | 00000/0000                   | 2-20035/0143                | 10/25/76         | 50             | 8949                   | 3006S                        | 05423W        | 48.0         | 73.8         | GGGG                               |                     |                      | 239                     | 81                     |
| 2642-13545        | 00000/0000                   | 2-20034/1157                | 10/25/76         | 70             | 8950                   | 5706N                        | 05429W        | 18.4         | 157.6        | GGGG                               |                     |                      | 6                       | 20                     |
| 2642-13552        | 00000/0000                   | 2-20034/1158                | 10/25/76         | 90             | 8950                   | 5542N                        | 05520W        | 19.5         | 156.7        | GGGG                               |                     |                      | 6                       | 21                     |
| 2642-13554        | 00000/0000                   | 2-20034/1159                | 10/25/76         | 80             | 8950                   | 5418N                        | 05607W        | 20.6         | 155.8        | GGGG                               |                     |                      | 6                       | 22                     |
| 2642-13561        | 00000/0000                   | 2-20034/1160                | 10/25/76         | 30             | 8950                   | 5254N                        | 05652W        | 21.7         | 154.9        | GGGG                               |                     |                      | 6                       | 23                     |
| 2642-13563        | 00000/0000                   | 2-20034/1161                | 10/25/76         | 30             | 8950                   | 5130N                        | 05733W        | 22.8         | 154.0        | GGGG                               |                     |                      | 6                       | 24                     |
| 2642-13570        | 00000/0000                   | 2-20034/1162                | 10/25/76         | 80             | 8950                   | 5006N                        | 05813W        | 23.9         | 153.2        | GGGG                               |                     |                      | 6                       | 25                     |
| 2642-13572        | 00000/0000                   | 2-20034/1163                | 10/25/76         | 70             | 8950                   | 4841N                        | 05851W        | 25.0         | 152.4        | GGGG                               |                     |                      | 6                       | 26                     |
| 2642-13575        | 00000/0000                   | 2-20034/1164                | 10/25/76         | 70             | 8950                   | 4717N                        | 05927W        | 26.1         | 151.5        | GGGG                               |                     |                      | 6                       | 27                     |
| 2642-13581        | 00000/0000                   | 2-20034/1165                | 10/25/76         | 60             | 8950                   | 4552N                        | 06003W        | 27.2         | 150.7        | GGGG                               |                     |                      | 6                       | 28                     |
| 2642-13584        | 00000/0000                   | 2-20034/1166                | 10/25/76         | 60             | 8950                   | 4427N                        | 06038W        | 28.2         | 149.8        | GGGG                               |                     |                      | 6                       | 29                     |
| 2642-13590        | 00000/0000                   | 2-20034/1167                | 10/25/76         | 90             | 8950                   | 4302N                        | 06111W        | 29.3         | 149.0        | GGGG                               |                     |                      | 6                       | 30                     |
| 2642-13593        | 00000/0000                   | 2-20034/1168                | 10/25/76         | 70             | 8950                   | 4137N                        | 06142W        | 30.4         | 148.2        | GGGG                               |                     |                      | 6                       | 31                     |
| 2642-15401        | 00000/0000                   | 2-20034/1169                | 10/25/76         | 90             | 8951                   | 5005N                        | 06404W        | 23.9         | 153.2        | GGGG                               |                     |                      | 24                      | 25                     |
| 2642-22554        | 00000/0000                   | 2-20035/0144                | 10/25/76         | 60             | 8955                   | 2716S                        | 15131E        | 49.4         | 76.7         | GGGG                               |                     |                      | 96                      | 79                     |
| 2642-22563        | 00000/0000                   | 2-20035/0145                | 10/25/76         | 90             | 8955                   | 3006S                        | 15044E        | 48.1         | 74.0         | GGGG                               |                     |                      | 96                      | 81                     |
| 2642-22570        | 00000/0000                   | 2-20035/0146                | 10/25/76         | 100            | 8955                   | 3132S                        | 15019E        | 47.5         | 72.7         | GGGG                               |                     |                      | 96                      | 82                     |
| 2642-22572        | 00000/0000                   | 2-20035/0147                | 10/25/76         | 100            | 8955                   | 3257S                        | 14954E        | 46.8         | 71.5         | GGGG                               |                     |                      | 96                      | 83                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

0234. APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2643-02015        | 00000/0000                   | 2-20035/0117                | 10/26/76         | 0              | 8957            | 4301N 11806E                            | 29.2         | 149.1        | GGGG                               |                     |                      | 132                     | 30                     |
| 2643-02022        | 00000/0000                   | 2-20035/0162                | 10/26/76         | 0              | 8957            | 4136N 11735E                            | 30.2         | 148.2        | G                                  |                     |                      | 132                     | 31                     |
| 2643-02024        | 00000/0000                   | 2-20035/0163                | 10/26/76         | 0              | 8957            | 4011N 11705E                            | 31.2         | 147.4        | GPFG                               |                     |                      | 132                     | 32                     |
| 2643-02031        | 00000/0000                   | 2-20035/0164                | 10/26/76         | 0              | 8957            | 3846N 11636E                            | 32.3         | 146.5        | FGGG                               |                     |                      | 132                     | 33                     |
| 2643-02033        | 00000/0000                   | 2-20035/0165                | 10/26/76         | 0              | 8957            | 3721N 11609E                            | 33.3         | 145.6        | FGGG                               |                     |                      | 132                     | 34                     |
| 2643-02040        | 00000/0000                   | 2-20035/0166                | 10/26/76         | 0              | 8957            | 3555N 11542E                            | 34.3         | 144.7        | GGGG                               |                     |                      | 132                     | 35                     |
| 2643-02042        | 00000/0000                   | 2-20035/0167                | 10/26/76         | 0              | 8957            | 3429N 11515E                            | 35.3         | 143.8        | GGGG                               |                     |                      | 132                     | 36                     |
| 2643-02045        | 00000/0000                   | 2-20035/0168                | 10/26/76         | 0              | 8957            | 3303N 11450E                            | 36.3         | 142.8        | GGGG                               |                     |                      | 132                     | 37                     |
| 2643-02051        | 00000/0000                   | 2-20035/0169                | 10/26/76         | 20             | 8957            | 3138N 11424E                            | 37.3         | 141.8        | GGGG                               |                     |                      | 132                     | 38                     |
| 2643-02054        | 00000/0000                   | 2-20035/0170                | 10/26/76         | 60             | 8957            | 3012N 11400E                            | 38.2         | 140.8        | GGGG                               |                     |                      | 132                     | 39                     |
| 2643-02060        | 00000/0000                   | 2-20035/0171                | 10/26/76         | 80             | 8957            | 2846N 11335E                            | 39.1         | 139.8        | GGGG                               |                     |                      | 132                     | 40                     |
| 2643-02063        | 00000/0000                   | 2-20035/0172                | 10/26/76         | 90             | 8957            | 2721N 11312E                            | 40.1         | 138.7        | GGGG                               |                     |                      | 132                     | 41                     |
| 2643-02065        | 00000/0000                   | 2-20035/0173                | 10/26/76         | 90             | 8957            | 2555N 11249E                            | 41.0         | 137.6        | FGGG                               |                     |                      | 132                     | 42                     |
| 2643-02072        | 00000/0000                   | 2-20035/0174                | 10/26/76         | 100            | 8957            | 2428N 11226E                            | 41.8         | 136.5        | FGGG                               |                     |                      | 132                     | 43                     |
| 2643-02074        | 00000/0000                   | 2-20035/0175                | 10/26/76         | 100            | 8957            | 2302N 11203E                            | 42.7         | 135.3        | GGGG                               |                     |                      | 132                     | 44                     |
| 2643-02081        | 00000/0000                   | 2-20035/0176                | 10/26/76         | 80             | 8957            | 2136N 11141E                            | 43.5         | 134.1        | FGGG                               |                     |                      | 132                     | 45                     |
| 2643-03451        | 00000/0000                   | 2-20035/0177                | 10/26/76         | 50             | 8958            | 4301N 09216E                            | 29.1         | 149.1        | GGGG                               |                     |                      | 150                     | 30                     |
| 2643-03501        | 00000/0000                   | 2-20035/0178                | 10/26/76         | 20             | 8958            | 2552N 08656E                            | 40.9         | 137.6        | FGGG                               |                     |                      | 150                     | 42                     |
| 2643-03510        | 00000/0000                   | 2-20035/0179                | 10/26/76         | 10             | 8958            | 2301N 08611E                            | 42.7         | 135.3        | GGGG                               |                     |                      | 150                     | 44                     |
| 2643-03512        | 00000/0000                   | 2-20035/0180                | 10/26/76         | 10             | 8958            | 2135N 08549E                            | 43.5         | 134.1        | GGGG                               |                     |                      | 150                     | 45                     |
| 2643-03515        | 00000/0000                   | 2-20035/0181                | 10/26/76         | 10             | 8958            | 2008N 08528E                            | 44.3         | 132.8        | GGGG                               |                     |                      | 150                     | 46                     |
| 2643-05291        | 00000/0000                   | 2-20035/0118                | 10/26/76         | 20             | 8959            | 4013N 06529E                            | 31.2         | 147.4        | GGGG                               |                     |                      | 168                     | 32                     |
| 2643-05294        | 00000/0000                   | 2-20035/0119                | 10/26/76         | 0              | 8959            | 3848N 06459E                            | 32.2         | 146.6        | GGGG                               |                     |                      | 168                     | 33                     |
| 2643-05314        | 00000/0000                   | 2-20035/0120                | 10/26/76         | 0              | 8959            | 3140N 06246E                            | 37.2         | 141.9        | GGGG                               |                     |                      | 168                     | 38                     |
| 2643-05323        | 00000/0000                   | 2-20035/0121                | 10/26/76         | 0              | 8959            | 2848N 06157E                            | 39.1         | 139.9        | GGFG                               |                     |                      | 168                     | 40                     |
| 2643-05330        | 00000/0000                   | 2-20035/0122                | 10/26/76         | 30             | 8959            | 2723N 06133E                            | 40.0         | 138.8        | GGGG                               |                     |                      | 168                     | 41                     |
| 2643-05332        | 00000/0000                   | 2-20035/0123                | 10/26/76         | 10             | 8959            | 2557N 06110E                            | 40.9         | 137.7        | GGGG                               |                     |                      | 168                     | 42                     |
| 2643-07073        | 00000/0000                   | 2-20035/0069                | 10/26/76         | 100            | 8960            | 5707N 04722E                            | 18.1         | 157.7        | GFGG                               |                     |                      | 186                     | 20                     |
| 2643-07075        | 00000/0000                   | 2-20035/0124                | 10/26/76         | 100            | 8960            | 5544N 04632E                            | 19.2         | 156.8        | GGGG                               |                     |                      | 186                     | 21                     |
| 2643-07082        | 00000/0000                   | 2-20035/0125                | 10/26/76         | 90             | 8960            | 5420N 04545E                            | 20.3         | 155.9        | GGGG                               |                     |                      | 186                     | 22                     |
| 2643-07084        | 00000/0000                   | 2-20035/0126                | 10/26/76         | 100            | 8960            | 5256N 04501E                            | 21.4         | 155.0        | GGGG                               |                     |                      | 186                     | 23                     |
| 2643-07091        | 00000/0000                   | 2-20035/0127                | 10/26/76         | 90             | 8960            | 5132N 04418E                            | 22.6         | 154.2        | GGGG                               |                     |                      | 186                     | 24                     |
| 2643-07093        | 00000/0000                   | 2-20035/0128                | 10/26/76         | 90             | 8960            | 5008N 04338E                            | 23.7         | 153.3        | GGGG                               |                     |                      | 186                     | 25                     |
| 2643-07100        | 00000/0000                   | 2-20035/0129                | 10/26/76         | 70             | 8960            | 4844N 04300E                            | 24.8         | 152.5        | GGGG                               |                     |                      | 186                     | 26                     |
| 2643-07102        | 00000/0000                   | 2-20035/0130                | 10/26/76         | 20             | 8960            | 4719N 04222E                            | 25.8         | 151.6        | GGGG                               |                     |                      | 186                     | 27                     |
| 2643-07105        | 00000/0000                   | 2-20035/0131                | 10/26/76         | 60             | 8960            | 4554N 04147E                            | 26.9         | 150.8        | GGGG                               |                     |                      | 186                     | 28                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2643-07111        | 00000/0000                                     | 2-20035/0132 | 10/26/76         | 80             | 8960            | 4429N                              | 04114E                              | 28.0         | 150.0        |                   |                     |                      |                         |                        |
| 2643-07214        | 00000/0000                                     | 2-20035/0133 | 10/26/76         | 40             | 8960            | 0842N                              | 03106E                              | 49.8         | 121.3        | GGGG              |                     |                      | 186                     | 29                     |
| 2643-07220        | 00000/0000                                     | 2-20035/0134 | 10/26/76         | 30             | 8960            | 0716N                              | 03046E                              | 50.3         | 119.7        | GGGG              |                     |                      | 186                     | 54                     |
| 2643-07223        | 00000/0000                                     | 2-20035/0135 | 10/26/76         | 30             | 8960            | 0550N                              | 03025E                              | 50.8         | 118.0        | GGGG              |                     |                      | 186                     | 55                     |
| 2643-07293        | 00000/0000                                     | 2-20035/0136 | 10/26/76         | 10             | 8960            | 1836S                              | 02440E                              | 52.2         | 86.5         | GGGG              |                     |                      | 136                     | 56                     |
| 2643-07300        | 00000/0000                                     | 2-20035/0137 | 10/26/76         | 10             | 8960            | 2002S                              | 02419E                              | 51.8         | 84.8         | GGGG              |                     |                      | 186                     | 73                     |
| 2643-08513        | 00000/0000                                     | 2-20035/0070 | 10/26/76         | 10             | 8961            | 5419N                              | 01954E                              | 20.3         | 155.9        | GGFG              |                     |                      | 186                     | 74                     |
| 2643-12392        | 00000/0000                                     | 2-20035/0071 | 10/26/76         | 80             | 8963            | 1840S                              | 05247W                              | 52.2         | 86.6         | FGGG              |                     |                      | 204                     | 22                     |
| 2643-12395        | 00000/0000                                     | 2-20035/0072 | 10/26/76         | 60             | 8963            | 2006S                              | 05308W                              | 51.8         | 84.8         | FGGG              |                     |                      | 240                     | 73                     |
| 2643-12401        | 00000/0000                                     | 2-20035/0073 | 10/26/76         | 60             | 8963            | 2132S                              | 05330W                              | 51.4         | 83.2         | GPPP              |                     |                      | 240                     | 74                     |
| 2643-12404        | 00000/0000                                     | 2-20035/0074 | 10/26/76         | 90             | 8963            | 2258S                              | 05352W                              | 51.0         | 81.5         | FFFF              |                     |                      | 240                     | 75                     |
| 2643-12410        | 00000/0000                                     | 2-20035/0075 | 10/26/76         | 80             | 8963            | 2424S                              | 05415W                              | 50.5         | 80.0         | FFFF              |                     |                      | 240                     | 76                     |
| 2643-12413        | 00000/0000                                     | 2-20035/0076 | 10/26/76         | 30             | 8963            | 2551S                              | 05438W                              | 50.0         | 78.4         | GGGG              |                     |                      | 240                     | 77                     |
| 2643-12422        | 00000/0000                                     | 2-20035/0077 | 10/26/76         | 50             | 8963            | 2841S                              | 05525W                              | 48.9         | 75.6         | F                 |                     |                      | 240                     | 78                     |
| 2643-12424        | 00000/0000                                     | 2-20035/0078 | 10/26/76         | 80             | 8963            | 3006S                              | 05550W                              | 48.2         | 74.2         | GGGG              |                     |                      | 240                     | 80                     |
| 2643-12445        | 00000/0000                                     | 2-20035/0079 | 10/26/76         | 70             | 8963            | 3714S                              | 05759W                              | 44.7         | 68.5         | GGGG              |                     |                      | 240                     | 81                     |
| 2643-12451        | 00000/0000                                     | 2-20035/0080 | 10/26/76         | 50             | 8963            | 3838S                              | 05827W                              | 43.9         | 67.5         | GGGG              |                     |                      | 240                     | 86                     |
| 2643-14003        | 00000/0000                                     | 2-20034/1181 | 10/26/76         | 90             | 8964            | 5705N                              | 05558W                              | 18.0         | 157.7        | GGGG              |                     |                      | 240                     | 87                     |
| 2643-14010        | 00000/0000                                     | 2-20034/1182 | 10/26/76         | 90             | 8964            | 5542N                              | 05648W                              | 19.1         | 156.8        | GGFG              |                     |                      | 7                       | 20                     |
| 2643-14012        | 00000/0000                                     | 2-20034/1183 | 10/26/76         | 50             | 8964            | 5419N                              | 05735W                              | 20.3         | 155.9        | GGGG              |                     |                      | 7                       | 21                     |
| 2643-14015        | 00000/0000                                     | 2-20034/1184 | 10/26/76         | 60             | 8964            | 5255N                              | 05820W                              | 21.4         | 155.0        | GGFG              |                     |                      | 7                       | 22                     |
| 2643-14021        | 00000/0000                                     | 2-20034/1185 | 10/26/76         | 30             | 8964            | 5130N                              | 05902W                              | 22.5         | 154.2        | GGGG              |                     |                      | 7                       | 23                     |
| 2643-14024        | 00000/0000                                     | 2-20034/1186 | 10/26/76         | 100            | 8964            | 5006N                              | 05942W                              | 23.6         | 153.3        | GGFG              |                     |                      | 7                       | 24                     |
| 2643-14030        | 00000/0000                                     | 2-20034/1187 | 10/26/76         | 90             | 8964            | 4842N                              | 06020W                              | 24.7         | 152.5        | GGGG              |                     |                      | 7                       | 25                     |
| 2643-14033        | 00000/0000                                     | 2-20034/1188 | 10/26/76         | 90             | 8964            | 4717N                              | 06057W                              | 25.8         | 151.7        | GGGG              |                     |                      | 7                       | 26                     |
| 2643-14035        | 00000/0000                                     | 2-20034/1189 | 10/26/76         | 100            | 8964            | 4552N                              | 06132W                              | 26.9         | 150.8        | GGGG              |                     |                      | 7                       | 27                     |
| 2643-14042        | 00000/0000                                     | 2-20034/1190 | 10/26/76         | 100            | 8964            | 4427N                              | 06205W                              | 27.9         | 150.0        | FGGG              |                     |                      | 7                       | 28                     |
| 2643-14044        | 00000/0000                                     | 2-20034/1191 | 10/26/76         | 100            | 8964            | 4302N                              | 06237W                              | 29.0         | 149.2        | GGGG              |                     |                      | 7                       | 29                     |
| 2643-14051        | 00000/0000                                     | 2-20034/1192 | 10/26/76         | 100            | 8964            | 4137N                              | 06308W                              | 30.1         | 148.3        | GGGG              |                     |                      | 7                       | 30                     |
| 2643-15453        | 00000/0000                                     | 2-20034/1193 | 10/26/76         | 80             | 8965            | 5130N                              | 08440W                              | 22.5         | 154.2        | GGGG              |                     |                      | 7                       | 31                     |
| 2643-15455        | 00000/0000                                     | 2-20034/1194 | 10/26/76         | 90             | 8965            | 5006N                              | 08530W                              | 23.6         | 153.3        | FGGG              |                     |                      | 25                      | 24                     |
| 2643-23004        | 00000/0000                                     | 2-20035/0002 | 10/26/76         | 90             | 8969            | 2423S                              | 15051E                              | 50.6         | 80.2         | FFGG              |                     |                      | 25                      | 25                     |
| 2643-23010        | 00000/0000                                     | 2-20035/0003 | 10/26/76         | 90             | 8969            | 2549S                              | 15028E                              | 50.1         | 78.7         | GGGG              |                     |                      | 97                      | 77                     |
| 2643-23013        | 00000/0000                                     | 2-20035/0004 | 10/26/76         | 40             | 8969            | 2715S                              | 15005E                              | 49.5         | 77.2         | GGGG              |                     |                      | 97                      | 78                     |
| 2643-23015        | 00000/0000                                     | 2-20035/0005 | 10/26/76         | 40             | 8969            | 2841S                              | 14942E                              | 48.9         | 75.8         | GGGG              |                     |                      | 97                      | 79                     |
| 2643-23022        | 00000/0000                                     | 2-20035/0006 | 10/26/76         | 30             | 8969            | 3006S                              | 14917E                              | 48.3         | 74.4         | GGGG              |                     |                      | 97                      | 80                     |
|                   |                                                |              |                  |                |                 |                                    |                                     |              |              | FGFF              |                     |                      | 97                      | 81                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN. H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|---------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2643-23024        | 00000/0000 2-20035/0007                        | 10/26/76         | 50             | 8969          | 3132S                              | 14853E                              | 47.7         | 73.1         | FGGG              |                     |                      | 97                      | 82                     |
| 2643-23031        | 00000/0000 2-20035/0008                        | 10/26/76         | 70             | 8969          | 3258S                              | 14828E                              | 47.0         | 71.9         | GGGG              |                     |                      | 97                      | 83                     |
| 2643-23033        | 00000/0000 2-20035/0009                        | 10/26/76         | 40             | 8969          | 3423S                              | 14803E                              | 46.3         | 70.8         | GGGG              |                     |                      | 97                      | 84                     |
| 2643-23040        | 00000/0000 2-20035/0010                        | 10/26/76         | 30             | 8969          | 3547S                              | 14736E                              | 45.5         | 69.7         | GGGG              |                     |                      | 97                      | 85                     |
| 2644-00462        | 00000/0000 2-20035/0011                        | 10/27/76         | 50             | 8970          | 3257S                              | 12238E                              | 47.0         | 71.9         | GGGG              |                     |                      | 115                     | 89                     |
| 2644-02073        | 00000/0000 2-20035/0012                        | 10/27/76         | 100            | 8971          | 4301N                              | 11640E                              | 28.8         | 149.3        | GGGF              |                     |                      | 133                     | 30                     |
| 2644-02080        | 00000/0000 2-20035/0013                        | 10/27/76         | 100            | 8971          | 4136N                              | 11609E                              | 29.9         | 148.4        | GGGG              |                     |                      | 133                     | 31                     |
| 2644-02091        | 00000/0000 2-20035/0014                        | 10/27/76         | 80             | 8971          | 3722N                              | 11442E                              | 33.0         | 145.8        | GGGG              |                     |                      | 133                     | 34                     |
| 2644-02094        | 00000/0000 2-20035/0015                        | 10/27/76         | 90             | 8971          | 3556N                              | 11415E                              | 34.0         | 144.9        | GGGG              |                     |                      | 133                     | 35                     |
| 2644-02100        | 00000/0000 2-20035/0016                        | 10/27/76         | 60             | 8971          | 3430N                              | 11348E                              | 35.0         | 144.0        | GGGG              |                     |                      | 133                     | 36                     |
| 2644-02103        | 00000/0000 2-20035/0017                        | 10/27/76         | 40             | 8971          | 3304N                              | 11323E                              | 36.0         | 143.1        | GGGG              |                     |                      | 133                     | 37                     |
| 2644-02105        | 00000/0000 2-20035/0018                        | 10/27/76         | 60             | 8971          | 3139N                              | 11258E                              | 37.0         | 142.1        | GGGG              |                     |                      | 133                     | 38                     |
| 2644-02112        | 00000/0000 2-20035/0019                        | 10/27/76         | 100            | 8971          | 3013N                              | 11233E                              | 37.9         | 141.1        | GGGG              |                     |                      | 133                     | 39                     |
| 2644-02114        | 00000/0000 2-20035/0020                        | 10/27/76         | 100            | 8971          | 2846N                              | 11208E                              | 38.9         | 140.1        | GGGG              |                     |                      | 133                     | 40                     |
| 2644-02121        | 00000/0000 2-20035/0021                        | 10/27/76         | 90             | 8971          | 2720N                              | 11144E                              | 39.8         | 139.0        | GGGG              |                     |                      | 133                     | 41                     |
| 2644-02123        | 00000/0000 2-20035/0022                        | 10/27/76         | 90             | 8971          | 2554N                              | 11121E                              | 40.7         | 137.9        | GGGG              |                     |                      | 133                     | 42                     |
| 2644-02130        | 00000/0000 2-20035/0023                        | 10/27/76         | 90             | 8971          | 2428N                              | 11058E                              | 41.6         | 136.8        | GGGG              |                     |                      | 133                     | 43                     |
| 2644-02132        | 00000/0000 2-20035/0024                        | 10/27/76         | 90             | 8971          | 2302N                              | 11035E                              | 42.5         | 135.6        | GGGG              |                     |                      | 133                     | 44                     |
| 2644-02135        | 00000/0000 2-20035/0025                        | 10/27/76         | 60             | 8971          | 2136N                              | 11013E                              | 43.3         | 134.4        | GGGG              |                     |                      | 133                     | 45                     |
| 2644-02141        | 00000/0000 2-20035/0026                        | 10/27/76         | 70             | 8971          | 2010N                              | 10951E                              | 44.1         | 133.2        | GGGG              |                     |                      | 133                     | 46                     |
| 2644-03570        | 00000/0000 2-20035/0182                        | 10/27/76         | 0              | 8972          | 2135N                              | 08425E                              | 43.3         | 134.4        | GGGG              |                     |                      | 151                     | 45                     |
| 2644-03573        | 00000/0000 2-20035/0183                        | 10/27/76         | 10             | 8972          | 2009N                              | 08403E                              | 44.1         | 133.2        | GGGG              |                     |                      | 151                     | 46                     |
| 2644-05350        | 00000/0000 2-20035/0208                        | 10/27/76         | 70             | 8973          | 4010N                              | 06401E                              | 30.9         | 147.6        | GGGG              |                     |                      | 169                     | 32                     |
| 2644-05352        | 00000/0000 2-20035/0209                        | 10/27/76         | 50             | 8973          | 3845N                              | 06332E                              | 31.9         | 146.7        | GGGG              |                     |                      | 169                     | 33                     |
| 2644-05355        | 00000/0000 2-20035/0210                        | 10/27/76         | 30             | 8973          | 3719N                              | 06303E                              | 33.0         | 145.8        | GGGG              |                     |                      | 169                     | 34                     |
| 2644-05361        | 00000/0000 2-20035/0081                        | 10/27/76         | 60             | 8973          | 3553N                              | 06236E                              | 34.0         | 144.9        | GGGG              |                     |                      | 169                     | 35                     |
| 2644-05364        | 00000/0000 2-20035/0082                        | 10/27/76         | 50             | 8973          | 3428N                              | 06209E                              | 35.0         | 144.0        | GGGG              |                     |                      | 169                     | 36                     |
| 2644-05370        | 00000/0000 2-20035/0083                        | 10/27/76         | 60             | 8973          | 3302N                              | 06143E                              | 36.0         | 143.1        | GGGG              |                     |                      | 169                     | 37                     |
| 2644-05373        | 00000/0000 2-20035/0084                        | 10/27/76         | 40             | 8973          | 3136N                              | 06118E                              | 36.9         | 142.1        | GGGG              |                     |                      | 169                     | 38                     |
| 2644-05375        | 00000/0000 2-20035/0085                        | 10/27/76         | 20             | 8973          | 3010N                              | 06053E                              | 37.9         | 141.1        | FGGG              |                     |                      | 169                     | 39                     |
| 2644-05382        | 00000/0000 2-20035/0086                        | 10/27/76         | 0              | 8973          | 2845N                              | 06029E                              | 38.8         | 140.1        | GGGG              |                     |                      | 169                     | 40                     |
| 2644-05384        | 00000/0000 2-20035/0087                        | 10/27/76         | 0              | 8973          | 2719N                              | 06005E                              | 39.8         | 139.0        | GGGG              |                     |                      | 169                     | 41                     |
| 2644-05391        | 00000/0000 2-20035/0056                        | 10/27/76         | 10             | 8973          | 2553N                              | 05942E                              | 40.7         | 137.9        | FFGG              |                     |                      | 169                     | 42                     |
| 2644-07134        | 00000/0000 2-20035/0057                        | 10/27/76         | 100            | 8974          | 5544N                              | 04505E                              | 18.9         | 156.9        | GGGG              |                     |                      | 187                     | 21                     |
| 2644-07140        | 00000/0000 2-20035/0058                        | 10/27/76         | 90             | 8974          | 5421N                              | 04417E                              | 20.0         | 156.0        | GGGG              |                     |                      | 187                     | 22                     |
| 2644-07143        | 00000/0000 2-20035/0059                        | 10/27/76         | 90             | 8974          | 5256N                              | 04333E                              | 21.1         | 155.1        | GGGG              |                     |                      | 187                     | 23                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
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FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV | SUN<br>AZIM | IMAGE-QUAL<br>RBV. MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|-------------|-------------|------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2644-07145        | 00000/0000 2-20035/0060                        | 10/27/76         | 100            | 8974            | 5132N                        | 04250E        | 22.2        | 154.3       | GGGG                   |                     |                      | 187                     | 24                     |
| 2644-07152        | 00000/0000 2-20035/0061                        | 10/27/76         | 100            | 8974            | 5007N                        | 04211E        | 23.3        | 153.4       | GGGG                   |                     |                      | 187                     | 25                     |
| 2644-07154        | 00000/0000 2-20035/0062                        | 10/27/76         | 50             | 8974            | 4843N                        | 04132E        | 24.4        | 152.6       | GGGG                   |                     |                      | 187                     | 26                     |
| 2644-07161        | 00000/0000 2-20035/0063                        | 10/27/76         | 10             | 8974            | 4717N                        | 04055E        | 25.5        | 151.8       | GGGG                   |                     |                      | 187                     | 27                     |
| 2644-07163        | 00000/0000 2-20035/0064                        | 10/27/76         | 20             | 8974            | 4552N                        | 04020E        | 26.6        | 151.0       | GGGG                   |                     |                      | 187                     | 28                     |
| 2644-07170        | 00000/0000 2-20035/0065                        | 10/27/76         | 50             | 8974            | 4428N                        | 03947E        | 27.7        | 150.1       | GGGG                   |                     |                      | 187                     | 29                     |
| 2644-07352        | 00000/0000 2-20035/0066                        | 10/27/76         | 10             | 8974            | 1837S                        | 02314E        | 52.2        | 87.0        | GGGG                   |                     |                      | 187                     | 73                     |
| 2644-07354        | 00000/0000 2-20035/0067                        | 10/27/76         | 0              | 8974            | 2003S                        | 02252E        | 51.9        | 85.3        | FFFF                   |                     |                      | 187                     | 74                     |
| 2644-12480        | 00000/0000 2-20035/0088                        | 10/27/76         | 50             | 8977            | 2841S                        | 05650W        | 49.0        | 76.0        | GGGG                   |                     |                      | 241                     | 80                     |
| 2644-12482        | 00000/0000 2-20035/0089                        | 10/27/76         | 50             | 8977            | 3007S                        | 05714W        | 48.4        | 74.7        | GGGG                   |                     |                      | 241                     | 81                     |
| 2644-12491        | 00000/0000 2-20035/0027                        | 10/27/76         | 90             | 8977            | 3258S                        | 05803W        | 47.1        | 72.1        | GGGG                   |                     |                      | 241                     | 83                     |
| 2644-12494        | 00000/0000 2-20035/0028                        | 10/27/76         | 80             | 8977            | 3423S                        | 05829W        | 46.4        | 71.0        | FFFF                   |                     |                      | 241                     | 84                     |
| 2644-12500        | 00000/0000 2-20035/0029                        | 10/27/76         | 60             | 8977            | 3549S                        | 05855W        | 45.7        | 69.9        | PGGG                   |                     |                      | 241                     | 85                     |
| 2644-12505        | 00000/0000 2-20035/0030                        | 10/27/76         | 90             | 8977            | 3838S                        | 05951W        | 44.1        | 67.9        | GGGG                   |                     |                      | 241                     | 87                     |
| 2644-14061        | 00000/0000 2-20035/0263                        | 10/27/76         | 90             | 8978            | 5706N                        | 05721W        | 17.7        | 157.8       | GGGG                   |                     |                      | 8                       | 20                     |
| 2644-14064        | 00000/0000 2-20035/0264                        | 10/27/76         | 90             | 8978            | 5542N                        | 05811W        | 18.8        | 156.9       | GGGG                   |                     |                      | 8                       | 21                     |
| 2644-14070        | 00000/0000 2-20035/0265                        | 10/27/76         | 100            | 8978            | 5418N                        | 05858W        | 19.9        | 156.0       | GGFG                   |                     |                      | 8                       | 22                     |
| 2644-14073        | 00000/0000 2-20035/0266                        | 10/27/76         | 100            | 8978            | 5254N                        | 05943W        | 21.1        | 155.1       | FGFG                   |                     |                      | 8                       | 23                     |
| 2644-14075        | 00000/0000 2-20035/0267                        | 10/27/76         | 90             | 8978            | 5130N                        | 06025W        | 22.2        | 154.3       | GGGG                   |                     |                      | 8                       | 24                     |
| 2644-14082        | 00000/0000 2-20035/0268                        | 10/27/76         | 30             | 8978            | 5006N                        | 06105W        | 23.3        | 153.4       | GGGG                   |                     |                      | 8                       | 25                     |
| 2644-14091        | 00000/0000 2-20035/0269                        | 10/27/76         | 50             | 8978            | 4842N                        | 06143W        | 24.4        | 152.6       | GGGG                   |                     |                      | 8                       | 26                     |
| 2644-14093        | 00000/0000 2-20035/0270                        | 10/27/76         | 80             | 8978            | 4717N                        | 06220W        | 25.5        | 151.8       | GGGG                   |                     |                      | 8                       | 27                     |
| 2644-14100        | 00000/0000 2-20035/0271                        | 10/27/76         | 80             | 8978            | 4552N                        | 06255W        | 26.6        | 151.0       | GGGG                   |                     |                      | 8                       | 28                     |
| 2644-14102        | 00000/0000 2-20035/0272                        | 10/27/76         | 70             | 8978            | 4427N                        | 06328W        | 27.7        | 150.2       | GGGG                   |                     |                      | 8                       | 29                     |
| 2644-14105        | 00000/0000 2-20035/0273                        | 10/27/76         | 80             | 8978            | 4302N                        | 06401W        | 28.7        | 149.3       | GGGG                   |                     |                      | 8                       | 30                     |
| 2644-15514        | 00000/0000 2-20035/0274                        | 10/27/76         | 60             | 8978            | 4137N                        | 06432W        | 29.7        | 148.5       | GGGG                   |                     |                      | 8                       | 31                     |
| 2644-17343        | 00000/0000 2-20035/0275                        | 10/27/76         | 20             | 8979            | 5006N                        | 08655W        | 23.2        | 153.5       | GGGG                   |                     |                      | 26                      | 25                     |
| 2644-23064        | 00000/0000 2-20035/0283                        | 10/27/76         | 80             | 8980            | 5129N                        | 11205W        | 22.1        | 154.3       | GGGG                   |                     |                      | 44                      | 24                     |
| 2644-23071        | 00000/0000 2-20035/0031                        | 10/27/76         | 40             | 8983            | 2549S                        | 14903E        | 50.2        | 79.1        | GGGG                   |                     |                      | 98                      | 78                     |
| 2644-23073        | 00000/0000 2-20035/0032                        | 10/27/76         | 10             | 8983            | 2714S                        | 14840E        | 49.7        | 77.6        | GGGG                   |                     |                      | 98                      | 79                     |
| 2644-23082        | 00000/0000 2-20035/0033                        | 10/27/76         | 0              | 8983            | 2841S                        | 14816E        | 49.1        | 76.2        | GGGG                   |                     |                      | 98                      | 80                     |
| 2644-23085        | 00000/0000 2-20035/0034                        | 10/27/76         | 10             | 8983            | 3132S                        | 14727E        | 47.9        | 73.6        | GGGG                   |                     |                      | 98                      | 82                     |
| 2644-23091        | 00000/0000 2-20035/0035                        | 10/27/76         | 10             | 8983            | 3257S                        | 14702E        | 47.2        | 72.3        | GGGG                   |                     |                      | 98                      | 83                     |
| 2644-23094        | 00000/0000 2-20035/0036                        | 10/27/76         | 10             | 8983            | 3422S                        | 14636E        | 46.5        | 71.2        | GGGG                   |                     |                      | 98                      | 84                     |
| 2644-23100        | 00000/0000 2-20035/0037                        | 10/27/76         | 10             | 8983            | 3547S                        | 14609E        | 45.8        | 70.0        | GGGG                   |                     |                      | 98                      | 85                     |
|                   | 00000/0000 2-20035/0038                        | 10/27/76         | 40             | 8983            | 3712S                        | 14542E        | 45.0        | 69.0        | GGGG                   |                     |                      | 98                      | 86                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK; NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2645-00514        | 00000/0000                                     | 2-20035/0039     | 10/28/76       | 40              | 8984                               | 3133S                               | 12137E       | 47.9         | 73.6              | GGGG                |                      | 116                     | 82                     |
| 2645-00520        | 00000/0000                                     | 2-20035/0040     | 10/28/76       | 40              | 8984                               | 3258S                               | 12113E       | 47.2         | 72.3              | GFGG                |                      | 116                     | 83                     |
| 2645-02134        | 00000/0000                                     | 2-20035/0041     | 10/28/76       | 10              | 8985                               | 4136N                               | 11444E       | 29.6         | 148.6             | GGGG                |                      | 134                     | 31                     |
| 2645-02141        | 00000/0000                                     | 2-20035/0042     | 10/28/76       | 10              | 8985                               | 4011N                               | 11414E       | 30.6         | 147.7             | GGGG                |                      | 134                     | 32                     |
| 2645-02143        | 00000/0000                                     | 2-20035/0043     | 10/28/76       | 0               | 8985                               | 3846N                               | 11345E       | 31.7         | 146.9             | GGGG                |                      | 134                     | 33                     |
| 2645-02150        | 00000/0000                                     | 2-20035/0044     | 10/28/76       | 0               | 8985                               | 3720N                               | 11317E       | 32.7         | 146.0             | GGGG                |                      | 134                     | 34                     |
| 2645-02152        | 00000/0000                                     | 2-20035/0045     | 10/28/76       | 0               | 8985                               | 3555N                               | 11250E       | 33.7         | 145.1             | FGGG                |                      | 134                     | 35                     |
| 2645-02155        | 00000/0000                                     | 2-20035/0046     | 10/28/76       | 0               | 8985                               | 3430N                               | 11224E       | 34.7         | 144.2             | GGGG                |                      | 134                     | 36                     |
| 2645-02161        | 00000/0000                                     | 2-20035/0047     | 10/28/76       | 0               | 8985                               | 3304N                               | 11158E       | 35.7         | 143.3             | GGGG                |                      | 134                     | 37                     |
| 2645-02164        | 00000/0000                                     | 2-20035/0048     | 10/28/76       | 0               | 8985                               | 3137N                               | 11132E       | 36.7         | 142.3             | FGGG                |                      | 134                     | 38                     |
| 2645-02170        | 00000/0000                                     | 2-20035/0049     | 10/28/76       | 40              | 8985                               | 3011N                               | 11107E       | 37.7         | 141.3             | GGGG                |                      | 134                     | 39                     |
| 2645-02173        | 00000/0000                                     | 2-20035/0050     | 10/28/76       | 90              | 8985                               | 2845N                               | 11042E       | 38.6         | 140.3             | GGGG                |                      | 134                     | 40                     |
| 2645-02175        | 00000/0000                                     | 2-20035/0051     | 10/28/76       | 90              | 8985                               | 2719N                               | 11019E       | 39.5         | 139.3             | GGGG                |                      | 134                     | 41                     |
| 2645-02182        | 00000/0000                                     | 2-20035/0052     | 10/28/76       | 90              | 8985                               | 2553N                               | 10956E       | 40.4         | 138.2             | GGGG                |                      | 134                     | 42                     |
| 2645-02184        | 00000/0000                                     | 2-20035/0053     | 10/28/76       | 80              | 8985                               | 2427N                               | 10933E       | 41.3         | 137.1             | GGGG                |                      | 134                     | 43                     |
| 2645-02191        | 00000/0000                                     | 2-20035/0054     | 10/28/76       | 90              | 8985                               | 2302N                               | 10911E       | 42.2         | 135.9             | GGGG                |                      | 134                     | 44                     |
| 2645-02193        | 00000/0000                                     | 2-20035/0055     | 10/28/76       | 80              | 8985                               | 2137N                               | 10849E       | 43.1         | 134.7             | GGGG                |                      | 134                     | 45                     |
| 2645-03561        | 00000/0000                                     | 2-20035/0090     | 10/28/76       | 10              | 8986                               | 4425N                               | 08957E       | 27.4         | 150.2             | GGGG                |                      | 152                     | 29                     |
| 2645-03563        | 00000/0000                                     | 2-20035/0091     | 10/28/76       | 0               | 8986                               | 4300N                               | 08924E       | 28.5         | 149.4             | GGGG                |                      | 152                     | 30                     |
| 2645-04011        | 00000/0000                                     | 2-20035/0092     | 10/28/76       | 0               | 8986                               | 2720N                               | 08429E       | 39.5         | 139.3             | GGGG                |                      | 152                     | 41                     |
| 2645-04013        | 00000/0000                                     | 2-20035/0093     | 10/28/76       | 0               | 8986                               | 2554N                               | 08405E       | 40.4         | 138.2             | GGGG                |                      | 152                     | 42                     |
| 2645-04020        | 00000/0000                                     | 2-20035/0094     | 10/28/76       | 0               | 8986                               | 2429N                               | 08343E       | 41.3         | 137.1             | GGGG                |                      | 152                     | 43                     |
| 2645-04022        | 00000/0000                                     | 2-20035/0095     | 10/28/76       | 0               | 8986                               | 2302N                               | 08320E       | 42.2         | 136.0             | GGGG                |                      | 152                     | 44                     |
| 2645-04025        | 00000/0000                                     | 2-20035/0096     | 10/28/76       | 0               | 8986                               | 2135N                               | 08258E       | 43.0         | 134.8             | GGGG                |                      | 152                     | 45                     |
| 2645-04031        | 00000/0000                                     | 2-20035/0097     | 10/28/76       | 0               | 8986                               | 2009N                               | 08234E       | 43.9         | 133.5             | GGGG                |                      | 152                     | 46                     |
| 2645-04034        | 00000/0000                                     | 2-20035/0098     | 10/28/76       | 0               | 8986                               | 1843N                               | 08215E       | 44.7         | 132.3             | GGGG                |                      | 152                     | 47                     |
| 2645-05424        | 00000/0000                                     | 2-20035/0211     | 10/28/76       | 30              | 8987                               | 3302N                               | 06018E       | 35.7         | 143.3             | GGGG                |                      | 170                     | 37                     |
| 2645-05431        | 00000/0000                                     | 2-20035/0212     | 10/28/76       | 10              | 8987                               | 3136N                               | 05952E       | 36.7         | 142.4             | GGGG                |                      | 170                     | 38                     |
| 2645-05433        | 00000/0000                                     | 2-20035/0213     | 10/28/76       | 10              | 8987                               | 3011N                               | 05927E       | 37.6         | 141.4             | GGGG                |                      | 170                     | 39                     |
| 2645-05440        | 00000/0000                                     | 2-20035/0214     | 10/28/76       | 0               | 8987                               | 2845N                               | 05903E       | 38.6         | 140.4             | GGGG                |                      | 170                     | 40                     |
| 2645-05442        | 00000/0000                                     | 2-20035/0215     | 10/28/76       | 0               | 8987                               | 2719N                               | 05840E       | 39.5         | 139.3             | GGGG                |                      | 170                     | 41                     |
| 2645-05445        | 00000/0000                                     | 2-20035/0216     | 10/28/76       | 10              | 8987                               | 2553N                               | 05817E       | 40.4         | 138.2             | GGGG                |                      | 170                     | 42                     |
| 2645-07185        | 00000/0000                                     | 2-20035/0248     | 10/28/76       | 80              | 8988                               | 5707N                               | 04429E       | 17.4         | 157.9             | GGGG                |                      | 188                     | 20                     |
| 2645-07192        | 00000/0000                                     | 2-20035/0099     | 10/28/76       | 70              | 8988                               | 5544N                               | 04338E       | 18.6         | 157.0             | GGGG                |                      | 188                     | 21                     |
| 2645-07194        | 00000/0000                                     | 2-20035/0100     | 10/28/76       | 80              | 8988                               | 5420N                               | 04251E       | 19.7         | 156.1             | GGGG                |                      | 188                     | 22                     |
| 2645-07201        | 00000/0000                                     | 2-20035/0101     | 10/28/76       | 40              | 8988                               | 5255N                               | 04206E       | 20.8         | 155.2             | GGGG                |                      | 188                     | 23                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2645-07203        | 00000/0000                   | 2-20035/0102                | 10/28/76         | 20             | 8988            | 5131N                              | 04123E                              | 21.9         | 154.4        | GGGG                               |                     |                      | 188                     | 24                     |
| 2645-07210        | 00000/0000                   | 2-20035/0103                | 10/28/76         | 50             | 8988            | 5007N                              | 04043E                              | 23.0         | 153.6        | GGGG                               |                     |                      | 188                     | 25                     |
| 2645-07212        | 00000/0000                   | 2-20035/0104                | 10/28/76         | 100            | 8988            | 4843N                              | 04005E                              | 24.1         | 152.7        | GGGG                               |                     |                      | 188                     | 26                     |
| 2645-07215        | 00000/0000                   | 2-20035/0105                | 10/28/76         | 100            | 8988            | 4718N                              | 03929E                              | 25.2         | 151.9        | GGGG                               |                     |                      | 188                     | 27                     |
| 2645-07221        | 00000/0000                   | 2-20035/0106                | 10/28/76         | 90             | 8988            | 4553N                              | 03854E                              | 26.3         | 151.1        | GGGG                               |                     |                      | 188                     | 28                     |
| 2645-07224        | 00000/0000                   | 2-20035/0107                | 10/28/76         | 60             | 8988            | 4428N                              | 03821E                              | 27.4         | 150.3        | GGGG                               |                     |                      | 188                     | 29                     |
| 2645-07412        | 00000/0000                   | 2-20035/0108                | 10/28/76         | 30             | 8988            | 2003S                              | 02127E                              | 52.0         | 85.8         | GGGG                               |                     |                      | 188                     | 74                     |
| 2645-12543        | 00000/0000                   | 2-20035/0236                | 10/28/76         | 10             | 8991            | 3131S                              | 05903W                              | 48.0         | 73.8         | FFGG                               |                     |                      | 242                     | 82                     |
| 2645-12552        | 00000/0000                   | 2-20035/0237                | 10/28/76         | 60             | 8991            | 3422S                              | 05955W                              | 46.6         | 71.4         | GGGG                               |                     |                      | 242                     | 84                     |
| 2645-12555        | 00000/0000                   | 2-20035/0238                | 10/28/76         | 40             | 8991            | 3547S                              | 06022W                              | 45.9         | 70.2         | GGGG                               |                     |                      | 242                     | 85                     |
| 2645-12561        | 00000/0000                   | 2-20035/0239                | 10/28/76         | 10             | 8991            | 3713S                              | 06049W                              | 45.1         | 69.2         | FFGG                               |                     |                      | 242                     | 86                     |
| 2645-12564        | 00000/0000                   | 2-20035/0240                | 10/28/76         | 10             | 8991            | 3839S                              | 06117W                              | 44.3         | 68.2         | FFGG                               |                     |                      | 242                     | 87                     |
| 2645-12570        | 00000/0000                   | 2-20035/0241                | 10/28/76         | 0              | 8991            | 4074S                              | 06146W                              | 43.5         | 67.3         | GGGG                               |                     |                      | 242                     | 88                     |
| 2645-14140        | 00000/0000                   | 2-20035/0284                | 10/28/76         | 10             | 8992            | 5006N                              | 06231W                              | 23.0         | 153.6        | GGGG                               |                     |                      | 9                       | 25                     |
| 2645-14143        | 00000/0000                   | 2-20035/0285                | 10/28/76         | 40             | 8992            | 4841N                              | 06309W                              | 24.1         | 152.7        | GGG                                |                     |                      | 9                       | 26                     |
| 2645-14152        | 00000/0000                   | 2-20035/0286                | 10/28/76         | 20             | 8992            | 4552N                              | 06420W                              | 26.2         | 151.1        | GGG                                |                     |                      | 9                       | 28                     |
| 2645-14154        | 00000/0000                   | 2-20035/0287                | 10/28/76         | 50             | 8992            | 4427N                              | 06455W                              | 27.3         | 150.3        | GGGG                               |                     |                      | 9                       | 29                     |
| 2645-14161        | 00000/0000                   | 2-20035/0288                | 10/28/76         | 60             | 8992            | 4301N                              | 06528W                              | 28.4         | 149.5        | GGGG                               |                     |                      | 9                       | 30                     |
| 2645-14163        | 00000/0000                   | 2-20035/0289                | 10/28/76         | 70             | 8992            | 4136N                              | 06600W                              | 29.4         | 148.7        | GGGG                               |                     |                      | 9                       | 31                     |
| 2645-15572        | 00000/0000                   | 2-20035/0290                | 10/28/76         | 40             | 8993            | 5005N                              | 08823W                              | 22.9         | 153.6        | GGGG                               |                     |                      | 27                      | 25                     |
| 2645-23114        | 00000/0000                   | 2-20035/0242                | 10/28/76         | 0              | 8997            | 2257S                              | 14823E                              | 51.3         | 82.8         | GGGG                               |                     |                      | 99                      | 76                     |
| 2645-23120        | 00000/0000                   | 2-20035/0243                | 10/28/76         | 0              | 8997            | 2422S                              | 14800E                              | 50.9         | 81.1         | GGGG                               |                     |                      | 99                      | 77                     |
| 2645-23143        | 00000/0000                   | 2-20035/0244                | 10/28/76         | 10             | 8997            | 3258S                              | 14537E                              | 47.4         | 72.7         | GGGG                               |                     |                      | 99                      | 83                     |
| 2645-23150        | 00000/0000                   | 2-20035/0245                | 10/28/76         | 10             | 8997            | 3423S                              | 14512E                              | 46.7         | 71.5         | GGGG                               |                     |                      | 99                      | 84                     |
| 2645-23152        | 00000/0000                   | 2-20035/0246                | 10/28/76         | 0              | 8997            | 3547S                              | 14445E                              | 46.0         | 70.4         | GGGG                               |                     |                      | 99                      | 85                     |
| 2645-23155        | 00000/0000                   | 2-20035/0247                | 10/28/76         | 20             | 8997            | 3712S                              | 14417E                              | 45.2         | 69.4         | GGGG                               |                     |                      | 99                      | 86                     |
| 2646-00572        | 00000/0000                   | 2-20035/0249                | 10/29/76         | 70             | 8998            | 3132S                              | 12011E                              | 48.1         | 74.0         | GGGG                               |                     |                      | 117                     | 82                     |
| 2646-00575        | 00000/0000                   | 2-20035/0250                | 10/29/76         | 70             | 8998            | 3257S                              | 11946E                              | 47.4         | 72.7         | GGGG                               |                     |                      | 117                     | 83                     |
| 2646-00581        | 00000/0000                   | 2-20035/0251                | 10/29/76         | 50             | 8998            | 3423S                              | 11921E                              | 46.7         | 71.6         | GGGG                               |                     |                      | 117                     | 84                     |
| 2646-02192        | 00000/0000                   | 2-20035/0252                | 10/29/76         | 10             | 8999            | 4136N                              | 11317E                              | 29.3         | 148.8        | GGGG                               |                     |                      | 135                     | 31                     |
| 2646-02195        | 00000/0000                   | 2-20035/0253                | 10/29/76         | 10             | 8999            | 4011N                              | 11247E                              | 30.3         | 147.9        | GGGG                               |                     |                      | 135                     | 32                     |
| 2646-02201        | 00000/0000                   | 2-20035/0254                | 10/29/76         | 0              | 8999            | 3846N                              | 11218E                              | 31.4         | 147.1        | GGGG                               |                     |                      | 135                     | 33                     |
| 2646-02210        | 00000/0000                   | 2-20035/0255                | 10/29/76         | 0              | 8999            | 3555N                              | 11123E                              | 33.4         | 145.3        | GGGG                               |                     |                      | 135                     | 35                     |
| 2646-02213        | 00000/0000                   | 2-20035/0256                | 10/29/76         | 0              | 8999            | 3429N                              | 11056E                              | 34.4         | 144.4        | GGGG                               |                     |                      | 135                     | 36                     |
| 2646-02215        | 00000/0000                   | 2-20035/0257                | 10/29/76         | 10             | 8999            | 3303N                              | 11029E                              | 35.4         | 143.5        | GGGG                               |                     |                      | 135                     | 37                     |
| 2646-02233        | 00000/0000                   | 2-20035/0258                | 10/29/76         | 30             | 8999            | 2720N                              | 10852E                              | 39.3         | 139.5        | GGGG                               |                     |                      | 135                     | 41                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR N4N-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN REEL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2646-02240        | 00000/0000                           | 2-20035/0259     | 10/29/76         | 80             | 8999            | 2554N 10829E                            | 40.2         | 138.5        | GGGG                               |                     |                      | 135                     | 42                     |
| 2646-02242        | 00000/0000                           | 2-20035/0260     | 10/29/76         | 100            | 8999            | 2428N 10806E                            | 41.1         | 137.4        | GGGG                               |                     |                      | 135                     | 43                     |
| 2646-02245        | 00000/0000                           | 2-20035/0261     | 10/29/76         | 100            | 8999            | 2302N 10743E                            | 42.0         | 136.2        | GGGG                               |                     |                      | 135                     | 44                     |
| 2646-04015        | 00000/0000                           | 2-20035/0217     | 10/29/76         | 20             | 9000            | 4426N 08832E                            | 27.1         | 150.4        | GGGG                               |                     |                      | 153                     | 29                     |
| 2646-04021        | 00000/0000                           | 2-20035/0218     | 10/29/76         | 10             | 9000            | 4301N 08800E                            | 28.2         | 149.6        | GGGG                               |                     |                      | 153                     | 30                     |
| 2646-04024        | 00000/0000                           | 2-20035/0219     | 10/29/76         | 0              | 9000            | 4137N 08728E                            | 29.3         | 148.8        | GGGG                               |                     |                      | 153                     | 31                     |
| 2646-04065        | 00000/0000                           | 2-20035/0207     | 10/29/76         | 0              | 9000            | 2720N 08303E                            | 39.2         | 139.6        | GGGG                               |                     |                      | 153                     | 41                     |
| 2646-04071        | 00000/0000                           | 2-20035/0220     | 10/29/76         | 0              | 9000            | 2554N 08240E                            | 40.2         | 138.5        | GGGG                               |                     |                      | 153                     | 42                     |
| 2646-04074        | 00000/0000                           | 2-20035/0221     | 10/29/76         | 0              | 9000            | 2428N 08217E                            | 41.1         | 137.4        | GGGG                               |                     |                      | 153                     | 43                     |
| 2646-04083        | 00000/0000                           | 2-20035/0222     | 10/29/76         | 0              | 9000            | 2127N 08133E                            | 42.8         | 135.1        | GGGG                               |                     |                      | 153                     | 45                     |
| 2646-04085        | 00000/0000                           | 2-20035/0223     | 10/29/76         | 0              | 9000            | 2011N 08111E                            | 43.6         | 133.9        | GGGG                               |                     |                      | 153                     | 46                     |
| 2646-04092        | 00000/0000                           | 2-20035/0224     | 10/29/76         | 0              | 9000            | 1844N 08050E                            | 44.4         | 132.6        | GGGG                               |                     |                      | 153                     | 47                     |
| 2646-05471        | 00000/0000                           | 2-20035/0195     | 10/29/76         | 90             | 9001            | 3720N 06012E                            | 32.4         | 146.2        | GGGG                               |                     |                      | 171                     | 34                     |
| 2646-05473        | 00000/0000                           | 2-20035/0196     | 10/29/76         | 70             | 9001            | 3544N 05945E                            | 33.4         | 145.4        | GGGG                               |                     |                      | 171                     | 35                     |
| 2646-05480        | 00000/0000                           | 2-20035/0197     | 10/29/76         | 70             | 9001            | 3429N 05918E                            | 34.4         | 144.5        | GGGG                               |                     |                      | 171                     | 36                     |
| 2646-05482        | 00000/0000                           | 2-20035/0198     | 10/29/76         | 80             | 9001            | 3303N 05852E                            | 35.4         | 143.5        | GGGG                               |                     |                      | 171                     | 37                     |
| 2646-05485        | 00000/0000                           | 2-20035/0199     | 10/29/76         | 80             | 9001            | 3137N 05826E                            | 36.4         | 142.6        | GGGG                               |                     |                      | 171                     | 38                     |
| 2646-05491        | 00000/0000                           | 2-20035/0200     | 10/29/76         | 70             | 9001            | 3011N 05801E                            | 37.3         | 141.6        | GGGG                               |                     |                      | 171                     | 39                     |
| 2646-05494        | 00000/0000                           | 2-20035/0201     | 10/29/76         | 20             | 9001            | 2845N 05737E                            | 38.3         | 140.6        | GGGG                               |                     |                      | 171                     | 40                     |
| 2646-05500        | 00000/0000                           | 2-20035/0202     | 10/29/76         | 40             | 9001            | 2720N 05713E                            | 39.2         | 139.6        | GGGG                               |                     |                      | 171                     | 41                     |
| 2646-05503        | 00000/0000                           | 2-20035/0225     | 10/29/76         | 10             | 9001            | 2554N 05650E                            | 40.2         | 138.5        | GGGG                               |                     |                      | 171                     | 42                     |
| 2646-07244        | 00000/0000                           | 2-20035/0226     | 10/29/76         | 80             | 9002            | 5704N 04301E                            | 17.1         | 157.9        | GGGG                               |                     |                      | 189                     | 20                     |
| 2646-07250        | 00000/0000                           | 2-20035/0227     | 10/29/76         | 90             | 9002            | 5541N 04211E                            | 18.3         | 157.0        | GGGG                               |                     |                      | 189                     | 21                     |
| 2646-07253        | 00000/0000                           | 2-20035/0228     | 10/29/76         | 70             | 9002            | 5417N 04125E                            | 19.4         | 156.1        | GGGG                               |                     |                      | 189                     | 22                     |
| 2646-07255        | 00000/0000                           | 2-20035/0229     | 10/29/76         | 30             | 9002            | 5254N 04041E                            | 20.5         | 155.3        | GGGG                               |                     |                      | 189                     | 23                     |
| 2646-07262        | 00000/0000                           | 2-20035/0230     | 10/29/76         | 10             | 9002            | 5129N 03958E                            | 21.6         | 154.5        | GGGG                               |                     |                      | 189                     | 24                     |
| 2646-07264        | 00000/0000                           | 2-20035/0231     | 10/29/76         | 10             | 9002            | 5004N 03918E                            | 22.7         | 153.6        | GGGG                               |                     |                      | 189                     | 25                     |
| 2646-07271        | 00000/0000                           | 2-20035/0232     | 10/29/76         | 10             | 9002            | 4840N 03840E                            | 23.8         | 152.8        | GGGG                               |                     |                      | 189                     | 26                     |
| 2646-07273        | 00000/0000                           | 2-20035/0233     | 10/29/76         | 10             | 9002            | 4716N 03803E                            | 24.9         | 152.0        | GGGG                               |                     |                      | 189                     | 27                     |
| 2646-07280        | 00000/0000                           | 2-20035/0234     | 10/29/76         | 20             | 9002            | 4561N 03728E                            | 26.0         | 151.2        | GGGG                               |                     |                      | 189                     | 28                     |
| 2646-07282        | 00000/0000                           | 2-20035/0235     | 10/29/76         | 10             | 9002            | 4426N 03655E                            | 27.1         | 150.4        | GGGG                               |                     |                      | 189                     | 29                     |
| 2646-12592        | 00000/0000                           | 2-20035/0184     | 10/29/76         | 60             | 9005            | 2840S 05942W                            | 49.4         | 76.9         | FFFF                               |                     |                      | 243                     | 80                     |
| 2646-12595        | 00000/0000                           | 2-20035/0185     | 10/29/76         | 40             | 9005            | 3006S 06007W                            | 48.8         | 75.5         | GGGG                               |                     |                      | 243                     | 81                     |
| 2646-13001        | 00000/0000                           | 2-20035/0186     | 10/29/76         | 40             | 9005            | 3131S 06031W                            | 48.2         | 74.2         | FFFF                               |                     |                      | 243                     | 82                     |
| 2646-13004        | 00000/0000                           | 2-20035/0187     | 10/29/76         | 50             | 9005            | 3257S 06057W                            | 47.5         | 72.9         | GGGG                               |                     |                      | 243                     | 83                     |
| 2646-13010        | 00000/0000                           | 2-20035/0188     | 10/29/76         | 40             | 9005            | 3423S 06123W                            | 46.8         | 71.7         | GGGG                               |                     |                      | 243                     | 84                     |

## KEYS:

CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS AND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2646-13022        | 00000/0000                                     | 2-20035/0189     | 10/29/76       | 90              | 9005                               | 3838S                               | 06245W       | 44.6         | 68.6                               | GGGG                |                      | 243                     | 87                     |
| 2646-13024        | 00000/0000                                     | 2-20035/0190     | 10/29/76       | 80              | 9005                               | 4004S                               | 06314W       | 43.8         | 67.6                               | FFFF                |                      | 243                     | 88                     |
| 2646-14192        | 00000/0000                                     | 2-20035/0276     | 10/29/76       | 90              | 9006                               | 5130N                               | 06319W       | 21.5         | 154.5                              | GGGG                |                      | 10                      | 24                     |
| 2646-14194        | 00000/0000                                     | 2-20035/0277     | 10/29/76       | 100             | 9006                               | 5005N                               | 06359W       | 22.6         | 153.7                              | GGGG                |                      | 10                      | 25                     |
| 2646-14201        | 00000/0000                                     | 2-20035/0278     | 10/29/76       | 90              | 9006                               | 4841N                               | 06436W       | 23.7         | 152.9                              | GGGG                |                      | 10                      | 26                     |
| 2646-14221        | 00000/0000                                     | 2-20035/0279     | 10/29/76       | 30              | 9006                               | 4137N                               | 06724W       | 29.1         | 148.8                              | GGGG                |                      | 10                      | 31                     |
| 2646-14224        | 00000/0000                                     | 2-20035/0280     | 10/29/76       | 50              | 9006                               | 4011N                               | 06755W       | 30.2         | 148.0                              | GGGG                |                      | 10                      | 32                     |
| 2646-14230        | 00000/0000                                     | 2-20035/0281     | 10/29/76       | 60              | 9006                               | 3846N                               | 06824W       | 31.2         | 147.2                              | GGGG                |                      | 10                      | 33                     |
| 2646-16030        | 00000/0000                                     | 2-20035/0282     | 10/29/76       | 90              | 9007                               | 5006N                               | 08948W       | 22.6         | 153.7                              | FGGG                |                      | 28                      | 25                     |
| 2646-16103        | 00000/0000                                     | 2-20035/0282     | 10/29/76       | 100             | 9007                               | 2429N                               | 09823W       | 40.9         | 137.5                              | GGGG                |                      | 28                      | 43                     |
| 2646-23172        | 00000/0000                                     | 2-20035/0191     | 10/29/76       | 60              | 9011                               | 2257S                               | 14653E       | 51.4         | 83.3                               | GGGG                |                      | 100                     | 76                     |
| 2646-23204        | 00000/0000                                     | 2-20035/0192     | 10/29/76       | 10              | 9011                               | 3422S                               | 14344E       | 46.9         | 71.9                               | GGGG                |                      | 100                     | 84                     |
| 2646-23210        | 00000/0000                                     | 2-20035/0193     | 10/29/76       | 0               | 9011                               | 3548S                               | 14317E       | 46.2         | 70.8                               | GGGG                |                      | 100                     | 85                     |
| 2646-23213        | 00000/0000                                     | 2-20035/0194     | 10/29/76       | 10              | 9011                               | 3713S                               | 14250E       | 45.4         | 69.7                               | GGGG                |                      | 100                     | 86                     |
| 2647-01024        | 00000/0000                                     | 2-20035/0203     | 10/30/76       | 30              | 9012                               | 3007S                               | 11909E       | 48.9         | 75.7                               | GGGG                |                      | 118                     | 81                     |
| 2647-01030        | 00000/0000                                     | 2-20035/0204     | 10/30/76       | 10              | 9012                               | 3132S                               | 11844E       | 48.3         | 74.4                               | GGGG                |                      | 118                     | 82                     |
| 2647-01033        | 00000/0000                                     | 2-20035/0205     | 10/30/76       | 20              | 9012                               | 3257S                               | 11819E       | 47.6         | 73.1                               | GGGG                |                      | 118                     | 83                     |
| 2647-01035        | 00000/0000                                     | 2-20035/0206     | 10/30/76       | 50              | 9012                               | 3423S                               | 11753E       | 46.9         | 71.9                               | GGGG                |                      | 118                     | 84                     |
| 2647-02253        | 00000/0000                                     | 2-20035/0417     | 10/30/76       | 0               | 9013                               | 4012N                               | 11122E       | 30.0         | 148.1                              | GGGG                |                      | 136                     | 32                     |
| 2647-02255        | 00000/0000                                     | 2-20035/0418     | 10/30/76       | 0               | 9013                               | 3847N                               | 11052E       | 31.1         | 147.3                              | GGGG                |                      | 136                     | 33                     |
| 2647-02262        | 00000/0000                                     | 2-20035/0419     | 10/30/76       | 0               | 9013                               | 3721N                               | 11024E       | 32.1         | 146.4                              | GGGG                |                      | 136                     | 34                     |
| 2647-02264        | 00000/0000                                     | 2-20035/0291     | 10/30/76       | 0               | 9013                               | 3555N                               | 10957E       | 33.1         | 145.5                              | GGFG                |                      | 136                     | 35                     |
| 2647-02271        | 00000/0000                                     | 2-20035/0292     | 10/30/76       | 10              | 9013                               | 3439N                               | 10931E       | 34.2         | 144.6                              | FGGG                |                      | 136                     | 36                     |
| 2647-02273        | 00000/0000                                     | 2-20035/0293     | 10/30/76       | 20              | 9013                               | 3303N                               | 10905E       | 35.1         | 143.7                              | FGGG                |                      | 136                     | 37                     |
| 2647-02280        | 00000/0000                                     | 2-20035/0294     | 10/30/76       | 10              | 9013                               | 3138N                               | 10840E       | 36.1         | 142.8                              | GGGG                |                      | 136                     | 38                     |
| 2647-02282        | 00000/0000                                     | 2-20035/0295     | 10/30/76       | 60              | 9013                               | 3012N                               | 10815E       | 37.1         | 141.8                              | GGGG                |                      | 136                     | 39                     |
| 2647-02285        | 00000/0000                                     | 2-20035/0296     | 10/30/76       | 70              | 9013                               | 2846N                               | 10751E       | 38.1         | 140.8                              | GGGG                |                      | 136                     | 40                     |
| 2647-02291        | 00000/0000                                     | 2-20035/0297     | 10/30/76       | 90              | 9013                               | 2720N                               | 10727E       | 39.0         | 139.8                              | GGGG                |                      | 136                     | 41                     |
| 2647-02294        | 00000/0000                                     | 2-20035/0298     | 10/30/76       | 80              | 9013                               | 2554N                               | 10703E       | 39.9         | 138.8                              | GGGG                |                      | 136                     | 42                     |
| 2647-04073        | 00000/0000                                     | 2-20035/0299     | 10/30/76       | 10              | 9014                               | 4426N                               | 08707E       | 26.8         | 150.5                              | FGGG                |                      | 154                     | 29                     |
| 2647-04080        | 00000/0000                                     | 2-20035/0300     | 10/30/76       | 0               | 9014                               | 4302N                               | 08634E       | 27.9         | 149.7                              | GGGG                |                      | 154                     | 30                     |
| 2647-04082        | 00000/0000                                     | 2-20035/0301     | 10/30/76       | 0               | 9014                               | 4137N                               | 08603E       | 29.0         | 148.9                              | GGGG                |                      | 154                     | 31                     |
| 2647-04123        | 00000/0000                                     | 2-20035/0302     | 10/30/76       | 10              | 9014                               | 2720N                               | 08138E       | 39.0         | 139.8                              | GGGG                |                      | 154                     | 41                     |
| 2647-04130        | 00000/0000                                     | 2-20035/0303     | 10/30/76       | 0               | 9014                               | 2554N                               | 08115E       | 39.9         | 138.8                              | GGGG                |                      | 154                     | 42                     |
| 2647-04132        | 00000/0000                                     | 2-20035/0304     | 10/30/76       | 0               | 9014                               | 2428N                               | 08052E       | 40.8         | 137.7                              | FGGG                |                      | 154                     | 43                     |
| 2647-04135        | 00000/0000                                     | 2-20035/0305     | 10/30/76       | 0               | 9014                               | 2302N                               | 08030E       | 41.7         | 136.6                              | FGGG                |                      | 154                     | 44                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, RAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RAW | ROLL NO./<br>POSITION IN<br>ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RAW<br>NUMBER |
|-------------------|------------------------------|-----------------------------------------|------------------|----------------|---------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2647-04141        | 00000/0000                   | 2-20035/0306                            | 10/30/76         | 0              | 9014          | 2136N                              | 08008E                              | 42.6         | 135.4        | GGGF                               |                     |                      | 154                     | 45                     |
| 2647-04144        | 00000/0000                   | 2-20035/0307                            | 10/30/76         | 0              | 9014          | 2009N                              | 07946E                              | 43.4         | 134.2        | FGFG                               |                     |                      | 154                     | 46                     |
| 2647-04150        | 00000/0000                   | 2-20035/0308                            | 10/30/76         | 10             | 9014          | 1843N                              | 07925E                              | 44.2         | 133.0        | GGGG                               |                     |                      | 154                     | 47                     |
| 2647-04153        | 00000/0000                   | 2-20035/0309                            | 10/30/76         | 10             | 9014          | 1717N                              | 07903E                              | 45.0         | 131.7        | GGGG                               |                     |                      | 154                     | 48                     |
| 2647-04155        | 00000/0000                   | 2-20035/0310                            | 10/30/76         | 20             | 9014          | 1550N                              | 07842E                              | 45.8         | 130.3        | GGGG                               |                     |                      | 154                     | 49                     |
| 2647-04173        | 00000/0000                   | 2-20035/0311                            | 10/30/76         | 10             | 9014          | 1006N                              | 07719E                              | 48.5         | 124.6        | GGGG                               |                     |                      | 154                     | 53                     |
| 2647-05525        | 00000/0000                   | 2-20035/0403                            | 10/30/76         | 100            | 9015          | 3719N                              | 05845E                              | 32.1         | 146.4        | GG                                 |                     |                      | 172                     | 34                     |
| 2647-05552        | 00000/0000                   | 2-20035/0404                            | 10/30/76         | 20             | 9015          | 2846N                              | 05611E                              | 38.0         | 140.9        | GGGG                               |                     |                      | 172                     | 40                     |
| 2647-07302        | 00000/0000                   | 2-20035/0338                            | 10/30/76         | 70             | 9016          | 5705N                              | 04140E                              | 16.8         | 158.0        | GGGG                               |                     |                      | 190                     | 20                     |
| 2647-07304        | 00000/0000                   | 2-20035/0339                            | 10/30/76         | 70             | 9016          | 5542N                              | 04049E                              | 18.0         | 157.1        | GGGF                               |                     |                      | 190                     | 21                     |
| 2647-07311        | 00000/0000                   | 2-20035/0340                            | 10/30/76         | 20             | 9016          | 5418N                              | 04002E                              | 19.1         | 156.2        | GGGG                               |                     |                      | 190                     | 22                     |
| 2647-07313        | 00000/0000                   | 2-20035/0341                            | 10/30/76         | 10             | 9016          | 5254N                              | 03916E                              | 20.2         | 155.4        | GGGG                               |                     |                      | 190                     | 23                     |
| 2647-07320        | 00000/0000                   | 2-20035/0342                            | 10/30/76         | 10             | 9016          | 5130N                              | 03833E                              | 21.3         | 154.6        | GGGG                               |                     |                      | 190                     | 24                     |
| 2647-07322        | 00000/0000                   | 2-20035/0343                            | 10/30/76         | 0              | 9016          | 5005N                              | 03752E                              | 22.4         | 153.7        | GGGG                               |                     |                      | 190                     | 25                     |
| 2647-07325        | 00000/0000                   | 2-20035/0344                            | 10/30/76         | 10             | 9016          | 4841N                              | 03713E                              | 23.5         | 152.9        | FGGG                               |                     |                      | 190                     | 26                     |
| 2647-07331        | 00000/0000                   | 2-20035/0324                            | 10/30/76         | 0              | 9016          | 4716N                              | 03636E                              | 24.6         | 152.1        | FGGG                               |                     |                      | 190                     | 27                     |
| 2647-07334        | 00000/0000                   | 2-20035/0325                            | 10/30/76         | 0              | 9016          | 4551N                              | 03601E                              | 25.7         | 151.3        | FGGF                               |                     |                      | 190                     | 28                     |
| 2647-07340        | 00000/0000                   | 2-20035/0326                            | 10/30/76         | 10             | 9016          | 4426N                              | 03528E                              | 26.8         | 150.6        | FFFF                               |                     |                      | 190                     | 29                     |
| 2647-13050        | 00000/0000                   | 2-20035/0327                            | 10/30/76         | 40             | 9019          | 2840S                              | 06108W                              | 49.5         | 77.4         | FFFF                               |                     |                      | 244                     | 00                     |
| 2647-13053        | 00000/0000                   | 2-20035/0328                            | 10/30/76         | 90             | 9019          | 3005S                              | 06132W                              | 49.0         | 76.0         | GGGG                               |                     |                      | 244                     | 81                     |
| 2647-13055        | 00000/0000                   | 2-20035/0329                            | 10/30/76         | 90             | 9019          | 3130S                              | 06157W                              | 48.3         | 74.6         | FFFF                               |                     |                      | 244                     | 82                     |
| 2647-13062        | 00000/0000                   | 2-20035/0330                            | 10/30/76         | 90             | 9019          | 3256S                              | 06222W                              | 47.7         | 73.3         | GGGG                               |                     |                      | 244                     | 83                     |
| 2647-13064        | 00000/0000                   | 2-20035/0331                            | 10/30/76         | 100            | 9019          | 3422S                              | 06248W                              | 47.0         | 72.1         | GGGG                               |                     |                      | 244                     | 84                     |
| 2647-13071        | 00000/0000                   | 2-20035/0332                            | 10/30/76         | 100            | 9019          | 3548S                              | 06314W                              | 46.3         | 71.0         | FFFF                               |                     |                      | 244                     | 85                     |
| 2647-13073        | 00000/0000                   | 2-20035/0333                            | 10/30/76         | 100            | 9019          | 3713S                              | 06342W                              | 45.6         | 69.9         | FFFF                               |                     |                      | 244                     | 86                     |
| 2647-13080        | 00000/0000                   | 2-20035/0334                            | 10/30/76         | 50             | 9019          | 3837S                              | 06410W                              | 44.8         | 68.9         | GGGG                               |                     |                      | 244                     | 87                     |
| 2647-14253        | 00000/0000                   | 2-20035/0313                            | 10/30/76         | 40             | 9020          | 5007N                              | 06524W                              | 22.3         | 153.8        | GGGG                               |                     |                      | 11                      | 25                     |
| 2647-14255        | 00000/0000                   | 2-20035/0314                            | 10/30/76         | 20             | 9020          | 4842N                              | 06602W                              | 23.4         | 153.0        | GGGG                               |                     |                      | 11                      | 26                     |
| 2647-14285        | 00000/0000                   | 2-20035/0315                            | 10/30/76         | 10             | 9020          | 3846N                              | 06951W                              | 30.9         | 147.3        | GGFG                               |                     |                      | 11                      | 33                     |
| 2647-14291        | 00000/0000                   | 2-20035/0316                            | 10/30/76         | 20             | 9020          | 3721N                              | 07019W                              | 32.0         | 146.5        | GGGG                               |                     |                      | 11                      | 34                     |
| 2647-14294        | 00000/0000                   | 2-20035/0317                            | 10/30/76         | 20             | 9020          | 3555N                              | 07046W                              | 33.0         | 145.6        | GGGG                               |                     |                      | 11                      | 35                     |
| 2647-14300        | 00000/0000                   | 2-20035/0318                            | 10/30/76         | 10             | 9020          | 3430N                              | 07112W                              | 34.0         | 144.7        | GGGG                               |                     |                      | 11                      | 36                     |
| 2647-16082        | 00000/0000                   | 2-20035/0319                            | 10/30/76         | 10             | 9021          | 5129N                              | 09034W                              | 21.2         | 154.6        | GGGG                               |                     |                      | 29                      | 24                     |
| 2647-16084        | 00000/0000                   | 2-20035/0320                            | 10/30/76         | 50             | 9021          | 5056N                              | 09114W                              | 22.3         | 153.8        | GGGG                               |                     |                      | 29                      | 25                     |
| 2647-16161        | 00000/0000                   | 2-20035/0312                            | 10/30/76         | 10             | 9021          | 2429N                              | 09951W                              | 40.7         | 137.8        | GGGG                               |                     |                      | 29                      | 43                     |
| 2647-23262        | 00000/0000                   | 2-20035/0335                            | 10/30/76         | 90             | 9025          | 3422S                              | 14217E                              | 47.1         | 72.3         | GGGF                               |                     |                      | 101                     | 84                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|--------------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2647-23264        | 00000/0000                   | 2-20035/0336                | 10/30/76         | 90             | 9025                   | 3547S                                      | 14151E       | 46.4         | 71.2                               | GGGG                |                      |                         |                        |
| 2647-23271        | 00000/0000                   | 2-20035/0337                | 10/30/76         | 20             | 9025                   | 3712S                                      | 14124E       | 45.6         | 70.1                               | FFFF                |                      | 101                     | 85                     |
| 2648-01082        | 00000/0000                   | 2-20035/0345                | 10/31/76         | 40             | 9026                   | 3006S                                      | 11745E       | 49.0         | 76.2                               | GGGG                |                      | 101                     | 86                     |
| 2648-01085        | 00000/0000                   | 2-20035/0346                | 10/31/76         | 80             | 9026                   | 3131S                                      | 11720E       | 48.4         | 74.8                               | GGGG                |                      | 119                     | 81                     |
| 2648-01091        | 00000/0000                   | 2-20035/0347                | 10/31/76         | 60             | 9026                   | 3256S                                      | 11655E       | 47.8         | 73.5                               | GGGG                |                      | 119                     | 82                     |
| 2648-02332        | 00000/0000                   | 2-20035/0348                | 10/31/76         | 80             | 9027                   | 3304N                                      | 10739E       | 34.9         | 143.9                              | GGGG                |                      | 119                     | 83                     |
| 2648-02334        | 00000/0000                   | 2-20035/0349                | 10/31/76         | 90             | 9027                   | 3138N                                      | 10714E       | 35.9         | 143.0                              | GGGG                |                      | 137                     | 37                     |
| 2648-02341        | 00000/0000                   | 2-20035/0350                | 10/31/76         | 70             | 9027                   | 3011N                                      | 10650E       | 36.8         | 142.1                              | GGGG                |                      | 137                     | 38                     |
| 2648-02343        | 00000/0000                   | 2-20035/0351                | 10/31/76         | 30             | 9027                   | 2846N                                      | 10626E       | 37.8         | 141.1                              | GGGG                |                      | 137                     | 39                     |
| 2648-02350        | 00000/0000                   | 2-20035/0352                | 10/31/76         | 50             | 9027                   | 2720N                                      | 10602E       | 38.7         | 140.1                              | GGGG                |                      | 137                     | 40                     |
| 2648-02352        | 00000/0000                   | 2-20035/0353                | 10/31/76         | 60             | 9027                   | 2554N                                      | 10539E       | 39.7         | 139.0                              | GGGG                |                      | 137                     | 41                     |
| 2648-04122        | 00000/0000                   | 2-20035/0405                | 10/31/76         | 100            | 9028                   | 4716N                                      | 08648E       | 24.3         | 152.3                              | GGGG                |                      | 137                     | 42                     |
| 2648-04125        | 00000/0000                   | 2-20035/0406                | 10/31/76         | 100            | 9028                   | 4551N                                      | 08613E       | 25.4         | 151.5                              | GGGG                |                      | 155                     | 27                     |
| 2648-04131        | 00000/0000                   | 2-20035/0407                | 10/31/76         | 90             | 9028                   | 4426N                                      | 08540E       | 26.5         | 150.7                              | GGGG                |                      | 155                     | 28                     |
| 2648-04131        | 00000/0000                   | 2-20035/0408                | 10/31/76         | 0              | 9028                   | 2720N                                      | 08011E       | 38.7         | 140.1                              | GGGG                |                      | 155                     | 29                     |
| 2648-04134        | 00000/0000                   | 2-20035/0409                | 10/31/76         | 0              | 9028                   | 2553N                                      | 07948E       | 39.6         | 139.0                              | GGGG                |                      | 155                     | 41                     |
| 2648-04190        | 00000/0000                   | 2-20035/0410                | 10/31/76         | 0              | 9028                   | 2429N                                      | 07925E       | 40.6         | 138.0                              | GGGG                |                      | 155                     | 42                     |
| 2648-04193        | 00000/0000                   | 2-20035/0411                | 10/31/76         | 0              | 9028                   | 2303N                                      | 07903E       | 41.4         | 136.8                              | GGGG                |                      | 155                     | 43                     |
| 2648-04195        | 00000/0000                   | 2-20035/0412                | 10/31/76         | 0              | 9028                   | 2137N                                      | 07840E       | 42.3         | 135.7                              | GGGG                |                      | 155                     | 44                     |
| 2648-04202        | 00000/0000                   | 2-20035/0413                | 10/31/76         | 0              | 9028                   | 2010N                                      | 07819E       | 43.2         | 134.5                              | GGGG                |                      | 155                     | 45                     |
| 2648-04204        | 00000/0000                   | 2-20035/0414                | 10/31/76         | 0              | 9028                   | 1844N                                      | 07757E       | 44.0         | 133.3                              | GGGG                |                      | 155                     | 46                     |
| 2648-04211        | 00000/0000                   | 2-20035/0415                | 10/31/76         | 0              | 9028                   | 1717N                                      | 07736E       | 44.8         | 132.0                              | GGGG                |                      | 155                     | 47                     |
| 2648-04213        | 00000/0000                   | 2-20035/0416                | 10/31/76         | 10             | 9028                   | 1551N                                      | 07715E       | 45.5         | 130.7                              | GGGG                |                      | 155                     | 48                     |
| 2648-04220        | 00000/0000                   | 2-20035/0370                | 10/31/76         | 10             | 9028                   | 1425N                                      | 07654E       | 46.3         | 129.3                              | GGGG                |                      | 155                     | 49                     |
| 2648-04222        | 00000/0000                   | 2-20035/0371                | 10/31/76         | 10             | 9028                   | 1258N                                      | 07633E       | 47.0         | 127.9                              | GGGG                |                      | 155                     | 50                     |
| 2648-04225        | 00000/0000                   | 2-20035/0372                | 10/31/76         | 20             | 9028                   | 1132N                                      | 07613E       | 47.7         | 126.5                              | GGGG                |                      | 155                     | 51                     |
| 2648-07360        | 00000/0000                   | 2-20035/0360                | 10/31/76         | 100            | 9030                   | 5705N                                      | 04009E       | 16.5         | 158.1                              | GGGG                |                      | 155                     | 52                     |
| 2648-07362        | 00000/0000                   | 2-20035/0361                | 10/31/76         | 100            | 9030                   | 5541N                                      | 03919E       | 17.6         | 157.2                              | GGGG                |                      | 191                     | 20                     |
| 2648-07365        | 00000/0000                   | 2-20035/0362                | 10/31/76         | 100            | 9030                   | 5417N                                      | 03831E       | 18.8         | 156.3                              | GGGG                |                      | 191                     | 21                     |
| 2648-07371        | 00000/0000                   | 2-20035/0363                | 10/31/76         | 90             | 9030                   | 5254N                                      | 03747E       | 19.9         | 155.5                              | GGGG                |                      | 191                     | 22                     |
| 2648-07374        | 00000/0000                   | 2-20035/0364                | 10/31/76         | 90             | 9030                   | 5130N                                      | 03705E       | 21.0         | 154.7                              | GGGG                |                      | 191                     | 23                     |
| 2648-07380        | 00000/0000                   | 2-20035/0365                | 10/31/76         | 90             | 9030                   | 5006N                                      | 03626E       | 22.1         | 153.9                              | GGGG                |                      | 191                     | 24                     |
| 2648-07385        | 00000/0000                   | 2-20035/0366                | 10/31/76         | 100            | 9030                   | 4717N                                      | 03511E       | 24.3         | 152.3                              | GGGG                |                      | 191                     | 25                     |
| 2648-07392        | 00000/0000                   | 2-20035/0367                | 10/31/76         | 90             | 9030                   | 4552N                                      | 03436E       | 25.4         | 151.5                              | GGGG                |                      | 191                     | 26                     |
| 2648-07394        | 00000/0000                   | 2-20035/0368                | 10/31/76         | 90             | 9030                   | 4427N                                      | 03402E       | 26.5         | 150.7                              | GGGG                |                      | 191                     | 27                     |
| 2648-14304        | 00000/0000                   | 2-20035/0354                | 10/31/76         | 80             | 9034                   | 5131N                                      | 06612W       | 20.9         | 154.7                              | GGGG                |                      | 12                      | 24                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | WICH9FILM<br>POSITION IN RBLI<br>RBV | RAII NR./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBLI<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|-------------------------|
| 2648-14311        | 00000/0000                           | 2-20035/0355     | 10/31/76         | 80             | 9034            | 5006N                        | 06652W        | 22.0         | 153.9        | GGGF                               |                     |                      | 12                      | 25                      |
| 2648-14313        | 00000/0000                           | 2-20035/0356     | 10/31/76         | 80             | 9034            | 4842N                        | 06730W        | 23.1         | 153.1        | GGGG                               |                     |                      | 12                      | 26                      |
| 2648-14354        | 00000/0000                           | 2-20035/0357     | 10/31/76         | 60             | 9034            | 3430N                        | 07237W        | 33.7         | 144.9        | GGGG                               |                     |                      | 12                      | 36                      |
| 2648-14361        | 00000/0000                           | 2-20035/0358     | 10/31/76         | 70             | 9034            | 3305N                        | 07303W        | 34.7         | 144.0        | GGGG                               |                     |                      | 12                      | 37                      |
| 2648-14363        | 00000/0000                           | 2-20035/0359     | 10/31/76         | 70             | 9034            | 3139N                        | 07329W        | 35.7         | 143.1        | GGGG                               |                     |                      | 12                      | 38                      |
| 2648-16142        | 00000/0000                           | 2-20035/0369     | 10/31/76         | 40             | 9035            | 5005N                        | 09240W        | 22.0         | 153.9        | GGGG                               |                     |                      | 30                      | 25                      |
| 2648-23320        | 00000/0000                           | 2-20035/0373     | 10/31/76         | 60             | 9039            | 3421S                        | 14051E        | 47.3         | 72.7         | GGGG                               |                     |                      | 102                     | 84                      |
| 2648-23323        | 00000/0000                           | 2-20035/0374     | 10/31/76         | 80             | 9039            | 3546S                        | 14025E        | 46.6         | 71.5         | GGGG                               |                     |                      | 102                     | 85                      |
| 2649-01134        | 00000/0000                           | 2-20035/0375     | 11/01/76         | 0              | 9040            | 2840S                        | 11642E        | 49.8         | 78.0         | GGGG                               |                     |                      | 120                     | 80                      |
| 2649-01140        | 00000/0000                           | 2-20035/0376     | 11/01/76         | 0              | 9040            | 3006S                        | 11618E        | 49.2         | 76.6         | GGGG                               |                     |                      | 120                     | 81                      |
| 2649-01143        | 00000/0000                           | 2-20035/0377     | 11/01/76         | 20             | 9040            | 3131S                        | 11553E        | 48.6         | 75.2         | GGGG                               |                     |                      | 120                     | 82                      |
| 2649-02383        | 00000/0000                           | 2-20035/0378     | 11/01/76         | 70             | 9041            | 3430N                        | 10638E        | 33.6         | 145.0        | GGGG                               |                     |                      | 138                     | 36                      |
| 2649-02390        | 00000/0000                           | 2-20035/0379     | 11/01/76         | 90             | 9041            | 3304N                        | 10613E        | 34.6         | 144.1        | GGGG                               |                     |                      | 138                     | 37                      |
| 2649-02392        | 00000/0000                           | 2-20035/0380     | 11/01/76         | 100            | 9041            | 3138N                        | 10548E        | 35.6         | 143.2        | GGGG                               |                     |                      | 138                     | 38                      |
| 2649-02395        | 00000/0000                           | 2-20035/0381     | 11/01/76         | 80             | 9041            | 3013N                        | 10523E        | 36.6         | 142.3        | GGGG                               |                     |                      | 138                     | 39                      |
| 2649-02401        | 00000/0000                           | 2-20035/0382     | 11/01/76         | 80             | 9041            | 2847N                        | 10458E        | 37.5         | 141.3        | GGGG                               |                     |                      | 138                     | 40                      |
| 2649-02404        | 00000/0000                           | 2-20035/0383     | 11/01/76         | 60             | 9041            | 2720N                        | 10435E        | 38.5         | 140.3        | GGGG                               |                     |                      | 138                     | 41                      |
| 2649-02410        | 00000/0000                           | 2-20035/0384     | 11/01/76         | 80             | 9041            | 2554N                        | 10411E        | 39.4         | 139.3        | GGGG                               |                     |                      | 138                     | 42                      |
| 2649-02413        | 00000/0000                           | 2-20035/0385     | 11/01/76         | 90             | 9041            | 2428N                        | 10349E        | 40.3         | 138.2        | GGGG                               |                     |                      | 138                     | 43                      |
| 2649-02415        | 00000/0000                           | 2-20035/0386     | 11/01/76         | 90             | 9041            | 2303N                        | 10324E        | 41.2         | 137.1        | GGGG                               |                     |                      | 138                     | 44                      |
| 2649-04180        | 00000/0000                           | 2-20035/0387     | 11/01/76         | 40             | 9042            | 4716N                        | 08522E        | 24.0         | 152.4        | GGGG                               |                     |                      | 156                     | 27                      |
| 2649-04183        | 00000/0000                           | 2-20035/0388     | 11/01/76         | 80             | 9042            | 4551N                        | 08447E        | 25.1         | 151.6        | GGGG                               |                     |                      | 156                     | 28                      |
| 2649-04185        | 00000/0000                           | 2-20035/0389     | 11/01/76         | 80             | 9042            | 4427N                        | 08413E        | 26.2         | 150.8        | GGGG                               |                     |                      | 156                     | 29                      |
| 2649-04192        | 00000/0000                           | 2-20035/0390     | 11/01/76         | 60             | 9042            | 4302N                        | 08341E        | 27.3         | 150.0        | GGGG                               |                     |                      | 156                     | 30                      |
| 2649-04194        | 00000/0000                           | 2-20035/0391     | 11/01/76         | 70             | 9042            | 4177N                        | 08309E        | 28.4         | 149.2        | GGGG                               |                     |                      | 156                     | 31                      |
| 2649-04233        | 00000/0000                           | 2-20035/0392     | 11/01/76         | 0              | 9042            | 2846N                        | 07908E        | 37.5         | 141.3        | PPGG                               |                     |                      | 156                     | 40                      |
| 2649-04235        | 00000/0000                           | 2-20035/0393     | 11/01/76         | 0              | 9042            | 2720N                        | 07844E        | 38.5         | 140.3        | GGGG                               |                     |                      | 156                     | 41                      |
| 2649-04242        | 00000/0000                           | 2-20035/0394     | 11/01/76         | 0              | 9042            | 2554N                        | 07821E        | 39.4         | 139.3        | GGGG                               |                     |                      | 156                     | 42                      |
| 2649-04244        | 00000/0000                           | 2-20035/0395     | 11/01/76         | 0              | 9042            | 2428N                        | 07756E        | 40.3         | 138.2        | GGGG                               |                     |                      | 156                     | 43                      |
| 2649-04251        | 00000/0000                           | 2-20035/0396     | 11/01/76         | 0              | 9042            | 2302N                        | 07736E        | 41.2         | 137.1        | FGGG                               |                     |                      | 156                     | 44                      |
| 2649-04253        | 00000/0000                           | 2-20035/0397     | 11/01/76         | 0              | 9042            | 2136N                        | 07714E        | 42.1         | 136.0        | GGGG                               |                     |                      | 156                     | 45                      |
| 2649-04260        | 00000/0000                           | 2-20035/0398     | 11/01/76         | 0              | 9042            | 2010N                        | 07657E        | 42.9         | 134.8        | GGGG                               |                     |                      | 156                     | 46                      |
| 2649-04262        | 00000/0000                           | 2-20035/0399     | 11/01/76         | 0              | 9042            | 1844N                        | 07630E        | 43.7         | 133.6        | GGGG                               |                     |                      | 156                     | 47                      |
| 2649-04265        | 00000/0000                           | 2-20035/0400     | 11/01/76         | 10             | 9042            | 1717N                        | 07609E        | 44.6         | 132.3        | GGGG                               |                     |                      | 156                     | 48                      |
| 2649-04271        | 00000/0000                           | 2-20035/0401     | 11/01/76         | 10             | 9042            | 1551N                        | 07548E        | 45.3         | 131.0        | GGGG                               |                     |                      | 156                     | 49                      |
| 2649-04274        | 00000/0000                           | 2-20035/0402     | 11/01/76         | 10             | 9042            | 1425N                        | 07527E        | 46.1         | 129.7        | GGGG                               |                     |                      | 156                     | 50                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RSV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2649-07414        | 00000/0000                   | 2-20035/0451                | 11/01/76         | 100            | 9044            | 5704N                        | 03842E        | 16.2         | 158.1        | GGGG                               |                     |                      | 192                     | 20                     |
| 2649-07421        | 00000/0000                   | 2-20035/0452                | 11/01/76         | 100            | 9044            | 5541N                        | 03752E        | 17.3         | 157.3        | GGGG                               |                     |                      | 192                     | 21                     |
| 2649-07423        | 00000/0000                   | 2-20035/0453                | 11/01/76         | 100            | 9044            | 5417N                        | 03706E        | 18.4         | 156.4        | GGGG                               |                     |                      | 192                     | 22                     |
| 2649-07430        | 00000/0000                   | 2-20035/0454                | 11/01/76         | 100            | 9044            | 5254N                        | 03622E        | 19.6         | 155.6        | GGGG                               |                     |                      | 192                     | 23                     |
| 2649-07432        | 00000/0000                   | 2-20035/0455                | 11/01/76         | 100            | 9044            | 5130N                        | 03540E        | 20.7         | 154.8        | GGGG                               |                     |                      | 192                     | 24                     |
| 2649-07435        | 00000/0000                   | 2-20035/0456                | 11/01/76         | 80             | 9044            | 5006N                        | 03459E        | 21.8         | 154.0        | GGGG                               |                     |                      | 192                     | 25                     |
| 2649-07441        | 00000/0000                   | 2-20035/0457                | 11/01/76         | 50             | 9044            | 4842N                        | 03421E        | 22.9         | 153.2        | GGGG                               |                     |                      | 192                     | 26                     |
| 2649-07444        | 00000/0000                   | 2-20035/0458                | 11/01/76         | 80             | 9044            | 4717N                        | 03344E        | 24.0         | 152.4        | GGGG                               |                     |                      | 192                     | 27                     |
| 2649-13181        | 00000/0000                   | 2-20035/0459                | 11/01/76         | 10             | 9047            | 3423S                        | 06541W        | 47.4         | 72.9         | GGGG                               |                     |                      | 246                     | 84                     |
| 2649-14362        | 00000/0000                   | 2-20035/0420                | 11/01/76         | 70             | 9048            | 5130N                        | 06736W        | 20.6         | 154.8        | GGGG                               |                     |                      | 13                      | 24                     |
| 2649-14365        | 00000/0000                   | 2-20035/0421                | 11/01/76         | 90             | 9048            | 5006N                        | 06817W        | 21.7         | 154.0        | GGGG                               |                     |                      | 13                      | 25                     |
| 2649-14371        | 00000/0000                   | 2-20035/0422                | 11/01/76         | 90             | 9048            | 4841N                        | 06855W        | 22.8         | 153.2        | GGG                                |                     |                      | 13                      | 26                     |
| 2649-14424        | 00000/0000                   | 2-20035/0423                | 11/01/76         | 60             | 9048            | 3013N                        | 07520W        | 36.4         | 142.4        | GGGG                               |                     |                      | 13                      | 39                     |
| 2649-14430        | 00000/0000                   | 2-20035/0424                | 11/01/76         | 90             | 9048            | 2847N                        | 07544W        | 37.4         | 141.4        | GGGG                               |                     |                      | 13                      | 40                     |
| 2649-14433        | 00000/0000                   | 2-20035/0425                | 11/01/76         | 70             | 9048            | 2721N                        | 07608W        | 38.3         | 140.4        | GGGG                               |                     |                      | 13                      | 41                     |
| 2649-16194        | 00000/0000                   | 2-20035/0450                | 11/01/76         | 30             | 9049            | 5130N                        | 09326W        | 20.6         | 154.8        | GGGG                               |                     |                      | 31                      | 24                     |
| 2649-23374        | 00000/0000                   | 2-20035/0426                | 11/01/76         | 70             | 9053            | 3422S                        | 13925E        | 47.5         | 73.1         | PFGG                               |                     |                      | 103                     | 84                     |
| 2650-01192        | 00000/0000                   | 2-20035/0427                | 11/02/76         | 0              | 9054            | 2841S                        | 11517E        | 49.9         | 78.5         | GGGG                               |                     |                      | 121                     | 80                     |
| 2650-01194        | 00000/0000                   | 2-20035/0428                | 11/02/76         | 0              | 9054            | 3006S                        | 11453E        | 49.4         | 77.0         | GGGG                               |                     |                      | 121                     | 81                     |
| 2650-02430        | 00000/0000                   | 2-20035/0460                | 11/02/76         | 20             | 9055            | 3846N                        | 10635E        | 30.2         | 147.7        | GGGG                               |                     |                      | 139                     | 33                     |
| 2650-02433        | 00000/0000                   | 2-20035/0461                | 11/02/76         | 40             | 9055            | 3721N                        | 10607E        | 31.2         | 146.9        | GGGG                               |                     |                      | 139                     | 34                     |
| 2650-02435        | 00000/0000                   | 2-20035/0462                | 11/02/76         | 100            | 9055            | 3556N                        | 10540E        | 32.3         | 146.1        | GGGG                               |                     |                      | 139                     | 35                     |
| 2650-02442        | 00000/0000                   | 2-20035/0463                | 11/02/76         | 100            | 9055            | 3430N                        | 10513E        | 33.3         | 145.2        | GGGG                               |                     |                      | 139                     | 36                     |
| 2650-02444        | 00000/0000                   | 2-20035/0464                | 11/02/76         | 90             | 9055            | 3305N                        | 10447E        | 34.3         | 144.3        | GGGG                               |                     |                      | 139                     | 37                     |
| 2650-02451        | 00000/0000                   | 2-20035/0429                | 11/02/76         | 90             | 9055            | 3139N                        | 10421E        | 35.3         | 143.4        | GGGG                               |                     |                      | 139                     | 38                     |
| 2650-02453        | 00000/0000                   | 2-20035/0430                | 11/02/76         | 100            | 9055            | 3013N                        | 10357E        | 36.3         | 142.5        | GGGG                               |                     |                      | 139                     | 39                     |
| 2650-02460        | 00000/0000                   | 2-20035/0431                | 11/02/76         | 80             | 9055            | 2848N                        | 10334E        | 37.3         | 141.5        | GGGG                               |                     |                      | 139                     | 40                     |
| 2650-02462        | 00000/0000                   | 2-20035/0432                | 11/02/76         | 30             | 9055            | 2722N                        | 10310E        | 38.2         | 140.5        | GGGG                               |                     |                      | 139                     | 41                     |
| 2650-02465        | 00000/0000                   | 2-20035/0433                | 11/02/76         | 50             | 9055            | 2556N                        | 10246E        | 39.1         | 139.5        | GGGG                               |                     |                      | 139                     | 42                     |
| 2650-02471        | 00000/0000                   | 2-20035/0434                | 11/02/76         | 70             | 9055            | 2429N                        | 10223E        | 40.1         | 138.5        | GGGG                               |                     |                      | 139                     | 43                     |
| 2650-02474        | 00000/0000                   | 2-20035/0435                | 11/02/76         | 10             | 9056            | 4552N                        | 08320E        | 24.8         | 151.7        | GGGG                               |                     |                      | 157                     | 28                     |
| 2650-02477        | 00000/0000                   | 2-20035/0436                | 11/02/76         | 30             | 9056            | 4427N                        | 08247E        | 25.9         | 150.9        | FGGG                               |                     |                      | 157                     | 29                     |
| 2650-02479        | 00000/0000                   | 2-20035/0437                | 11/02/76         | 10             | 9056            | 4302N                        | 08214E        | 27.0         | 150.1        | GGGG                               |                     |                      | 157                     | 30                     |
| 2650-02484        | 00000/0000                   | 2-20035/0438                | 11/02/76         | 60             | 9056            | 3720N                        | 08015E        | 31.2         | 146.9        | GGGG                               |                     |                      | 157                     | 34                     |
| 2650-02485        | 00000/0000                   | 2-20035/0439                | 11/02/76         | 0              | 9056            | 3010N                        | 07807E        | 36.3         | 142.5        | GGG                                |                     |                      | 157                     | 39                     |
| 2650-02491        | 00000/0000                   | 2-20035/0440                | 11/02/76         | 0              | 9056            | 2844N                        | 07743E        | 37.2         | 141.5        | GGGG                               |                     |                      | 157                     | 40                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM ROLL NO. / POSITION IN ROLL | DATE ACQUIRED | CLOUD COVER | ORBIT NUMBER | PRINCIPAL POINT OF IMAGE | SUN FLEV. | SUN AZIM. | IMAGE QUAL | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME ROW NUMBER |
|----------------|---------------------------------------|---------------|-------------|--------------|--------------------------|-----------|-----------|------------|---------------|----------------|-------------------|------------------|
| 2650-04294     | 00000/0000 2-20035/0441               | 11/02/76      | 0           | 9056         | 2720N                    | 07719E    | 38.2      | 140.6      | GGGG          |                | 157               | 41               |
| 2650-04300     | 00000/0000 2-20035/0442               | 11/02/76      | 0           | 9056         | 2554N                    | 07655E    | 39.1      | 139.5      | GGGG          |                | 157               | 42               |
| 2650-04303     | 00000/0000 2-20035/0443               | 11/02/76      | 0           | 9056         | 2427N                    | 07632E    | 40.0      | 138.5      | GGGG          |                | 157               | 43               |
| 2650-04305     | 00000/0000 2-20035/0444               | 11/02/76      | 0           | 9056         | 2300N                    | 07610E    | 40.9      | 137.4      | GGGG          |                | 157               | 44               |
| 2650-04312     | 00000/0000 2-20035/0445               | 11/02/76      | 0           | 9056         | 2135N                    | 07548E    | 41.8      | 136.3      | FGGG          |                | 157               | 45               |
| 2650-04314     | 00000/0000 2-20035/0446               | 11/02/76      | 0           | 9056         | 2010N                    | 07527E    | 42.7      | 135.1      | GGGG          |                | 157               | 46               |
| 2650-04321     | 00000/0000 2-20035/0447               | 11/02/76      | 0           | 9056         | 1844N                    | 07505E    | 43.5      | 133.9      | GGGG          |                | 157               | 47               |
| 2650-04323     | 00000/0000 2-20035/0448               | 11/02/76      | 0           | 9056         | 1718N                    | 07443E    | 44.3      | 132.7      | GGGG          |                | 157               | 48               |
| 2650-04330     | 00000/0000 2-20035/0449               | 11/02/76      | 10          | 9056         | 1552N                    | 07422E    | 45.1      | 131.4      | GGGG          |                | 157               | 49               |
| 2650-07472     | 00000/0000 2-20035/0465               | 11/02/76      | 90          | 9058         | 5704N                    | 03716E    | 15.9      | 158.2      | GGGG          |                | 193               | 20               |
| 2650-07475     | 00000/0000 2-20035/0466               | 11/02/76      | 90          | 9058         | 5541N                    | 03626E    | 17.0      | 157.3      | GGGG          |                | 193               | 21               |
| 2650-07481     | 00000/0000 2-20035/0467               | 11/02/76      | 90          | 9058         | 5417N                    | 03538E    | 18.1      | 156.5      | GGGG          |                | 193               | 22               |
| 2650-07484     | 00000/0000 2-20035/0468               | 11/02/76      | 70          | 9058         | 5253N                    | 03454E    | 19.3      | 155.7      | GGGG          |                | 193               | 23               |
| 2650-07490     | 00000/0000 2-20035/0469               | 11/02/76      | 20          | 9058         | 5129N                    | 03411E    | 20.4      | 154.8      | GGGG          |                | 193               | 24               |
| 2650-07493     | 00000/0000 2-20035/0470               | 11/02/76      | 50          | 9058         | 5005N                    | 03331E    | 21.5      | 154.1      | GGGG          |                | 193               | 25               |
| 2650-07495     | 00000/0000 2-20035/0471               | 11/02/76      | 50          | 9058         | 4840N                    | 03252E    | 22.6      | 153.3      | GGGG          |                | 193               | 26               |
| 2650-07502     | 00000/0000 2-20035/0472               | 11/02/76      | 50          | 9058         | 4716N                    | 03215E    | 23.7      | 152.5      | GGGG          |                | 193               | 27               |
| 2650-07504     | 00000/0000 2-20035/0473               | 11/02/76      | 40          | 9058         | 4551N                    | 03140E    | 24.8      | 151.7      | FGGG          |                | 193               | 28               |
| 2650-14430     | 00000/0000 2-20035/0321               | 11/02/76      | 90          | 9062         | 4842N                    | 07021W    | 22.5      | 153.3      | GGGG          |                | 14                | 26               |
| 2650-14494     | 00000/0000 2-20035/0322               | 11/02/76      | 40          | 9062         | 2555N                    | 07757W    | 39.0      | 139.6      | GGGG          |                | 14                | 42               |
| 2650-14500     | 00000/0000 2-20035/0323               | 11/02/76      | 20          | 9062         | 2429N                    | 07820W    | 39.9      | 138.6      | GGGG          |                | 14                | 43               |
| 2650-23430     | 00000/0000 2-20035/0474               | 11/02/76      | 50          | 9067         | 3256S                    | 13825E    | 48.3      | 74.7       | GGGG          |                | 104               | 83               |
| 2650-23433     | 00000/0000 2-20035/0475               | 11/02/76      | 70          | 9067         | 3422S                    | 13759E    | 47.6      | 73.5       | GGG           |                | 104               | 84               |
| 2651-01244     | 00000/0000 2-20035/0476               | 11/03/76      | 0           | 9068         | 2715S                    | 11414E    | 50.6      | 80.4       | GGGG          |                | 122               | 79               |
| 2651-01250     | 00000/0000 2-20035/0477               | 11/03/76      | 0           | 9068         | 2840S                    | 11351E    | 50.0      | 78.9       | GGGG          |                | 122               | 80               |
| 2651-02491     | 00000/0000 2-20035/0478               | 11/03/76      | 20          | 9069         | 3721N                    | 10443E    | 31.0      | 147.1      | GGFG          |                | 140               | 34               |
| 2651-02505     | 00000/0000 2-20035/0479               | 11/03/76      | 30          | 9069         | 3137N                    | 10258E    | 35.0      | 143.6      | GGGG          |                | 140               | 38               |
| 2651-02575     | 00000/0000 2-20035/0480               | 11/03/76      | 30          | 9069         | 0714N                    | 09643E    | 49.1      | 123.1      | GGGG          |                | 140               | 55               |
| 2651-04293     | 00000/0000 2-20035/0497               | 11/03/76      | 100         | 9070         | 4717N                    | 08230E    | 23.4      | 152.6      | GGGG          |                | 158               | 27               |
| 2651-04295     | 00000/0000 2-20035/0498               | 11/03/76      | 100         | 9070         | 4552N                    | 08155E    | 24.5      | 151.8      | GGGG          |                | 158               | 28               |
| 2651-04302     | 00000/0000 2-20035/0499               | 11/03/76      | 90          | 9070         | 4428N                    | 08121E    | 25.6      | 151.0      | GGGG          |                | 158               | 29               |
| 2651-04304     | 00000/0000 2-20035/0481               | 11/03/76      | 50          | 9070         | 4303N                    | 08048E    | 26.7      | 150.3      | GGGG          |                | 158               | 30               |
| 2651-04311     | 00000/0000 2-20035/0482               | 11/03/76      | 40          | 9070         | 4137N                    | 08017E    | 27.8      | 149.5      | GGGG          |                | 158               | 31               |
| 2651-04313     | 00000/0000 2-20035/0483               | 11/03/76      | 10          | 9070         | 4012N                    | 07946E    | 28.8      | 148.7      | GGGG          |                | 158               | 32               |
| 2651-04340     | 00000/0000 2-20035/0484               | 11/03/76      | 0           | 9070         | 3138N                    | 07705E    | 35.0      | 143.6      | GGGG          |                | 158               | 38               |
| 2651-04352     | 00000/0000 2-20035/0485               | 11/03/76      | 0           | 9070         | 2720N                    | 07552E    | 37.9      | 140.8      | GGGG          |                | 158               | 41               |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02140 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBY MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------|------------------|----------------|------------------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2651-0435         | 00000/0000                               | 2-20035/0486     | 11/03/76       | 0                      | 9070                                    | 2554N        | 07529E       | 38.9                  | 139.8               | GGGG                 | 158                     | 42                     |
| 2651-0436         | 00000/0000                               | 2-20035/0487     | 11/03/76       | 0                      | 9070                                    | 2428N        | 07506E       | 39.8                  | 138.7               | GGGG                 | 158                     | 43                     |
| 2651-0437         | 00000/0000                               | 2-20035/0488     | 11/03/76       | 0                      | 9070                                    | 2301N        | 07444E       | 40.7                  | 137.7               | GGGG                 | 158                     | 44                     |
| 2651-0438         | 00000/0000                               | 2-20035/0489     | 11/03/76       | 0                      | 9070                                    | 2135N        | 07422E       | 41.6                  | 136.6               | GGGG                 | 158                     | 45                     |
| 2651-0439         | 00000/0000                               | 2-20035/0490     | 11/03/76       | 0                      | 9070                                    | 2009N        | 07400E       | 42.5                  | 135.4               | GGGG                 | 158                     | 46                     |
| 2651-0440         | 00000/0000                               | 2-20035/0491     | 11/03/76       | 0                      | 9070                                    | 1843N        | 07338E       | 43.3                  | 134.2               | GGGG                 | 158                     | 47                     |
| 2651-0441         | 00000/0000                               | 2-20035/0492     | 11/03/76       | 0                      | 9070                                    | 1717N        | 07317E       | 44.1                  | 133.0               | GGGG                 | 158                     | 48                     |
| 2651-0442         | 00000/0000                               | 2-20035/0493     | 11/03/76       | 10                     | 9071                                    | 3845N        | 05329E       | 29.9                  | 147.9               | GGGF                 | 176                     | 33                     |
| 2651-0443         | 00000/0000                               | 2-20035/0494     | 11/03/76       | 0                      | 9071                                    | 3720N        | 05301E       | 30.9                  | 147.1               | GGGG                 | 176                     | 34                     |
| 2651-0444         | 00000/0000                               | 2-20035/0495     | 11/03/76       | 0                      | 9071                                    | 3554N        | 05234E       | 32.0                  | 146.3               | GGGG                 | 176                     | 35                     |
| 2651-0445         | 00000/0000                               | 2-20035/0496     | 11/03/76       | 0                      | 9071                                    | 3429N        | 05207E       | 33.0                  | 145.4               | GGGG                 | 176                     | 36                     |
| 2651-0446         | 00000/0000                               | 2-20035/0500     | 11/03/76       | 70                     | 9072                                    | 5744N        | 03553E       | 15.6                  | 158.3               | GGGG                 | 194                     | 20                     |
| 2651-0447         | 00000/0000                               | 2-20035/0501     | 11/03/76       | 100                    | 9072                                    | 5540N        | 03503E       | 16.7                  | 157.4               | GGGG                 | 194                     | 21                     |
| 2651-0448         | 00000/0000                               | 2-20035/0502     | 11/03/76       | 100                    | 9072                                    | 5417N        | 03416E       | 17.8                  | 156.5               | GGGG                 | 194                     | 22                     |
| 2651-0449         | 00000/0000                               | 2-20035/0503     | 11/03/76       | 60                     | 9072                                    | 5253N        | 03330E       | 19.0                  | 155.7               | GGGG                 | 194                     | 23                     |
| 2651-0450         | 00000/0000                               | 2-20035/0504     | 11/03/76       | 90                     | 9072                                    | 5005N        | 03207E       | 21.2                  | 154.1               | GGGG                 | 194                     | 25                     |
| 2651-0451         | 00000/0000                               | 2-20035/0505     | 11/03/76       | 100                    | 9072                                    | 4840N        | 03129E       | 22.3                  | 153.4               | GGGG                 | 194                     | 26                     |
| 2651-0452         | 00000/0000                               | 2-20035/0506     | 11/03/76       | 100                    | 9072                                    | 4715N        | 03053E       | 23.4                  | 152.6               | GGGG                 | 194                     | 27                     |
| 2651-0453         | 00000/0000                               | 2-20035/0507     | 11/03/76       | 80                     | 9072                                    | 4551N        | 03018E       | 24.5                  | 151.8               | GGGG                 | 194                     | 28                     |
| 2651-0454         | 00000/0000                               | 2-20035/0508     | 11/03/76       | 100                    | 9076                                    | 4841N        | 07148W       | 22.2                  | 153.4               | GGGG                 | 15                      | 26                     |
| 2651-0455         | 00000/0000                               | 2-20035/0504     | 11/03/76       | 90                     | 9081                                    | 3422S        | 13633E       | 47.8                  | 73.8                | GGGG                 | 105                     | 84                     |
| 2651-0456         | 00000/0000                               | 2-20035/0506     | 11/04/76       | 10                     | 9083                                    | 3721N        | 10316E       | 30.7                  | 147.2               | GFGG                 | 141                     | 34                     |
| 2651-0457         | 00000/0000                               | 2-20035/0507     | 11/04/76       | 0                      | 9083                                    | 3555N        | 10249E       | 31.7                  | 146.4               | GFGG                 | 141                     | 35                     |
| 2651-0458         | 00000/0000                               | 2-20035/0553     | 11/04/76       | 60                     | 9083                                    | 2555N        | 09953E       | 38.6                  | 140.0               | GGGG                 | 141                     | 42                     |
| 2651-0459         | 00000/0000                               | 2-20035/0554     | 11/04/76       | 90                     | 9084                                    | 4427N        | 07955E       | 25.3                  | 151.2               | GGGG                 | 159                     | 29                     |
| 2651-0460         | 00000/0000                               | 2-20035/0555     | 11/04/76       | 90                     | 9084                                    | 3845N        | 07753E       | 29.6                  | 148.0               | GGGG                 | 159                     | 33                     |
| 2651-0461         | 00000/0000                               | 2-20035/0516     | 11/04/76       | 10                     | 9084                                    | 3302N        | 07606E       | 33.8                  | 144.7               | GGG                  | 159                     | 37                     |
| 2651-0462         | 00000/0000                               | 2-20035/0517     | 11/04/76       | 0                      | 9084                                    | 3137N        | 07541E       | 34.8                  | 143.8               | GGGG                 | 159                     | 38                     |
| 2651-0463         | 00000/0000                               | 2-20035/0518     | 11/04/76       | 0                      | 9084                                    | 3012N        | 07516E       | 35.7                  | 142.9               | GGGG                 | 159                     | 39                     |
| 2651-0464         | 00000/0000                               | 2-20035/0519     | 11/04/76       | 0                      | 9084                                    | 2846N        | 07451E       | 36.7                  | 142.0               | GGGG                 | 159                     | 40                     |
| 2651-0465         | 00000/0000                               | 2-20035/0520     | 11/04/76       | 0                      | 9084                                    | 2720N        | 07427E       | 37.7                  | 141.0               | GGGG                 | 159                     | 41                     |
| 2651-0466         | 00000/0000                               | 2-20035/0521     | 11/04/76       | 0                      | 9084                                    | 2554N        | 07404E       | 38.6                  | 140.0               | GGGG                 | 159                     | 42                     |
| 2651-0467         | 00000/0000                               | 2-20035/0522     | 11/04/76       | 0                      | 9084                                    | 2428N        | 07341E       | 39.6                  | 139.0               | GGGG                 | 159                     | 43                     |
| 2651-0468         | 00000/0000                               | 2-20035/0523     | 11/04/76       | 0                      | 9084                                    | 2302N        | 07318E       | 40.5                  | 137.9               | GGGG                 | 159                     | 44                     |
| 2651-0469         | 00000/0000                               | 2-20035/0524     | 11/04/76       | 0                      | 9084                                    | 2137N        | 07256E       | 41.4                  | 136.8               | GGGG                 | 159                     | 45                     |
| 2651-0470         | 00000/0000                               | 2-20035/0525     | 11/04/76       | 0                      | 9084                                    | 2010N        | 07235E       | 42.2                  | 135.7               | GGGG                 | 159                     | 46                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2652-06210        | 00000/0000                                     | 2-20035/0526     | 11/04/76       | 10                     | 9085                               | 3845N                               | 05203E       | 29.6         | 148.0                 | GGGG                |                      | 177                     | 33                     |
| 2652-06215        | 00000/0000                                     | 2-20035/0527     | 11/04/76       | 0                      | 9085                               | 3554N                               | 05108E       | 31.7         | 146.4                 | GGFG                |                      | 177                     | 35                     |
| 2652-06221        | 00000/0000                                     | 2-20035/0528     | 11/04/76       | 0                      | 9085                               | 3429N                               | 05042E       | 32.7         | 145.6                 | GGGG                |                      | 177                     | 36                     |
| 2652-06224        | 00000/0000                                     | 2-20035/0529     | 11/04/76       | 20                     | 9085                               | 3303N                               | 05016E       | 33.7         | 144.7                 | GGGG                |                      | 177                     | 37                     |
| 2652-06230        | 00000/0000                                     | 2-20035/0530     | 11/04/76       | 10                     | 9085                               | 3137N                               | 04950E       | 34.7         | 143.8                 | GGGG                |                      | 177                     | 38                     |
| 2652-06233        | 00000/0000                                     | 2-20035/0531     | 11/04/76       | 0                      | 9085                               | 3011N                               | 04925E       | 35.7         | 142.9                 | GGGG                |                      | 177                     | 39                     |
| 2652-06235        | 00000/0000                                     | 2-20035/0532     | 11/04/76       | 0                      | 9085                               | 2845N                               | 04901E       | 36.7         | 142.0                 | GGGG                |                      | 177                     | 40                     |
| 2652-07594        | 00000/0000                                     | 2-20035/0556     | 11/04/76       | 90                     | 9086                               | 5417N                               | 03249E       | 17.5         | 156.6                 | GGGG                |                      | 195                     | 22                     |
| 2652-08000        | 00000/0000                                     | 2-20035/0557     | 11/04/76       | 100                    | 9086                               | 5253N                               | 03205E       | 18.7         | 155.8                 | GGGG                |                      | 195                     | 23                     |
| 2652-08003        | 00000/0000                                     | 2-20035/0558     | 11/04/76       | 100                    | 9086                               | 5129N                               | 03122E       | 19.8         | 155.0                 | GGGG                |                      | 195                     | 24                     |
| 2652-08005        | 00000/0000                                     | 2-20035/0559     | 11/04/76       | 100                    | 9086                               | 5005N                               | 03042E       | 20.9         | 154.2                 | GGGG                |                      | 195                     | 25                     |
| 2652-08012        | 00000/0000                                     | 2-20035/0560     | 11/04/76       | 100                    | 9086                               | 4840N                               | 03003E       | 22.0         | 153.5                 | GGGG                |                      | 195                     | 26                     |
| 2652-08014        | 00000/0000                                     | 2-20035/0561     | 11/04/76       | 90                     | 9086                               | 4715N                               | 02926E       | 23.1         | 152.7                 | GGGG                |                      | 195                     | 27                     |
| 2652-08021        | 00000/0000                                     | 2-20035/0562     | 11/04/76       | 90                     | 9086                               | 4550N                               | 02851E       | 24.2         | 151.9                 | GGGG                |                      | 195                     | 28                     |
| 2652-08023        | 00000/0000                                     | 2-20035/0563     | 11/04/76       | 50                     | 9086                               | 4425N                               | 02817E       | 25.3         | 151.2                 | GGFG                |                      | 195                     | 29                     |
| 2652-08030        | 00000/0000                                     | 2-20035/0564     | 11/04/76       | 20                     | 9086                               | 4301N                               | 02745E       | 26.4         | 150.4                 | GGFG                |                      | 195                     | 30                     |
| 2652-13104        | 00000/0000                                     | 2-20035/0509     | 11/04/76       | 90                     | 9089                               | 5006N                               | 04646W       | 20.8         | 154.3                 | GGGG                |                      | 249                     | 25                     |
| 2652-13110        | 00000/0000                                     | 2-20035/0510     | 11/04/76       | 90                     | 9089                               | 4841N                               | 04724W       | 21.9         | 153.5                 | GGGG                |                      | 249                     | 26                     |
| 2652-13113        | 00000/0000                                     | 2-20035/0511     | 11/04/76       | 50                     | 9089                               | 4717N                               | 04800W       | 23.0         | 152.7                 | GGGG                |                      | 249                     | 27                     |
| 2652-13115        | 00000/0000                                     | 2-20035/0512     | 11/04/76       | 80                     | 9089                               | 4552N                               | 04835W       | 24.1         | 152.0                 | GGGF                |                      | 249                     | 28                     |
| 2652-13122        | 00000/0000                                     | 2-20035/0513     | 11/04/76       | 90                     | 9089                               | 4427N                               | 04908W       | 25.2         | 151.2                 | GGGG                |                      | 249                     | 29                     |
| 2652-13124        | 00000/0000                                     | 2-20035/0514     | 11/04/76       | 70                     | 9089                               | 4302N                               | 04940W       | 26.3         | 150.4                 | GGGG                |                      | 249                     | 30                     |
| 2652-13131        | 00000/0000                                     | 2-20035/0515     | 11/04/76       | 60                     | 9089                               | 4137N                               | 05011W       | 27.4         | 149.7                 | GGGG                |                      | 249                     | 31                     |
| 2652-23542        | 00000/0000                                     | 2-20035/0533     | 11/04/76       | 80                     | 9095                               | 3257S                               | 13533E       | 48.6         | 75.5                  | FGGG                |                      | 106                     | 83                     |
| 2652-23545        | 00000/0000                                     | 2-20035/0534     | 11/04/76       | 90                     | 9095                               | 3423S                               | 13507E       | 48.0         | 74.2                  | FGGG                |                      | 106                     | 84                     |
| 2653-03001        | 00000/0000                                     | 2-20035/0535     | 11/05/76       | 60                     | 9097                               | 3846N                               | 10217E       | 29.4         | 148.2                 | GGGG                |                      | 142                     | 33                     |
| 2653-03003        | 00000/0000                                     | 2-20035/0536     | 11/05/76       | 50                     | 9097                               | 3720N                               | 10149E       | 30.4         | 147.4                 | GGGG                |                      | 142                     | 34                     |
| 2653-04421        | 00000/0000                                     | 2-20035/0537     | 11/05/76       | 40                     | 9098                               | 4300N                               | 07756E       | 26.1         | 150.5                 | GGGG                |                      | 160                     | 30                     |
| 2653-04423        | 00000/0000                                     | 2-20035/0538     | 11/05/76       | 40                     | 9098                               | 4136N                               | 07726E       | 27.2         | 149.7                 | GGGG                |                      | 160                     | 31                     |
| 2653-04430        | 00000/0000                                     | 2-20035/0539     | 11/05/76       | 10                     | 9098                               | 4010N                               | 07656E       | 28.3         | 149.0                 | GGGG                |                      | 160                     | 32                     |
| 2653-04432        | 00000/0000                                     | 2-20035/0540     | 11/05/76       | 0                      | 9098                               | 3845N                               | 07627E       | 29.3         | 148.2                 | GGGG                |                      | 160                     | 33                     |
| 2653-04435        | 00000/0000                                     | 2-20035/0541     | 11/05/76       | 0                      | 9098                               | 3719N                               | 07559E       | 30.4         | 147.4                 | GGGG                |                      | 160                     | 34                     |
| 2653-04441        | 00000/0000                                     | 2-20035/0542     | 11/05/76       | 0                      | 9098                               | 3554N                               | 07532E       | 31.4         | 146.5                 | GGGG                |                      | 160                     | 35                     |
| 2653-04444        | 00000/0000                                     | 2-20035/0543     | 11/05/76       | 0                      | 9098                               | 3428N                               | 07505E       | 32.5         | 145.7                 | GGGG                |                      | 160                     | 36                     |
| 2653-04450        | 00000/0000                                     | 2-20035/0544     | 11/05/76       | 0                      | 9098                               | 3302N                               | 07439E       | 33.5         | 144.9                 | GGGG                |                      | 160                     | 37                     |
| 2653-04453        | 00000/0000                                     | 2-20035/0545     | 11/05/76       | 0                      | 9098                               | 3137N                               | 07414E       | 34.5         | 144.0                 | GGGG                |                      | 160                     | 38                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR N4N-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2653-34455        | 00000/0000                   | 2-20035/0546                | 11/05/76         | 0              | 9098            | 3011N 07349E                            | 35.5         | 143.1        | GGGG                               |                     |                      | 160                     | 39                     |
| 2653-34462        | 00000/0000                   | 2-20035/0547                | 11/05/76         | 0              | 9098            | 2845N 07324E                            | 36.5         | 142.2        | GGGG                               |                     |                      | 160                     | 40                     |
| 2653-34464        | 00000/0000                   | 2-20035/0548                | 11/05/76         | 0              | 9098            | 2719N 07300E                            | 37.4         | 141.2        | GGGG                               |                     |                      | 160                     | 41                     |
| 2653-34471        | 00000/0000                   | 2-20035/0549                | 11/05/76         | 0              | 9098            | 2552N 07237E                            | 38.4         | 140.2        | GGGG                               |                     |                      | 160                     | 42                     |
| 2653-34473        | 00000/0000                   | 2-20035/0550                | 11/05/76         | 0              | 9098            | 2426N 07214E                            | 39.3         | 139.2        | GGGG                               |                     |                      | 160                     | 43                     |
| 2653-34480        | 00000/0000                   | 2-20035/0551                | 11/05/76         | 0              | 9098            | 2301N 07152E                            | 40.2         | 138.1        | GGGG                               |                     |                      | 160                     | 44                     |
| 2653-34482        | 00000/0000                   | 2-20035/0552                | 11/05/76         | 0              | 9098            | 2135N 07130E                            | 41.1         | 137.0        | GGGG                               |                     |                      | 160                     | 45                     |
| 2653-36261        | 00000/0000                   | 2-20036/0001                | 11/05/76         | 90             | 9099            | 4012N 05107E                            | 28.2         | 149.0        | GGGG                               |                     |                      | 178                     | 32                     |
| 2653-36264        | 00000/0000                   | 2-20036/0002                | 11/05/76         | 80             | 9099            | 3847N 05039E                            | 29.3         | 148.2        | GGGG                               |                     |                      | 178                     | 33                     |
| 2653-36270        | 00000/0000                   | 2-20036/0003                | 11/05/76         | 30             | 9099            | 3722N 05011E                            | 30.3         | 147.4        | GGGG                               |                     |                      | 178                     | 34                     |
| 2653-36273        | 00000/0000                   | 2-20036/0004                | 11/05/76         | 0              | 9099            | 3556N 04943E                            | 31.4         | 146.6        | FGGG                               |                     |                      | 178                     | 35                     |
| 2653-36275        | 00000/0000                   | 2-20036/0005                | 11/05/76         | 0              | 9099            | 3431N 04916E                            | 32.4         | 145.8        | GGGG                               |                     |                      | 178                     | 36                     |
| 2653-36282        | 00000/0000                   | 2-20036/0006                | 11/05/76         | 0              | 9099            | 3305N 04851E                            | 33.4         | 144.9        | GGGG                               |                     |                      | 178                     | 37                     |
| 2653-36284        | 00000/0000                   | 2-20036/0007                | 11/05/76         | 0              | 9099            | 3139N 04825E                            | 34.4         | 144.0        | GGGG                               |                     |                      | 178                     | 38                     |
| 2653-36291        | 00000/0000                   | 2-20036/0008                | 11/05/76         | 0              | 9099            | 3014N 04800E                            | 35.4         | 143.1        | GGGG                               |                     |                      | 178                     | 39                     |
| 2653-38052        | 00000/0000                   | 2-20036/0009                | 11/05/76         | 90             | 9100            | 5419N 03124E                            | 17.2         | 156.7        | GGGG                               |                     |                      | 196                     | 22                     |
| 2653-38054        | 00000/0000                   | 2-20036/0010                | 11/05/76         | 90             | 9100            | 5255N 03039E                            | 18.3         | 155.9        | GGGG                               |                     |                      | 196                     | 23                     |
| 2653-38061        | 00000/0000                   | 2-20036/0011                | 11/05/76         | 100            | 9100            | 5131N 02956E                            | 19.4         | 155.1        | GGGG                               |                     |                      | 196                     | 24                     |
| 2653-38063        | 00000/0000                   | 2-20036/0012                | 11/05/76         | 100            | 9100            | 5007N 02916E                            | 20.6         | 154.3        | GGGG                               |                     |                      | 196                     | 25                     |
| 2653-38070        | 00000/0000                   | 2-20036/0013                | 11/05/76         | 100            | 9100            | 4843N 02838E                            | 21.7         | 153.6        | GGGG                               |                     |                      | 196                     | 26                     |
| 2653-38072        | 00000/0000                   | 2-20036/0014                | 11/05/76         | 90             | 9100            | 4718N 02801E                            | 22.8         | 152.8        | GGGG                               |                     |                      | 196                     | 27                     |
| 2653-38075        | 00000/0000                   | 2-20036/0015                | 11/05/76         | 80             | 9100            | 4554N 02726E                            | 23.9         | 152.0        | FGGG                               |                     |                      | 196                     | 28                     |
| 2653-13160        | 00000/0000                   | 2-20035/0573                | 11/05/76         | 30             | 9103            | 5130N 04730W                            | 19.4         | 155.1        | GGGG                               |                     |                      | 250                     | 24                     |
| 2653-13162        | 00000/0000                   | 2-20035/0574                | 11/05/76         | 50             | 9103            | 5006N 04611W                            | 20.5         | 154.3        | FGGG                               |                     |                      | 250                     | 25                     |
| 2653-13165        | 00000/0000                   | 2-20035/0575                | 11/05/76         | 50             | 9103            | 4841N 04850W                            | 21.6         | 153.6        | FGGG                               |                     |                      | 250                     | 26                     |
| 2653-13171        | 00000/0000                   | 2-20035/0576                | 11/05/76         | 80             | 9103            | 4716N 04926W                            | 22.7         | 152.8        | GPFG                               |                     |                      | 250                     | 27                     |
| 2653-13174        | 00000/0000                   | 2-20035/0577                | 11/05/76         | 90             | 9103            | 4551N 05001W                            | 23.8         | 152.0        | GGFG                               |                     |                      | 250                     | 28                     |
| 2653-13180        | 00000/0000                   | 2-20035/0578                | 11/05/76         | 100            | 9103            | 4426N 05035W                            | 24.9         | 151.3        | GFGG                               |                     |                      | 250                     | 29                     |
| 2653-13183        | 00000/0000                   | 2-20035/0579                | 11/05/76         | 90             | 9103            | 4301N 05107W                            | 26.0         | 150.5        | GGGG                               |                     |                      | 250                     | 30                     |
| 2653-13185        | 00000/0000                   | 2-20035/0580                | 11/05/76         | 90             | 9103            | 4136N 05138W                            | 27.1         | 149.8        | GGGG                               |                     |                      | 250                     | 31                     |
| 2653-14594        | 00000/0000                   | 2-20035/0581                | 11/05/76         | 90             | 9104            | 5005N 07401W                            | 20.5         | 154.3        | GGGG                               |                     |                      | 17                      | 25                     |
| 2653-19034        | 2-20037/1354                 | 00000/0000                  | 11/05/76         | 50             | 9106            | 7630S 17312E                            | 18.5         | 81.0         | GGG                                |                     |                      | 53                      | 115                    |
| 2653-19041        | 2-20037/1355                 | 00000/0000                  | 11/05/76         | 50             | 9106            | 7733S 16840E                            | 17.4         | 85.1         | GGG                                |                     |                      | 53                      | 116                    |
| 2653-19043        | 2-20037/1356                 | 00000/0000                  | 11/05/76         | 70             | 9106            | 7831S 16320E                            | 16.2         | 90.0         | GGG                                |                     |                      | 53                      | 117                    |
| 2653-23594        | 00000/0000                   | 2-20036/0018                | 11/05/76         | 0              | 9109            | 3176S 13431E                            | 49.3         | 77.3         | GGGG                               |                     |                      | 107                     | 82                     |
| 2654-33055        | 00000/0000                   | 2-20036/0019                | 11/06/76         | 20             | 9111            | 3844N 10051E                            | 29.1         | 148.3        | GGGG                               |                     |                      | 143                     | 33                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | RAI IN<br>MSS | DATE<br>ACQUIRED | CLBD<br>COVER | SRBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|---------------|------------------|---------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2654-04484        | 00000/0000                   | 2-20036/0020  | 11/06/76         | 20            | 9112            | 4013N                        | 07531E        | 28.0         | 149.1        | GGGG                               |                     |                      | 161                     | 32                     |
| 2654-04490        | 00000/0000                   | 2-20036/0021  | 11/06/76         | 40            | 9112            | 3848N                        | 07502E        | 29.0         | 148.3        | FGGG                               |                     |                      | 161                     | 33                     |
| 2654-04493        | 00000/0000                   | 2-20036/0022  | 11/06/76         | 90            | 9112            | 3722N                        | 07434E        | 30.1         | 147.5        | GGGG                               |                     |                      | 161                     | 34                     |
| 2654-04495        | 00000/0000                   | 2-20036/0023  | 11/06/76         | 90            | 9112            | 3557N                        | 07406E        | 31.1         | 146.7        | GGGG                               |                     |                      | 161                     | 35                     |
| 2654-04502        | 00000/0000                   | 2-20036/0024  | 11/06/76         | 90            | 9112            | 3431N                        | 07340E        | 32.2         | 145.9        | GGGG                               |                     |                      | 161                     | 36                     |
| 2654-04504        | 00000/0000                   | 2-20036/0025  | 11/06/76         | 30            | 9112            | 3306N                        | 07314E        | 33.2         | 145.0        | GGGG                               |                     |                      | 161                     | 37                     |
| 2654-04511        | 00000/0000                   | 2-20036/0026  | 11/06/76         | 10            | 9112            | 3140N                        | 07248E        | 34.2         | 144.2        | GGGG                               |                     |                      | 161                     | 38                     |
| 2654-04513        | 00000/0000                   | 2-20036/0027  | 11/06/76         | 0             | 9112            | 3014N                        | 07223E        | 35.2         | 143.3        | GGGG                               |                     |                      | 161                     | 39                     |
| 2654-04531        | 00000/0000                   | 2-20036/0028  | 11/06/76         | 0             | 9112            | 2430N                        | 07049E        | 39.0         | 139.4        | GGGG                               |                     |                      | 161                     | 43                     |
| 2654-04534        | 00000/0000                   | 2-20036/0029  | 11/06/76         | 0             | 9112            | 2304N                        | 07027E        | 39.9         | 138.4        | GGGG                               |                     |                      | 161                     | 44                     |
| 2654-04540        | 00000/0000                   | 2-20036/0030  | 11/06/76         | 0             | 9112            | 2139N                        | 07005E        | 40.6         | 137.3        | GGGG                               |                     |                      | 161                     | 45                     |
| 2654-06315        | 00000/0000                   | 2-20036/0031  | 11/06/76         | 90            | 9113            | 4013N                        | 04942E        | 27.9         | 149.1        | GGGG                               |                     |                      | 179                     | 32                     |
| 2654-06322        | 00000/0000                   | 2-20036/0032  | 11/06/76         | 90            | 9113            | 3848N                        | 04913E        | 29.0         | 148.3        | GGGG                               |                     |                      | 179                     | 33                     |
| 2654-06324        | 00000/0000                   | 2-20036/0033  | 11/06/76         | 50            | 9113            | 3722N                        | 04845E        | 30.1         | 147.5        | GGGG                               |                     |                      | 179                     | 34                     |
| 2654-06331        | 00000/0000                   | 2-20036/0034  | 11/06/76         | 10            | 9113            | 3557N                        | 04817E        | 31.1         | 146.7        | CGG                                |                     |                      | 179                     | 35                     |
| 2654-06333        | 00000/0000                   | 2-20036/0035  | 11/06/76         | 0             | 9113            | 3431N                        | 04751E        | 32.1         | 145.9        | GGGG                               |                     |                      | 179                     | 36                     |
| 2654-06340        | 00000/0000                   | 2-20036/0036  | 11/06/76         | 0             | 9113            | 3306N                        | 04725E        | 33.2         | 145.1        | GGGG                               |                     |                      | 179                     | 37                     |
| 2654-06342        | 00000/0000                   | 2-20036/0037  | 11/06/76         | 0             | 9113            | 3140N                        | 04700E        | 34.2         | 144.2        | GGGG                               |                     |                      | 179                     | 38                     |
| 2654-08110        | 00000/0000                   | 2-20036/0038  | 11/06/76         | 100           | 9114            | 5419N                        | 02954E        | 16.9         | 156.7        | GGGG                               |                     |                      | 197                     | 22                     |
| 2654-08113        | 00000/0000                   | 2-20036/0039  | 11/06/76         | 90            | 9114            | 5255N                        | 02910E        | 18.0         | 155.9        | GGGG                               |                     |                      | 197                     | 23                     |
| 2654-08115        | 00000/0000                   | 2-20036/0040  | 11/06/76         | 90            | 9114            | 5131N                        | 02828E        | 19.2         | 155.2        | GGGG                               |                     |                      | 197                     | 24                     |
| 2654-08122        | 00000/0000                   | 2-20036/0041  | 11/06/76         | 100           | 9114            | 5006N                        | 02748E        | 20.3         | 154.4        | GGGG                               |                     |                      | 197                     | 25                     |
| 2654-08124        | 00000/0000                   | 2-20036/0042  | 11/06/76         | 100           | 9114            | 4842N                        | 02710E        | 21.4         | 153.6        | GGGG                               |                     |                      | 197                     | 26                     |
| 2654-08131        | 00000/0000                   | 2-20036/0043  | 11/06/76         | 70            | 9114            | 4718N                        | 02633E        | 22.5         | 152.9        | GGGG                               |                     |                      | 197                     | 27                     |
| 2654-13214        | 00000/0000                   | 2-20035/0565  | 11/06/76         | 100           | 9117            | 5129N                        | 04859W        | 19.1         | 155.2        | GFGE                               |                     |                      | 251                     | 24                     |
| 2654-13223        | 00000/0000                   | 2-20035/0566  | 11/06/76         | 100           | 9117            | 4840N                        | 05017W        | 21.4         | 153.6        | FGGG                               |                     |                      | 251                     | 26                     |
| 2654-13225        | 00000/0000                   | 2-20035/0567  | 11/06/76         | 90            | 9117            | 4716N                        | 05053W        | 22.5         | 152.9        | GGGG                               |                     |                      | 251                     | 27                     |
| 2654-13232        | 00000/0000                   | 2-20035/0568  | 11/06/76         | 100           | 9117            | 4552N                        | 05129W        | 23.6         | 152.1        | FFGF                               |                     |                      | 251                     | 28                     |
| 2654-13234        | 00000/0000                   | 2-20035/0569  | 11/06/76         | 100           | 9117            | 4428N                        | 05203W        | 24.7         | 151.4        | FGFG                               |                     |                      | 251                     | 29                     |
| 2654-13241        | 00000/0000                   | 2-20035/0570  | 11/06/76         | 100           | 9117            | 4300N                        | 05235W        | 25.7         | 150.6        | FGGG                               |                     |                      | 251                     | 30                     |
| 2654-13243        | 00000/0000                   | 2-20035/0571  | 11/06/76         | 100           | 9117            | 4135N                        | 05305W        | 26.8         | 149.9        | FGGF                               |                     |                      | 251                     | 31                     |
| 2654-15052        | 00000/0000                   | 2-20035/0572  | 11/06/76         | 100           | 9118            | 5005N                        | 07528W        | 20.2         | 154.4        | GGFG                               |                     |                      | 18                      | 25                     |
| 2654-19092        | 2-20037/1357                 | 00000/0000    | 11/06/76         | 20            | 9120            | 7631S                        | 17148E        | 18.8         | 81.2         | GG                                 |                     |                      | 54                      | 115                    |
| 2654-19095        | 2-20037/1358                 | 00000/0000    | 11/06/76         | 20            | 9120            | 7734S                        | 16713E        | 17.6         | 85.2         | GGG                                |                     |                      | 54                      | 116                    |
| 2655-03110        | 00000/0000                   | 2-20036/0045  | 11/07/76         | 10            | 9125            | 4012N                        | 09955E        | 27.7         | 149.2        | FFGG                               |                     |                      | 144                     | 32                     |
| 2655-03113        | 00000/0000                   | 2-20036/0046  | 11/07/76         | 0             | 9125            | 3848N                        | 09926E        | 28.8         | 148.4        | GGGG                               |                     |                      | 144                     | 33                     |

KEYS: CLBD COVER % ..... 0 TO 100 = % CLBD COVER  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2655-04533        | 00000/0000                   | 2-20036/0047                | 11/07/76         | 60             | 9126          | 4302N                              | 07506E                              | 25.5         | 150.7        | GGGG                               |                     |                      | 162                     | 30                     |
| 2655-04592        | 00000/0000                   | 2-20036/0048                | 11/07/76         | 30             | 9126          | 2303N                              | 06901E                              | 39.7         | 138.6        | GGGG                               |                     |                      | 162                     | 44                     |
| 2655-06371        | 00000/0000                   | 2-20036/0049                | 11/07/76         | 90             | 9127          | 4137N                              | 04846E                              | 26.6         | 150.0        | GGGG                               |                     |                      | 180                     | 31                     |
| 2655-06374        | 00000/0000                   | 2-20036/0050                | 11/07/76         | 90             | 9127          | 4012N                              | 04816E                              | 27.7         | 149.2        | GGGG                               |                     |                      | 180                     | 32                     |
| 2655-06380        | 00000/0000                   | 2-20036/0051                | 11/07/76         | 80             | 9127          | 3847N                              | 04747E                              | 28.7         | 148.4        | GGGG                               |                     |                      | 180                     | 33                     |
| 2655-06383        | 00000/0000                   | 2-20036/0052                | 11/07/76         | 10             | 9127          | 3722N                              | 04718E                              | 29.8         | 147.7        | GGGG                               |                     |                      | 180                     | 34                     |
| 2655-06385        | 00000/0000                   | 2-20036/0053                | 11/07/76         | 20             | 9127          | 3556N                              | 04651E                              | 30.8         | 146.9        | GGGG                               |                     |                      | 180                     | 35                     |
| 2655-08162        | 00000/0000                   | 2-20036/00626               | 11/07/76         | 100            | 9128          | 5542N                              | 02917E                              | 15.5         | 157.6        | GGGG                               |                     |                      | 198                     | 21                     |
| 2655-08164        | 00000/0000                   | 2-20036/00627               | 11/07/76         | 90             | 9128          | 5418N                              | 02830E                              | 16.6         | 156.8        | GGGG                               |                     |                      | 198                     | 22                     |
| 2655-08171        | 00000/0000                   | 2-20036/00628               | 11/07/76         | 90             | 9128          | 5254N                              | 02745E                              | 17.8         | 156.0        | GGGG                               |                     |                      | 198                     | 23                     |
| 2655-08173        | 00000/0000                   | 2-20036/00629               | 11/07/76         | 100            | 9128          | 5129N                              | 02702E                              | 18.9         | 155.2        | GGGG                               |                     |                      | 198                     | 24                     |
| 2655-08180        | 00000/0000                   | 2-20036/00630               | 11/07/76         | 100            | 9128          | 5005N                              | 02622E                              | 20.0         | 154.5        | GGGG                               |                     |                      | 198                     | 25                     |
| 2655-08182        | 00000/0000                   | 2-20036/00631               | 11/07/76         | 90             | 9128          | 4841N                              | 02544E                              | 21.1         | 153.7        | GGGG                               |                     |                      | 198                     | 26                     |
| 2655-13265        | 00000/0000                   | 2-20036/0054                | 11/07/76         | 90             | 9131          | 5255N                              | 04940W                              | 17.7         | 156.0        | GGGG                               |                     |                      | 1                       | 23                     |
| 2655-13272        | 00000/0000                   | 2-20036/0055                | 11/07/76         | 90             | 9131          | 5131N                              | 05022W                              | 18.8         | 155.2        | GGGG                               |                     |                      | 1                       | 24                     |
| 2655-13274        | 00000/0000                   | 2-20036/0056                | 11/07/76         | 80             | 9131          | 5008N                              | 05102W                              | 19.9         | 154.5        | GGGG                               |                     |                      | 1                       | 25                     |
| 2655-13281        | 00000/0000                   | 2-20036/0057                | 11/07/76         | 80             | 9131          | 4843N                              | 05140W                              | 21.0         | 153.7        | GGGG                               |                     |                      | 1                       | 26                     |
| 2655-13283        | 00000/0000                   | 2-20036/0058                | 11/07/76         | 70             | 9131          | 4719N                              | 05217W                              | 22.1         | 153.0        | GGGG                               |                     |                      | 1                       | 27                     |
| 2655-13290        | 00000/0000                   | 2-20036/0059                | 11/07/76         | 80             | 9131          | 4553N                              | 05253W                              | 23.2         | 152.2        | GGGG                               |                     |                      | 1                       | 28                     |
| 2655-13292        | 00000/0000                   | 2-20036/0060                | 11/07/76         | 50             | 9131          | 4428N                              | 05326W                              | 24.3         | 151.5        | GGGG                               |                     |                      | 1                       | 29                     |
| 2655-13295        | 00000/0000                   | 2-20036/0061                | 11/07/76         | 70             | 9131          | 4304N                              | 05358W                              | 25.4         | 150.8        | GGGG                               |                     |                      | 1                       | 30                     |
| 2655-13301        | 00000/0000                   | 2-20036/0062                | 11/07/76         | 50             | 9131          | 4139N                              | 05429W                              | 26.5         | 150.0        | GGGG                               |                     |                      | 1                       | 31                     |
| 2655-16533        | 00000/0000                   | 2-20036/0084                | 11/07/76         | 10             | 9133          | 5255N                              | 10121W                              | 17.6         | 156.0        | GGGF                               |                     |                      | 37                      | 23                     |
| 2655-16535        | 00000/0000                   | 2-20036/0085                | 11/07/76         | 10             | 9133          | 5131N                              | 10204W                              | 18.8         | 155.2        | GGGG                               |                     |                      | 37                      | 24                     |
| 2655-19150        | 2-20037/1359                 | 00000/0000                  | 11/07/76         | 20             | 9134          | 7627S                              | 17028E                              | 19.1         | 81.0         | GGG                                |                     |                      | 55                      | 115                    |
| 2655-19153        | 2-20037/1360                 | 00000/0000                  | 11/07/76         | 20             | 9134          | 7730S                              | 16553E                              | 18.0         | 85.1         | G                                  |                     |                      | 55                      | 116                    |
| 2655-00110        | 00000/0000                   | 2-20036/0032                | 11/08/76         | 70             | 9137          | 3132S                              | 13139E                              | 49.6         | 78.1         | GGGG                               |                     |                      | 109                     | 82                     |
| 2655-01342        | 00000/0000                   | 2-20036/0033                | 11/08/76         | 10             | 9138          | 3721N                              | 12321E                              | 29.6         | 147.3        | GGGF                               |                     |                      | 127                     | 34                     |
| 2655-01360        | 00000/0000                   | 2-20036/0034                | 11/08/76         | 20             | 9138          | 3138N                              | 12136E                              | 33.7         | 144.5        | FGGG                               |                     |                      | 127                     | 38                     |
| 2655-01363        | 00000/0000                   | 2-20036/0035                | 11/08/76         | 40             | 9138          | 3012N                              | 12111E                              | 34.7         | 143.6        | FGGG                               |                     |                      | 127                     | 39                     |
| 2655-01365        | 00000/0000                   | 2-20036/0036                | 11/08/76         | 30             | 9138          | 2847N                              | 12047E                              | 35.7         | 142.7        | GGGG                               |                     |                      | 127                     | 40                     |
| 2655-01372        | 00000/0000                   | 2-20036/0037                | 11/08/76         | 60             | 9138          | 2721N                              | 12024E                              | 36.7         | 141.8        | GGGG                               |                     |                      | 127                     | 41                     |
| 2655-03165        | 00000/0000                   | 2-20036/0038                | 11/08/76         | 90             | 9139          | 4012N                              | 09829E                              | 27.4         | 149.3        | GGGG                               |                     |                      | 145                     | 32                     |
| 2655-03171        | 00000/0000                   | 2-20036/0039                | 11/08/76         | 40             | 9139          | 3847N                              | 09800E                              | 28.5         | 148.5        | GGGG                               |                     |                      | 145                     | 33                     |
| 2655-03203        | 00000/0000                   | 2-20036/0040                | 11/08/76         | 60             | 9139          | 2722N                              | 09433E                              | 36.7         | 141.8        | GGGG                               |                     |                      | 145                     | 41                     |
| 2655-04591        | 00000/0000                   | 2-20036/0023                | 11/08/76         | 10             | 9140          | 4302N                              | 07340E                              | 25.3         | 150.8        | GGGG                               |                     |                      | 163                     | 30                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | RAII NR./<br>IN RAIL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RAW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2656-06391        | 00000/0000                   | 2-20036/0224                | 11/08/76         | 100            | 9141            | 5417N                        | 05252E        | 16.4         | 156.8        | GGGG                               |                     |                      | 181                     | 22                     |
| 2656-06393        | 00000/0000                   | 2-20036/0225                | 11/08/76         | 100            | 9141            | 5253N                        | 05207E        | 17.5         | 156.0        | GGGG                               |                     |                      | 181                     | 23                     |
| 2656-06400        | 00000/0000                   | 2-20036/0226                | 11/08/76         | 90             | 9141            | 5129N                        | 05125E        | 18.6         | 155.3        | GGGG                               |                     |                      | 181                     | 24                     |
| 2656-06414        | 00000/0000                   | 2-20036/0227                | 11/08/76         | 10             | 9141            | 4550N                        | 04856E        | 23.1         | 152.3        | GGGG                               |                     |                      | 181                     | 28                     |
| 2656-06420        | 00000/0000                   | 2-20036/0228                | 11/08/76         | 30             | 9141            | 4425N                        | 04822E        | 24.2         | 151.6        | GGGG                               |                     |                      | 181                     | 29                     |
| 2656-06423        | 00000/0000                   | 2-20036/0229                | 11/08/76         | 80             | 9141            | 4301N                        | 04750E        | 25.2         | 150.8        | GGGG                               |                     |                      | 181                     | 30                     |
| 2656-06425        | 00000/0000                   | 2-20036/0230                | 11/08/76         | 60             | 9141            | 4176N                        | 04719E        | 26.3         | 150.1        | GGGG                               |                     |                      | 181                     | 31                     |
| 2656-06432        | 00000/0000                   | 2-20036/0063                | 11/08/76         | 90             | 9141            | 4011N                        | 04649E        | 27.4         | 149.3        | FGGG                               |                     |                      | 181                     | 32                     |
| 2656-06434        | 00000/0000                   | 2-20036/0064                | 11/08/76         | 40             | 9141            | 3845N                        | 04620E        | 28.5         | 148.6        | GGGG                               |                     |                      | 181                     | 33                     |
| 2656-06441        | 00000/0000                   | 2-20036/0065                | 11/08/76         | 10             | 9141            | 3721N                        | 04552E        | 29.5         | 147.8        | GGGG                               |                     |                      | 181                     | 34                     |
| 2656-06443        | 00000/0000                   | 2-20036/0066                | 11/08/76         | 10             | 9141            | 3555N                        | 04524E        | 30.6         | 147.0        | GGGG                               |                     |                      | 181                     | 35                     |
| 2656-06450        | 00000/0000                   | 2-20036/0067                | 11/08/76         | 30             | 9141            | 3430N                        | 04458E        | 31.6         | 146.2        | GGGG                               |                     |                      | 181                     | 36                     |
| 2656-08222        | 00000/0000                   | 2-20036/0068                | 11/08/76         | 100            | 9142            | 5417N                        | 02705E        | 16.3         | 156.8        | GGGG                               |                     |                      | 199                     | 22                     |
| 2656-08225        | 00000/0000                   | 2-20036/0069                | 11/08/76         | 100            | 9142            | 5253N                        | 02620E        | 17.5         | 156.0        | GGGG                               |                     |                      | 199                     | 23                     |
| 2656-08231        | 00000/0000                   | 2-20036/0070                | 11/08/76         | 90             | 9142            | 5130N                        | 02538E        | 18.6         | 155.3        | GGGG                               |                     |                      | 199                     | 24                     |
| 2656-08234        | 00000/0000                   | 2-20036/0071                | 11/08/76         | 90             | 9142            | 5055N                        | 02458E        | 19.7         | 154.5        | GGGG                               |                     |                      | 199                     | 25                     |
| 2656-08240        | 00000/0000                   | 2-20036/0072                | 11/08/76         | 90             | 9142            | 4841N                        | 02419E        | 20.8         | 153.8        | GGGG                               |                     |                      | 199                     | 26                     |
| 2656-08243        | 00000/0000                   | 2-20036/0073                | 11/08/76         | 90             | 9142            | 4716N                        | 02343E        | 21.9         | 153.0        | GGGG                               |                     |                      | 199                     | 27                     |
| 2656-13321        | 00000/0000                   | 2-20036/0086                | 11/08/76         | 90             | 9145            | 5419N                        | 05021W        | 16.3         | 156.9        | GGGG                               |                     |                      | 2                       | 22                     |
| 2656-13324        | 00000/0000                   | 2-20036/0087                | 11/08/76         | 90             | 9145            | 5255N                        | 05106W        | 17.4         | 156.1        | GGGG                               |                     |                      | 2                       | 23                     |
| 2656-13330        | 00000/0000                   | 2-20036/0088                | 11/08/76         | 60             | 9145            | 5131N                        | 05149W        | 18.5         | 155.3        | GGGG                               |                     |                      | 2                       | 24                     |
| 2656-13333        | 00000/0000                   | 2-20036/0089                | 11/08/76         | 20             | 9145            | 5007N                        | 05229W        | 19.6         | 154.5        | GGGG                               |                     |                      | 2                       | 25                     |
| 2656-13335        | 00000/0000                   | 2-20036/0090                | 11/08/76         | 10             | 9145            | 4842N                        | 05308W        | 20.8         | 153.8        | GGGG                               |                     |                      | 2                       | 26                     |
| 2656-13342        | 00000/0000                   | 2-20036/0091                | 11/08/76         | 60             | 9145            | 4717N                        | 05344W        | 21.9         | 153.1        | GGGG                               |                     |                      | 2                       | 27                     |
| 2656-13344        | 00000/0000                   | 2-20036/0092                | 11/08/76         | 90             | 9145            | 4553N                        | 05418W        | 23.0         | 152.3        | GGGG                               |                     |                      | 2                       | 28                     |
| 2656-13351        | 00000/0000                   | 2-20036/0093                | 11/08/76         | 100            | 9145            | 4429N                        | 05451W        | 24.1         | 151.6        | GGGG                               |                     |                      | 2                       | 29                     |
| 2656-13353        | 00000/0000                   | 2-20036/0094                | 11/08/76         | 90             | 9145            | 4303N                        | 05524W        | 25.2         | 150.8        | GGGG                               |                     |                      | 2                       | 30                     |
| 2656-13360        | 00000/0000                   | 2-20036/0095                | 11/08/76         | 90             | 9145            | 4184N                        | 05555W        | 26.2         | 150.1        | GGGG                               |                     |                      | 2                       | 31                     |
| 2656-15153        | 00000/0000                   | 2-20036/0096                | 11/08/76         | 90             | 9146            | 5419N                        | 07614W        | 16.2         | 156.9        | GGGG                               |                     |                      | 20                      | 22                     |
| 2656-15155        | 00000/0000                   | 2-20036/0097                | 11/08/76         | 90             | 9146            | 5256N                        | 07658W        | 17.4         | 156.1        | GGGG                               |                     |                      | 20                      | 23                     |
| 2656-15162        | 00000/0000                   | 2-20036/0098                | 11/08/76         | 70             | 9146            | 5132N                        | 07740W        | 18.5         | 155.3        | GGGG                               |                     |                      | 20                      | 24                     |
| 2656-15164        | 00000/0000                   | 2-20036/0099                | 11/08/76         | 70             | 9146            | 5007N                        | 07821W        | 19.6         | 154.5        | GGGG                               |                     |                      | 20                      | 25                     |
| 2656-16593        | 00000/0000                   | 2-20036/0100                | 11/08/76         | 10             | 9147            | 5132N                        | 10325W        | 18.5         | 155.3        | GGGG                               |                     |                      | 38                      | 24                     |
| 2657-01400        | 00000/0000                   | 2-20036/0074                | 11/08/76         | 80             | 9152            | 3721N                        | 12157E        | 29.3         | 147.9        | GGGG                               |                     |                      | 128                     | 34                     |
| 2657-01403        | 00000/0000                   | 2-20036/0075                | 11/08/76         | 40             | 9152            | 3555N                        | 12130E        | 30.4         | 147.1        | FGGG                               |                     |                      | 128                     | 35                     |
| 2657-01405        | 00000/0000                   | 2-20036/0076                | 11/08/76         | 50             | 9152            | 3430N                        | 12103E        | 31.4         | 146.3        | FGGG                               |                     |                      | 128                     | 36                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | WICR5FILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|-------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2657-01412        | 00000/0000                   | 2-20036/0077                | 11/09/76         | 30          | 9152            | 3304N                        | 12037E        | 32.4         | 145.5        | FGGG                               |                     |                      | 128                     | 37                     |
| 2657-01414        | 00000/0000                   | 2-20036/0078                | 11/09/76         | 10          | 9152            | 3138N                        | 12012E        | 33.4         | 144.6        | FGGG                               |                     |                      | 128                     | 38                     |
| 2657-01421        | 00000/0000                   | 2-20036/0079                | 11/09/76         | 30          | 9152            | 3012N                        | 11947E        | 34.5         | 143.8        | GGGG                               |                     |                      | 128                     | 39                     |
| 2657-01423        | 00000/0000                   | 2-20036/0080                | 11/09/76         | 10          | 9152            | 2847N                        | 11923E        | 35.4         | 142.9        | GGGG                               |                     |                      | 128                     | 40                     |
| 2657-01430        | 00000/0000                   | 2-20036/0081                | 11/09/76         | 10          | 9152            | 2721N                        | 11859E        | 36.4         | 141.9        | GGGG                               |                     |                      | 128                     | 41                     |
| 2657-01432        | 00000/0000                   | 2-20036/0082                | 11/09/76         | 50          | 9152            | 2554N                        | 11836E        | 37.4         | 141.0        | GGGG                               |                     |                      | 128                     | 42                     |
| 2657-01435        | 00000/0000                   | 2-20036/0083                | 11/09/76         | 50          | 9152            | 2429N                        | 11813E        | 38.3         | 140.0        | GGGG                               |                     |                      | 128                     | 43                     |
| 2657-03220        | 00000/0000                   | 2-20036/0116                | 11/09/76         | 10          | 9153            | 4136N                        | 09735E        | 26.1         | 150.2        | FGGG                               |                     |                      | 146                     | 31                     |
| 2657-03232        | 00000/0000                   | 2-20036/0117                | 11/09/76         | 20          | 9153            | 3720N                        | 09608E        | 29.3         | 147.9        | GGGG                               |                     |                      | 146                     | 34                     |
| 2657-03234        | 00000/0000                   | 2-20036/0118                | 11/09/76         | 20          | 9153            | 3554N                        | 09540E        | 30.3         | 147.1        | GGGG                               |                     |                      | 146                     | 35                     |
| 2657-03241        | 00000/0000                   | 2-20036/0119                | 11/09/76         | 10          | 9153            | 3429N                        | 09514E        | 31.4         | 146.3        | GGGG                               |                     |                      | 146                     | 36                     |
| 2657-03243        | 00000/0000                   | 2-20036/0120                | 11/09/76         | 10          | 9153            | 3304N                        | 09448E        | 32.4         | 145.5        | FFFF                               |                     |                      | 146                     | 37                     |
| 2657-03250        | 00000/0000                   | 2-20036/0121                | 11/09/76         | 40          | 9153            | 3138N                        | 09423E        | 33.4         | 144.6        | GGGG                               |                     |                      | 146                     | 38                     |
| 2657-03252        | 00000/0000                   | 2-20036/0122                | 11/09/76         | 40          | 9153            | 3012N                        | 09358E        | 34.4         | 143.8        | GGGG                               |                     |                      | 146                     | 39                     |
| 2657-03255        | 00000/0000                   | 2-20036/0123                | 11/09/76         | 30          | 9153            | 2846N                        | 09334E        | 35.4         | 142.9        | GGGG                               |                     |                      | 146                     | 40                     |
| 2657-03261        | 00000/0000                   | 2-20036/0124                | 11/09/76         | 70          | 9153            | 2720N                        | 09310E        | 36.4         | 142.0        | GGGG                               |                     |                      | 146                     | 41                     |
| 2657-03264        | 00000/0000                   | 2-20036/0125                | 11/09/76         | 50          | 9153            | 2554N                        | 09247E        | 37.4         | 141.0        | GGGG                               |                     |                      | 146                     | 42                     |
| 2657-03270        | 00000/0000                   | 2-20036/0126                | 11/09/76         | 20          | 9153            | 2428N                        | 09224E        | 38.3         | 140.0        | GGGG                               |                     |                      | 146                     | 43                     |
| 2657-03273        | 00000/0000                   | 2-20036/0127                | 11/09/76         | 20          | 9153            | 2302N                        | 09201E        | 39.3         | 139.0        | GGGG                               |                     |                      | 146                     | 44                     |
| 2657-03284        | 00000/0000                   | 2-20036/0128                | 11/09/76         | 10          | 9153            | 1843N                        | 09056E        | 41.9         | 135.8        | FGGG                               |                     |                      | 146                     | 47                     |
| 2657-05020        | 00000/0000                   | 2-20036/0129                | 11/09/76         | 60          | 9154            | 5252N                        | 07630E        | 17.2         | 156.1        | GGGG                               |                     |                      | 164                     | 23                     |
| 2657-05022        | 00000/0000                   | 2-20036/0130                | 11/09/76         | 60          | 9154            | 5128N                        | 07548E        | 18.3         | 155.3        | GGGG                               |                     |                      | 164                     | 24                     |
| 2657-05025        | 00000/0000                   | 2-20036/0131                | 11/09/76         | 40          | 9154            | 5004N                        | 07509E        | 19.5         | 154.6        | GGGG                               |                     |                      | 164                     | 25                     |
| 2657-05031        | 00000/0000                   | 2-20036/0132                | 11/09/76         | 20          | 9154            | 4819N                        | 07431E        | 20.6         | 153.8        | GGGG                               |                     |                      | 164                     | 26                     |
| 2657-05034        | 00000/0000                   | 2-20036/0133                | 11/09/76         | 10          | 9154            | 4715N                        | 07355E        | 21.7         | 153.1        | GGGG                               |                     |                      | 164                     | 27                     |
| 2657-05040        | 00000/0000                   | 2-20036/0134                | 11/09/76         | 20          | 9154            | 4550N                        | 07320E        | 22.8         | 152.4        | GGGG                               |                     |                      | 164                     | 28                     |
| 2657-05043        | 00000/0000                   | 2-20036/0135                | 11/09/76         | 10          | 9154            | 4425N                        | 07246E        | 23.9         | 151.6        | GGGG                               |                     |                      | 164                     | 29                     |
| 2657-05045        | 00000/0000                   | 2-20036/0136                | 11/09/76         | 20          | 9154            | 4300N                        | 07214E        | 25.0         | 150.9        | GGGG                               |                     |                      | 164                     | 30                     |
| 2657-05052        | 00000/0000                   | 2-20036/0137                | 11/09/76         | 50          | 9154            | 4175N                        | 07142E        | 26.1         | 150.2        | GGGG                               |                     |                      | 164                     | 31                     |
| 2657-05054        | 00000/0000                   | 2-20036/0138                | 11/09/76         | 50          | 9154            | 4010N                        | 07112E        | 27.2         | 149.4        | GGGG                               |                     |                      | 164                     | 32                     |
| 2657-05061        | 00000/0000                   | 2-20036/0139                | 11/09/76         | 50          | 9154            | 3845N                        | 07043E        | 28.2         | 148.7        | GGGG                               |                     |                      | 164                     | 33                     |
| 2657-05063        | 00000/0000                   | 2-20036/0140                | 11/09/76         | 50          | 9154            | 3720N                        | 07014E        | 29.3         | 147.9        | GGGG                               |                     |                      | 164                     | 34                     |
| 2657-05070        | 00000/0000                   | 2-20036/0141                | 11/09/76         | 30          | 9154            | 3554N                        | 06947E        | 30.3         | 147.1        | GGGG                               |                     |                      | 164                     | 35                     |
| 2657-05072        | 00000/0000                   | 2-20036/0142                | 11/09/76         | 10          | 9154            | 3429N                        | 06920E        | 31.4         | 146.3        | GGGG                               |                     |                      | 164                     | 36                     |
| 2657-05075        | 00000/0000                   | 2-20036/0143                | 11/09/76         | 10          | 9154            | 3304N                        | 06854E        | 32.4         | 145.5        | GGGG                               |                     |                      | 164                     | 37                     |
| 2657-05081        | 00000/0000                   | 2-20036/0144                | 11/09/76         | 0           | 9154            | 3138N                        | 06829E        | 33.4         | 144.6        | GGGG                               |                     |                      | 164                     | 38                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE G=GOOD P=POOR F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNRECORDED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-------------|-----------------|------------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2657-05084        | 30000/0300 2-20036/0145                        | 11/09/76         | 0           | 9154            | 3012N                              | 06805E        | 34.4         | 143.8        |                                    |                     |                      |                         |                        |
| 2657-05090        | 30000/0300 2-20036/0146                        | 11/09/76         | 0           | 9154            | 2846N                              | 06740E        | 35.4         | 142.9        | GGGG                               |                     |                      | 164                     | 39                     |
| 2657-05093        | 30000/0300 2-20036/0147                        | 11/09/76         | 0           | 9154            | 2720N                              | 06717E        | 36.4         | 142.0        | GGGG                               |                     |                      | 164                     | 40                     |
| 2657-05095        | 30000/0300 2-20036/0148                        | 11/09/76         | 0           | 9154            | 2554N                              | 06653E        | 37.4         | 141.0        | GGGG                               |                     |                      | 164                     | 41                     |
| 2657-05102        | 30000/0300 2-20036/0149                        | 11/09/76         | 10          | 9154            | 2429N                              | 06630E        | 38.3         | 140.0        | GGGG                               |                     |                      | 164                     | 42                     |
| 2657-05104        | 30000/0300 2-20036/0150                        | 11/09/76         | 10          | 9154            | 2302N                              | 06608E        | 39.2         | 139.0        | GGGG                               |                     |                      | 164                     | 43                     |
| 2657-05111        | 30000/0300 2-20036/0151                        | 11/09/76         | 10          | 9154            | 2135N                              | 06545E        | 40.2         | 138.0        | GGGG                               |                     |                      | 164                     | 44                     |
| 2657-05113        | 30000/0300 2-20036/0152                        | 11/09/76         | 10          | 9154            | 2009N                              | 06524E        | 41.0         | 136.9        | GGGG                               |                     |                      | 164                     | 45                     |
| 2657-05120        | 30000/0300 2-20036/0153                        | 11/09/76         | 10          | 9154            | 1843N                              | 06502E        | 41.9         | 135.8        | GGGG                               |                     |                      | 164                     | 46                     |
| 2657-06445        | 30000/0300 2-20036/0210                        | 11/09/76         | 90          | 9155            | 5416N                              | 05127E        | 16.1         | 156.9        | GGGG                               |                     |                      | 182                     | 22                     |
| 2657-06452        | 30000/0300 2-20036/0211                        | 11/09/76         | 100         | 9155            | 5252N                              | 05042E        | 17.2         | 156.1        | GGGG                               |                     |                      | 182                     | 23                     |
| 2657-06454        | 30000/0300 2-20036/0212                        | 11/09/76         | 90          | 9155            | 5128N                              | 05000E        | 18.3         | 155.3        | GGGG                               |                     |                      | 182                     | 24                     |
| 2657-06472        | 30000/0300 2-20036/0213                        | 11/09/76         | 10          | 9155            | 4550N                              | 04731E        | 22.8         | 152.4        | GGGG                               |                     |                      | 182                     | 25                     |
| 2657-06475        | 30000/0300 2-20036/0210                        | 11/09/76         | 20          | 9155            | 4425N                              | 04657E        | 23.9         | 151.6        | GGGG                               |                     |                      | 182                     | 26                     |
| 2657-06481        | 30000/0300 2-20036/0212                        | 11/09/76         | 30          | 9155            | 4300N                              | 04625E        | 25.0         | 150.9        | GGGG                               |                     |                      | 182                     | 27                     |
| 2657-06484        | 30000/0300 2-20036/0213                        | 11/09/76         | 90          | 9155            | 4135N                              | 04553E        | 26.1         | 150.2        | GGGG                               |                     |                      | 182                     | 28                     |
| 2657-06490        | 30000/0300 2-20036/0214                        | 11/09/76         | 20          | 9155            | 4010N                              | 04523E        | 27.1         | 149.4        | GGGG                               |                     |                      | 182                     | 29                     |
| 2657-06493        | 30000/0300 2-20036/0215                        | 11/09/76         | 10          | 9155            | 3845N                              | 04454E        | 28.2         | 148.7        | GGGG                               |                     |                      | 182                     | 30                     |
| 2657-08292        | 30000/0300 2-20036/0216                        | 11/09/76         | 90          | 9156            | 5007N                              | 02332E        | 19.4         | 154.6        | GGGG                               |                     |                      | 200                     | 25                     |
| 2657-08295        | 30000/0300 2-20036/0217                        | 11/09/76         | 70          | 9156            | 4843N                              | 02254E        | 20.5         | 153.9        | GGGG                               |                     |                      | 200                     | 26                     |
| 2657-12180        | 30000/0300 2-20036/0218                        | 11/09/76         | 10          | 9158            | 2505S                              | 04732W        | 51.6         | 84.9         | GGGG                               |                     |                      | 236                     | 78                     |
| 2657-12182        | 30000/0300 2-20036/0219                        | 11/09/76         | 10          | 9158            | 2717S                              | 04915W        | 51.2         | 83.2         | GGGG                               |                     |                      | 236                     | 79                     |
| 2657-12185        | 30000/0300 2-20036/0220                        | 11/09/76         | 10          | 9158            | 2842S                              | 04939W        | 50.8         | 81.7         | FFFF                               |                     |                      | 236                     | 80                     |
| 2657-13375        | 30000/0300 2-20036/0221                        | 11/09/76         | 90          | 9159            | 5418N                              | 05150W        | 16.0         | 156.9        | GGGG                               |                     |                      | 3                       | 22                     |
| 2657-13382        | 30000/0300 2-20036/0222                        | 11/09/76         | 90          | 9159            | 5253N                              | 05235W        | 17.1         | 156.1        | GGGG                               |                     |                      | 3                       | 23                     |
| 2657-13384        | 30000/0300 2-20036/0223                        | 11/09/76         | 90          | 9159            | 5130N                              | 05317W        | 18.2         | 155.3        | GGGG                               |                     |                      | 3                       | 24                     |
| 2657-13391        | 30000/0300 2-20036/0224                        | 11/09/76         | 90          | 9159            | 5006N                              | 05357W        | 19.4         | 154.6        | GGGG                               |                     |                      | 3                       | 25                     |
| 2657-13393        | 30000/0300 2-20036/0225                        | 11/09/76         | 70          | 9159            | 4841N                              | 05435W        | 20.5         | 153.9        | GGGG                               |                     |                      | 3                       | 26                     |
| 2657-13400        | 30000/0300 2-20036/0226                        | 11/09/76         | 90          | 9159            | 4717N                              | 05511W        | 21.6         | 153.1        | GGGG                               |                     |                      | 3                       | 27                     |
| 2657-13402        | 30000/0300 2-20036/0227                        | 11/09/76         | 90          | 9159            | 4552N                              | 05546W        | 22.7         | 152.4        | GGGG                               |                     |                      | 3                       | 28                     |
| 2657-13405        | 30000/0300 2-20036/0228                        | 11/09/76         | 80          | 9159            | 4426N                              | 05620W        | 23.8         | 151.7        | GGGG                               |                     |                      | 3                       | 29                     |
| 2657-13411        | 30000/0300 2-20036/0229                        | 11/09/76         | 70          | 9159            | 4302N                              | 05652W        | 24.9         | 150.9        | GGGG                               |                     |                      | 3                       | 30                     |
| 2657-13414        | 30000/0300 2-20036/0230                        | 11/09/76         | 70          | 9159            | 4137N                              | 05722W        | 26.0         | 150.2        | GGGG                               |                     |                      | 3                       | 31                     |
| 2657-17034        | 30000/0300 2-20036/0231                        | 11/09/76         | 90          | 9161            | 5705N                              | 10150W        | 13.7         | 158.5        | GGGG                               |                     |                      | 39                      | 20                     |
| 2657-17040        | 30000/0300 2-20036/0232                        | 11/09/76         | 90          | 9161            | 5542N                              | 10240W        | 14.8         | 157.7        | GGGG                               |                     |                      | 39                      | 21                     |
| 2657-17043        | 30000/0300 2-20036/0233                        | 11/09/76         | 90          | 9161            | 5418N                              | 10328W        | 15.9         | 156.9        | GGGG                               |                     |                      | 39                      | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | LONG  | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | QUAL<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-------------|-----------------|------------------------------------|-------|--------------|--------------|-----------------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2657-17045        | 00000/0000                                     | 2-20036/0114     | 11/09/76    | 90              | 9161                               | 5254N | 10413W       | 17.1         | 156.1                 | GGG               |                     |                      |                         |                        |
| 2657-17052        | 00000/0000                                     | 2-20036/0115     | 11/09/76    | 70              | 9161                               | 5130N | 10455W       | 18.2         | 155.3                 | GGGG              |                     |                      | 39                      | 23                     |
| 2658-01454        | 00000/0000                                     | 2-20036/0214     | 11/10/76    | 90              | 9166                               | 3720N | 12027E       | 29.0         | 148.0                 | GGGG              |                     |                      | 39                      | 24                     |
| 2658-01461        | 00000/0000                                     | 2-20036/0215     | 11/10/76    | 90              | 9166                               | 3544N | 11959E       | 30.1         | 147.2                 | GGGG              |                     |                      | 129                     | 34                     |
| 2658-01463        | 00000/0000                                     | 2-20036/0216     | 11/10/76    | 100             | 9166                               | 3429N | 11933E       | 31.1         | 146.4                 | GGGG              |                     |                      | 129                     | 35                     |
| 2658-01470        | 00000/0000                                     | 2-20036/0217     | 11/10/76    | 100             | 9166                               | 3303N | 11907E       | 32.2         | 145.6                 | GGGG              |                     |                      | 129                     | 36                     |
| 2658-01472        | 00000/0000                                     | 2-20036/0218     | 11/10/76    | 100             | 9166                               | 3137N | 11841E       | 33.2         | 144.8                 | GGGG              |                     |                      | 129                     | 37                     |
| 2658-01484        | 00000/0000                                     | 2-20036/0219     | 11/10/76    | 20              | 9166                               | 2720N | 11729E       | 36.2         | 142.1                 | GGGG              |                     |                      | 129                     | 38                     |
| 2658-01490        | 00000/0000                                     | 2-20036/0220     | 11/10/76    | 30              | 9166                               | 2554N | 11706E       | 37.1         | 141.2                 | GGGG              |                     |                      | 129                     | 41                     |
| 2658-01493        | 00000/0000                                     | 2-20036/0221     | 11/10/76    | 10              | 9166                               | 2429N | 11643E       | 38.1         | 140.2                 | GGGG              |                     |                      | 129                     | 42                     |
| 2658-01495        | 00000/0000                                     | 2-20036/0222     | 11/10/76    | 10              | 9166                               | 2303N | 11620E       | 39.0         | 139.2                 | GGGG              |                     |                      | 129                     | 43                     |
| 2658-03275        | 00000/0000                                     | 2-20036/0154     | 11/10/76    | 10              | 9167                               | 4135N | 09607E       | 25.8         | 150.2                 | GGGG              |                     |                      | 129                     | 44                     |
| 2658-03281        | 00000/0000                                     | 2-20036/0155     | 11/10/76    | 10              | 9167                               | 4010N | 09537E       | 26.9         | 149.5                 | GGGG              |                     |                      | 147                     | 31                     |
| 2658-03290        | 00000/0000                                     | 2-20036/0156     | 11/10/76    | 10              | 9167                               | 3720N | 09439E       | 29.0         | 148.0                 | GGGG              |                     |                      | 147                     | 32                     |
| 2658-03293        | 00000/0000                                     | 2-20036/0157     | 11/10/76    | 20              | 9167                               | 3555N | 09412E       | 30.1         | 147.2                 | GGGG              |                     |                      | 147                     | 34                     |
| 2658-03295        | 00000/0000                                     | 2-20036/0158     | 11/10/76    | 10              | 9167                               | 3429N | 09345E       | 31.1         | 146.4                 | GGGG              |                     |                      | 147                     | 35                     |
| 2658-03302        | 00000/0000                                     | 2-20036/0159     | 11/10/76    | 10              | 9167                               | 3303N | 09319E       | 32.2         | 145.6                 | GGGG              |                     |                      | 147                     | 36                     |
| 2658-03304        | 00000/0000                                     | 2-20036/0160     | 11/10/76    | 10              | 9167                               | 3138N | 09253E       | 33.2         | 144.8                 | GGGG              |                     |                      | 147                     | 37                     |
| 2658-03311        | 00000/0000                                     | 2-20036/0161     | 11/10/76    | 0               | 9167                               | 3012N | 09229E       | 34.2         | 143.9                 | GGGG              |                     |                      | 147                     | 38                     |
| 2658-03320        | 00000/0000                                     | 2-20036/0162     | 11/10/76    | 50              | 9167                               | 2720N | 09141E       | 36.2         | 142.1                 | GGGG              |                     |                      | 147                     | 39                     |
| 2658-03322        | 00000/0000                                     | 2-20036/0163     | 11/10/76    | 30              | 9167                               | 2555N | 09118E       | 37.1         | 141.2                 | GGGG              |                     |                      | 147                     | 41                     |
| 2658-03325        | 00000/0000                                     | 2-20036/0164     | 11/10/76    | 10              | 9167                               | 2429N | 09055E       | 38.1         | 140.2                 | GGGG              |                     |                      | 147                     | 42                     |
| 2658-03331        | 00000/0000                                     | 2-20036/0165     | 11/10/76    | 10              | 9167                               | 2303N | 09032E       | 39.0         | 139.2                 | GGGG              |                     |                      | 147                     | 43                     |
| 2658-03334        | 00000/0000                                     | 2-20036/0166     | 11/10/76    | 10              | 9167                               | 2136N | 09010E       | 39.9         | 138.2                 | GGGG              |                     |                      | 147                     | 44                     |
| 2658-03340        | 00000/0000                                     | 2-20036/0167     | 11/10/76    | 70              | 9167                               | 2010N | 08948E       | 40.8         | 137.1                 | GGGG              |                     |                      | 147                     | 45                     |
| 2658-03343        | 00000/0000                                     | 2-20036/0168     | 11/10/76    | 10              | 9167                               | 1844N | 08926E       | 41.7         | 136.0                 | GGGG              |                     |                      | 147                     | 46                     |
| 2658-03345        | 00000/0000                                     | 2-20036/0169     | 11/10/76    | 10              | 9167                               | 1718N | 08905E       | 42.6         | 134.9                 | PFFG              |                     |                      | 147                     | 47                     |
| 2658-05074        | 00000/0000                                     | 2-20036/0170     | 11/10/76    | 10              | 9168                               | 5256N | 07506E       | 16.9         | 156.2                 | GGGF              |                     |                      | 147                     | 48                     |
| 2658-05081        | 00000/0000                                     | 2-20036/0171     | 11/10/76    | 10              | 9168                               | 5132N | 07424E       | 18.0         | 155.4                 | GGGG              |                     |                      | 165                     | 23                     |
| 2658-05083        | 00000/0000                                     | 2-20036/0172     | 11/10/76    | 40              | 9168                               | 5008N | 07344E       | 19.1         | 154.7                 | GGGG              |                     |                      | 165                     | 24                     |
| 2658-05090        | 00000/0000                                     | 2-20036/0173     | 11/10/76    | 50              | 9168                               | 4843N | 07306E       | 20.3         | 153.9                 | GGGG              |                     |                      | 165                     | 25                     |
| 2658-05092        | 00000/0000                                     | 2-20036/0174     | 11/10/76    | 90              | 9168                               | 4719N | 07229E       | 21.4         | 153.2                 | GGGG              |                     |                      | 165                     | 26                     |
| 2658-05095        | 00000/0000                                     | 2-20036/0175     | 11/10/76    | 80              | 9168                               | 4554N | 07154E       | 22.5         | 152.5                 | GGGG              |                     |                      | 165                     | 27                     |
| 2658-05101        | 00000/0000                                     | 2-20036/0176     | 11/10/76    | 80              | 9168                               | 4430N | 07120E       | 23.6         | 151.7                 | GGGG              |                     |                      | 165                     | 28                     |
| 2658-05104        | 00000/0000                                     | 2-20036/0177     | 11/10/76    | 80              | 9168                               | 4305N | 07048E       | 24.7         | 151.0                 | GGGG              |                     |                      | 165                     | 29                     |
| 2658-05110        | 00000/0000                                     | 2-20036/0178     | 11/10/76    | 90              | 9168                               | 4139N | 07017E       | 25.8         | 150.3                 | GGGG              |                     |                      | 165                     | 30                     |
|                   |                                                |                  |             |                 |                                    |       |              |              |                       |                   |                     |                      | 165                     | 31                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FBI: NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>POINT<br>OF IMAGE<br>LAT LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------------------------|------------------|----------------|------------------------|--------------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                                                    |                  |                |                        |                                            |              |              | 123 45678             |                     |                      |                         |                        |
| 2658-05113        | 00000/0000 2-20036/0179                            | 11/10/76         | 80             | 9168                   | 4013N 06947E                               | 26.8         | 149.5        | GGGG                  |                     |                      | 165                     | 32                     |
| 2658-05115        | 00000/0000 2-20036/0180                            | 11/10/76         | 90             | 9168                   | 3848N 06918E                               | 27.9         | 148.8        | GGGG                  |                     |                      | 165                     | 33                     |
| 2658-05122        | 00000/0000 2-20036/0181                            | 11/10/76         | 90             | 9168                   | 3723N 06850E                               | 29.0         | 148.0        | GGGG                  |                     |                      | 165                     | 34                     |
| 2658-05124        | 00000/0000 2-20036/0182                            | 11/10/76         | 90             | 9168                   | 3558N 06822E                               | 30.0         | 147.2        | GGGG                  |                     |                      | 165                     | 35                     |
| 2658-05133        | 00000/0000 2-20036/0183                            | 11/10/76         | 0              | 9168                   | 3377N 06729E                               | 32.1         | 145.6        | GGGG                  |                     |                      | 165                     | 37                     |
| 2658-05140        | 00000/0000 2-20036/0184                            | 11/10/76         | 0              | 9168                   | 3141N 06704E                               | 33.1         | 144.8        | GGGG                  |                     |                      | 165                     | 38                     |
| 2658-05142        | 00000/0000 2-20036/0185                            | 11/10/76         | 0              | 9168                   | 3016N 06639E                               | 34.1         | 144.0        | GGGG                  |                     |                      | 165                     | 39                     |
| 2658-05145        | 00000/0000 2-20036/0186                            | 11/10/76         | 0              | 9168                   | 2850N 06615E                               | 35.1         | 143.1        | GGGG                  |                     |                      | 165                     | 40                     |
| 2658-05151        | 00000/0000 2-20036/0187                            | 11/10/76         | 0              | 9168                   | 2723N 06551E                               | 36.1         | 142.2        | GGGG                  |                     |                      | 165                     | 41                     |
| 2658-05154        | 00000/0000 2-20036/0188                            | 11/10/76         | 0              | 9168                   | 2557N 06528E                               | 37.1         | 141.2        | GGGG                  |                     |                      | 165                     | 42                     |
| 2658-05160        | 00000/0000 2-20036/0189                            | 11/10/76         | 0              | 9168                   | 2431N 06505E                               | 38.0         | 140.3        | GGGG                  |                     |                      | 165                     | 43                     |
| 2658-05163        | 00000/0000 2-20036/0190                            | 11/10/76         | 10             | 9168                   | 2305N 06442E                               | 39.0         | 139.3        | GGGG                  |                     |                      | 165                     | 44                     |
| 2658-05165        | 00000/0000 2-20036/0191                            | 11/10/76         | 10             | 9168                   | 2139N 06420E                               | 39.9         | 138.2        | GGGG                  |                     |                      | 165                     | 45                     |
| 2658-05172        | 00000/0000 2-20036/0192                            | 11/10/76         | 10             | 9168                   | 2013N 06359E                               | 40.8         | 137.2        | GGGG                  |                     |                      | 165                     | 46                     |
| 2658-06492        | 00000/0000 2-20036/0249                            | 11/10/76         | 90             | 9169                   | 5829N 05233E                               | 12.3         | 159.5        | GGGG                  |                     |                      | 183                     | 19                     |
| 2658-06494        | 00000/0000 2-20036/0250                            | 11/10/76         | 80             | 9169                   | 5706N 05138E                               | 13.5         | 158.6        | GGGG                  |                     |                      | 183                     | 20                     |
| 2658-06501        | 00000/0000 2-20036/0251                            | 11/10/76         | 30             | 9169                   | 5542N 05048E                               | 14.6         | 157.7        | GGGG                  |                     |                      | 183                     | 21                     |
| 2658-06503        | 00000/0000 2-20036/0252                            | 11/10/76         | 60             | 9169                   | 5419N 05001E                               | 15.8         | 156.9        | GGGG                  |                     |                      | 183                     | 22                     |
| 2658-06510        | 00000/0000 2-20036/0253                            | 11/10/76         | 90             | 9169                   | 5255N 04917E                               | 16.9         | 156.2        | GGGG                  |                     |                      | 183                     | 23                     |
| 2658-06512        | 00000/0000 2-20036/0254                            | 11/10/76         | 90             | 9169                   | 5131N 04835E                               | 18.0         | 155.4        | GGGG                  |                     |                      | 183                     | 24                     |
| 2658-06515        | 00000/0000 2-20036/0255                            | 11/10/76         | 100            | 9169                   | 5007N 04755E                               | 19.1         | 154.7        | GGGG                  |                     |                      | 183                     | 25                     |
| 2658-06521        | 00000/0000 2-20036/0256                            | 11/10/76         | 90             | 9169                   | 4843N 04716E                               | 20.3         | 153.9        | GGGG                  |                     |                      | 183                     | 26                     |
| 2658-06524        | 00000/0000 2-20036/0257                            | 11/10/76         | 90             | 9169                   | 4719N 04640E                               | 21.4         | 153.2        | GGGG                  |                     |                      | 183                     | 27                     |
| 2658-06530        | 00000/0000 2-20036/0258                            | 11/10/76         | 70             | 9169                   | 4554N 04605E                               | 22.5         | 152.5        | GGGG                  |                     |                      | 183                     | 28                     |
| 2658-06533        | 00000/0000 2-20036/0259                            | 11/10/76         | 70             | 9169                   | 4429N 04532E                               | 23.6         | 151.7        | GGGG                  |                     |                      | 183                     | 29                     |
| 2658-06535        | 00000/0000 2-20036/0260                            | 11/10/76         | 60             | 9169                   | 4303N 04500E                               | 24.7         | 151.0        | GGGG                  |                     |                      | 183                     | 30                     |
| 2658-06542        | 00000/0000 2-20036/0261                            | 11/10/76         | 60             | 9169                   | 4139N 04429E                               | 25.8         | 150.3        | GGGG                  |                     |                      | 183                     | 31                     |
| 2658-06544        | 00000/0000 2-20036/0262                            | 11/10/76         | 50             | 9169                   | 4014N 04359E                               | 26.8         | 149.5        | GGGG                  |                     |                      | 183                     | 32                     |
| 2658-08321        | 00000/0000 2-20036/0263                            | 11/10/76         | 90             | 9170                   | 5951N 02740E                               | 11.2         | 160.4        | GGGG                  |                     |                      | 201                     | 18                     |
| 2658-08323        | 00000/0000 2-20036/0264                            | 11/10/76         | 100            | 9170                   | 5828N 02642E                               | 12.3         | 159.5        | GGGG                  |                     |                      | 201                     | 19                     |
| 2658-08330        | 00000/0000 2-20036/0265                            | 11/10/76         | 90             | 9170                   | 5705N 02549E                               | 13.5         | 158.6        | GGGG                  |                     |                      | 201                     | 20                     |
| 2658-08332        | 00000/0000 2-20036/0266                            | 11/10/76         | 90             | 9170                   | 5542N 02459E                               | 14.6         | 157.7        | GGGG                  |                     |                      | 201                     | 21                     |
| 2658-08335        | 00000/0000 2-20036/0267                            | 11/10/76         | 90             | 9170                   | 5419N 02411E                               | 15.7         | 156.9        | GGGG                  |                     |                      | 201                     | 22                     |
| 2658-08341        | 00000/0000 2-20036/0268                            | 11/10/76         | 100            | 9170                   | 5255N 02326E                               | 16.9         | 156.2        | GGGG                  |                     |                      | 201                     | 23                     |
| 2658-12225        | 00000/0000 2-20036/0234                            | 11/10/76         | 10             | 9172                   | 2259S 04932W                               | 52.3         | 88.7         | GGGG                  |                     |                      | 237                     | 76                     |
| 2658-12231        | 00000/0000 2-20036/0235                            | 11/10/76         | 10             | 9172                   | 2425S 04955W                               | 52.0         | 87.0         | GGGG                  |                     |                      | 237                     | 77                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM POSITION RBV | ROLL NO. IN ROLL MSS | DATE ACQUIRED | CLOUD COVER | ORBIT NUMBER | PRINCIPAL POINT OF IMAGE LAT | PRINCIPAL POINT OF IMAGE LONG | SUN ELEV. | SUN AZIM. | IMAGE-QUAL RBV MSS | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME RBV NUMBER |
|----------------|------------------------|----------------------|---------------|-------------|--------------|------------------------------|-------------------------------|-----------|-----------|--------------------|---------------|----------------|-------------------|------------------|
| 2658-12234     | 00000/0000             | 2-20036/0236         | 11/10/76      | 30          | 9172         | 2551S                        | 05018W                        | 51.7      | 85.3      | GGGG               |               |                | 237               | 78               |
| 2658-13431     | 00000/0000             | 2-20036/0267         | 11/10/76      | 90          | 9173         | 5542N                        | 05229W                        | 14.6      | 157.7     | FGGG               |               |                |                   | 21               |
| 2658-13434     | 00000/0000             | 2-20036/0268         | 11/10/76      | 90          | 9173         | 5418N                        | 05316W                        | 15.7      | 156.9     | FGGG               |               |                |                   | 22               |
| 2658-13440     | 00000/0000             | 2-20036/0269         | 11/10/76      | 70          | 9173         | 5254N                        | 05401W                        | 16.8      | 156.1     | FGGG               |               |                |                   | 23               |
| 2658-13443     | 00000/0000             | 2-20036/0270         | 11/10/76      | 50          | 9173         | 5130N                        | 05443W                        | 18.0      | 155.4     | FGGG               |               |                |                   | 24               |
| 2658-13445     | 00000/0000             | 2-20036/0271         | 11/10/76      | 60          | 9173         | 5006N                        | 05523W                        | 19.1      | 154.6     | GGGG               |               |                |                   | 25               |
| 2658-13452     | 00000/0000             | 2-20036/0272         | 11/10/76      | 80          | 9173         | 4841N                        | 05601W                        | 20.2      | 153.9     | GGGG               |               |                |                   | 26               |
| 2658-13454     | 00000/0000             | 2-20036/0273         | 11/10/76      | 90          | 9173         | 4717N                        | 05637W                        | 21.3      | 153.2     | GGGG               |               |                |                   | 27               |
| 2658-13461     | 00000/0000             | 2-20036/0274         | 11/10/76      | 50          | 9173         | 4552N                        | 05712W                        | 22.4      | 152.5     | GGGG               |               |                |                   | 28               |
| 2658-13463     | 00000/0000             | 2-20036/0275         | 11/10/76      | 50          | 9173         | 4427N                        | 05746W                        | 23.5      | 151.7     | GGGG               |               |                |                   | 29               |
| 2658-13470     | 00000/0000             | 2-20036/0276         | 11/10/76      | 40          | 9173         | 4302N                        | 05818W                        | 24.6      | 151.0     | FGGG               |               |                |                   | 30               |
| 2658-13472     | 00000/0000             | 2-20036/0277         | 11/10/76      | 40          | 9173         | 4137N                        | 05850W                        | 25.7      | 150.3     | GGGG               |               |                |                   | 31               |
| 2658-17085     | 00000/0000             | 2-20036/0203         | 11/10/76      | 0           | 9175         | 5828N                        | 10222W                        | 12.3      | 159.4     | GGGG               |               |                |                   | 19               |
| 2658-17092     | 00000/0000             | 2-20036/0204         | 11/10/76      | 10          | 9175         | 5715N                        | 10317W                        | 13.4      | 158.6     | GGGG               |               |                |                   | 20               |
| 2658-17094     | 00000/0000             | 2-20036/0205         | 11/10/76      | 10          | 9175         | 5541N                        | 10407W                        | 14.5      | 157.7     | GGGG               |               |                |                   | 21               |
| 2658-17101     | 00000/0000             | 2-20036/0206         | 11/10/76      | 10          | 9175         | 5417N                        | 10455W                        | 15.7      | 156.9     | GGGG               |               |                |                   | 22               |
| 2658-17103     | 00000/0000             | 2-20036/0207         | 11/10/76      | 0           | 9175         | 5253N                        | 10539W                        | 16.8      | 156.2     | GGGG               |               |                |                   | 23               |
| 2658-17110     | 00000/0000             | 2-20036/0208         | 11/10/76      | 20          | 9175         | 5129N                        | 10621W                        | 17.9      | 155.4     | GGGG               |               |                |                   | 24               |
| 2658-17171     | 00000/0000             | 2-20036/0209         | 11/10/76      | 60          | 9175         | 3013N                        | 11404W                        | 34.0      | 144.0     | GGGG               |               |                |                   | 39               |
| 2659-01510     | 00000/0000             | 2-20036/0237         | 11/11/76      | 50          | 9180         | 3845N                        | 11929E                        | 27.7      | 148.8     | GGGG               |               |                | 130               | 33               |
| 2659-01513     | 00000/0000             | 2-20036/0238         | 11/11/76      | 60          | 9180         | 3720N                        | 11901E                        | 28.8      | 148.1     | GGGG               |               |                | 130               | 34               |
| 2659-01515     | 00000/0000             | 2-20036/0239         | 11/11/76      | 50          | 9180         | 3554N                        | 11833E                        | 29.8      | 147.3     | GGGG               |               |                | 130               | 35               |
| 2659-01522     | 00000/0000             | 2-20036/0240         | 11/11/76      | 60          | 9180         | 3429N                        | 11807E                        | 30.9      | 146.5     | GGGG               |               |                | 130               | 36               |
| 2659-01524     | 00000/0000             | 2-20036/0241         | 11/11/76      | 90          | 9180         | 3304N                        | 11740E                        | 31.9      | 145.7     | GGGG               |               |                | 130               | 37               |
| 2659-01531     | 00000/0000             | 2-20036/0242         | 11/11/76      | 90          | 9180         | 3138N                        | 11715E                        | 32.9      | 144.9     | GGGG               |               |                | 130               | 38               |
| 2659-01533     | 00000/0000             | 2-20036/0243         | 11/11/76      | 80          | 9180         | 3012N                        | 11651E                        | 34.0      | 144.0     | GGGG               |               |                | 130               | 39               |
| 2659-01540     | 00000/0000             | 2-20036/0244         | 11/11/76      | 90          | 9180         | 2846N                        | 11627E                        | 35.0      | 143.2     | GGGG               |               |                | 130               | 40               |
| 2659-01542     | 00000/0000             | 2-20036/0245         | 11/11/76      | 100         | 9180         | 2720N                        | 11603E                        | 35.9      | 142.3     | GGGG               |               |                | 130               | 41               |
| 2659-01545     | 00000/0000             | 2-20036/0246         | 11/11/76      | 100         | 9180         | 2554N                        | 11539E                        | 36.9      | 141.3     | GGGG               |               |                | 130               | 42               |
| 2659-01551     | 00000/0000             | 2-20036/0247         | 11/11/76      | 100         | 9180         | 2428N                        | 11416E                        | 37.9      | 140.4     | GGGG               |               |                | 130               | 43               |
| 2659-01554     | 00000/0000             | 2-20036/0248         | 11/11/76      | 60          | 9180         | 2303N                        | 11454E                        | 38.8      | 139.4     | GGGG               |               |                | 130               | 44               |
| 2659-03324     | 00000/0000             | 2-20036/0294         | 11/11/76      | 0           | 9181         | 4429N                        | 09544E                        | 23.3      | 151.8     | GGGG               |               |                | 148               | 29               |
| 2659-03330     | 00000/0000             | 2-20036/0295         | 11/11/76      | 10          | 9181         | 4304N                        | 09512E                        | 24.4      | 151.1     | GGGG               |               |                | 148               | 30               |
| 2659-03333     | 00000/0000             | 2-20036/0296         | 11/11/76      | 10          | 9181         | 4139N                        | 09441E                        | 25.5      | 150.4     | GGGG               |               |                | 148               | 31               |
| 2659-03335     | 00000/0000             | 2-20036/0297         | 11/11/76      | 10          | 9181         | 4014N                        | 09411E                        | 26.6      | 149.6     | GGGG               |               |                | 148               | 32               |
| 2659-03342     | 00000/0000             | 2-20036/0298         | 11/11/76      | 10          | 9181         | 3849N                        | 09343E                        | 27.7      | 148.9     | GGGG               |               |                | 148               | 33               |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NNN-US  
FRS# 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2659-03344        | 00000/0000                                     | 2-20036/0329     | 11/11/76       | 30              | 9181                               | 3724N                               | 09316E       | 28.7         | 148.1                 | GGGG                |                      |                         |                        |
| 2659-03351        | 00000/0000                                     | 2-20036/0300     | 11/11/76       | 10              | 9181                               | 3558N                               | 09748E       | 29.8         | 147.3                 | GGGG                |                      | 148                     | 34                     |
| 2659-03353        | 00000/0000                                     | 2-20036/0301     | 11/11/76       | 0               | 9181                               | 3433N                               | 09722E       | 30.8         | 146.6                 | GGGG                |                      | 148                     | 35                     |
| 2659-03360        | 00000/0000                                     | 2-20036/0302     | 11/11/76       | 0               | 9181                               | 3307N                               | 09155E       | 31.9         | 145.8                 | GGGG                |                      | 148                     | 36                     |
| 2659-03362        | 00000/0000                                     | 2-20036/0303     | 11/11/76       | 0               | 9181                               | 3142N                               | 09130E       | 32.9         | 144.9                 | PPPP                |                      | 148                     | 37                     |
| 2659-03365        | 00000/0000                                     | 2-20036/0304     | 11/11/76       | 0               | 9181                               | 3016N                               | 09105E       | 33.9         | 144.1                 | GGGG                |                      | 148                     | 38                     |
| 2659-03371        | 00000/0000                                     | 2-20036/0305     | 11/11/76       | 10              | 9181                               | 2850N                               | 09040E       | 34.9         | 143.2                 | GGGG                |                      | 148                     | 39                     |
| 2659-03374        | 00000/0000                                     | 2-20036/0306     | 11/11/76       | 40              | 9181                               | 2724N                               | 09017E       | 35.9         | 142.3                 | GGGG                |                      | 148                     | 40                     |
| 2659-03380        | 00000/0000                                     | 2-20036/0307     | 11/11/76       | 40              | 9181                               | 2558N                               | 08954E       | 36.9         | 141.4                 | GGGG                |                      | 148                     | 41                     |
| 2659-03383        | 00000/0000                                     | 2-20036/0308     | 11/11/76       | 10              | 9181                               | 2432N                               | 08931E       | 37.8         | 140.4                 | GGGG                |                      | 148                     | 42                     |
| 2659-03385        | 00000/0000                                     | 2-20036/0309     | 11/11/76       | 0               | 9181                               | 2306N                               | 08908E       | 38.7         | 139.4                 | GGGG                |                      | 148                     | 43                     |
| 2659-03392        | 00000/0000                                     | 2-20036/0310     | 11/11/76       | 10              | 9181                               | 2139N                               | 08845E       | 39.7         | 138.4                 | GGGG                |                      | 148                     | 44                     |
| 2659-03394        | 00000/0000                                     | 2-20036/0311     | 11/11/76       | 10              | 9181                               | 2013N                               | 08823E       | 40.6         | 137.4                 | GGGG                |                      | 148                     | 45                     |
| 2659-05132        | 00000/0000                                     | 2-20036/0312     | 11/11/76       | 0               | 9182                               | 5255N                               | 07338E       | 16.6         | 156.2                 | GGGG                |                      | 166                     | 46                     |
| 2659-05135        | 00000/0000                                     | 2-20036/0313     | 11/11/76       | 10              | 9182                               | 5131N                               | 07256E       | 17.8         | 155.4                 | GGGG                |                      | 166                     | 23                     |
| 2659-05141        | 00000/0000                                     | 2-20036/0314     | 11/11/76       | 40              | 9182                               | 5048N                               | 07216E       | 18.9         | 154.7                 | GGGG                |                      | 166                     | 24                     |
| 2659-05144        | 00000/0000                                     | 2-20036/0315     | 11/11/76       | 50              | 9182                               | 4842N                               | 07139E       | 20.0         | 154.0                 | GGGG                |                      | 166                     | 25                     |
| 2659-05150        | 00000/0000                                     | 2-20036/0316     | 11/11/76       | 10              | 9182                               | 4717N                               | 07102E       | 21.1         | 153.2                 | GGGG                |                      | 166                     | 26                     |
| 2659-05153        | 00000/0000                                     | 2-20036/0317     | 11/11/76       | 60              | 9182                               | 4553N                               | 07027E       | 22.2         | 152.5                 | GGGG                |                      | 166                     | 27                     |
| 2659-05155        | 00000/0000                                     | 2-20036/0318     | 11/11/76       | 60              | 9182                               | 4409N                               | 06954E       | 23.3         | 151.8                 | GGGG                |                      | 166                     | 28                     |
| 2659-05162        | 00000/0000                                     | 2-20036/0319     | 11/11/76       | 30              | 9182                               | 4304N                               | 06921E       | 24.4         | 151.1                 | GGGG                |                      | 166                     | 29                     |
| 2659-05164        | 00000/0000                                     | 2-20036/0320     | 11/11/76       | 10              | 9182                               | 4199N                               | 06850E       | 25.5         | 150.4                 | GGGG                |                      | 166                     | 30                     |
| 2659-05171        | 00000/0000                                     | 2-20036/0321     | 11/11/76       | 30              | 9182                               | 4044N                               | 06820E       | 26.6         | 149.6                 | GGGG                |                      | 166                     | 31                     |
| 2659-05173        | 00000/0000                                     | 2-20036/0322     | 11/11/76       | 40              | 9182                               | 3849N                               | 06751E       | 27.7         | 148.9                 | GGGG                |                      | 166                     | 32                     |
| 2659-05180        | 00000/0000                                     | 2-20036/0323     | 11/11/76       | 60              | 9182                               | 3723N                               | 06723E       | 28.7         | 148.1                 | GGGG                |                      | 166                     | 33                     |
| 2659-05182        | 00000/0000                                     | 2-20036/0324     | 11/11/76       | 70              | 9182                               | 3547N                               | 06656E       | 29.8         | 147.4                 | GGGG                |                      | 166                     | 34                     |
| 2659-05185        | 00000/0000                                     | 2-20036/0325     | 11/11/76       | 10              | 9182                               | 3422N                               | 06629E       | 30.8         | 146.6                 | GGGG                |                      | 166                     | 35                     |
| 2659-05191        | 00000/0000                                     | 2-20036/0326     | 11/11/76       | 0               | 9182                               | 3306N                               | 06604E       | 31.9         | 145.8                 | GGGG                |                      | 166                     | 36                     |
| 2659-05194        | 00000/0000                                     | 2-20036/0327     | 11/11/76       | 0               | 9182                               | 3140N                               | 06538E       | 32.9         | 144.9                 | GGGG                |                      | 166                     | 37                     |
| 2659-05200        | 00000/0000                                     | 2-20036/0328     | 11/11/76       | 0               | 9182                               | 3015N                               | 06514E       | 33.9         | 144.1                 | GGGG                |                      | 166                     | 38                     |
| 2659-05203        | 00000/0000                                     | 2-20036/0329     | 11/11/76       | 0               | 9182                               | 2849N                               | 06449E       | 34.9         | 143.2                 | GGGG                |                      | 166                     | 39                     |
| 2659-05205        | 00000/0000                                     | 2-20036/0330     | 11/11/76       | 0               | 9182                               | 2723N                               | 06425E       | 35.9         | 142.3                 | GGGG                |                      | 166                     | 40                     |
| 2659-05212        | 00000/0000                                     | 2-20036/0331     | 11/11/76       | 0               | 9182                               | 2557N                               | 06402E       | 36.8         | 141.4                 | GGGG                |                      | 166                     | 41                     |
| 2659-05214        | 00000/0000                                     | 2-20036/0332     | 11/11/76       | 10              | 9182                               | 2431N                               | 06339E       | 37.8         | 140.4                 | GGGG                |                      | 166                     | 42                     |
| 2659-05221        | 00000/0000                                     | 2-20036/0333     | 11/11/76       | 10              | 9182                               | 2305N                               | 06316E       | 38.7         | 139.5                 | GGGG                |                      | 166                     | 43                     |
| 2659-05223        | 00000/0000                                     | 2-20036/0334     | 11/11/76       | 10              | 9182                               | 2139N                               | 06254E       | 39.7         | 138.4                 | GGGG                |                      | 166                     | 44                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAME US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBY | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2659-05230        | 00000/0000                   | 2-20036/0335                | 11/11/76         | 10             | 9182            | 2013N                                   | 06232E       | 40.6         | 137.4                              | GGGG                |                      |                         |                        |
| 2659-06561        | 00000/0000                   | 2-20036/0436                | 11/11/76         | 80             | 9183            | 5419N                                   | 04834E       | 15.5         | 157.0                              | GGGG                |                      | 166                     | 46                     |
| 2659-06564        | 00000/0000                   | 2-20036/0437                | 11/11/76         | 90             | 9183            | 5255N                                   | 04749E       | 16.6         | 156.2                              | GGGG                |                      | 184                     | 22                     |
| 2659-06570        | 00000/0000                   | 2-20036/0438                | 11/11/76         | 30             | 9183            | 5131N                                   | 04707E       | 17.7         | 155.4                              | GGGG                |                      | 184                     | 23                     |
| 2659-06573        | 00000/0000                   | 2-20036/0439                | 11/11/76         | 10             | 9183            | 5007N                                   | 04628E       | 18.9         | 154.7                              | GGGG                |                      | 184                     | 24                     |
| 2659-06575        | 00000/0000                   | 2-20036/0440                | 11/11/76         | 40             | 9183            | 4842N                                   | 04549E       | 20.0         | 154.0                              | GGGG                |                      | 184                     | 25                     |
| 2659-06582        | 00000/0000                   | 2-20036/0441                | 11/11/76         | 60             | 9183            | 4718N                                   | 04513E       | 21.1         | 153.2                              | GGGG                |                      | 184                     | 26                     |
| 2659-06584        | 00000/0000                   | 2-20036/0442                | 11/11/76         | 100            | 9183            | 4553N                                   | 04439E       | 22.2         | 152.5                              | GGGG                |                      | 184                     | 27                     |
| 2659-06591        | 00000/0000                   | 2-20036/0443                | 11/11/76         | 90             | 9183            | 4427N                                   | 04406E       | 23.3         | 151.8                              | GGGG                |                      | 184                     | 28                     |
| 2659-06593        | 00000/0000                   | 2-20036/0444                | 11/11/76         | 30             | 9183            | 4302N                                   | 04334E       | 24.4         | 151.1                              | GGGG                |                      | 184                     | 29                     |
| 2659-08390        | 00000/0000                   | 2-20036/0445                | 11/11/76         | 100            | 9184            | 5542N                                   | 02332E       | 14.3         | 157.8                              | GGGG                |                      | 184                     | 30                     |
| 2659-08393        | 00000/0000                   | 2-20036/0446                | 11/11/76         | 100            | 9184            | 5419N                                   | 02245E       | 15.5         | 157.0                              | GGGG                |                      | 202                     | 21                     |
| 2659-12283        | 00000/0000                   | 2-20036/0447                | 11/11/76         | 0              | 9186            | 2301S                                   | 05100W       | 52.4         | 89.1                               | GGGG                |                      | 202                     | 22                     |
| 2659-12290        | 00000/0000                   | 2-20036/0448                | 11/11/76         | 30             | 9186            | 2428S                                   | 05121W       | 52.1         | 87.4                               | GGGG                |                      | 238                     | 76                     |
| 2659-13485        | 00000/0000                   | 2-20036/0377                | 11/11/76         | 90             | 9187            | 5545N                                   | 05352W       | 14.3         | 157.8                              | GGGG                |                      | 238                     | 77                     |
| 2659-13492        | 00000/0000                   | 2-20036/0378                | 11/11/76         | 80             | 9187            | 5421N                                   | 05440W       | 15.4         | 157.0                              | GGGG                |                      | 5                       | 21                     |
| 2659-13494        | 00000/0000                   | 2-20036/0379                | 11/11/76         | 40             | 9187            | 5257N                                   | 05525W       | 16.5         | 156.2                              | GGGG                |                      | 5                       | 22                     |
| 2659-13501        | 00000/0000                   | 2-20036/0380                | 11/11/76         | 50             | 9187            | 5133N                                   | 05607W       | 17.6         | 155.5                              | GGGG                |                      | 5                       | 23                     |
| 2659-13503        | 00000/0000                   | 2-20036/0381                | 11/11/76         | 60             | 9187            | 5009N                                   | 05647W       | 18.8         | 154.7                              | GGGG                |                      | 5                       | 24                     |
| 2659-13510        | 00000/0000                   | 2-20036/0382                | 11/11/76         | 40             | 9187            | 4844N                                   | 05725W       | 19.9         | 154.0                              | GGGG                |                      | 5                       | 25                     |
| 2659-13512        | 00000/0000                   | 2-20036/0383                | 11/11/76         | 40             | 9187            | 4720N                                   | 05802W       | 21.0         | 153.3                              | GGGG                |                      | 5                       | 26                     |
| 2659-13515        | 00000/0000                   | 2-20036/0384                | 11/11/76         | 30             | 9187            | 4555N                                   | 05837W       | 22.1         | 152.5                              | GGGG                |                      | 5                       | 27                     |
| 2659-13521        | 00000/0000                   | 2-20036/0385                | 11/11/76         | 40             | 9187            | 4430N                                   | 05910W       | 23.2         | 151.8                              | GGGG                |                      | 5                       | 28                     |
| 2659-13524        | 00000/0000                   | 2-20036/0386                | 11/11/76         | 40             | 9187            | 4305N                                   | 05943W       | 24.3         | 151.1                              | GGGG                |                      | 5                       | 29                     |
| 2659-13530        | 00000/0000                   | 2-20036/0387                | 11/11/76         | 70             | 9187            | 4140N                                   | 06014W       | 25.4         | 150.4                              | GGGG                |                      | 5                       | 30                     |
| 2659-17134        | 00000/0000                   | 2-20036/0231                | 11/11/76         | 0              | 9189            | 6116N                                   | 10148W       | 9.6          | 161.4                              | GGGG                |                      | 5                       | 31                     |
| 2659-17141        | 00000/0000                   | 2-20036/0278                | 11/11/76         | 0              | 9189            | 5954N                                   | 10251W       | 10.8         | 160.4                              | GGGG                |                      | 41                      | 17                     |
| 2659-17143        | 00000/0000                   | 2-20036/0279                | 11/11/76         | 0              | 9189            | 5831N                                   | 10348W       | 11.9         | 159.5                              | GGGG                |                      | 41                      | 18                     |
| 2659-17150        | 00000/0000                   | 2-20036/0280                | 11/11/76         | 0              | 9189            | 5708N                                   | 10441W       | 13.1         | 158.6                              | GGGG                |                      | 41                      | 19                     |
| 2659-17152        | 00000/0000                   | 2-20036/0281                | 11/11/76         | 10             | 9189            | 5544N                                   | 10531W       | 14.2         | 157.8                              | GGGG                |                      | 41                      | 20                     |
| 2659-17155        | 00000/0000                   | 2-20036/0282                | 11/11/76         | 20             | 9189            | 5420N                                   | 10618W       | 15.4         | 157.0                              | GGGG                |                      | 41                      | 21                     |
| 2659-17161        | 00000/0000                   | 2-20036/0283                | 11/11/76         | 10             | 9189            | 5256N                                   | 10703W       | 16.5         | 156.2                              | GGGG                |                      | 41                      | 22                     |
| 2659-17164        | 00000/0000                   | 2-20036/0284                | 11/11/76         | 0              | 9189            | 5133N                                   | 10746W       | 17.6         | 155.5                              | GGGG                |                      | 41                      | 23                     |
| 2659-17225        | 00000/0000                   | 2-20036/0285                | 11/11/76         | 10             | 9189            | 3016N                                   | 11529W       | 33.8         | 144.2                              | GGGG                |                      | 41                      | 24                     |
| 2660-01553        | 00000/0000                   | 2-20036/0449                | 11/12/76         | 50             | 9194            | 4302N                                   | 11934E       | 24.2         | 151.1                              | GGGG                |                      | 131                     | 30                     |
| 2660-01555        | 00000/0000                   | 2-20036/0450                | 11/12/76         | 100            | 9194            | 4137N                                   | 11903E       | 25.3         | 150.4                              | GGGG                |                      | 131                     | 31                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>PRINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>PRINT<br>OF IMAGE<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|---------------------------------------|----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2660-01562        | 00000/0000                   | 2-20036/0451                | 11/12/76         | 100            | 9194                   | 4012N                                 | 11A33E                                 | 26.3         | 149.7        | GGGG                               |                     |                      | 131                     | 32                     |
| 2660-01564        | 00000/0000                   | 2-20036/0452                | 11/12/76         | 100            | 9194                   | 3847N                                 | 11A04E                                 | 27.4         | 149.0        | FGGG                               |                     |                      | 131                     | 33                     |
| 2660-01571        | 00000/0000                   | 2-20036/0453                | 11/12/76         | 100            | 9194                   | 3721N                                 | 11736E                                 | 28.5         | 148.2        | GGGG                               |                     |                      | 131                     | 34                     |
| 2660-01573        | 00000/0000                   | 2-20036/0454                | 11/12/76         | 100            | 9194                   | 3556N                                 | 11708E                                 | 29.5         | 147.4        | GGGF                               |                     |                      | 131                     | 35                     |
| 2660-01580        | 00000/0000                   | 2-20036/0455                | 11/12/76         | 100            | 9194                   | 3431N                                 | 11641E                                 | 30.6         | 146.7        | GGGF                               |                     |                      | 131                     | 36                     |
| 2660-01582        | 00000/0000                   | 2-20036/0456                | 11/12/76         | 100            | 9194                   | 3306N                                 | 11616E                                 | 31.6         | 145.9        | GGGG                               |                     |                      | 131                     | 37                     |
| 2660-01585        | 00000/0000                   | 2-20036/0457                | 11/12/76         | 100            | 9194                   | 3140N                                 | 11551E                                 | 32.7         | 145.1        | GGGG                               |                     |                      | 131                     | 38                     |
| 2660-01591        | 00000/0000                   | 2-20036/0458                | 11/12/76         | 100            | 9194                   | 3015N                                 | 11526E                                 | 33.7         | 144.2        | GGGG                               |                     |                      | 131                     | 39                     |
| 2660-01594        | 00000/0000                   | 2-20036/0459                | 11/12/76         | 90             | 9194                   | 2849N                                 | 11501E                                 | 34.7         | 143.3        | GGGG                               |                     |                      | 131                     | 40                     |
| 2660-02000        | 00000/0000                   | 2-20036/0460                | 11/12/76         | 100            | 9194                   | 2724N                                 | 11437E                                 | 35.7         | 142.5        | GGGG                               |                     |                      | 131                     | 41                     |
| 2660-02003        | 00000/0000                   | 2-20036/0461                | 11/12/76         | 90             | 9194                   | 2558N                                 | 11414E                                 | 36.6         | 141.5        | FGGG                               |                     |                      | 131                     | 42                     |
| 2660-02005        | 00000/0000                   | 2-20036/0462                | 11/12/76         | 80             | 9194                   | 2431N                                 | 11351E                                 | 37.6         | 140.6        | FGGG                               |                     |                      | 131                     | 43                     |
| 2660-02012        | 00000/0000                   | 2-20036/0463                | 11/12/76         | 30             | 9194                   | 2305N                                 | 11329E                                 | 38.5         | 139.6        | GGGG                               |                     |                      | 131                     | 44                     |
| 2660-03375        | 00000/0000                   | 2-20036/0336                | 11/12/76         | 0              | 9195                   | 4552N                                 | 09452E                                 | 22.0         | 152.6        | GGFG                               |                     |                      | 149                     | 28                     |
| 2660-03382        | 00000/0000                   | 2-20036/0337                | 11/12/76         | 0              | 9195                   | 4427N                                 | 09418E                                 | 23.1         | 151.9        | GGGG                               |                     |                      | 149                     | 29                     |
| 2660-03384        | 00000/0000                   | 2-20036/0338                | 11/12/76         | 0              | 9195                   | 4302N                                 | 09346E                                 | 24.2         | 151.1        | FGFG                               |                     |                      | 149                     | 30                     |
| 2660-03391        | 00000/0000                   | 2-20036/0339                | 11/12/76         | 0              | 9195                   | 4137N                                 | 09315E                                 | 25.3         | 150.4        | GGGG                               |                     |                      | 149                     | 31                     |
| 2660-03393        | 00000/0000                   | 2-20036/0340                | 11/12/76         | 20             | 9195                   | 4012N                                 | 09245E                                 | 26.3         | 149.7        | GGGF                               |                     |                      | 149                     | 32                     |
| 2660-03400        | 00000/0000                   | 2-20036/0341                | 11/12/76         | 10             | 9195                   | 3847N                                 | 09216E                                 | 27.4         | 149.0        | FGGF                               |                     |                      | 149                     | 33                     |
| 2660-03402        | 00000/0000                   | 2-20036/0342                | 11/12/76         | 60             | 9195                   | 3722N                                 | 09148E                                 | 28.5         | 148.2        | GGFF                               |                     |                      | 149                     | 34                     |
| 2660-03405        | 00000/0000                   | 2-20036/0343                | 11/12/76         | 20             | 9195                   | 3556N                                 | 09120E                                 | 29.5         | 147.5        | GG G                               |                     |                      | 149                     | 35                     |
| 2660-03411        | 00000/0000                   | 2-20036/0344                | 11/12/76         | 0              | 9195                   | 3431N                                 | 09053E                                 | 30.6         | 146.7        | GGFG                               |                     |                      | 149                     | 36                     |
| 2660-03423        | 00000/0000                   | 2-20036/0345                | 11/12/76         | 10             | 9195                   | 3015N                                 | 08937E                                 | 33.7         | 144.2        | GGGG                               |                     |                      | 149                     | 39                     |
| 2660-03425        | 00000/0000                   | 2-20036/0346                | 11/12/76         | 10             | 9195                   | 2850N                                 | 08913E                                 | 34.7         | 143.4        | GGGG                               |                     |                      | 149                     | 40                     |
| 2660-03432        | 00000/0000                   | 2-20036/0347                | 11/12/76         | 40             | 9195                   | 2724N                                 | 08849E                                 | 35.6         | 142.5        | GGGG                               |                     |                      | 149                     | 41                     |
| 2660-03434        | 00000/0000                   | 2-20036/0348                | 11/12/76         | 10             | 9195                   | 2558N                                 | 08826E                                 | 36.6         | 141.5        | GGGG                               |                     |                      | 149                     | 42                     |
| 2660-03441        | 00000/0000                   | 2-20036/0349                | 11/12/76         | 10             | 9195                   | 2431N                                 | 08804E                                 | 37.6         | 140.6        | GGGG                               |                     |                      | 149                     | 43                     |
| 2660-03443        | 00000/0000                   | 2-20036/0350                | 11/12/76         | 10             | 9195                   | 2305N                                 | 08741E                                 | 38.5         | 139.6        | GGGG                               |                     |                      | 149                     | 44                     |
| 2660-03450        | 00000/0000                   | 2-20036/0351                | 11/12/76         | 20             | 9195                   | 2138N                                 | 08719E                                 | 39.4         | 138.6        | GGGG                               |                     |                      | 149                     | 45                     |
| 2660-03452        | 00000/0000                   | 2-20036/0352                | 11/12/76         | 30             | 9195                   | 2012N                                 | 08657E                                 | 40.3         | 137.6        | GGGG                               |                     |                      | 149                     | 46                     |
| 2660-03455        | 00000/0000                   | 2-20036/0353                | 11/12/76         | 30             | 9195                   | 1845N                                 | 08635E                                 | 41.2         | 136.5        | GGGF                               |                     |                      | 149                     | 47                     |
| 2660-03461        | 00000/0000                   | 2-20036/0354                | 11/12/76         | 30             | 9195                   | 1719N                                 | 08614E                                 | 42.1         | 135.4        | GGGF                               |                     |                      | 149                     | 48                     |
| 2660-05190        | 00000/0000                   | 2-20036/0355                | 11/12/76         | 10             | 9196                   | 5254N                                 | 07213E                                 | 16.4         | 156.2        | FGGG                               |                     |                      | 167                     | 23                     |
| 2660-05193        | 00000/0000                   | 2-20036/0356                | 11/12/76         | 20             | 9196                   | 5130N                                 | 07130E                                 | 17.5         | 155.5        | GGGG                               |                     |                      | 167                     | 24                     |
| 2660-05195        | 00000/0000                   | 2-20036/0357                | 11/12/76         | 60             | 9196                   | 5006N                                 | 07049E                                 | 18.6         | 154.7        | GGGG                               |                     |                      | 167                     | 25                     |
| 2660-05202        | 00000/0000                   | 2-20036/0358                | 11/12/76         | 70             | 9196                   | 4841N                                 | 07011E                                 | 19.7         | 154.0        | GGFG                               |                     |                      | 167                     | 26                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
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| OBSERVATION<br>ID | WORLDWIDE<br>POSITION IN<br>RBY | FILE NO.<br>IN RBY<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|---------------------------------|---------------------------|------------------|----------------|------------------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2660-05204        | 00000/0000                      | 2-20036/0359              | 11/12/76         | 10             | 9196                   | 4717N                                   | 06934E       | 20.8         | 153.3                              | GGGG                |                      | 167                     | 27                     |
| 2660-05211        | 00000/0000                      | 2-20036/0360              | 11/12/76         | 50             | 9196                   | 4552N                                   | 06900E       | 21.9         | 152.6                              | FGGG                |                      | 167                     | 28                     |
| 2660-05213        | 00000/0000                      | 2-20036/0361              | 11/12/76         | 90             | 9196                   | 4427N                                   | 06827E       | 23.1         | 151.9                              | GGGG                |                      | 167                     | 29                     |
| 2660-05220        | 00000/0000                      | 2-20036/0362              | 11/12/76         | 60             | 9196                   | 4302N                                   | 06755E       | 24.1         | 151.2                              | FGGG                |                      | 167                     | 30                     |
| 2660-05222        | 00000/0000                      | 2-20036/0363              | 11/12/76         | 60             | 9196                   | 4137N                                   | 06725E       | 25.2         | 150.4                              | GGGG                |                      | 167                     | 31                     |
| 2660-05225        | 00000/0000                      | 2-20036/0364              | 11/12/76         | 70             | 9196                   | 4012N                                   | 06655E       | 26.3         | 149.7                              | GGGG                |                      | 167                     | 32                     |
| 2660-05231        | 00000/0000                      | 2-20036/0365              | 11/12/76         | 50             | 9196                   | 3848N                                   | 06626E       | 27.4         | 149.0                              | GGGG                |                      | 167                     | 33                     |
| 2660-05234        | 00000/0000                      | 2-20036/0366              | 11/12/76         | 10             | 9196                   | 3722N                                   | 06558E       | 28.5         | 148.2                              | GGGG                |                      | 167                     | 34                     |
| 2660-05240        | 00000/0000                      | 2-20036/0367              | 11/12/76         | 0              | 9196                   | 3557N                                   | 06530E       | 29.5         | 147.5                              | GGGG                |                      | 167                     | 35                     |
| 2660-05243        | 00000/0000                      | 2-20036/0368              | 11/12/76         | 0              | 9196                   | 3432N                                   | 06503E       | 30.6         | 146.7                              | GGGG                |                      | 167                     | 36                     |
| 2660-05245        | 00000/0000                      | 2-20036/0369              | 11/12/76         | 0              | 9196                   | 3307N                                   | 06437E       | 31.6         | 145.9                              | GGGG                |                      | 167                     | 37                     |
| 2660-05252        | 00000/0000                      | 2-20036/0370              | 11/12/76         | 0              | 9196                   | 3140N                                   | 06411E       | 32.6         | 145.1                              | GGGG                |                      | 167                     | 38                     |
| 2660-05254        | 00000/0000                      | 2-20036/0371              | 11/12/76         | 0              | 9196                   | 3014N                                   | 06346E       | 33.6         | 144.2                              | GGGG                |                      | 167                     | 39                     |
| 2660-05261        | 00000/0000                      | 2-20036/0372              | 11/12/76         | 0              | 9196                   | 2848N                                   | 06322E       | 34.6         | 143.4                              | GGGG                |                      | 167                     | 40                     |
| 2660-05263        | 00000/0000                      | 2-20036/0373              | 11/12/76         | 0              | 9196                   | 2722N                                   | 06259E       | 35.6         | 142.5                              | GGGG                |                      | 167                     | 41                     |
| 2660-05270        | 00000/0000                      | 2-20036/0374              | 11/12/76         | 10             | 9196                   | 2556N                                   | 06235E       | 36.6         | 141.6                              | GGGG                |                      | 167                     | 42                     |
| 2660-05272        | 00000/0000                      | 2-20036/0375              | 11/12/76         | 20             | 9196                   | 2430N                                   | 06212E       | 37.6         | 140.6                              | GGGG                |                      | 167                     | 43                     |
| 2660-05275        | 00000/0000                      | 2-20036/0376              | 11/12/76         | 10             | 9196                   | 2304N                                   | 06150E       | 38.5         | 139.6                              | GGGG                |                      | 167                     | 44                     |
| 2660-07011        | 00000/0000                      | 2-20036/0351              | 11/12/76         | 70             | 9197                   | 5705N                                   | 04848E       | 12.9         | 158.6                              | GGGG                |                      | 185                     | 20                     |
| 2660-07013        | 00000/0000                      | 2-20036/0352              | 11/12/76         | 40             | 9197                   | 5542N                                   | 04758E       | 14.1         | 157.8                              | GGGG                |                      | 185                     | 21                     |
| 2660-07020        | 00000/0000                      | 2-20036/0353              | 11/12/76         | 10             | 9197                   | 5419N                                   | 04711E       | 15.2         | 157.0                              | GGGG                |                      | 185                     | 22                     |
| 2660-07022        | 00000/0000                      | 2-20036/0354              | 11/12/76         | 0              | 9197                   | 5255N                                   | 04626E       | 16.3         | 156.2                              | GGGG                |                      | 185                     | 23                     |
| 2660-07025        | 00000/0000                      | 2-20036/0355              | 11/12/76         | 10             | 9197                   | 5131N                                   | 04543E       | 17.5         | 155.5                              | GGGG                |                      | 185                     | 24                     |
| 2660-07031        | 00000/0000                      | 2-20036/0356              | 11/12/76         | 50             | 9197                   | 5006N                                   | 04503E       | 18.6         | 154.7                              | GGGG                |                      | 185                     | 25                     |
| 2660-07034        | 00000/0000                      | 2-20036/0357              | 11/12/76         | 40             | 9197                   | 4842N                                   | 04423E       | 19.7         | 154.0                              | GGGG                |                      | 185                     | 26                     |
| 2660-07040        | 00000/0000                      | 2-20036/0419              | 11/12/76         | 90             | 9197                   | 4717N                                   | 04346E       | 20.8         | 153.3                              | GGGG                |                      | 185                     | 27                     |
| 2660-07043        | 00000/0000                      | 2-20036/0420              | 11/12/76         | 90             | 9197                   | 4552N                                   | 04312E       | 21.9         | 152.6                              | FFGF                |                      | 185                     | 28                     |
| 2660-07045        | 00000/0000                      | 2-20036/0421              | 11/12/76         | 40             | 9197                   | 4426N                                   | 04239E       | 23.0         | 151.9                              | GGGG                |                      | 185                     | 29                     |
| 2660-07052        | 00000/0000                      | 2-20036/0422              | 11/12/76         | 10             | 9197                   | 4301N                                   | 04208E       | 24.1         | 151.2                              | GGGG                |                      | 185                     | 30                     |
| 2660-07054        | 00000/0000                      | 2-20036/0423              | 11/12/76         | 0              | 9197                   | 4136N                                   | 04137E       | 25.2         | 150.4                              | GFGG                |                      | 185                     | 31                     |
| 2660-08433        | 00000/0000                      | 2-20036/0424              | 11/12/76         | 90             | 9198                   | 5950N                                   | 02447E       | 10.6         | 160.4                              | GFGG                |                      | 203                     | 18                     |
| 2660-08440        | 00000/0000                      | 2-20036/0425              | 11/12/76         | 90             | 9198                   | 5827N                                   | 02350E       | 11.8         | 159.5                              | GFGG                |                      | 203                     | 19                     |
| 2660-08442        | 00000/0000                      | 2-20036/0426              | 11/12/76         | 90             | 9198                   | 5705N                                   | 02256E       | 12.9         | 158.6                              | GGGG                |                      | 203                     | 20                     |
| 2660-08445        | 00000/0000                      | 2-20036/0427              | 11/12/76         | 90             | 9198                   | 5541N                                   | 02206E       | 14.1         | 157.8                              | FGGG                |                      | 203                     | 21                     |
| 2660-08451        | 00000/0000                      | 2-20036/0428              | 11/12/76         | 90             | 9198                   | 5417N                                   | 02119E       | 15.2         | 157.0                              | GGGF                |                      | 203                     | 22                     |
| 2660-12341        | 00000/0000                      | 2-20036/0429              | 11/12/76         | 10             | 9200                   | 2248S                                   | 05225W       | 52.4         | 89.7                               | FFFF                |                      | 239                     | 76                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | WICKS FILM<br>POSITION IN<br>RBV | ROLL NR./<br>IN RBV<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------|----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2660-12344        | 00000/0000                       | 2-20036/0430               | 11/12/76         | 10             | 9200            | 2424S                        | 05247W        | 52.1         | 87.9         | FFFF                               |                     |                      | 239                     | 77                     |
| 2660-12350        | 00000/0000                       | 2-20036/0431               | 11/12/76         | 30             | 9200            | 2549S                        | 05310W        | 51.8         | 86.2         | FGGG                               |                     |                      | 239                     | 78                     |
| 2660-12353        | 00000/0000                       | 2-20036/0432               | 11/12/76         | 40             | 9200            | 2714S                        | 05334W        | 51.4         | 84.6         | GGGG                               |                     |                      | 239                     | 79                     |
| 2660-12355        | 00000/0000                       | 2-20036/0433               | 11/12/76         | 10             | 9200            | 2841S                        | 05357W        | 51.0         | 83.0         | GGGG                               |                     |                      | 239                     | 80                     |
| 2660-12362        | 00000/0000                       | 2-20036/0434               | 11/12/76         | 10             | 9200            | 3008S                        | 05421W        | 50.6         | 81.4         | GGGG                               |                     |                      | 239                     | 81                     |
| 2660-12382        | 00000/0000                       | 2-20036/0435               | 11/12/76         | 30             | 9200            | 3715S                        | 05632W        | 47.7         | 74.6         | GGGF                               |                     |                      | 239                     | 84                     |
| 2660-13541        | 00000/0000                       | 2-20036/0388               | 11/12/76         | 20             | 9201            | 5707N                        | 05428W        | 12.8         | 158.6        | GGGG                               |                     |                      | 6                       | 20                     |
| 2660-13543        | 00000/0000                       | 2-20036/0389               | 11/12/76         | 70             | 9201            | 5543N                        | 05519W        | 14.0         | 157.8        | GGGG                               |                     |                      | 6                       | 21                     |
| 2660-13550        | 00000/0000                       | 2-20036/0390               | 11/12/76         | 90             | 9201            | 5420N                        | 05606W        | 15.1         | 157.0        | GGGF                               |                     |                      | 6                       | 22                     |
| 2660-13552        | 00000/0000                       | 2-20036/0391               | 11/12/76         | 60             | 9201            | 5256N                        | 05651W        | 16.3         | 156.2        | GGGG                               |                     |                      | 6                       | 23                     |
| 2660-13555        | 00000/0000                       | 2-20036/0392               | 11/12/76         | 40             | 9201            | 5132N                        | 05734W        | 17.4         | 155.5        | GGFG                               |                     |                      | 6                       | 24                     |
| 2660-13561        | 00000/0000                       | 2-20036/0393               | 11/12/76         | 70             | 9201            | 5007N                        | 05814W        | 18.5         | 154.8        | GGGG                               |                     |                      | 6                       | 25                     |
| 2660-13564        | 00000/0000                       | 2-20036/0394               | 11/12/76         | 90             | 9201            | 4842N                        | 05852W        | 19.6         | 154.0        | GGGG                               |                     |                      | 6                       | 26                     |
| 2660-13570        | 00000/0000                       | 2-20036/0395               | 11/12/76         | 80             | 9201            | 4718N                        | 05929W        | 20.7         | 153.3        | GGGG                               |                     |                      | 6                       | 27                     |
| 2660-13573        | 00000/0000                       | 2-20036/0396               | 11/12/76         | 80             | 9201            | 4553N                        | 06003W        | 21.8         | 152.6        | GGGG                               |                     |                      | 6                       | 28                     |
| 2660-13575        | 00000/0000                       | 2-20036/0397               | 11/12/76         | 50             | 9201            | 4429N                        | 06035W        | 22.9         | 151.9        | GGGG                               |                     |                      | 6                       | 29                     |
| 2660-13582        | 00000/0000                       | 2-20036/0398               | 11/12/76         | 90             | 9201            | 4304N                        | 06107W        | 24.0         | 151.2        | GGGG                               |                     |                      | 6                       | 30                     |
| 2660-13584        | 00000/0000                       | 2-20036/0399               | 11/12/76         | 80             | 9201            | 4139N                        | 06138W        | 25.1         | 150.5        | GGGG                               |                     |                      | 6                       | 31                     |
| 2660-22550        | 00000/0000                       | 2-20036/0400               | 11/12/76         | 40             | 9206            | 2720S                        | 15131E        | 51.4         | 84.7         | FGGG                               |                     |                      | 96                      | 79                     |
| 2660-22553        | 00000/0000                       | 2-20036/0401               | 11/12/76         | 30             | 9206            | 2845S                        | 15108E        | 51.0         | 83.1         | GGGG                               |                     |                      | 96                      | 80                     |
| 2660-22555        | 00000/0000                       | 2-20036/0402               | 11/12/76         | 20             | 9206            | 3010S                        | 15043E        | 50.6         | 81.5         | FFGG                               |                     |                      | 96                      | 81                     |
| 2660-22562        | 00000/0000                       | 2-20036/0403               | 11/12/76         | 60             | 9206            | 3135S                        | 15019E        | 50.1         | 80.0         | GGGG                               |                     |                      | 96                      | 82                     |
| 2661-02011        | 00000/0000                       | 2-20036/0404               | 11/13/76         | 40             | 9208            | 4302N                        | 11809E        | 23.9         | 151.2        | GGGG                               |                     |                      | 132                     | 30                     |
| 2661-02013        | 00000/0000                       | 2-20036/0405               | 11/13/76         | 10             | 9208            | 4137N                        | 11738E        | 25.0         | 150.5        | GGGG                               |                     |                      | 132                     | 31                     |
| 2661-02020        | 00000/0000                       | 2-20036/0406               | 11/13/76         | 10             | 9208            | 4012N                        | 11708E        | 26.1         | 149.8        | GGGG                               |                     |                      | 132                     | 32                     |
| 2661-02022        | 00000/0000                       | 2-20036/0407               | 11/13/76         | 10             | 9208            | 3847N                        | 11638E        | 27.2         | 149.0        | GGGG                               |                     |                      | 132                     | 33                     |
| 2661-02025        | 00000/0000                       | 2-20036/0408               | 11/13/76         | 10             | 9208            | 3722N                        | 11610E        | 28.2         | 148.3        | GGGG                               |                     |                      | 132                     | 34                     |
| 2661-02034        | 00000/0000                       | 2-20036/0409               | 11/13/76         | 70             | 9208            | 3432N                        | 11516E        | 30.3         | 146.8        | GGGG                               |                     |                      | 132                     | 36                     |
| 2661-02040        | 00000/0000                       | 2-20036/0410               | 11/13/76         | 80             | 9208            | 3306N                        | 11450E        | 31.4         | 146.0        | GGGG                               |                     |                      | 132                     | 37                     |
| 2661-02043        | 00000/0000                       | 2-20036/0411               | 11/13/76         | 90             | 9208            | 3140N                        | 11424E        | 32.4         | 145.2        | GGGG                               |                     |                      | 132                     | 38                     |
| 2661-02045        | 00000/0000                       | 2-20036/0412               | 11/13/76         | 90             | 9208            | 3015N                        | 11400E        | 33.4         | 144.3        | FFGG                               |                     |                      | 132                     | 39                     |
| 2661-02052        | 00000/0000                       | 2-20036/0413               | 11/13/76         | 100            | 9208            | 2849N                        | 11336E        | 34.4         | 143.5        | GGGG                               |                     |                      | 132                     | 40                     |
| 2661-02054        | 00000/0000                       | 2-20036/0414               | 11/13/76         | 100            | 9208            | 2723N                        | 11313E        | 35.4         | 142.6        | GGGG                               |                     |                      | 132                     | 41                     |
| 2661-02061        | 00000/0000                       | 2-20036/0415               | 11/13/76         | 100            | 9208            | 2558N                        | 11249E        | 36.4         | 141.7        | GGGF                               |                     |                      | 132                     | 42                     |
| 2661-02063        | 00000/0000                       | 2-20036/0416               | 11/13/76         | 100            | 9208            | 2431N                        | 11227E        | 37.4         | 140.8        | GGGG                               |                     |                      | 132                     | 43                     |
| 2661-02070        | 00000/0000                       | 2-20036/0417               | 11/13/76         | 60             | 9208            | 2304N                        | 11204E        | 38.3         | 139.8        | GGGG                               |                     |                      | 132                     | 44                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM RELI NO./<br>POSITION IN RELI<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>MSS DATA<br>MODE | MSS<br>MSS DATA<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------------------|-------------------------|-------------------------|------------------------|
| 2661-02072        | 00000/0000                                     | 2-20036/0418     | 11/13/76              | 30              | 9208                               | 2138N                               | 11142E       | 39.2         | 138.8             |                         |                         |                         |                        |
| 2661-03440        | 00000/0000                                     | 2-20036/0464     | 11/13/76              | 60              | 9209                               | 4427N                               | 09252E       | 22.8         | 151.9             | GGGG                    |                         | 132                     | 45                     |
| 2661-03443        | 00000/0000                                     | 2-20036/0465     | 11/13/76              | 60              | 9209                               | 4302N                               | 09220E       | 23.9         | 151.2             | GGGG                    |                         | 150                     | 29                     |
| 2661-03445        | 00000/0000                                     | 2-20036/0466     | 11/13/76              | 10              | 9209                               | 4137N                               | 09149E       | 25.0         | 130.5             | GGGG                    |                         | 150                     | 30                     |
| 2661-03452        | 00000/0000                                     | 2-20036/0467     | 11/13/76              | 10              | 9209                               | 4012N                               | 09119E       | 26.1         | 149.8             | GGGF                    |                         | 150                     | 31                     |
| 2661-03454        | 00000/0000                                     | 2-20036/0468     | 11/13/76              | 0               | 9209                               | 3848N                               | 09050E       | 27.2         | 149.0             | GGGF                    |                         | 150                     | 32                     |
| 2661-03461        | 00000/0000                                     | 2-20036/0469     | 11/13/76              | 30              | 9209                               | 3723N                               | 09021E       | 28.2         | 148.3             | GGGG                    |                         | 150                     | 33                     |
| 2661-03463        | 00000/0000                                     | 2-20036/0470     | 11/13/76              | 30              | 9209                               | 3558N                               | 08954E       | 29.3         | 147.5             | GGGG                    |                         | 150                     | 34                     |
| 2661-03470        | 00000/0000                                     | 2-20036/0471     | 11/13/76              | 10              | 9209                               | 3432N                               | 08927E       | 30.3         | 146.8             | GGGG                    |                         | 150                     | 35                     |
| 2661-03472        | 00000/0000                                     | 2-20036/0472     | 11/13/76              | 0               | 9209                               | 3306N                               | 08901E       | 31.4         | 146.0             | GGGG                    |                         | 150                     | 36                     |
| 2661-03475        | 00000/0000                                     | 2-20036/0473     | 11/13/76              | 0               | 9209                               | 3140N                               | 08835E       | 32.4         | 145.2             | GGGG                    |                         | 150                     | 37                     |
| 2661-03481        | 00000/0000                                     | 2-20036/0474     | 11/13/76              | 0               | 9209                               | 3014N                               | 08810E       | 33.4         | 144.3             | GGGG                    |                         | 150                     | 38                     |
| 2661-03484        | 00000/0000                                     | 2-20036/0475     | 11/13/76              | 0               | 9209                               | 2848N                               | 08747E       | 34.4         | 143.5             | GGGG                    |                         | 150                     | 39                     |
| 2661-03490        | 00000/0000                                     | 2-20036/0476     | 11/13/76              | 20              | 9209                               | 2722N                               | 08723E       | 35.4         | 142.6             | GGGG                    |                         | 150                     | 40                     |
| 2661-03493        | 00000/0000                                     | 2-20036/0477     | 11/13/76              | 0               | 9209                               | 2556N                               | 08700E       | 36.4         | 141.7             | GGGG                    |                         | 150                     | 41                     |
| 2661-03495        | 00000/0000                                     | 2-20036/0478     | 11/13/76              | 0               | 9209                               | 2430N                               | 08637E       | 37.3         | 140.8             | GGGG                    |                         | 150                     | 42                     |
| 2661-03502        | 00000/0000                                     | 2-20036/0479     | 11/13/76              | 0               | 9209                               | 2304N                               | 08614E       | 38.3         | 139.8             | GGGG                    |                         | 150                     | 43                     |
| 2661-03504        | 00000/0000                                     | 2-20036/0480     | 11/13/76              | 10              | 9209                               | 2138N                               | 08552E       | 39.2         | 138.8             | GGGG                    |                         | 150                     | 44                     |
| 2661-03511        | 00000/0000                                     | 2-20036/0481     | 11/13/76              | 10              | 9209                               | 2012N                               | 08530E       | 40.1         | 137.8             | GGGG                    |                         | 150                     | 45                     |
| 2661-03513        | 00000/0000                                     | 2-20036/0482     | 11/13/76              | 10              | 9209                               | 1845N                               | 08509E       | 41.0         | 136.7             | GGGG                    |                         | 150                     | 46                     |
| 2661-03520        | 00000/0000                                     | 2-20036/0483     | 11/13/76              | 20              | 9209                               | 1719N                               | 08447E       | 41.9         | 135.6             | GGGG                    |                         | 150                     | 47                     |
| 2661-03522        | 00000/0000                                     | 2-20036/0484     | 11/13/76              | 20              | 9209                               | 1553N                               | 08426E       | 42.7         | 134.4             | GGGG                    |                         | 150                     | 48                     |
| 2661-03525        | 00000/0000                                     | 2-20036/0485     | 11/13/76              | 20              | 9209                               | 1426N                               | 08405E       | 43.6         | 133.2             | GGGG                    |                         | 150                     | 49                     |
| 2661-03531        | 00000/0000                                     | 2-20036/0486     | 11/13/76              | 30              | 9209                               | 1300N                               | 08344E       | 44.4         | 132.0             | GGGG                    |                         | 150                     | 50                     |
| 2661-03534        | 00000/0000                                     | 2-20036/0487     | 11/13/76              | 30              | 9209                               | 1174N                               | 08324E       | 45.1         | 130.7             | GGGG                    |                         | 150                     | 51                     |
| 2661-03540        | 00000/0000                                     | 2-20036/0488     | 11/13/76              | 40              | 9209                               | 1008N                               | 08304E       | 45.9         | 129.4             | GGGG                    |                         | 150                     | 52                     |
| 2661-05245        | 00000/0000                                     | 2-20036/0489     | 11/13/76              | 90              | 9210                               | 5254N                               | 07046E       | 16.1         | 156.3             | GGGG                    |                         | 150                     | 53                     |
| 2661-05251        | 00000/0000                                     | 2-20036/0490     | 11/13/76              | 50              | 9210                               | 5130N                               | 07003E       | 17.2         | 155.5             | GGGG                    |                         | 168                     | 23                     |
| 2661-05254        | 00000/0000                                     | 2-20036/0491     | 11/13/76              | 10              | 9210                               | 5006N                               | 06923E       | 18.3         | 154.8             | GGGG                    |                         | 168                     | 24                     |
| 2661-05263        | 00000/0000                                     | 2-20036/0492     | 11/13/76              | 10              | 9210                               | 4717N                               | 06809E       | 20.6         | 153.3             | GGGG                    |                         | 168                     | 25                     |
| 2661-05265        | 00000/0000                                     | 2-20036/0493     | 11/13/76              | 10              | 9210                               | 4552N                               | 06735E       | 21.7         | 152.6             | GGGG                    |                         | 168                     | 27                     |
| 2661-05272        | 00000/0000                                     | 2-20036/0494     | 11/13/76              | 50              | 9210                               | 4427N                               | 06702E       | 22.8         | 151.9             | GGGG                    |                         | 168                     | 28                     |
| 2661-05274        | 00000/0000                                     | 2-20036/0495     | 11/13/76              | 90              | 9210                               | 4302N                               | 06629E       | 23.9         | 151.2             | GGGG                    |                         | 168                     | 29                     |
| 2661-05281        | 00000/0000                                     | 2-20036/0496     | 11/13/76              | 80              | 9210                               | 4137N                               | 06558E       | 25.0         | 150.5             | GGGG                    |                         | 168                     | 30                     |
| 2661-05283        | 00000/0000                                     | 2-20036/0497     | 11/13/76              | 10              | 9210                               | 4012N                               | 06528E       | 26.1         | 149.8             | GGGG                    |                         | 168                     | 31                     |
| 2661-05290        | 00000/0000                                     | 2-20036/0498     | 11/13/76              | 0               | 9210                               | 3846N                               | 06459E       | 27.1         | 149.1             | GGGG                    |                         | 168                     | 32                     |
|                   |                                                |                  |                       |                 |                                    |                                     |              |              |                   |                         |                         | 168                     | 33                     |

KEYS:

CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0565

| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2661-05292        | 00000/0000 2-20036/0499                        | 11/13/76         | 0              | 9210         | 3721N        | 06431E                | 28.2                | 148.3                | GGGG                    |                        |
| 2661-05295        | 00000/0000 2-20036/0500                        | 11/13/76         | 0              | 9210         | 3555N        | 06403E                | 29.3                | 147.6                | GGGG                    | 168 34                 |
| 2661-05301        | 00000/0000 2-20036/0501                        | 11/13/76         | 0              | 9210         | 3429N        | 06336E                | 30.3                | 146.8                | GGGG                    | 168 35                 |
| 2661-05304        | 00000/0000 2-20036/0502                        | 11/13/76         | 0              | 9210         | 3304N        | 06310E                | 31.3                | 146.0                | GGGG                    | 168 36                 |
| 2661-05310        | 00000/0000 2-20036/0503                        | 11/13/76         | 10             | 9210         | 3138N        | 06245E                | 32.4                | 145.2                | GGGG                    | 168 37                 |
| 2661-05313        | 00000/0000 2-20036/0504                        | 11/13/76         | 70             | 9210         | 3012N        | 06220E                | 33.4                | 144.3                | FGGG                    | 168 38                 |
| 2661-05315        | 00000/0000 2-20036/0505                        | 11/13/76         | 10             | 9210         | 2847N        | 06156E                | 34.4                | 143.5                | GGGG                    | 168 39                 |
| 2661-05322        | 00000/0000 2-20036/0506                        | 11/13/76         | 0              | 9210         | 2721N        | 06132E                | 35.4                | 142.6                | GGGG                    | 168 40                 |
| 2661-05324        | 00000/0000 2-20036/0507                        | 11/13/76         | 10             | 9210         | 2585N        | 06109E                | 36.4                | 141.7                | GGGG                    | 168 41                 |
| 2661-05331        | 00000/0000 2-20036/0508                        | 11/13/76         | 10             | 9210         | 2429N        | 06047E                | 37.3                | 140.8                | FGGF                    | 168 42                 |
| 2661-07065        | 00000/0000 2-20036/0958                        | 11/13/76         | 100            | 9211         | 5705N        | 04720E                | 12.7                | 158.6                | GGGG                    | 168 43                 |
| 2661-07071        | 00000/0000 2-20036/0959                        | 11/13/76         | 100            | 9211         | 5542N        | 04630E                | 13.8                | 157.8                | GGGG                    | 186 20                 |
| 2661-07074        | 00000/0000 2-20036/0960                        | 11/13/76         | 50             | 9211         | 5418N        | 04543E                | 14.9                | 157.0                | GGGG                    | 186 21                 |
| 2661-07080        | 00000/0000 2-20036/0961                        | 11/13/76         | 10             | 9211         | 5254N        | 04458E                | 16.1                | 156.3                | GGGG                    | 186 22                 |
| 2661-07083        | 00000/0000 2-20036/0962                        | 11/13/76         | 10             | 9211         | 5130N        | 04416E                | 17.2                | 155.5                | GGGG                    | 186 23                 |
| 2661-07085        | 00000/0000 2-20036/0963                        | 11/13/76         | 70             | 9211         | 5006N        | 04336E                | 18.3                | 154.8                | GGGG                    | 186 24                 |
| 2661-07092        | 00000/0000 2-20036/0964                        | 11/13/76         | 100            | 9211         | 4841N        | 04257E                | 19.5                | 154.1                | GGGG                    | 186 25                 |
| 2661-07094        | 00000/0000 2-20036/0922                        | 11/13/76         | 100            | 9211         | 4716N        | 04221E                | 20.6                | 153.3                | GGGG                    | 186 26                 |
| 2661-07101        | 00000/0000 2-20036/0923                        | 11/13/76         | 40             | 9211         | 4551N        | 04146E                | 21.7                | 152.6                | GGGG                    | 186 27                 |
| 2661-07103        | 00000/0000 2-20036/0924                        | 11/13/76         | 10             | 9211         | 4427N        | 04113E                | 22.8                | 151.9                | FFFF                    | 186 28                 |
| 2661-08505        | 00000/0000 2-20036/0925                        | 11/13/76         | 90             | 9212         | 5417N        | 01950E                | 14.9                | 157.0                | GGGG                    | 204 29                 |
| 2661-12434        | 00000/0000 2-20036/0926                        | 11/13/76         | 10             | 9214         | 3552S        | 05731W                | 48.5                | 76.2                 | GGGG                    | 240 22                 |
| 2661-12440        | 00000/0000 2-20036/0927                        | 11/13/76         | 10             | 9214         | 3717S        | 05758W                | 47.9                | 74.9                 | GGGG                    | 240 25                 |
| 2661-12443        | 00000/0000 2-20036/0928                        | 11/13/76         | 10             | 9214         | 3843S        | 05827W                | 47.2                | 73.7                 | FGGG                    | 240 26                 |
| 2661-13595        | 00000/0000 2-20036/0544                        | 11/13/76         | 80             | 9215         | 5706N        | 05556W                | 12.6                | 158.7                | FGGG                    | 7 20                   |
| 2661-14002        | 00000/0000 2-20036/0545                        | 11/13/76         | 90             | 9215         | 5543N        | 05646W                | 13.7                | 157.8                | FGGG                    | 7 21                   |
| 2661-14004        | 00000/0000 2-20036/0546                        | 11/13/76         | 60             | 9215         | 5420N        | 05734W                | 14.9                | 157.0                | GGGG                    | 7 22                   |
| 2661-14011        | 00000/0000 2-20036/0547                        | 11/13/76         | 60             | 9215         | 5255N        | 05820W                | 16.0                | 156.3                | GGGP                    | 7 23                   |
| 2661-14013        | 00000/0000 2-20036/0548                        | 11/13/76         | 80             | 9215         | 5131N        | 05902W                | 17.1                | 155.5                | GGGG                    | 7 24                   |
| 2661-14020        | 00000/0000 2-20036/0549                        | 11/13/76         | 30             | 9215         | 5007N        | 05942W                | 18.2                | 154.8                | GGGG                    | 7 25                   |
| 2661-14022        | 00000/0000 2-20036/0550                        | 11/13/76         | 60             | 9215         | 4843N        | 06019W                | 19.4                | 154.1                | GGGG                    | 7 26                   |
| 2661-14025        | 00000/0000 2-20036/0551                        | 11/13/76         | 60             | 9215         | 4718N        | 06055W                | 20.5                | 153.4                | GGGG                    | 7 27                   |
| 2661-14031        | 00000/0000 2-20036/0552                        | 11/13/76         | 50             | 9215         | 4553N        | 06130W                | 21.6                | 152.7                | GGGG                    | 7 28                   |
| 2661-14034        | 00000/0000 2-20036/0553                        | 11/13/76         | 40             | 9215         | 4428N        | 06203W                | 22.7                | 152.0                | GGGG                    | 7 29                   |
| 2661-14040        | 00000/0000 2-20036/0554                        | 11/13/76         | 50             | 9215         | 4303N        | 06236W                | 23.8                | 151.2                | GGGG                    | 7 30                   |
| 2661-14043        | 00000/0000 2-20036/0555                        | 11/13/76         | 50             | 9215         | 4138N        | 06307W                | 24.9                | 150.5                | GGGG                    | 7 31                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

PAGE 056A

| OBSERVATION<br>ID | MICROFILM RBLI NR./<br>POSITION IN RBLI<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2661-22595        | 00000/0000                                     | 2-20036/0929     | 11/13/76       | 50                     | 9220                               | 2426S                               | 15052E       | 52.2         | 88.5                               | GGGG                |                      | 97                      | 77                     |
| 2661-23002        | 00000/0000                                     | 2-20036/0930     | 11/13/76       | 30                     | 9220                               | 2552S                               | 15029E       | 51.9         | 86.3                               | GGGG                |                      | 97                      | 78                     |
| 2661-23004        | 00000/0000                                     | 2-20036/0931     | 11/13/76       | 10                     | 9220                               | 2716S                               | 15005E       | 51.5         | 85.2                               | GGGG                |                      | 97                      | 79                     |
| 2661-23011        | 00000/0000                                     | 2-20036/0932     | 11/13/76       | 0                      | 9220                               | 2842S                               | 14941E       | 51.1         | 83.5                               | FGGG                |                      | 97                      | 80                     |
| 2662-00454        | 00000/0000                                     | 2-20036/0933     | 11/14/76       | 60                     | 9221                               | 3301S                               | 12239E       | 49.7         | 79.1                               | GGGG                |                      | 115                     | 83                     |
| 2662-02065        | 00000/0000                                     | 2-20036/0934     | 11/14/76       | 10                     | 9222                               | 4302N                               | 11443E       | 23.7         | 151.3                              | GGGG                |                      | 133                     | 30                     |
| 2662-02072        | 00000/0000                                     | 2-20036/0935     | 11/14/76       | 0                      | 9222                               | 4137N                               | 11411E       | 24.7         | 150.6                              | GGGG                |                      | 133                     | 31                     |
| 2662-02074        | 00000/0000                                     | 2-20036/0936     | 11/14/76       | 30                     | 9222                               | 4012N                               | 11541E       | 25.8         | 149.8                              | GGGG                |                      | 133                     | 32                     |
| 2662-02081        | 00000/0000                                     | 2-20036/0937     | 11/14/76       | 10                     | 9222                               | 3847N                               | 11511E       | 26.9         | 149.1                              | GGGG                |                      | 133                     | 33                     |
| 2662-02083        | 00000/0000                                     | 2-20036/0938     | 11/14/76       | 0                      | 9222                               | 3721N                               | 11443E       | 28.0         | 148.4                              | GGGG                |                      | 133                     | 34                     |
| 2662-02090        | 00000/0000                                     | 2-20036/0939     | 11/14/76       | 0                      | 9222                               | 3556N                               | 11415E       | 29.0         | 147.6                              | GGGG                |                      | 133                     | 35                     |
| 2662-02092        | 00000/0000                                     | 2-20036/0940     | 11/14/76       | 0                      | 9222                               | 3430N                               | 11348E       | 30.1         | 146.9                              | GGGG                |                      | 133                     | 36                     |
| 2662-02095        | 00000/0000                                     | 2-20036/0941     | 11/14/76       | 10                     | 9222                               | 3305N                               | 11322E       | 31.1         | 146.1                              | FGGG                |                      | 133                     | 37                     |
| 2662-02101        | 00000/0000                                     | 2-20036/0942     | 11/14/76       | 10                     | 9222                               | 3139N                               | 11257E       | 32.2         | 145.3                              | FGGG                |                      | 133                     | 38                     |
| 2662-02104        | 00000/0000                                     | 2-20036/0943     | 11/14/76       | 20                     | 9222                               | 3013N                               | 11233E       | 33.2         | 144.5                              | GGGG                |                      | 133                     | 39                     |
| 2662-02110        | 00000/0000                                     | 2-20036/0944     | 11/14/76       | 40                     | 9222                               | 2847N                               | 11209E       | 34.2         | 143.6                              | GGGG                |                      | 133                     | 40                     |
| 2662-02113        | 00000/0000                                     | 2-20036/0945     | 11/14/76       | 30                     | 9222                               | 2722N                               | 11146E       | 35.2         | 142.7                              | GGGG                |                      | 133                     | 41                     |
| 2662-02115        | 00000/0000                                     | 2-20036/0946     | 11/14/76       | 30                     | 9222                               | 2556N                               | 11123E       | 36.2         | 141.8                              | GGGG                |                      | 133                     | 42                     |
| 2662-02122        | 00000/0000                                     | 2-20036/0947     | 11/14/76       | 90                     | 9222                               | 2430N                               | 11101E       | 37.1         | 140.9                              | GGGG                |                      | 133                     | 43                     |
| 2662-02124        | 00000/0000                                     | 2-20036/0948     | 11/14/76       | 90                     | 9222                               | 2303N                               | 11038E       | 38.1         | 139.9                              | GGGG                |                      | 133                     | 44                     |
| 2662-02131        | 00000/0000                                     | 2-20036/0949     | 11/14/76       | 90                     | 9222                               | 2137N                               | 11015E       | 39.0         | 139.0                              | GGGG                |                      | 133                     | 45                     |
| 2662-02133        | 00000/0000                                     | 2-20036/0950     | 11/14/76       | 90                     | 9222                               | 2011N                               | 10954E       | 39.9         | 137.9                              | GGGG                |                      | 133                     | 46                     |
| 2662-03494        | 00000/0000                                     | 2-20036/0956     | 11/14/76       | 30                     | 9223                               | 4426N                               | 09127E       | 22.5         | 152.0                              | GGGG                |                      | 151                     | 29                     |
| 2662-03501        | 00000/0000                                     | 2-20036/0957     | 11/14/76       | 50                     | 9223                               | 4301N                               | 09055E       | 23.6         | 151.3                              | GGGG                |                      | 151                     | 30                     |
| 2662-03503        | 00000/0000                                     | 2-20036/0958     | 11/14/76       | 60                     | 9223                               | 4136N                               | 09024E       | 24.7         | 150.6                              | GGGG                |                      | 151                     | 31                     |
| 2662-03510        | 00000/0000                                     | 2-20036/0959     | 11/14/76       | 90                     | 9223                               | 4011N                               | 08954E       | 25.8         | 149.8                              | GGGG                |                      | 151                     | 32                     |
| 2662-03515        | 00000/0000                                     | 2-20036/0960     | 11/14/76       | 70                     | 9223                               | 3846N                               | 08924E       | 26.9         | 149.1                              | GGGG                |                      | 151                     | 33                     |
| 2662-03521        | 00000/0000                                     | 2-20036/0961     | 11/14/76       | 40                     | 9223                               | 3721N                               | 08855E       | 28.0         | 148.4                              | FFGF                |                      | 151                     | 34                     |
| 2662-03524        | 00000/0000                                     | 2-20036/0962     | 11/14/76       | 10                     | 9223                               | 3556N                               | 08828E       | 29.0         | 147.6                              | GGGG                |                      | 151                     | 35                     |
| 2662-03530        | 00000/0000                                     | 2-20036/0963     | 11/14/76       | 0                      | 9223                               | 3431N                               | 08801E       | 30.1         | 146.9                              | GGGG                |                      | 151                     | 36                     |
| 2662-03533        | 00000/0000                                     | 2-20036/0964     | 11/14/76       | 0                      | 9223                               | 3306N                               | 08736E       | 31.1         | 146.1                              | GGGG                |                      | 151                     | 37                     |
| 2662-03535        | 00000/0000                                     | 2-20036/0965     | 11/14/76       | 10                     | 9223                               | 3141N                               | 08711E       | 32.1         | 145.3                              | GGGG                |                      | 151                     | 38                     |
| 2662-03542        | 00000/0000                                     | 2-20036/0966     | 11/14/76       | 10                     | 9223                               | 3015N                               | 08647E       | 33.2         | 144.5                              | GGGG                |                      | 151                     | 39                     |
| 2662-03544        | 00000/0000                                     | 2-20036/0967     | 11/14/76       | 0                      | 9223                               | 2848N                               | 08622E       | 34.2         | 143.6                              | GGGG                |                      | 151                     | 40                     |
| 2662-03551        | 00000/0000                                     | 2-20036/0968     | 11/14/76       | 10                     | 9223                               | 2722N                               | 08559E       | 35.2         | 142.7                              | GGGG                |                      | 151                     | 41                     |
|                   |                                                | 2-20036/0969     | 11/14/76       | 0                      | 9223                               | 2556N                               | 08535E       | 36.1         | 141.8                              | GGGG                |                      | 151                     | 42                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2662-03553        | 00000/0000                   | 2-20036/0570                | 11/14/76         | 10             | 9223            | 2429N                        | 08512E        | 37.1         | 140.9        | GGGG                  |                     |                      | 151                     | 43                     |
| 2662-03560        | 00000/0000                   | 2-20036/0571                | 11/14/76         | 0              | 9223            | 2304N                        | 08449E        | 38.1         | 140.0        | GGGG                  |                     |                      | 151                     | 44                     |
| 2662-03562        | 00000/0000                   | 2-20036/0572                | 11/14/76         | 0              | 9223            | 2138N                        | 08426E        | 39.0         | 139.0        | GGGG                  |                     |                      | 151                     | 45                     |
| 2662-03565        | 00000/0000                   | 2-20036/0573                | 11/14/76         | 0              | 9223            | 2012N                        | 08404E        | 39.9         | 137.9        | GGGG                  |                     |                      | 151                     | 46                     |
| 2662-03571        | 00000/0000                   | 2-20036/0574                | 11/14/76         | 10             | 9223            | 1846N                        | 08342E        | 40.8         | 136.9        | GGGG                  |                     |                      | 151                     | 47                     |
| 2662-03574        | 00000/0000                   | 2-20036/0575                | 11/14/76         | 10             | 9223            | 1719N                        | 08320E        | 41.7         | 135.8        | GGGG                  |                     |                      | 151                     | 48                     |
| 2662-03580        | 00000/0000                   | 2-20036/0576                | 11/14/76         | 20             | 9223            | 1552N                        | 08300E        | 42.5         | 134.6        | GGGG                  |                     |                      | 151                     | 49                     |
| 2662-03583        | 00000/0000                   | 2-20036/0577                | 11/14/76         | 20             | 9223            | 1425N                        | 08239E        | 43.4         | 133.5        | GGGG                  |                     |                      | 151                     | 50                     |
| 2662-03585        | 00000/0000                   | 2-20036/0578                | 11/14/76         | 20             | 9223            | 1259N                        | 08218E        | 44.2         | 132.2        | GGGG                  |                     |                      | 151                     | 51                     |
| 2662-05303        | 00000/0000                   | 2-20036/0579                | 11/14/76         | 30             | 9224            | 5253N                        | 06918E        | 15.8         | 156.3        | GGGG                  |                     |                      | 169                     | 23                     |
| 2662-05305        | 00000/0000                   | 2-20036/0580                | 11/14/76         | 70             | 9224            | 5129N                        | 06837E        | 17.0         | 155.5        | GGGG                  |                     |                      | 169                     | 24                     |
| 2662-05312        | 00000/0000                   | 2-20036/0581                | 11/14/76         | 50             | 9224            | 5005N                        | 06757E        | 18.1         | 154.8        | GGGG                  |                     |                      | 169                     | 25                     |
| 2662-05314        | 00000/0000                   | 2-20036/0582                | 11/14/76         | 70             | 9224            | 4841N                        | 06719E        | 19.2         | 154.1        | GGGG                  |                     |                      | 169                     | 26                     |
| 2662-05321        | 00000/0000                   | 2-20036/0583                | 11/14/76         | 90             | 9224            | 4717N                        | 06643E        | 20.3         | 153.4        | GGGG                  |                     |                      | 169                     | 27                     |
| 2662-05323        | 00000/0000                   | 2-20036/0584                | 11/14/76         | 70             | 9224            | 4552N                        | 06608E        | 21.4         | 152.7        | GGGG                  |                     |                      | 169                     | 28                     |
| 2662-05330        | 00000/0000                   | 2-20036/0585                | 11/14/76         | 30             | 9224            | 4427N                        | 06535E        | 22.5         | 152.0        | GGGG                  |                     |                      | 169                     | 29                     |
| 2662-05332        | 00000/0000                   | 2-20036/0586                | 11/14/76         | 30             | 9224            | 4303N                        | 06503E        | 23.6         | 151.3        | GGFF                  |                     |                      | 169                     | 30                     |
| 2662-05335        | 00000/0000                   | 2-20036/0587                | 11/14/76         | 20             | 9224            | 4137N                        | 06432E        | 24.7         | 150.6        | PGGG                  |                     |                      | 169                     | 31                     |
| 2662-05341        | 00000/0000                   | 2-20036/0588                | 11/14/76         | 10             | 9224            | 4012N                        | 06402E        | 25.8         | 149.9        | GGGG                  |                     |                      | 169                     | 32                     |
| 2662-05344        | 00000/0000                   | 2-20036/0589                | 11/14/76         | 0              | 9224            | 3847N                        | 06333E        | 26.9         | 149.1        | GGGG                  |                     |                      | 169                     | 33                     |
| 2662-05350        | 00000/0000                   | 2-20036/0590                | 11/14/76         | 10             | 9224            | 3721N                        | 06305E        | 28.0         | 148.4        | FGFG                  |                     |                      | 169                     | 34                     |
| 2662-05353        | 00000/0000                   | 2-20036/0591                | 11/14/76         | 10             | 9224            | 3556N                        | 06237E        | 29.0         | 147.6        | FGGG                  |                     |                      | 169                     | 35                     |
| 2662-05355        | 00000/0000                   | 2-20036/0592                | 11/14/76         | 0              | 9224            | 3430N                        | 06210E        | 30.1         | 146.9        | FGGG                  |                     |                      | 169                     | 36                     |
| 2662-05362        | 00000/0000                   | 2-20036/0593                | 11/14/76         | 0              | 9224            | 3305N                        | 06144E        | 31.1         | 146.1        | GGGG                  |                     |                      | 169                     | 37                     |
| 2662-05364        | 00000/0000                   | 2-20036/0594                | 11/14/76         | 0              | 9224            | 3139N                        | 06119E        | 32.1         | 145.3        | GGGG                  |                     |                      | 169                     | 38                     |
| 2662-05371        | 00000/0000                   | 2-20036/0595                | 11/14/76         | 0              | 9224            | 3013N                        | 06054E        | 33.1         | 144.5        | GGGG                  |                     |                      | 169                     | 39                     |
| 2662-05373        | 00000/0000                   | 2-20036/0596                | 11/14/76         | 0              | 9224            | 2847N                        | 06030E        | 34.2         | 143.6        | GGGG                  |                     |                      | 169                     | 40                     |
| 2662-05380        | 00000/0000                   | 2-20036/0597                | 11/14/76         | 0              | 9224            | 2721N                        | 06006E        | 35.1         | 142.7        | GGGG                  |                     |                      | 169                     | 41                     |
| 2662-05382        | 00000/0000                   | 2-20036/0598                | 11/14/76         | 10             | 9224            | 2555N                        | 05943E        | 36.1         | 141.8        | FGGG                  |                     |                      | 169                     | 42                     |
| 2662-07125        | 00000/0000                   | 2-20036/0965                | 11/14/76         | 100            | 9225            | 5540N                        | 04502E        | 13.5         | 157.8        | GGGG                  |                     |                      | 187                     | 21                     |
| 2662-07132        | 00000/0000                   | 2-20036/0966                | 11/14/76         | 100            | 9225            | 5417N                        | 04415E        | 14.7         | 157.0        | GGGG                  |                     |                      | 187                     | 22                     |
| 2662-07134        | 00000/0000                   | 2-20036/0967                | 11/14/76         | 100            | 9225            | 5253N                        | 04331E        | 15.8         | 156.3        | GGGG                  |                     |                      | 187                     | 23                     |
| 2662-07141        | 00000/0000                   | 2-20036/0968                | 11/14/76         | 90             | 9225            | 5129N                        | 04249E        | 16.9         | 155.5        | GGGG                  |                     |                      | 187                     | 24                     |
| 2662-07143        | 00000/0000                   | 2-20036/0969                | 11/14/76         | 100            | 9225            | 5005N                        | 04209E        | 18.1         | 154.8        | GGGG                  |                     |                      | 187                     | 25                     |
| 2662-07150        | 00000/0000                   | 2-20036/0970                | 11/14/76         | 100            | 9225            | 4841N                        | 04130E        | 19.2         | 154.1        | GGGG                  |                     |                      | 187                     | 26                     |
| 2662-07152        | 00000/0000                   | 2-20036/0971                | 11/14/76         | 90             | 9225            | 4716N                        | 04054E        | 20.3         | 153.4        | GGGG                  |                     |                      | 187                     | 27                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION IC LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>RBV | RAIL NR./<br>POSITION IN RAIL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------|--------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2662-07155        | 00000/0000       | 2-20036/0972                         | 11/14/76         | 10             | 9225            | 4352N                        | 04020E        | 21.4         | 152.7        | GGGG                  |                     |                      |                         |                        |
| 2662-07161        | 00000/0000       | 2-20036/0973                         | 11/14/76         | 0              | 9225            | 4427N                        | 03947E        | 22.5         | 152.0        | GGGG                  |                     |                      | 187                     | 28                     |
| 2662-12481        | 00000/0000       | 2-20036/0599                         | 11/14/76         | 10             | 9228            | 3135S                        | 05739W        | 50.2         | 80.7         | GGGG                  |                     |                      | 187                     | 29                     |
| 2662-12490        | 00000/0000       | 2-20036/0600                         | 11/14/76         | 10             | 9228            | 3426S                        | 05831W        | 49.2         | 77.8         | GGGG                  |                     |                      | 241                     | 82                     |
| 2662-12492        | 00000/0000       | 2-20036/0601                         | 11/14/76         | 40             | 9228            | 3551S                        | 05857W        | 48.6         | 76.5         | GGGG                  |                     |                      | 241                     | 84                     |
| 2662-12495        | 00000/0000       | 2-20036/0602                         | 11/14/76         | 70             | 9228            | 3717S                        | 05924W        | 48.0         | 75.3         | GGGG                  |                     |                      | 241                     | 85                     |
| 2662-12501        | 00000/0000       | 2-20036/0603                         | 11/14/76         | 40             | 9228            | 3842S                        | 05952W        | 47.3         | 74.1         | GGGG                  |                     |                      | 241                     | 86                     |
| 2662-14053        | 00000/0000       | 2-20036/0641                         | 11/14/76         | 70             | 9229            | 5706N                        | 05723W        | 12.3         | 158.7        | GGGG                  |                     |                      | 241                     | 87                     |
| 2662-14060        | 00000/0000       | 2-20036/0642                         | 11/14/76         | 90             | 9229            | 5543N                        | 05814W        | 13.5         | 157.8        | GGGG                  |                     |                      | 8                       | 20                     |
| 2662-14062        | 00000/0000       | 2-20036/0643                         | 11/14/76         | 90             | 9229            | 5420N                        | 05901W        | 14.6         | 157.1        | GGG                   |                     |                      | 8                       | 21                     |
| 2662-14065        | 00000/0000       | 2-20036/0644                         | 11/14/76         | 40             | 9229            | 5257N                        | 05944W        | 15.7         | 156.3        | GGG                   |                     |                      | 8                       | 22                     |
| 2662-14071        | 00000/0000       | 2-20036/0645                         | 11/14/76         | 60             | 9229            | 5133N                        | 06026W        | 16.9         | 155.6        | GGG                   |                     |                      | 8                       | 23                     |
| 2662-14074        | 00000/0000       | 2-20036/0646                         | 11/14/76         | 90             | 9229            | 5008N                        | 06106W        | 18.0         | 154.8        | GGGG                  |                     |                      | 8                       | 24                     |
| 2662-14080        | 00000/0000       | 2-20036/0647                         | 11/14/76         | 100            | 9229            | 4843N                        | 06144W        | 19.1         | 154.1        | GGG                   |                     |                      | 8                       | 25                     |
| 2662-14083        | 00000/0000       | 2-20036/0648                         | 11/14/76         | 90             | 9229            | 4718N                        | 06221W        | 20.2         | 153.4        | GGGG                  |                     |                      | 8                       | 26                     |
| 2662-14085        | 00000/0000       | 2-20036/0649                         | 11/14/76         | 90             | 9229            | 4553N                        | 06256W        | 21.3         | 152.7        | GGGG                  |                     |                      | 8                       | 27                     |
| 2662-14092        | 00000/0000       | 2-20036/0650                         | 11/14/76         | 100            | 9229            | 4428N                        | 06330W        | 22.4         | 152.0        | GGGG                  |                     |                      | 8                       | 28                     |
| 2662-14094        | 00000/0000       | 2-20036/0651                         | 11/14/76         | 100            | 9229            | 4303N                        | 06402W        | 23.5         | 151.3        | GGGG                  |                     |                      | 8                       | 29                     |
| 2662-14101        | 00000/0000       | 2-20036/0652                         | 11/14/76         | 90             | 9229            | 4138N                        | 06433W        | 24.6         | 150.6        | GGGG                  |                     |                      | 8                       | 30                     |
| 2662-17393        | 00000/0000       | 2-20036/0653                         | 11/14/76         | 50             | 9231            | 3141N                        | 11922W        | 32.0         | 145.3        | GGGG                  |                     |                      | 8                       | 31                     |
| 2662-23060        | 00000/0000       | 2-20036/0604                         | 11/14/76         | 90             | 9234            | 2552S                        | 14903E        | 51.9         | 87.2         | GGGG                  |                     |                      | 44                      | 38                     |
| 2662-23063        | 00000/0000       | 2-20036/0605                         | 11/14/76         | 90             | 9234            | 2718S                        | 14840E        | 51.6         | 85.6         | GGGG                  |                     |                      | 98                      | 78                     |
| 2662-23065        | 00000/0000       | 2-20036/0606                         | 11/14/76         | 70             | 9234            | 2844S                        | 14816E        | 51.2         | 83.9         | GGFG                  |                     |                      | 98                      | 79                     |
| 2662-23090        | 00000/0000       | 2-20036/0607                         | 11/14/76         | 70             | 9234            | 3552S                        | 14608E        | 48.6         | 76.7         | GGGG                  |                     |                      | 98                      | 80                     |
| 2662-23092        | 00000/0000       | 2-20036/0608                         | 11/14/76         | 90             | 9234            | 3717S                        | 14541E        | 48.0         | 75.4         | GGGG                  |                     |                      | 98                      | 85                     |
| 2663-00510        | 00000/0000       | 2-20036/0609                         | 11/15/76         | 0              | 9235            | 3136S                        | 12138E        | 50.3         | 80.9         | GGGG                  |                     |                      | 98                      | 86                     |
| 2663-00512        | 00000/0000       | 2-20036/0610                         | 11/15/76         | 50             | 9235            | 3301S                        | 12113E        | 49.8         | 79.4         | GGGG                  |                     |                      | 116                     | 82                     |
| 2663-02130        | 00000/0000       | 2-20036/0611                         | 11/15/76         | 30             | 9236            | 4135N                        | 11445E        | 24.5         | 150.6        | GGGG                  |                     |                      | 116                     | 83                     |
| 2663-02132        | 00000/0000       | 2-20036/0612                         | 11/15/76         | 90             | 9236            | 4011N                        | 11415E        | 25.6         | 149.9        | GGGG                  |                     |                      | 134                     | 31                     |
| 2663-02135        | 00000/0000       | 2-20036/0613                         | 11/15/76         | 80             | 9236            | 3846N                        | 11345E        | 26.7         | 149.2        | GGGG                  |                     |                      | 134                     | 32                     |
| 2663-02141        | 00000/0000       | 2-20036/0614                         | 11/15/76         | 70             | 9236            | 3721N                        | 11317E        | 27.7         | 148.5        | GGGG                  |                     |                      | 134                     | 33                     |
| 2663-02144        | 00000/0000       | 2-20036/0615                         | 11/15/76         | 90             | 9236            | 3556N                        | 11250E        | 28.8         | 147.7        | GGGG                  |                     |                      | 134                     | 34                     |
| 2663-02150        | 00000/0000       | 2-20036/0616                         | 11/15/76         | 100            | 9236            | 3430N                        | 11224E        | 29.8         | 147.0        | GGGG                  |                     |                      | 134                     | 35                     |
| 2663-02153        | 00000/0000       | 2-20036/0617                         | 11/15/76         | 100            | 9236            | 3305N                        | 11159E        | 30.9         | 146.2        | GGGG                  |                     |                      | 134                     | 36                     |
| 2663-02155        | 00000/0000       | 2-20036/0618                         | 11/15/76         | 100            | 9236            | 3140N                        | 11133E        | 31.9         | 145.4        | GGG                   |                     |                      | 134                     | 37                     |
| 2663-02162        | 00000/0000       | 2-20036/0619                         | 11/15/76         | 100            | 9236            | 3014N                        | 11109E        | 32.9         | 144.6        | GGGG                  |                     |                      | 134                     | 39                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=8AND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2663-02164        | 00000/0000                                     | 2-20036/0620     | 11/15/76       | 100             | 9236                         | 2848N         | 11045E       | 33.9         | 143.7                 | GGGG                |                      | 134                     | 40                     |
| 2663-02171        | 00000/0000                                     | 2-20036/0621     | 11/15/76       | 100             | 9236                         | 2723N         | 11021E       | 34.9         | 142.9                 | GGGG                |                      | 134                     | 41                     |
| 2663-02173        | 00000/0000                                     | 2-20036/0622     | 11/15/76       | 100             | 9236                         | 2556N         | 10957E       | 35.9         | 142.0                 | GGGG                |                      | 134                     | 42                     |
| 2663-02180        | 00000/0000                                     | 2-20036/0623     | 11/15/76       | 100             | 9236                         | 2430N         | 10934E       | 36.9         | 141.1                 | GGGG                |                      | 134                     | 43                     |
| 2663-02182        | 00000/0000                                     | 2-20036/0624     | 11/15/76       | 100             | 9236                         | 2303N         | 10912E       | 37.8         | 140.1                 | GGGG                |                      | 134                     | 44                     |
| 2663-02185        | 00000/0000                                     | 2-20036/0625     | 11/15/76       | 90              | 9236                         | 2137N         | 10849E       | 38.8         | 139.1                 | GGGG                |                      | 134                     | 45                     |
| 2663-03534        | 00000/0000                                     | 2-20036/0654     | 11/15/76       | 10              | 9237                         | 5006N         | 0922E        | 17.8         | 154.8                 | GGGG                |                      | 152                     | 25                     |
| 2663-03541        | 00000/0000                                     | 2-20036/0655     | 11/15/76       | 10              | 9237                         | 4842N         | 09143E       | 19.0         | 154.1                 | PGFF                |                      | 152                     | 26                     |
| 2663-03543        | 00000/0000                                     | 2-20036/0656     | 11/15/76       | 10              | 9237                         | 4717N         | 09107E       | 20.1         | 153.4                 | GGGG                |                      | 152                     | 27                     |
| 2663-03550        | 00000/0000                                     | 2-20036/0657     | 11/15/76       | 30              | 9237                         | 4552N         | 09032E       | 21.2         | 152.7                 | GGGG                |                      | 152                     | 28                     |
| 2663-03552        | 00000/0000                                     | 2-20036/0658     | 11/15/76       | 30              | 9237                         | 4427N         | 08959E       | 22.3         | 152.0                 | FGGF                |                      | 152                     | 29                     |
| 2663-03555        | 00000/0000                                     | 2-20036/0659     | 11/15/76       | 10              | 9237                         | 4302N         | 08928E       | 23.4         | 151.3                 | GGGF                |                      | 152                     | 30                     |
| 2663-03561        | 00000/0000                                     | 2-20036/0660     | 11/15/76       | 10              | 9237                         | 4137N         | 08857E       | 24.5         | 150.6                 | GGGF                |                      | 152                     | 31                     |
| 2663-03564        | 00000/0000                                     | 2-20036/0661     | 11/15/76       | 20              | 9237                         | 4012N         | 08827E       | 25.6         | 149.9                 | GGGG                |                      | 152                     | 32                     |
| 2663-03570        | 00000/0000                                     | 2-20036/0662     | 11/15/76       | 40              | 9237                         | 3847N         | 08758E       | 26.6         | 149.2                 | GGGF                |                      | 152                     | 33                     |
| 2663-03573        | 00000/0000                                     | 2-20036/0663     | 11/15/76       | 60              | 9237                         | 3721N         | 08729E       | 27.7         | 148.5                 | GGGG                |                      | 152                     | 34                     |
| 2663-03575        | 00000/0000                                     | 2-20036/0664     | 11/15/76       | 40              | 9237                         | 3556N         | 08702E       | 28.8         | 147.7                 | FGGG                |                      | 152                     | 35                     |
| 2663-03582        | 00000/0000                                     | 2-20036/0665     | 11/15/76       | 10              | 9237                         | 3431N         | 08635E       | 29.8         | 147.0                 | GGGG                |                      | 152                     | 36                     |
| 2663-03584        | 00000/0000                                     | 2-20036/0666     | 11/15/76       | 0               | 9237                         | 3305N         | 08610E       | 30.9         | 146.2                 | GGGG                |                      | 152                     | 37                     |
| 2663-03591        | 00000/0000                                     | 2-20036/0667     | 11/15/76       | 0               | 9237                         | 3138N         | 08544E       | 31.9         | 145.4                 | GGGG                |                      | 152                     | 38                     |
| 2663-03593        | 00000/0000                                     | 2-20036/0668     | 11/15/76       | 10              | 9237                         | 3012N         | 08520E       | 32.9         | 144.6                 | GGGG                |                      | 152                     | 39                     |
| 2663-04000        | 00000/0000                                     | 2-20036/0669     | 11/15/76       | 10              | 9237                         | 2847N         | 08455E       | 33.9         | 143.7                 | GGGG                |                      | 152                     | 40                     |
| 2663-04002        | 00000/0000                                     | 2-20036/0670     | 11/15/76       | 10              | 9237                         | 2722N         | 08431E       | 34.9         | 142.9                 | FGGG                |                      | 152                     | 41                     |
| 2663-04005        | 00000/0000                                     | 2-20036/0671     | 11/15/76       | 0               | 9237                         | 2556N         | 08407E       | 35.9         | 142.0                 | FGGG                |                      | 152                     | 42                     |
| 2663-04020        | 00000/0000                                     | 2-20036/0672     | 11/15/76       | 0               | 9237                         | 2137N         | 08259E       | 38.8         | 139.1                 | GGGG                |                      | 152                     | 45                     |
| 2663-04023        | 00000/0000                                     | 2-20036/0673     | 11/15/76       | 0               | 9237                         | 2010N         | 08237E       | 39.7         | 138.1                 | FGFF                |                      | 152                     | 46                     |
| 2663-04025        | 00000/0000                                     | 2-20036/0674     | 11/15/76       | 10              | 9237                         | 1844N         | 08215E       | 40.6         | 137.1                 | FGGG                |                      | 152                     | 47                     |
| 2663-04032        | 00000/0000                                     | 2-20036/0675     | 11/15/76       | 10              | 9237                         | 1718N         | 08154E       | 41.5         | 136.0                 | FGGG                |                      | 152                     | 48                     |
| 2663-04034        | 00000/0000                                     | 2-20036/0676     | 11/15/76       | 10              | 9237                         | 1551N         | 08133E       | 42.3         | 134.8                 | FFGG                |                      | 152                     | 49                     |
| 2663-04043        | 00000/0000                                     | 2-20036/0677     | 11/15/76       | 40              | 9237                         | 1300N         | 08052E       | 44.0         | 132.5                 | GGGG                |                      | 170                     | 23                     |
| 2663-05361        | 00000/0000                                     | 2-20036/0678     | 11/15/76       | 90              | 9238                         | 5252N         | 06755E       | 15.6         | 156.3                 | GGGG                |                      | 170                     | 25                     |
| 2663-05370        | 00000/0000                                     | 2-20036/0679     | 11/15/76       | 70              | 9238                         | 5005N         | 06639E       | 17.8         | 154.8                 | GGGF                |                      | 170                     | 26                     |
| 2663-05373        | 00000/0000                                     | 2-20036/0680     | 11/15/76       | 90              | 9238                         | 4841N         | 06555E       | 18.9         | 154.1                 | GGGF                |                      | 170                     | 27                     |
| 2663-05375        | 00000/0000                                     | 2-20036/0681     | 11/15/76       | 90              | 9238                         | 4716N         | 06519E       | 20.1         | 153.4                 | GGGG                |                      | 170                     | 28                     |
| 2663-05382        | 00000/0000                                     | 2-20036/0682     | 11/15/76       | 40              | 9238                         | 4552N         | 06444E       | 21.2         | 152.7                 | FGGG                |                      | 170                     | 29                     |
| 2663-05384        | 00000/0000                                     | 2-20036/0683     | 11/15/76       | 0               | 9238                         | 4427N         | 06411E       | 22.3         | 152.0                 | FGGG                |                      | 170                     | 29                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|---------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2663-05391        | 00000/0000                           | 2-20036/0684     | 11/15/76         | 10            | 9238            | 4302N                              | 06339E                              | 23.4         | 151.3        | FGFG                               |                     |                      | 170                     | 30                     |
| 2663-05393        | 00000/0000                           | 2-20036/0685     | 11/15/76         | 10            | 9238            | 4137N                              | 06307E                              | 24.5         | 150.6        | FGGG                               |                     |                      | 170                     | 31                     |
| 2663-05400        | 00000/0000                           | 2-20036/0686     | 11/15/76         | 10            | 9238            | 4012N                              | 06237E                              | 25.6         | 149.9        | FGFG                               |                     |                      | 170                     | 32                     |
| 2663-05402        | 00000/0000                           | 2-20036/0687     | 11/15/76         | 10            | 9238            | 3846N                              | 06207E                              | 26.6         | 149.2        | FGFF                               |                     |                      | 170                     | 33                     |
| 2663-05405        | 00000/0000                           | 2-20036/0688     | 11/15/76         | 10            | 9238            | 3721N                              | 06139E                              | 27.7         | 148.5        | FFGG                               |                     |                      | 170                     | 34                     |
| 2663-05411        | 00000/0000                           | 2-20036/0689     | 11/15/76         | 10            | 9238            | 3545N                              | 06112E                              | 28.8         | 147.7        | FFGG                               |                     |                      | 170                     | 35                     |
| 2663-05414        | 00000/0000                           | 2-20036/0690     | 11/15/76         | 0             | 9238            | 3430N                              | 06045E                              | 29.8         | 147.0        | FGGG                               |                     |                      | 170                     | 36                     |
| 2663-05420        | 00000/0000                           | 2-20036/0691     | 11/15/76         | 0             | 9238            | 3304N                              | 06020E                              | 30.9         | 146.2        | FGGG                               |                     |                      | 170                     | 37                     |
| 2663-05423        | 00000/0000                           | 2-20036/0692     | 11/15/76         | 0             | 9238            | 3199N                              | 05954E                              | 31.9         | 145.4        | FGGG                               |                     |                      | 170                     | 38                     |
| 2663-05425        | 00000/0000                           | 2-20036/0693     | 11/15/76         | 10            | 9238            | 3013N                              | 05930E                              | 32.9         | 144.6        | FGGG                               |                     |                      | 170                     | 39                     |
| 2663-05432        | 00000/0000                           | 2-20036/0694     | 11/15/76         | 0             | 9238            | 2847N                              | 05905E                              | 33.9         | 143.7        | FGGG                               |                     |                      | 170                     | 40                     |
| 2663-05434        | 00000/0000                           | 2-20036/0695     | 11/15/76         | 20            | 9238            | 2721N                              | 05841E                              | 34.9         | 142.9        | FGGG                               |                     |                      | 170                     | 41                     |
| 2663-05441        | 00000/0000                           | 2-20036/0696     | 11/15/76         | 10            | 9238            | 2555N                              | 05818E                              | 35.9         | 142.0        | FGGP                               |                     |                      | 170                     | 42                     |
| 2663-07181        | 00000/0000                           | 2-20036/0697     | 11/15/76         | 100           | 9239            | 5704N                              | 04427E                              | 12.1         | 158.7        | GGGG                               |                     |                      | 188                     | 20                     |
| 2663-07184        | 00000/0000                           | 2-20036/0698     | 11/15/76         | 90            | 9239            | 5541N                              | 04337E                              | 13.3         | 157.8        | GGGG                               |                     |                      | 188                     | 21                     |
| 2663-07190        | 00000/0000                           | 2-20036/0699     | 11/15/76         | 100           | 9239            | 5418N                              | 04249E                              | 14.4         | 157.1        | GGGG                               |                     |                      | 188                     | 22                     |
| 2663-07193        | 00000/0000                           | 2-20036/0700     | 11/15/76         | 90            | 9239            | 5254N                              | 04205E                              | 15.6         | 156.3        | GGGG                               |                     |                      | 188                     | 23                     |
| 2663-07204        | 00000/0000                           | 2-20036/0701     | 11/15/76         | 100           | 9239            | 4841N                              | 04004E                              | 18.9         | 154.1        | GGGG                               |                     |                      | 188                     | 24                     |
| 2663-07211        | 00000/0000                           | 2-20036/0702     | 11/15/76         | 100           | 9239            | 4716N                              | 03928E                              | 20.0         | 153.4        | GGGG                               |                     |                      | 188                     | 25                     |
| 2663-07213        | 00000/0000                           | 2-20036/0703     | 11/15/76         | 50            | 9239            | 4551N                              | 03853E                              | 21.2         | 152.7        | GGGG                               |                     |                      | 188                     | 26                     |
| 2663-07220        | 00000/0000                           | 2-20036/0704     | 11/15/76         | 10            | 9239            | 4426N                              | 03819E                              | 22.3         | 152.0        | FGGG                               |                     |                      | 188                     | 27                     |
| 2663-12535        | 00000/0000                           | 2-20036/1653     | 11/15/76         | 10            | 9242            | 3136S                              | 05905W                              | 50.3         | 81.1         | FFFF                               |                     |                      | 242                     | 28                     |
| 2663-12541        | 00000/0000                           | 2-20036/1654     | 11/15/76         | 40            | 9242            | 3302S                              | 05931W                              | 49.8         | 79.6         | FFFF                               |                     |                      | 242                     | 29                     |
| 2663-12544        | 00000/0000                           | 2-20036/1655     | 11/15/76         | 70            | 9242            | 3427S                              | 05956W                              | 49.3         | 78.2         | GGGG                               |                     |                      | 242                     | 30                     |
| 2663-12550        | 00000/0000                           | 2-20036/1656     | 11/15/76         | 90            | 9242            | 3552S                              | 06023W                              | 48.7         | 76.9         | FFFF                               |                     |                      | 242                     | 31                     |
| 2663-12555        | 00000/0000                           | 2-20036/1657     | 11/15/76         | 100           | 9242            | 3843S                              | 06118W                              | 47.4         | 74.4         | GGGG                               |                     |                      | 242                     | 32                     |
| 2663-12562        | 00000/0000                           | 2-20036/1658     | 11/15/76         | 100           | 9242            | 4008S                              | 06147W                              | 46.8         | 73.2         | GGGG                               |                     |                      | 242                     | 33                     |
| 2663-23135        | 00000/0000                           | 2-20036/0744     | 11/15/76         | 10            | 9248            | 3301S                              | 14535E                              | 49.8         | 79.8         | GGGG                               |                     |                      | 99                      | 34                     |
| 2663-23141        | 00000/0000                           | 2-20036/0745     | 11/15/76         | 20            | 9248            | 3426S                              | 14509E                              | 49.3         | 78.4         | GGGG                               |                     |                      | 99                      | 35                     |
| 2663-23144        | 00000/0000                           | 2-20036/0746     | 11/15/76         | 60            | 9248            | 3551S                              | 14443E                              | 48.7         | 77.0         | GGGG                               |                     |                      | 99                      | 36                     |
| 2663-23150        | 00000/0000                           | 2-20036/0747     | 11/15/76         | 90            | 9248            | 3717S                              | 14416E                              | 48.1         | 75.8         | GGGG                               |                     |                      | 99                      | 37                     |
| 2664-00564        | 00000/0000                           | 2-20036/0748     | 11/16/76         | 30            | 9249            | 3137S                              | 12010E                              | 50.4         | 81.3         | GGGG                               |                     |                      | 117                     | 38                     |
| 2664-00570        | 00000/0000                           | 2-20036/0749     | 11/16/76         | 0             | 9249            | 3302S                              | 11945E                              | 49.9         | 79.8         | GGGG                               |                     |                      | 117                     | 39                     |
| 2664-00573        | 00000/0000                           | 2-20036/0750     | 11/16/76         | 20            | 9249            | 3428S                              | 11919E                              | 49.3         | 78.4         | GGGG                               |                     |                      | 117                     | 40                     |
| 2664-02184        | 00000/0000                           | 2-20036/0751     | 11/16/76         | 50            | 9250            | 4137N                              | 11320E                              | 24.2         | 150.7        | GGGF                               |                     |                      | 135                     | 41                     |
| 2664-02191        | 00000/0000                           | 2-20036/0752     | 11/16/76         | 70            | 9250            | 4012N                              | 11249E                              | 25.3         | 150.0        | GGGG                               |                     |                      | 135                     | 42                     |

KEYS: CLUD COVER % ..... 0 TO 100 = % CLUD COVER.  
 IMAGE QUALITY ..... (BLANKS)=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2664-02193        | 00000/0000                                     | 2-20036/0753     | 11/16/76       | 90              | 9250                               | 3847N                               | 11220E       | 26.4         | 149.3             | GGGG        |                     |                      | 135                     | 33                     |
| 2664-02200        | 00000/0000                                     | 2-20036/0754     | 11/16/76       | 80              | 9250                               | 3721N                               | 11152E       | 27.5         | 148.5             | GGGG        |                     |                      | 135                     | 34                     |
| 2664-02202        | 00000/0000                                     | 2-20036/0755     | 11/16/76       | 80              | 9250                               | 3555N                               | 11125E       | 28.5         | 147.8             | GGGG        |                     |                      | 135                     | 35                     |
| 2664-02205        | 00000/0000                                     | 2-20036/0756     | 11/16/76       | 100             | 9250                               | 3430N                               | 11058E       | 29.6         | 147.0             | GGGF        |                     |                      | 135                     | 36                     |
| 2664-02211        | 00000/0000                                     | 2-20036/0757     | 11/16/76       | 100             | 9250                               | 3304N                               | 11032E       | 30.6         | 146.3             | GGGF        |                     |                      | 135                     | 37                     |
| 2664-02225        | 00000/0000                                     | 2-20036/0758     | 11/16/76       | 100             | 9250                               | 2722N                               | 10A55E       | 34.7         | 143.0             | GGGF        |                     |                      | 135                     | 41                     |
| 2664-02232        | 00000/0000                                     | 2-20036/0759     | 11/16/76       | 100             | 9250                               | 2555N                               | 10A31E       | 35.7         | 142.1             | GGGG        |                     |                      | 135                     | 42                     |
| 2664-02234        | 00000/0000                                     | 2-20036/0760     | 11/16/76       | 100             | 9250                               | 2428N                               | 10807E       | 36.7         | 141.2             | GGGG        |                     |                      | 135                     | 43                     |
| 2664-02241        | 00000/0000                                     | 2-20036/0761     | 11/16/76       | 100             | 9250                               | 2302N                               | 10744E       | 37.6         | 140.2             | FGFG        |                     |                      | 135                     | 44                     |
| 2664-03590        | 00000/0000                                     | 2-20036/0762     | 11/16/76       | 60              | 9251                               | 5128N                               | 09137E       | 16.5         | 155.6             | FGGG        |                     |                      | 153                     | 24                     |
| 2664-03593        | 00000/0000                                     | 2-20036/0763     | 11/16/76       | 40              | 9251                               | 5004N                               | 09057E       | 17.6         | 154.9             | FGFF        |                     |                      | 153                     | 25                     |
| 2664-03595        | 00000/0000                                     | 2-20036/0764     | 11/16/76       | 70              | 9251                               | 4840N                               | 09018E       | 18.7         | 154.2             | FGGG        |                     |                      | 153                     | 26                     |
| 2664-04002        | 00000/0000                                     | 2-20036/0765     | 11/16/76       | 50              | 9251                               | 4715N                               | 08941E       | 19.8         | 153.5             | GGGG        |                     |                      | 153                     | 27                     |
| 2664-04004        | 00000/0000                                     | 2-20036/0766     | 11/16/76       | 50              | 9251                               | 4551N                               | 08907E       | 20.9         | 152.8             | GGGG        |                     |                      | 153                     | 28                     |
| 2664-04011        | 00000/0000                                     | 2-20036/0767     | 11/16/76       | 30              | 9251                               | 4426N                               | 08833E       | 22.0         | 152.1             | GGGG        |                     |                      | 153                     | 29                     |
| 2664-04013        | 00000/0000                                     | 2-20036/0768     | 11/16/76       | 0               | 9251                               | 4302N                               | 08801E       | 23.1         | 151.4             | FFGG        |                     |                      | 153                     | 30                     |
| 2664-04020        | 00000/0000                                     | 2-20036/0769     | 11/16/76       | 0               | 9251                               | 4137N                               | 08730E       | 24.2         | 150.7             | FGGG        |                     |                      | 153                     | 31                     |
| 2664-04022        | 00000/0000                                     | 2-20036/0770     | 11/16/76       | 10              | 9251                               | 4012N                               | 08659E       | 25.3         | 150.0             | FGFG        |                     |                      | 153                     | 32                     |
| 2664-04025        | 00000/0000                                     | 2-20036/0771     | 11/16/76       | 10              | 9251                               | 3847N                               | 08630E       | 26.4         | 149.3             | FGGG        |                     |                      | 153                     | 33                     |
| 2664-04031        | 00000/0000                                     | 2-20036/0772     | 11/16/76       | 0               | 9251                               | 3721N                               | 08602E       | 27.5         | 148.5             | FGGF        |                     |                      | 153                     | 34                     |
| 2664-04034        | 00000/0000                                     | 2-20036/0773     | 11/16/76       | 10              | 9251                               | 3546N                               | 08535E       | 28.5         | 147.8             | FGFF        |                     |                      | 153                     | 35                     |
| 2664-04040        | 00000/0000                                     | 2-20036/0774     | 11/16/76       | 0               | 9251                               | 3430N                               | 08508E       | 29.6         | 147.0             | FGGG        |                     |                      | 153                     | 36                     |
| 2664-04043        | 00000/0000                                     | 2-20036/0775     | 11/16/76       | 0               | 9251                               | 3305N                               | 08442E       | 30.6         | 146.3             | FFGG        |                     |                      | 153                     | 37                     |
| 2664-04045        | 00000/0000                                     | 2-20036/0776     | 11/16/76       | 0               | 9251                               | 3128N                               | 08416E       | 31.7         | 145.5             | FGGG        |                     |                      | 153                     | 38                     |
| 2664-04052        | 00000/0000                                     | 2-20036/0777     | 11/16/76       | 10              | 9251                               | 3012N                               | 08351E       | 32.7         | 144.7             | FGGG        |                     |                      | 153                     | 39                     |
| 2664-04054        | 00000/0000                                     | 2-20036/0778     | 11/16/76       | 10              | 9251                               | 2846N                               | 08327E       | 33.7         | 143.8             | FGGG        |                     |                      | 153                     | 40                     |
| 2664-04061        | 00000/0000                                     | 2-20036/0779     | 11/16/76       | 10              | 9251                               | 2720N                               | 08304E       | 34.7         | 143.0             | FGGF        |                     |                      | 153                     | 41                     |
| 2664-04063        | 00000/0000                                     | 2-20036/0780     | 11/16/76       | 0               | 9251                               | 2554N                               | 08241E       | 35.7         | 142.1             | FGFG        |                     |                      | 153                     | 42                     |
| 2664-04070        | 00000/0000                                     | 2-20036/0781     | 11/16/76       | 0               | 9251                               | 2428N                               | 08218E       | 36.6         | 141.2             | FGGG        |                     |                      | 153                     | 43                     |
| 2664-04072        | 00000/0000                                     | 2-20036/0782     | 11/16/76       | 0               | 9251                               | 2303N                               | 08155E       | 37.6         | 140.3             | FGGG        |                     |                      | 153                     | 44                     |
| 2664-04075        | 00000/0000                                     | 2-20036/0783     | 11/16/76       | 10              | 9251                               | 2136N                               | 08132E       | 38.5         | 139.3             | FGGG        |                     |                      | 153                     | 45                     |
| 2664-04081        | 00000/0000                                     | 2-20036/0784     | 11/16/76       | 10              | 9251                               | 2010N                               | 08110E       | 39.5         | 138.3             | FGFG        |                     |                      | 153                     | 46                     |
| 2664-04084        | 00000/0000                                     | 2-20036/0785     | 11/16/76       | 20              | 9251                               | 1843N                               | 08048E       | 40.4         | 137.2             | FGGG        |                     |                      | 153                     | 47                     |
| 2664-04090        | 00000/0000                                     | 2-20036/0786     | 11/16/76       | 30              | 9251                               | 1718N                               | 08027E       | 41.2         | 136.1             | FGGG        |                     |                      | 153                     | 48                     |
| 2664-04093        | 00000/0000                                     | 2-20036/0787     | 11/16/76       | 30              | 9251                               | 1542N                               | 08000E       | 42.1         | 135.0             | FGGG        |                     |                      | 153                     | 49                     |
| 2664-04095        | 00000/0000                                     | 2-20036/0788     | 11/16/76       | 80              | 9251                               | 1425N                               | 07945E       | 42.9         | 133.9             | GGFG        |                     |                      | 153                     | 50                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | LONG   | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|-----------------|------------------------------------|--------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2664-04102        | 00000/0000                                     | 2-20036/0789 | 11/16/76         | 80             | 9251            | 1259N                              | 07925E | 43.8         | 132.7        | GGGF                               |                     |                      | 153                     | 51                     |
| 2664-05410        | 00000/0000                                     | 2-20036/0790 | 11/16/76         | 40             | 9252            | 5540N                              | 06403E | 13.0         | 157.8        | GGGG                               |                     |                      | 171                     | 21                     |
| 2664-05413        | 00000/0000                                     | 2-20036/0791 | 11/16/76         | 50             | 9252            | 5417N                              | 06717E | 14.2         | 157.1        | FGFF                               |                     |                      | 171                     | 22                     |
| 2664-05415        | 00000/0000                                     | 2-20036/0792 | 11/16/76         | 90             | 9252            | 5253N                              | 06432E | 15.3         | 156.3        | GGGG                               |                     |                      | 171                     | 23                     |
| 2664-05422        | 00000/0000                                     | 2-20036/0793 | 11/16/76         | 50             | 9252            | 5129N                              | 06549E | 16.4         | 155.6        | GGGG                               |                     |                      | 171                     | 24                     |
| 2664-05424        | 00000/0000                                     | 2-20036/0794 | 11/16/76         | 50             | 9252            | 5005N                              | 06508E | 17.6         | 154.9        | GGGG                               |                     |                      | 171                     | 25                     |
| 2664-05431        | 00000/0000                                     | 2-20036/0795 | 11/16/76         | 50             | 9252            | 4841N                              | 06430E | 18.7         | 154.2        | FGGG                               |                     |                      | 171                     | 26                     |
| 2664-05433        | 00000/0000                                     | 2-20036/0796 | 11/16/76         | 40             | 9252            | 4716N                              | 06352E | 19.8         | 153.5        | FGGG                               |                     |                      | 171                     | 27                     |
| 2664-05440        | 00000/0000                                     | 2-20036/0797 | 11/16/76         | 20             | 9252            | 4551N                              | 06317E | 20.9         | 152.8        | FGGF                               |                     |                      | 171                     | 28                     |
| 2664-05442        | 00000/0000                                     | 2-20036/0798 | 11/16/76         | 10             | 9252            | 4426N                              | 06243E | 22.0         | 152.1        | FFFG                               |                     |                      | 171                     | 29                     |
| 2664-05445        | 00000/0000                                     | 2-20036/0799 | 11/16/76         | 0              | 9252            | 4301N                              | 06211E | 23.1         | 151.4        | FGFG                               |                     |                      | 171                     | 30                     |
| 2664-05451        | 00000/0000                                     | 2-20036/0800 | 11/16/76         | 0              | 9252            | 4136N                              | 06140E | 24.2         | 150.7        | FGFF                               |                     |                      | 171                     | 31                     |
| 2664-05454        | 00000/0000                                     | 2-20036/0801 | 11/16/76         | 0              | 9252            | 4011N                              | 06109E | 25.3         | 150.0        | FFGG                               |                     |                      | 171                     | 32                     |
| 2664-05460        | 00000/0000                                     | 2-20036/0802 | 11/16/76         | 10             | 9252            | 3846N                              | 06040E | 26.4         | 149.3        | FFGG                               |                     |                      | 171                     | 33                     |
| 2664-05463        | 00000/0000                                     | 2-20036/0803 | 11/16/76         | 0              | 9252            | 3720N                              | 06012E | 27.5         | 148.5        | GGFF                               |                     |                      | 171                     | 34                     |
| 2664-05465        | 00000/0000                                     | 2-20036/0804 | 11/16/76         | 0              | 9252            | 3554N                              | 05944E | 28.5         | 147.8        | FGGF                               |                     |                      | 171                     | 35                     |
| 2664-05472        | 00000/0000                                     | 2-20036/0805 | 11/16/76         | 10             | 9252            | 3428N                              | 05918E | 29.6         | 147.1        | FFGG                               |                     |                      | 171                     | 36                     |
| 2664-05474        | 00000/0000                                     | 2-20036/0806 | 11/16/76         | 10             | 9252            | 3303N                              | 05852E | 30.6         | 146.3        | FGGG                               |                     |                      | 171                     | 37                     |
| 2664-05481        | 00000/0000                                     | 2-20036/0807 | 11/16/76         | 10             | 9252            | 3138N                              | 05827E | 31.6         | 145.5        | FFFF                               |                     |                      | 171                     | 38                     |
| 2664-05483        | 00000/0000                                     | 2-20036/0808 | 11/16/76         | 30             | 9252            | 3012N                              | 05803E | 32.7         | 144.7        | GGGG                               |                     |                      | 171                     | 39                     |
| 2664-05490        | 00000/0000                                     | 2-20036/0809 | 11/16/76         | 30             | 9252            | 2846N                              | 05739E | 33.7         | 143.9        | FFGF                               |                     |                      | 171                     | 40                     |
| 2664-05492        | 00000/0000                                     | 2-20036/0810 | 11/16/76         | 10             | 9252            | 2721N                              | 05715E | 34.7         | 143.0        | FGGF                               |                     |                      | 171                     | 41                     |
| 2664-07235        | 00000/0000                                     | 2-20036/1140 | 11/16/76         | 90             | 9253            | 5743N                              | 04303E | 11.9         | 158.7        | GGGG                               |                     |                      | 189                     | 20                     |
| 2664-07242        | 00000/0000                                     | 2-20036/1141 | 11/16/76         | 90             | 9253            | 5540N                              | 04213E | 13.0         | 157.8        | GGGG                               |                     |                      | 189                     | 21                     |
| 2664-07244        | 00000/0000                                     | 2-20036/1142 | 11/16/76         | 100            | 9253            | 5416N                              | 04126E | 14.2         | 157.1        | GGGG                               |                     |                      | 189                     | 22                     |
| 2664-07251        | 00000/0000                                     | 2-20036/1143 | 11/16/76         | 100            | 9253            | 5253N                              | 04042E | 15.3         | 156.3        | GGGG                               |                     |                      | 189                     | 23                     |
| 2664-07253        | 00000/0000                                     | 2-20036/1144 | 11/16/76         | 100            | 9253            | 5129N                              | 03959E | 16.4         | 155.6        | GGGG                               |                     |                      | 189                     | 24                     |
| 2664-07260        | 00000/0000                                     | 2-20036/1145 | 11/16/76         | 100            | 9253            | 5005N                              | 03919E | 17.6         | 154.9        | GGGG                               |                     |                      | 189                     | 25                     |
| 2664-07262        | 00000/0000                                     | 2-20036/1146 | 11/16/76         | 100            | 9253            | 4840N                              | 03840E | 18.7         | 154.2        | GGGG                               |                     |                      | 189                     | 26                     |
| 2664-07265        | 00000/0000                                     | 2-20036/1147 | 11/16/76         | 100            | 9253            | 4716N                              | 03804E | 19.8         | 153.5        | GGGG                               |                     |                      | 189                     | 27                     |
| 2664-07271        | 00000/0000                                     | 2-20036/1148 | 11/16/76         | 90             | 9253            | 4551N                              | 03729E | 20.9         | 152.8        | GGGG                               |                     |                      | 189                     | 28                     |
| 2664-07274        | 00000/0000                                     | 2-20036/1149 | 11/16/76         | 30             | 9253            | 4427N                              | 03655E | 22.0         | 152.1        | GGGG                               |                     |                      | 189                     | 29                     |
| 2664-12593        | 00000/0000                                     | 2-20036/1150 | 11/16/76         | 90             | 9256            | 3137S                              | 06031W | 50.4         | 81.4         | GGGG                               |                     |                      | 243                     | 82                     |
| 2664-13000        | 00000/0000                                     | 2-20036/1151 | 11/16/76         | 100            | 9256            | 3302S                              | 06057W | 49.9         | 80.0         | FFFF                               |                     |                      | 243                     | 83                     |
| 2664-13002        | 00000/0000                                     | 2-20036/1152 | 11/16/76         | 100            | 9256            | 3428S                              | 06122W | 49.4         | 78.6         | GGGG                               |                     |                      | 243                     | 84                     |
| 2664-13005        | 00000/0000                                     | 2-20036/1153 | 11/16/76         | 100            | 9256            | 3554S                              | 06149W | 48.8         | 77.2         | GGGG                               |                     |                      | 243                     | 85                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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| OBSERVATION<br>ID | MICROFILM RELI. NR./<br>POSITION IN RELI<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|-------------------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2664-13011        | 00000/0000                                      | 2-20036/1154     | 11/16/76              | 100             | 9256                               | 37.9S                               | 06217W       | 48.2         | 75.9              | FFFF                |                      | 243                     | 86                     |
| 2664-13014        | 00000/0000                                      | 2-20036/1155     | 11/16/76              | 100             | 9256                               | 38.4S                               | 06245W       | 47.5         | 74.7              | FFFF                |                      | 243                     | 87                     |
| 2664-13020        | 00000/0000                                      | 2-20036/1156     | 11/16/76              | 100             | 9256                               | 40.1S                               | 06314W       | 46.9         | 73.6              | FFFF                |                      | 243                     | 88                     |
| 2664-14193        | 00000/0000                                      | 2-20036/0739     | 11/16/76              | 60              | 9257                               | 48.2N                               | 06435W       | 18.6         | 154.2             | GGGG                |                      | 10                      | 26                     |
| 2664-14213        | 00000/0000                                      | 2-20036/0740     | 11/16/76              | 60              | 9257                               | 41.3N                               | 06724W       | 24.1         | 150.7             | GGGG                |                      | 10                      | 31                     |
| 2664-14220        | 00000/0000                                      | 2-20036/0741     | 11/16/76              | 80              | 9257                               | 40.13N                              | 06754W       | 25.2         | 150.0             | GGGG                |                      | 10                      | 32                     |
| 2664-14222        | 00000/0000                                      | 2-20036/0742     | 11/16/76              | 80              | 9257                               | 38.47N                              | 06823W       | 26.3         | 149.3             | GGGG                |                      | 10                      | 33                     |
| 2664-16095        | 00000/0000                                      | 2-20036/0743     | 11/16/76              | 100             | 9258                               | 24.29N                              | 09824W       | 36.5         | 141.3             | GGGG                |                      | 28                      | 43                     |
| 2664-23200        | 00000/0000                                      | 2-20036/0849     | 11/16/76              | 50              | 9262                               | 34.28S                              | 14343E       | 45.4         | 78.7              | GGGG                |                      | 100                     | 84                     |
| 2664-23202        | 00000/0000                                      | 2-20036/0850     | 11/16/76              | 50              | 9262                               | 35.53S                              | 14317E       | 48.8         | 77.4              | GGGG                |                      | 100                     | 85                     |
| 2664-23205        | 00000/0000                                      | 2-20036/0851     | 11/16/76              | 70              | 9262                               | 37.19S                              | 14249E       | 48.2         | 76.1              | GGGG                |                      | 100                     | 86                     |
| 2665-01020        | 00000/0000                                      | 2-20036/0852     | 11/17/76              | 30              | 9263                               | 30.12S                              | 11910E       | 50.9         | 83.2              | GGGG                |                      | 118                     | 81                     |
| 2665-01022        | 00000/0000                                      | 2-20036/0853     | 11/17/76              | 30              | 9263                               | 31.37S                              | 11845E       | 50.4         | 81.6              | GGGG                |                      | 118                     | 82                     |
| 2665-01025        | 00000/0000                                      | 2-20036/0854     | 11/17/76              | 40              | 9263                               | 33.02S                              | 11819E       | 49.9         | 80.2              | GGGG                |                      | 118                     | 83                     |
| 2665-01031        | 00000/0000                                      | 2-20036/0855     | 11/17/76              | 60              | 9263                               | 34.28S                              | 11753E       | 49.4         | 78.7              | GGGG                |                      | 118                     | 84                     |
| 2665-02245        | 00000/0000                                      | 2-20036/0856     | 11/17/76              | 10              | 9264                               | 40.12N                              | 11123E       | 25.1         | 150.0             | GGGG                |                      | 136                     | 32                     |
| 2665-02251        | 00000/0000                                      | 2-20036/0857     | 11/17/76              | 0               | 9264                               | 38.46N                              | 11054E       | 26.2         | 149.3             | GGGG                |                      | 136                     | 33                     |
| 2665-02254        | 00000/0000                                      | 2-20036/0858     | 11/17/76              | 0               | 9264                               | 37.21N                              | 11026E       | 27.2         | 148.6             | GGGG                |                      | 136                     | 34                     |
| 2665-02260        | 00000/0000                                      | 2-20036/0859     | 11/17/76              | 0               | 9264                               | 35.56N                              | 10959E       | 28.3         | 147.9             | GGGG                |                      | 136                     | 35                     |
| 2665-02263        | 00000/0000                                      | 2-20036/0860     | 11/17/76              | 10              | 9264                               | 34.30N                              | 10932E       | 29.4         | 147.1             | GGGG                |                      | 136                     | 36                     |
| 2665-02265        | 00000/0000                                      | 2-20036/0861     | 11/17/76              | 50              | 9264                               | 33.04N                              | 10907E       | 30.4         | 146.4             | GGGG                |                      | 136                     | 37                     |
| 2665-02272        | 00000/0000                                      | 2-20036/0862     | 11/17/76              | 60              | 9264                               | 31.38N                              | 10842E       | 31.4         | 145.6             | GGGG                |                      | 136                     | 38                     |
| 2665-02274        | 00000/0000                                      | 2-20036/0863     | 11/17/76              | 90              | 9264                               | 30.13N                              | 10816E       | 32.5         | 144.8             | GGGG                |                      | 136                     | 39                     |
| 2665-02281        | 00000/0000                                      | 2-20036/0864     | 11/17/76              | 100             | 9264                               | 28.47N                              | 10751E       | 33.5         | 144.0             | GGGG                |                      | 136                     | 40                     |
| 2665-02283        | 00000/0000                                      | 2-20036/0865     | 11/17/76              | 100             | 9264                               | 27.21N                              | 10727E       | 34.5         | 143.1             | GGGG                |                      | 136                     | 41                     |
| 2665-02290        | 00000/0000                                      | 2-20036/0866     | 11/17/76              | 90              | 9264                               | 25.55N                              | 10704E       | 35.5         | 142.2             | GGGG                |                      | 136                     | 42                     |
| 2665-04044        | 00000/0000                                      | 2-20037/0209     | 11/17/76              | 80              | 9265                               | 51.28N                              | 09011E       | 16.2         | 155.3             | GGGG                |                      | 154                     | 24                     |
| 2665-04051        | 00000/0000                                      | 2-20037/0210     | 11/17/76              | 70              | 9265                               | 50.04N                              | 08931E       | 17.3         | 154.9             | GGGG                |                      | 154                     | 25                     |
| 2665-04053        | 00000/0000                                      | 2-20037/0211     | 11/17/76              | 90              | 9265                               | 48.40N                              | 08853E       | 18.5         | 154.2             | GGGG                |                      | 154                     | 26                     |
| 2665-04060        | 00000/0000                                      | 2-20037/0212     | 11/17/76              | 90              | 9265                               | 47.14N                              | 08816E       | 19.6         | 153.5             | GGGG                |                      | 154                     | 27                     |
| 2665-04062        | 00000/0000                                      | 2-20037/0213     | 11/17/76              | 90              | 9265                               | 45.49N                              | 08741E       | 20.7         | 152.8             | GGGG                |                      | 154                     | 28                     |
| 2665-04065        | 00000/0000                                      | 2-20037/0214     | 11/17/76              | 80              | 9265                               | 44.24N                              | 08708E       | 21.8         | 152.1             | GGGG                |                      | 154                     | 29                     |
| 2665-04071        | 00000/0000                                      | 2-20037/0215     | 11/17/76              | 10              | 9265                               | 42.59N                              | 08636E       | 22.9         | 151.4             | GGGG                |                      | 154                     | 30                     |
| 2665-04074        | 00000/0000                                      | 2-20037/0216     | 11/17/76              | 10              | 9265                               | 41.34N                              | 08604E       | 24.0         | 150.7             | GGGG                |                      | 154                     | 31                     |
| 2665-04080        | 00000/0000                                      | 2-20037/0217     | 11/17/76              | 0               | 9265                               | 40.09N                              | 08534E       | 25.1         | 150.0             | GGGG                |                      | 154                     | 32                     |
| 2665-04083        | 00000/0000                                      | 2-20037/0218     | 11/17/76              | 0               | 9265                               | 38.44N                              | 08506E       | 26.1         | 149.3             | GGGG                |                      | 154                     | 33                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 25, 1977

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2665-04085        | 00000/0000                                     | 2-20037/0219     | 11/17/76       | 0               | 9265                               | 3719N                               | 08437E       | 27.2         | 148.6             | FGGG        |                     |                      | 154                     | 34                     |
| 2665-04092        | 00000/0000                                     | 2-20037/0220     | 11/17/76       | 0               | 9265                               | 3553N                               | 08410E       | 28.3         | 147.9             | GGGG        |                     |                      | 154                     | 35                     |
| 2665-04094        | 00000/0000                                     | 2-20037/0221     | 11/17/76       | 0               | 9265                               | 3429N                               | 08343E       | 29.3         | 147.1             | GGGG        |                     |                      | 154                     | 36                     |
| 2665-04101        | 00000/0000                                     | 2-20037/0222     | 11/17/76       | 0               | 9265                               | 3304N                               | 08317E       | 30.4         | 146.4             | GGGG        |                     |                      | 154                     | 37                     |
| 2665-04103        | 00000/0000                                     | 2-20037/0223     | 11/17/76       | 10              | 9265                               | 3139N                               | 08251E       | 31.4         | 145.6             | GGGG        |                     |                      | 154                     | 38                     |
| 2665-04110        | 00000/0000                                     | 2-20037/0224     | 11/17/76       | 10              | 9265                               | 3013N                               | 08227E       | 32.4         | 144.8             | GGGG        |                     |                      | 154                     | 39                     |
| 2665-04112        | 00000/0000                                     | 2-20037/0225     | 11/17/76       | 40              | 9265                               | 2847N                               | 08202E       | 33.5         | 144.0             | GGGG        |                     |                      | 154                     | 40                     |
| 2665-04115        | 00000/0000                                     | 2-20037/0226     | 11/17/76       | 60              | 9265                               | 2722N                               | 08134E       | 34.5         | 143.1             | GGGG        |                     |                      | 154                     | 41                     |
| 2665-04121        | 00000/0000                                     | 2-20037/0227     | 11/17/76       | 70              | 9265                               | 2555N                               | 08115E       | 35.4         | 142.2             | GGGG        |                     |                      | 154                     | 42                     |
| 2665-04124        | 00000/0000                                     | 2-20037/0228     | 11/17/76       | 40              | 9265                               | 2429N                               | 08052E       | 36.4         | 141.3             | GGGG        |                     |                      | 154                     | 43                     |
| 2665-04130        | 00000/0000                                     | 2-20037/0229     | 11/17/76       | 60              | 9265                               | 2304N                               | 08030E       | 37.4         | 140.4             | GGGG        |                     |                      | 154                     | 44                     |
| 2665-04133        | 00000/0000                                     | 2-20037/0230     | 11/17/76       | 50              | 9265                               | 2138N                               | 08007E       | 38.3         | 139.4             | GGGG        |                     |                      | 154                     | 45                     |
| 2665-04135        | 00000/0000                                     | 2-20037/0231     | 11/17/76       | 30              | 9265                               | 2011N                               | 07945E       | 39.2         | 138.4             | GGGG        |                     |                      | 154                     | 46                     |
| 2665-04142        | 00000/0000                                     | 2-20037/0232     | 11/17/76       | 80              | 9265                               | 1844N                               | 07923E       | 40.1         | 137.4             | GGGG        |                     |                      | 154                     | 47                     |
| 2665-04144        | 00000/0000                                     | 2-20037/0233     | 11/17/76       | 90              | 9265                               | 1717N                               | 07901E       | 41.0         | 136.3             | GGGG        |                     |                      | 154                     | 48                     |
| 2665-04151        | 00000/0000                                     | 2-20037/0234     | 11/17/76       | 90              | 9265                               | 1551N                               | 07840E       | 41.9         | 135.2             | GGGG        |                     |                      | 154                     | 49                     |
| 2665-04153        | 00000/0000                                     | 2-20037/0235     | 11/17/76       | 70              | 9265                               | 1425N                               | 07819E       | 42.7         | 134.1             | GGGG        |                     |                      | 154                     | 50                     |
| 2665-04160        | 00000/0000                                     | 2-20037/0236     | 11/17/76       | 30              | 9265                               | 1258N                               | 07759E       | 43.6         | 132.9             | GGGG        |                     |                      | 154                     | 51                     |
| 2665-04162        | 00000/0000                                     | 2-20037/0237     | 11/17/76       | 20              | 9265                               | 1132N                               | 07739E       | 44.4         | 131.7             | GGGG        |                     |                      | 154                     | 52                     |
| 2665-04165        | 00000/0000                                     | 2-20036/0867     | 11/17/76       | 50              | 9265                               | 1006N                               | 07719E       | 45.1         | 130.4             | GGGG        |                     |                      | 154                     | 53                     |
| 2665-05471        | 00000/0000                                     | 2-20037/0238     | 11/17/76       | 90              | 9266                               | 5417N                               | 06547E       | 13.9         | 157.1             | GGGG        |                     |                      | 172                     | 22                     |
| 2665-05473        | 00000/0000                                     | 2-20037/0239     | 11/17/76       | 60              | 9266                               | 5253N                               | 06503E       | 15.1         | 156.3             | GGGG        |                     |                      | 172                     | 23                     |
| 2665-05480        | 00000/0000                                     | 2-20037/0240     | 11/17/76       | 50              | 9266                               | 5129N                               | 06420E       | 16.2         | 155.6             | GGGG        |                     |                      | 172                     | 24                     |
| 2665-05482        | 00000/0000                                     | 2-20037/0241     | 11/17/76       | 40              | 9266                               | 5005N                               | 06340E       | 17.3         | 154.9             | GGGG        |                     |                      | 172                     | 25                     |
| 2665-05485        | 00000/0000                                     | 2-20037/0242     | 11/17/76       | 10              | 9266                               | 4840N                               | 06302E       | 18.4         | 154.2             | GGGG        |                     |                      | 172                     | 26                     |
| 2665-05491        | 00000/0000                                     | 2-20037/0243     | 11/17/76       | 60              | 9266                               | 4715N                               | 06226E       | 19.6         | 153.5             | GGGG        |                     |                      | 172                     | 27                     |
| 2665-05494        | 00000/0000                                     | 2-20037/0244     | 11/17/76       | 30              | 9266                               | 4551N                               | 06151E       | 20.7         | 152.8             | GGGG        |                     |                      | 172                     | 28                     |
| 2665-05500        | 00000/0000                                     | 2-20037/0245     | 11/17/76       | 30              | 9266                               | 4426N                               | 06118E       | 21.8         | 152.1             | GGGG        |                     |                      | 172                     | 29                     |
| 2665-05503        | 00000/0000                                     | 2-20037/0246     | 11/17/76       | 10              | 9266                               | 4301N                               | 06045E       | 22.9         | 151.4             | GGGG        |                     |                      | 172                     | 30                     |
| 2665-05505        | 00000/0000                                     | 2-20037/0247     | 11/17/76       | 10              | 9266                               | 4135N                               | 06014E       | 24.0         | 150.7             | GGGG        |                     |                      | 172                     | 31                     |
| 2665-05512        | 00000/0000                                     | 2-20037/0248     | 11/17/76       | 0               | 9266                               | 4010N                               | 05944E       | 25.1         | 150.0             | GGGG        |                     |                      | 172                     | 32                     |
| 2665-05514        | 00000/0000                                     | 2-20037/0249     | 11/17/76       | 0               | 9266                               | 3845N                               | 05915E       | 26.1         | 149.3             | FGGG        |                     |                      | 172                     | 33                     |
| 2665-05521        | 00000/0000                                     | 2-20037/0250     | 11/17/76       | 0               | 9266                               | 3720N                               | 05847E       | 27.2         | 148.6             | GGGG        |                     |                      | 172                     | 34                     |
| 2665-05523        | 00000/0000                                     | 2-20037/0251     | 11/17/76       | 0               | 9266                               | 3545N                               | 05819E       | 28.3         | 147.9             | GGGG        |                     |                      | 172                     | 35                     |
| 2665-05530        | 00000/0000                                     | 2-20037/0252     | 11/17/76       | 0               | 9266                               | 3430N                               | 05753E       | 29.3         | 147.1             | GGGG        |                     |                      | 172                     | 36                     |
| 2665-05532        | 00000/0000                                     | 2-20037/0253     | 11/17/76       | 10              | 9266                               | 3304N                               | 05727E       | 30.4         | 146.4             | FGGG        |                     |                      | 172                     | 37                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LBW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2665-05535        | 00000/0000 2-20037/0254                        | 11/17/76         | 10             | 9266            | 3138N                              | 05702E                              | 31.4         | 145.6        | GGGG              |                     |                      | 172                     | 38                     |
| 2665-05541        | 00000/0000 2-20037/0255                        | 11/17/76         | 30             | 9266            | 3011N                              | 05438E                              | 32.4         | 144.8        | GGGG              |                     |                      | 172                     | 39                     |
| 2665-05544        | 00000/0000 2-20037/0256                        | 11/17/76         | 0              | 9266            | 2845N                              | 05413E                              | 33.4         | 144.0        | GGGG              |                     |                      | 172                     | 40                     |
| 2665-05550        | 00000/0000 2-20036/0868                        | 11/17/76         | 10             | 9266            | 2720N                              | 05550E                              | 34.4         | 143.1        | GGGG              |                     |                      | 172                     | 41                     |
| 2665-05553        | 00000/0000 2-20036/0869                        | 11/17/76         | 0              | 9266            | 2554N                              | 05527E                              | 35.4         | 142.2        | GGGG              |                     |                      | 172                     | 42                     |
| 2665-07305        | 00000/0000 2-20036/0891                        | 11/17/76         | 100            | 9267            | 5257N                              | 03915E                              | 15.0         | 156.4        | GGGG              |                     |                      | 190                     | 23                     |
| 2665-07311        | 00000/0000 2-20036/0892                        | 11/17/76         | 100            | 9267            | 5133N                              | 03833E                              | 16.1         | 155.6        | GGGG              |                     |                      | 190                     | 24                     |
| 2665-07314        | 00000/0000 2-20036/0893                        | 11/17/76         | 90             | 9267            | 5009N                              | 03752E                              | 17.3         | 154.9        | GGGG              |                     |                      | 190                     | 25                     |
| 2665-07320        | 00000/0000 2-20036/0894                        | 11/17/76         | 100            | 9267            | 4843N                              | 03714E                              | 18.4         | 154.2        | GGGG              |                     |                      | 190                     | 26                     |
| 2665-07323        | 00000/0000 2-20036/0895                        | 11/17/76         | 100            | 9267            | 4718N                              | 03637E                              | 19.5         | 153.5        | GGGG              |                     |                      | 190                     | 27                     |
| 2665-07325        | 00000/0000 2-20036/0896                        | 11/17/76         | 90             | 9267            | 4553N                              | 03602E                              | 20.6         | 152.8        | GGGG              |                     |                      | 190                     | 28                     |
| 2665-07332        | 00000/0000 2-20036/0897                        | 11/17/76         | 70             | 9267            | 4429N                              | 03528E                              | 21.7         | 152.1        | GGGG              |                     |                      | 190                     | 29                     |
| 2665-13045        | 00000/0000 2-20036/0898                        | 11/17/76         | 90             | 9270            | 3011S                              | 06132W                              | 50.9         | 83.4         | FFFF              |                     |                      | 244                     | 81                     |
| 2665-13051        | 00000/0000 2-20036/0899                        | 11/17/76         | 60             | 9270            | 3136S                              | 06157W                              | 50.4         | 81.8         | GGGG              |                     |                      | 244                     | 82                     |
| 2665-13054        | 00000/0000 2-20036/0900                        | 11/17/76         | 50             | 9270            | 3302S                              | 06222W                              | 50.0         | 80.3         | PPPP              |                     |                      | 244                     | 83                     |
| 2665-13060        | 00000/0000 2-20036/0901                        | 11/17/76         | 40             | 9270            | 3428S                              | 06249W                              | 49.4         | 78.9         | GGGG              |                     |                      | 244                     | 84                     |
| 2665-13063        | 00000/0000 2-20036/0902                        | 11/17/76         | 40             | 9270            | 3553S                              | 06316W                              | 48.9         | 77.6         | FFFF              |                     |                      | 244                     | 85                     |
| 2665-13065        | 00000/0000 2-20036/0903                        | 11/17/76         | 40             | 9270            | 3718S                              | 06343W                              | 48.3         | 76.3         | GGGG              |                     |                      | 244                     | 86                     |
| 2665-13072        | 00000/0000 2-20036/0904                        | 11/17/76         | 30             | 9270            | 3843S                              | 06411W                              | 47.6         | 75.1         | FFFF              |                     |                      | 244                     | 87                     |
| 2665-14251        | 00000/0000 2-20036/0870                        | 11/17/76         | 60             | 9271            | 4843N                              | 06602W                              | 18.3         | 154.2        | GGGG              |                     |                      | 11                      | 26                     |
| 2665-14280        | 00000/0000 2-20036/0871                        | 11/17/76         | 60             | 9271            | 3846N                              | 06950W                              | 26.0         | 149.4        | GGGG              |                     |                      | 11                      | 33                     |
| 2665-14283        | 00000/0000 2-20036/0872                        | 11/17/76         | 90             | 9271            | 3721N                              | 07018W                              | 27.1         | 148.6        | GGGG              |                     |                      | 11                      | 34                     |
| 2665-14285        | 00000/0000 2-20036/0873                        | 11/17/76         | 90             | 9271            | 3556N                              | 07045W                              | 28.2         | 147.9        | GGGG              |                     |                      | 11                      | 35                     |
| 2665-14292        | 00000/0000 2-20036/0874                        | 11/17/76         | 90             | 9271            | 3431N                              | 07111W                              | 29.2         | 147.2        | GGGG              |                     |                      | 11                      | 36                     |
| 2665-16153        | 00000/0000 2-20036/1378                        | 11/17/76         | 90             | 9272            | 2429N                              | 09950W                              | 36.3         | 141.4        | GGGG              |                     |                      | 29                      | 43                     |
| 2665-23254        | 00000/0000 2-20036/0878                        | 11/17/76         | 0              | 9276            | 3427S                              | 14217E                              | 49.5         | 79.1         | GGGG              |                     |                      | 101                     | 84                     |
| 2665-23260        | 00000/0000 2-20036/0879                        | 11/17/76         | 30             | 9276            | 3553S                              | 14151E                              | 48.9         | 77.7         | GGGG              |                     |                      | 101                     | 85                     |
| 2665-23263        | 00000/0000 2-20036/0880                        | 11/17/76         | 70             | 9276            | 3719S                              | 14123E                              | 48.3         | 76.4         | GGGG              |                     |                      | 101                     | 86                     |
| 2665-01074        | 00000/0000 2-20036/0881                        | 11/18/76         | 10             | 9277            | 3012S                              | 11742E                              | 50.9         | 83.5         | GGGG              |                     |                      | 119                     | 81                     |
| 2665-01080        | 00000/0000 2-20036/0882                        | 11/18/76         | 10             | 9277            | 3138S                              | 11717E                              | 50.5         | 82.0         | GGGG              |                     |                      | 119                     | 82                     |
| 2665-01083        | 00000/0000 2-20036/0883                        | 11/18/76         | 50             | 9277            | 3303S                              | 11652E                              | 50.0         | 80.5         | GGGG              |                     |                      | 119                     | 83                     |
| 2665-02321        | 00000/0000 2-20036/0884                        | 11/18/76         | 0              | 9278            | 3430N                              | 10805E                              | 29.1         | 147.2        | GGGG              |                     |                      | 137                     | 36                     |
| 2665-02323        | 00000/0000 2-20036/0885                        | 11/18/76         | 10             | 9278            | 3305N                              | 10740E                              | 30.2         | 146.4        | GGGG              |                     |                      | 137                     | 37                     |
| 2665-02330        | 00000/0000 2-20036/0886                        | 11/18/76         | 50             | 9278            | 3139N                              | 10714E                              | 31.2         | 145.7        | GGGG              |                     |                      | 137                     | 38                     |
| 2665-02332        | 00000/0000 2-20036/0887                        | 11/18/76         | 20             | 9278            | 3013N                              | 10650E                              | 32.2         | 144.9        | GGGG              |                     |                      | 137                     | 39                     |
| 2665-02335        | 00000/0000 2-20036/0888                        | 11/18/76         | 70             | 9278            | 2847N                              | 10626E                              | 33.2         | 144.0        | GGGG              |                     |                      | 137                     | 40                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-----------------------------------------|------------------|----------------|-----------------|-----------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                                         |                  |                |                 | LAT<br>LONG                 |              |              | 123 45678             |                     |                      |                         |                        |
| 2666-02341        | 00000/0000                              | 2-20036/0889     | 11/18/76       | 90              | 9278 2721N                  | 10603E       | 34.2 143.2   |                       |                     |                      |                         |                        |
| 2666-02344        | 00000/0000                              | 2-20036/0890     | 11/18/76       | 90              | 9278 2555N                  | 10540E       | 35.2 142.3   | GGGG                  |                     |                      | 137                     | 41                     |
| 2666-06002        | 00000/0000                              | 2-20036/1068     | 11/18/76       | 0               | 9280 2849N                  | 05449E       | 33.2 144.1   | GGGG                  |                     |                      | 137                     | 42                     |
| 2666-06005        | 00000/0000                              | 2-20036/0905     | 11/18/76       | 10              | 9280 2723N                  | 05425E       | 34.2 143.2   | GGGG                  |                     |                      | 173                     | 40                     |
| 2666-07352        | 00000/0000                              | 2-20036/0906     | 11/18/76       | 90              | 9281 5707N                  | 04013E       | 11.3 158.7   | FGGG                  |                     |                      | 173                     | 41                     |
| 2666-07354        | 00000/0000                              | 2-20036/0907     | 11/18/76       | 90              | 9281 5544N                  | 03922E       | 12.5 157.9   | FGGG                  |                     |                      | 191                     | 20                     |
| 2666-07361        | 00000/0000                              | 2-20036/0908     | 11/18/76       | 90              | 9281 5420N                  | 03834E       | 13.6 157.1   | FGGG                  |                     |                      | 191                     | 21                     |
| 2666-07363        | 00000/0000                              | 2-20036/0909     | 11/18/76       | 90              | 9281 5256N                  | 03750E       | 14.8 156.4   | FGGG                  |                     |                      | 191                     | 22                     |
| 2666-07370        | 00000/0000                              | 2-20036/0910     | 11/18/76       | 90              | 9281 5132N                  | 03707E       | 15.9 155.6   | FGGG                  |                     |                      | 191                     | 23                     |
| 2666-07372        | 00000/0000                              | 2-20036/0911     | 11/18/76       | 90              | 9281 5007N                  | 03626E       | 17.0 154.9   | GGGG                  |                     |                      | 191                     | 24                     |
| 2666-07375        | 00000/0000                              | 2-20036/0912     | 11/18/76       | 90              | 9281 4842N                  | 03548E       | 18.1 154.2   | GGGG                  |                     |                      | 191                     | 25                     |
| 2666-07381        | 00000/0000                              | 2-20036/0913     | 11/18/76       | 90              | 9281 4717N                  | 03511E       | 19.3 153.5   | GGGG                  |                     |                      | 191                     | 26                     |
| 2666-07384        | 00000/0000                              | 2-20036/0914     | 11/18/76       | 90              | 9281 4553N                  | 03436E       | 20.4 152.9   | GGGG                  |                     |                      | 191                     | 27                     |
| 2666-07390        | 00000/0000                              | 2-20036/0915     | 11/18/76       | 80              | 9281 4428N                  | 03403E       | 21.5 152.2   | GGGG                  |                     |                      | 191                     | 28                     |
| 2666-13103        | 00000/0000                              | 2-20036/0916     | 11/18/76       | 10              | 9284 3012S                  | 06300W       | 50.3 83.7    | FGGG                  |                     |                      | 245                     | 29                     |
| 2666-13105        | 00000/0000                              | 2-20036/0917     | 11/18/76       | 10              | 9284 3139S                  | 06324W       | 50.5 82.2    | GGGG                  |                     |                      | 245                     | 81                     |
| 2666-13112        | 00000/0000                              | 2-20036/0918     | 11/18/76       | 10              | 9284 3304S                  | 06350W       | 50.0 80.7    | GGGG                  |                     |                      | 245                     | 82                     |
| 2666-13114        | 00000/0000                              | 2-20036/0919     | 11/18/76       | 10              | 9284 3429S                  | 06416W       | 49.5 79.3    | GGGG                  |                     |                      | 245                     | 83                     |
| 2666-13121        | 00000/0000                              | 2-20036/0920     | 11/18/76       | 20              | 9284 3555S                  | 06443W       | 48.3 77.9    | FFFF                  |                     |                      | 245                     | 84                     |
| 2666-13123        | 00000/0000                              | 2-20036/0921     | 11/18/76       | 10              | 9284 3720S                  | 06511W       | 48.4 76.4    | GGGG                  |                     |                      | 245                     | 85                     |
| 2666-14350        | 00000/0000                              | 2-20036/0875     | 11/18/76       | 30              | 9285 3430N                  | 07237W       | 29.0 147.2   | GGGG                  |                     |                      | 12                      | 36                     |
| 2666-14353        | 00000/0000                              | 2-20036/0876     | 11/18/76       | 50              | 9285 3304N                  | 07304W       | 30.0 146.5   | GGGG                  |                     |                      | 12                      | 37                     |
| 2666-14355        | 00000/0000                              | 2-20036/0877     | 11/18/76       | 70              | 9285 3138N                  | 07329W       | 31.1 145.7   | GGGG                  |                     |                      | 12                      | 38                     |
| 2666-23312        | 00000/0000                              | 2-20036/1069     | 11/18/76       | 20              | 9290 3428S                  | 14050E       | 49.5 79.4    | FGGG                  |                     |                      | 102                     | 84                     |
| 2666-23314        | 00000/0000                              | 2-20036/1070     | 11/18/76       | 20              | 9290 3554S                  | 14023E       | 49.0 78.1    | GGGG                  |                     |                      | 102                     | 85                     |
| 2667-01130        | 00000/0000                              | 2-20036/1071     | 11/19/76       | 0               | 9291 2848S                  | 11641E       | 51.3 85.5    | GGGG                  |                     |                      | 120                     | 80                     |
| 2667-01132        | 00000/0000                              | 2-20036/1072     | 11/19/76       | 0               | 9291 3013S                  | 11616E       | 51.0 83.9    | GGGG                  |                     |                      | 120                     | 81                     |
| 2667-01135        | 00000/0000                              | 2-20036/1073     | 11/19/76       | 0               | 9291 3139S                  | 11552E       | 50.5 82.4    | GGGG                  |                     |                      | 120                     | 82                     |
| 2667-02375        | 00000/0000                              | 2-20036/1074     | 11/19/76       | 100             | 9292 3429N                  | 10439E       | 28.9 147.3   | GGGG                  |                     |                      | 138                     | 36                     |
| 2667-02382        | 00000/0000                              | 2-20036/1075     | 11/19/76       | 100             | 9292 3304N                  | 10614E       | 29.9 146.5   | GGGG                  |                     |                      | 138                     | 37                     |
| 2667-02384        | 00000/0000                              | 2-20036/1076     | 11/19/76       | 100             | 9292 3139N                  | 10548E       | 31.0 145.7   | GGGG                  |                     |                      | 138                     | 38                     |
| 2667-02391        | 00000/0000                              | 2-20036/1077     | 11/19/76       | 100             | 9292 3013N                  | 10524E       | 32.0 145.0   | GGGG                  |                     |                      | 138                     | 39                     |
| 2667-02393        | 00000/0000                              | 2-20036/1078     | 11/19/76       | 100             | 9292 2847N                  | 10459E       | 33.0 144.1   | GGGG                  |                     |                      | 138                     | 40                     |
| 2667-02400        | 00000/0000                              | 2-20036/1079     | 11/19/76       | 100             | 9292 2721N                  | 10436E       | 34.0 143.3   | GGGG                  |                     |                      | 138                     | 41                     |
| 2667-02402        | 00000/0000                              | 2-20036/1080     | 11/19/76       | 90              | 9292 2555N                  | 10413E       | 35.0 142.4   | GGGG                  |                     |                      | 138                     | 42                     |
| 2667-02405        | 00000/0000                              | 2-20036/1081     | 11/19/76       | 90              | 9292 2429N                  | 10350E       | 36.0 141.6   | GGGG                  |                     |                      | 138                     | 43                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
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FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2667-02411        | 00000/0000                   | 2-20036/1082                | 11/19/76         | 80             | 9292            | 2303N                              | 10327E                              | 36.9         | 140.6        | GGGG                               |                     |                      | 138                     | 44                     |
| 2667-04154        | 00000/0000                   | 2-20036/0974                | 11/19/76         | 90             | 9293            | 5256N                              | 08801E                              | 14.5         | 156.4        | G                                  |                     |                      | 156                     | 23                     |
| 2667-04161        | 00000/0000                   | 2-20036/0975                | 11/19/76         | 40             | 9293            | 5131N                              | 08719E                              | 15.7         | 155.6        | GGGG                               |                     |                      | 156                     | 24                     |
| 2667-04163        | 00000/0000                   | 2-20036/0976                | 11/19/76         | 30             | 9293            | 5007N                              | 08639E                              | 16.8         | 154.9        | GGGG                               |                     |                      | 156                     | 25                     |
| 2667-04170        | 00000/0000                   | 2-20036/0977                | 11/19/76         | 10             | 9293            | 4843N                              | 08600E                              | 17.9         | 154.2        | GGGG                               |                     |                      | 156                     | 26                     |
| 2667-04172        | 00000/0000                   | 2-20036/0978                | 11/19/76         | 10             | 9293            | 4719N                              | 08524E                              | 19.0         | 153.6        | GGGG                               |                     |                      | 156                     | 27                     |
| 2667-04175        | 00000/0000                   | 2-20036/0979                | 11/19/76         | 10             | 9293            | 4553N                              | 08449E                              | 20.2         | 152.9        | GGGG                               |                     |                      | 156                     | 28                     |
| 2667-04181        | 00000/0000                   | 2-20036/0980                | 11/19/76         | 10             | 9293            | 4428N                              | 08415E                              | 21.3         | 152.2        | GGGG                               |                     |                      | 156                     | 29                     |
| 2667-04184        | 00000/0000                   | 2-20036/0981                | 11/19/76         | 0              | 9293            | 4303N                              | 08343E                              | 22.4         | 151.5        | GGG                                |                     |                      | 156                     | 30                     |
| 2667-04190        | 00000/0000                   | 2-20036/0982                | 11/19/76         | 10             | 9293            | 4138N                              | 08312E                              | 23.5         | 150.8        | GGGG                               |                     |                      | 156                     | 31                     |
| 2667-04193        | 00000/0000                   | 2-20036/0983                | 11/19/76         | 10             | 9293            | 4013N                              | 08242E                              | 24.5         | 150.1        | GGGG                               |                     |                      | 156                     | 32                     |
| 2667-04204        | 00000/0000                   | 2-20036/0984                | 11/19/76         | 10             | 9293            | 3858N                              | 08117E                              | 27.8         | 148.0        | GGGG                               |                     |                      | 156                     | 35                     |
| 2667-04211        | 00000/0000                   | 2-20036/0985                | 11/19/76         | 10             | 9293            | 3732N                              | 08051E                              | 28.8         | 147.3        | GGGG                               |                     |                      | 156                     | 36                     |
| 2667-04213        | 00000/0000                   | 2-20036/0986                | 11/19/76         | 10             | 9293            | 3607N                              | 08025E                              | 29.9         | 146.5        | GGGG                               |                     |                      | 156                     | 37                     |
| 2667-04220        | 00000/0000                   | 2-20036/0987                | 11/19/76         | 0              | 9293            | 3141N                              | 08000E                              | 30.9         | 145.8        | GGGG                               |                     |                      | 156                     | 38                     |
| 2667-04222        | 00000/0000                   | 2-20036/0988                | 11/19/76         | 0              | 9293            | 3016N                              | 07935E                              | 31.9         | 145.0        | GGGG                               |                     |                      | 156                     | 39                     |
| 2667-04225        | 00000/0000                   | 2-20036/0989                | 11/19/76         | 0              | 9293            | 2850N                              | 07911E                              | 33.0         | 144.2        | GGG                                |                     |                      | 156                     | 40                     |
| 2667-04231        | 00000/0000                   | 2-20036/0990                | 11/19/76         | 10             | 9293            | 2725N                              | 07847E                              | 34.0         | 143.3        | GGGG                               |                     |                      | 156                     | 41                     |
| 2667-04234        | 00000/0000                   | 2-20036/0991                | 11/19/76         | 10             | 9293            | 2558N                              | 07823E                              | 35.0         | 142.5        | GFFF                               |                     |                      | 156                     | 42                     |
| 2667-04240        | 00000/0000                   | 2-20036/0992                | 11/19/76         | 10             | 9293            | 2431N                              | 07800E                              | 35.9         | 141.6        | GGGG                               |                     |                      | 156                     | 43                     |
| 2667-04243        | 00000/0000                   | 2-20036/0993                | 11/19/76         | 10             | 9293            | 2305N                              | 07737E                              | 36.9         | 140.7        | GGGG                               |                     |                      | 156                     | 44                     |
| 2667-04245        | 00000/0000                   | 2-20036/0994                | 11/19/76         | 0              | 9293            | 2139N                              | 07715E                              | 37.8         | 139.7        | GGGG                               |                     |                      | 156                     | 45                     |
| 2667-04252        | 00000/0000                   | 2-20036/0995                | 11/19/76         | 30             | 9293            | 2013N                              | 07653E                              | 38.8         | 138.7        | GGG                                |                     |                      | 156                     | 46                     |
| 2667-04254        | 00000/0000                   | 2-20036/0996                | 11/19/76         | 80             | 9293            | 1847N                              | 07631E                              | 39.7         | 137.7        | GGGG                               |                     |                      | 156                     | 47                     |
| 2667-04261        | 00000/0000                   | 2-20036/0997                | 11/19/76         | 90             | 9293            | 1721N                              | 07610E                              | 40.6         | 136.7        | GGGG                               |                     |                      | 156                     | 48                     |
| 2667-04263        | 00000/0000                   | 2-20036/0998                | 11/19/76         | 80             | 9293            | 1554N                              | 07549E                              | 41.4         | 135.6        | GGGG                               |                     |                      | 156                     | 49                     |
| 2667-04270        | 00000/0000                   | 2-20036/0999                | 11/19/76         | 30             | 9293            | 1428N                              | 07528E                              | 42.3         | 134.5        | GGGG                               |                     |                      | 156                     | 50                     |
| 2667-04272        | 00000/0000                   | 2-20036/1000                | 11/19/76         | 90             | 9293            | 1301N                              | 07507E                              | 43.1         | 133.3        | GGGG                               |                     |                      | 156                     | 51                     |
| 2667-04275        | 00000/0000                   | 2-20036/1001                | 11/19/76         | 80             | 9293            | 1135N                              | 07447E                              | 43.9         | 132.1        | GGGG                               |                     |                      | 156                     | 52                     |
| 2667-05583        | 00000/0000                   | 2-20036/1002                | 11/19/76         | 10             | 9294            | 5420N                              | 06257E                              | 13.4         | 157.1        | FGFP                               |                     |                      | 174                     | 22                     |
| 2667-05590        | 00000/0000                   | 2-20036/1003                | 11/19/76         | 20             | 9294            | 5256N                              | 06212E                              | 14.5         | 156.4        | FFFF                               |                     |                      | 174                     | 23                     |
| 2667-05592        | 00000/0000                   | 2-20036/1004                | 11/19/76         | 10             | 9294            | 5132N                              | 06129E                              | 15.7         | 155.6        | GGGG                               |                     |                      | 174                     | 24                     |
| 2667-05595        | 00000/0000                   | 2-20036/1005                | 11/19/76         | 10             | 9294            | 5007N                              | 06049E                              | 16.8         | 154.9        | GGGG                               |                     |                      | 174                     | 25                     |
| 2667-06022        | 00000/0000                   | 2-20036/1006                | 11/19/76         | 0              | 9294            | 4138N                              | 05723E                              | 23.4         | 150.8        | PPPP                               |                     |                      | 174                     | 31                     |
| 2667-06024        | 00000/0000                   | 2-20036/1007                | 11/19/76         | 0              | 9294            | 4013N                              | 05653E                              | 24.5         | 150.1        | PPPP                               |                     |                      | 174                     | 32                     |
| 2667-06031        | 00000/0000                   | 2-20036/1008                | 11/19/76         | 10             | 9294            | 3848N                              | 05624E                              | 25.6         | 149.5        | PGFF                               |                     |                      | 174                     | 33                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2667-06033        | 00000/0000                                     | 2-20036/1009     | 11/19/76       | 10              | 9294                               | 3722N                               | 05556E       | 26.7         | 148.7                 | PFPP                |                      |                         |                        |
| 2667-06040        | 00000/0000                                     | 2-20036/1010     | 11/19/76       | 0               | 9294                               | 3557N                               | 05529E       | 27.8         | 148.0                 | PFPP                |                      | 174                     | 34                     |
| 2667-06042        | 00000/0000                                     | 2-20036/1011     | 11/19/76       | 0               | 9294                               | 3432N                               | 05503E       | 28.8         | 147.3                 | PFPP                |                      | 174                     | 35                     |
| 2667-06045        | 00000/0000                                     | 2-20036/1012     | 11/19/76       | 10              | 9294                               | 3306N                               | 05437E       | 29.9         | 146.5                 | PFPP                |                      | 174                     | 36                     |
| 2667-06051        | 00000/0000                                     | 2-20036/1053     | 11/19/76       | 60              | 9294                               | 3141N                               | 05411E       | 30.9         | 145.8                 | GGGG                |                      | 174                     | 37                     |
| 2667-06054        | 00000/0000                                     | 2-20036/1054     | 11/19/76       | 30              | 9294                               | 3015N                               | 05346E       | 31.9         | 145.0                 | GGGG                |                      | 174                     | 38                     |
| 2667-06060        | 00000/0000                                     | 2-20036/1055     | 11/19/76       | 10              | 9294                               | 2850N                               | 05322E       | 32.9         | 144.2                 | GGGG                |                      | 174                     | 39                     |
| 2667-06063        | 00000/0000                                     | 2-20036/1056     | 11/19/76       | 0               | 9294                               | 2724N                               | 05259E       | 34.0         | 143.3                 | GGGG                |                      | 174                     | 40                     |
| 2667-07410        | 00000/0000                                     | 2-20036/1057     | 11/19/76       | 90              | 9295                               | 5705N                               | 03447E       | 11.1         | 158.7                 | GGGG                |                      | 174                     | 41                     |
| 2667-07412        | 00000/0000                                     | 2-20036/1058     | 11/19/76       | 100             | 9295                               | 5542N                               | 03756E       | 12.2         | 157.9                 | GGGG                |                      | 192                     | 20                     |
| 2667-07415        | 00000/0000                                     | 2-20036/1059     | 11/19/76       | 100             | 9295                               | 5419N                               | 03708E       | 13.4         | 157.1                 | GGGG                |                      | 192                     | 21                     |
| 2667-07421        | 00000/0000                                     | 2-20036/1060     | 11/19/76       | 100             | 9295                               | 5335N                               | 03623E       | 14.5         | 156.4                 | GGGG                |                      | 192                     | 22                     |
| 2667-07424        | 00000/0000                                     | 2-20036/1061     | 11/19/76       | 100             | 9295                               | 5131N                               | 03541E       | 15.6         | 155.6                 | GGGG                |                      | 192                     | 23                     |
| 2667-07430        | 00000/0000                                     | 2-20036/1062     | 11/19/76       | 100             | 9295                               | 5007N                               | 03500E       | 16.8         | 154.9                 | GGGG                |                      | 192                     | 24                     |
| 2667-07433        | 00000/0000                                     | 2-20036/1063     | 11/19/76       | 100             | 9295                               | 4843N                               | 03422E       | 17.9         | 154.2                 | GGGG                |                      | 192                     | 25                     |
| 2667-07435        | 00000/0000                                     | 2-20036/1064     | 11/19/76       | 100             | 9295                               | 4718N                               | 03345E       | 19.0         | 153.6                 | GGGG                |                      | 192                     | 26                     |
| 2667-07442        | 00000/0000                                     | 2-20036/1065     | 11/19/76       | 100             | 9295                               | 4553N                               | 03310E       | 20.1         | 152.9                 | GGGG                |                      | 192                     | 27                     |
| 2667-13164        | 00000/0000                                     | 2-20036/1066     | 11/19/76       | 0               | 9298                               | 3139S                               | 06450W       | 50.5         | 82.5                  | GGGG                |                      | 246                     | 82                     |
| 2667-13170        | 00000/0000                                     | 2-20036/1067     | 11/19/76       | 0               | 9298                               | 3304S                               | 06515W       | 50.1         | 81.1                  | FFFF                |                      | 246                     | 83                     |
| 2667-14363        | 00000/0000                                     | 2-20036/1052     | 11/19/76       | 100             | 9299                               | 4845N                               | 06853W       | 17.8         | 154.2                 | GGGG                |                      | 13                      | 26                     |
| 2667-16192        | 00000/0000                                     | 2-20036/1085     | 11/19/76       | 100             | 9300                               | 5008N                               | 09406W       | 16.7         | 154.9                 | GGGG                |                      | 31                      | 25                     |
| 2667-23370        | 00000/0000                                     | 2-20036/1101     | 11/19/76       | 80              | 9304                               | 3430S                               | 13923E       | 49.6         | 79.8                  | GGGG                |                      | 103                     | 84                     |
| 2668-01184        | 00000/0000                                     | 2-20036/1102     | 11/20/76       | 10              | 9305                               | 2848S                               | 11516E       | 51.4         | 85.9                  | GGGG                |                      | 121                     | 80                     |
| 2668-01190        | 00000/0000                                     | 2-20036/1103     | 11/20/76       | 10              | 9305                               | 3015S                               | 11451E       | 51.0         | 84.3                  | GGGG                |                      | 121                     | 81                     |
| 2668-02422        | 00000/0000                                     | 2-20036/1104     | 11/20/76       | 0               | 9306                               | 3849N                               | 10636E       | 25.4         | 149.5                 | GGGG                |                      | 139                     | 33                     |
| 2668-02424        | 00000/0000                                     | 2-20036/1105     | 11/20/76       | 10              | 9306                               | 3724N                               | 10407E       | 26.5         | 148.8                 | GGGG                |                      | 139                     | 34                     |
| 2668-02431        | 00000/0000                                     | 2-20036/1106     | 11/20/76       | 0               | 9306                               | 3559N                               | 10540E       | 27.6         | 148.1                 | GGGG                |                      | 139                     | 35                     |
| 2668-02433        | 00000/0000                                     | 2-20036/1107     | 11/20/76       | 0               | 9306                               | 3434N                               | 10514E       | 28.6         | 147.3                 | GGGG                |                      | 139                     | 36                     |
| 2668-02440        | 00000/0000                                     | 2-20036/1108     | 11/20/76       | 10              | 9306                               | 3308N                               | 10448E       | 29.7         | 146.6                 | GGGG                |                      | 139                     | 37                     |
| 2668-02442        | 00000/0000                                     | 2-20036/1109     | 11/20/76       | 10              | 9306                               | 3142N                               | 10424E       | 30.7         | 145.8                 | GGGG                |                      | 139                     | 38                     |
| 2668-02445        | 00000/0000                                     | 2-20036/1110     | 11/20/76       | 10              | 9306                               | 3016N                               | 10400E       | 31.7         | 145.1                 | GGGG                |                      | 139                     | 39                     |
| 2668-02451        | 00000/0000                                     | 2-20036/1111     | 11/20/76       | 60              | 9306                               | 2850N                               | 10336E       | 32.7         | 144.3                 | GGGG                |                      | 139                     | 40                     |
| 2668-02454        | 00000/0000                                     | 2-20036/1112     | 11/20/76       | 90              | 9306                               | 2724N                               | 10312E       | 33.8         | 143.4                 | GGGG                |                      | 139                     | 41                     |
| 2668-02460        | 00000/0000                                     | 2-20036/1113     | 11/20/76       | 100             | 9306                               | 2558N                               | 10248E       | 34.7         | 142.6                 | GGGG                |                      | 139                     | 42                     |
| 2668-02463        | 00000/0000                                     | 2-20036/1086     | 11/20/76       | 100             | 9306                               | 2432N                               | 10225E       | 35.7         | 141.7                 | G                   |                      | 139                     | 43                     |
| 2668-04212        | 00000/0000                                     | 2-20036/1013     | 11/20/76       | 100             | 9307                               | 5256N                               | 08634E       | 14.3         | 156.4                 | FFFF                |                      | 157                     | 23                     |

KEYS: C-CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2668-04215        | 00000/0000                   | 2-20036/1014                | 11/20/76         | 90             | 9307            | 5131N                              | 08552E                              | 15.4         | 155.6        | GGGG                  |                     |                      | 157                     | 24                     |
| 2668-04221        | 00000/0000                   | 2-20036/1015                | 11/20/76         | 40             | 9307            | 5007N                              | 08512E                              | 16.6         | 154.9        | GGGG                  |                     |                      | 157                     | 25                     |
| 2668-04224        | 00000/0000                   | 2-20036/1016                | 11/20/76         | 10             | 9307            | 4843N                              | 08434E                              | 17.7         | 154.2        | GGGG                  |                     |                      | 157                     | 26                     |
| 2668-04230        | 00000/0000                   | 2-20036/1017                | 11/20/76         | 10             | 9307            | 4718N                              | 08357E                              | 18.8         | 153.6        | GGGG                  |                     |                      | 157                     | 27                     |
| 2668-04233        | 00000/0000                   | 2-20036/1018                | 11/20/76         | 0              | 9307            | 4553N                              | 08322E                              | 19.9         | 152.9        | GGGG                  |                     |                      | 157                     | 28                     |
| 2668-04235        | 00000/0000                   | 2-20036/1019                | 11/20/76         | 0              | 9307            | 4427N                              | 08248E                              | 21.0         | 152.2        | GGGG                  |                     |                      | 157                     | 29                     |
| 2668-04242        | 00000/0000                   | 2-20036/1020                | 11/20/76         | 0              | 9307            | 4302N                              | 08217E                              | 22.1         | 151.5        | GGGG                  |                     |                      | 157                     | 30                     |
| 2668-04244        | 00000/0000                   | 2-20036/1021                | 11/20/76         | 0              | 9307            | 4137N                              | 08146E                              | 23.2         | 150.9        | GGGG                  |                     |                      | 157                     | 31                     |
| 2668-04251        | 00000/0000                   | 2-20036/1022                | 11/20/76         | 0              | 9307            | 4013N                              | 08115E                              | 24.3         | 150.2        | GGGG                  |                     |                      | 157                     | 32                     |
| 2668-04253        | 00000/0000                   | 2-20036/1023                | 11/20/76         | 0              | 9307            | 3848N                              | 08046E                              | 25.4         | 149.5        | FGGG                  |                     |                      | 157                     | 33                     |
| 2668-04260        | 00000/0000                   | 2-20036/1024                | 11/20/76         | 0              | 9307            | 3722N                              | 08018E                              | 26.5         | 148.8        | FGGG                  |                     |                      | 157                     | 34                     |
| 2668-04262        | 00000/0000                   | 2-20036/1025                | 11/20/76         | 0              | 9307            | 3557N                              | 07950E                              | 27.5         | 148.1        | FGGG                  |                     |                      | 157                     | 35                     |
| 2668-04265        | 00000/0000                   | 2-20036/1026                | 11/20/76         | 0              | 9307            | 3431N                              | 07924E                              | 28.6         | 147.3        | GGFG                  |                     |                      | 157                     | 36                     |
| 2668-04271        | 00000/0000                   | 2-20036/1027                | 11/20/76         | 0              | 9307            | 3306N                              | 07858E                              | 29.6         | 146.6        | GGGG                  |                     |                      | 157                     | 37                     |
| 2668-04274        | 00000/0000                   | 2-20036/1028                | 11/20/76         | 20             | 9307            | 3141N                              | 07832E                              | 30.7         | 145.8        | GGGG                  |                     |                      | 157                     | 38                     |
| 2668-04280        | 00000/0000                   | 2-20036/1029                | 11/20/76         | 70             | 9307            | 3015N                              | 07808E                              | 31.7         | 145.1        | GGGG                  |                     |                      | 157                     | 39                     |
| 2668-04283        | 00000/0000                   | 2-20036/1030                | 11/20/76         | 60             | 9307            | 2849N                              | 07744E                              | 32.7         | 144.3        | GGGG                  |                     |                      | 157                     | 40                     |
| 2668-04285        | 00000/0000                   | 2-20036/1031                | 11/20/76         | 20             | 9307            | 2724N                              | 07720E                              | 33.7         | 143.4        | GGGG                  |                     |                      | 157                     | 41                     |
| 2668-04292        | 00000/0000                   | 2-20036/1032                | 11/20/76         | 70             | 9307            | 2559N                              | 07657E                              | 34.7         | 142.6        | GGGG                  |                     |                      | 157                     | 42                     |
| 2668-04294        | 00000/0000                   | 2-20036/1033                | 11/20/76         | 80             | 9307            | 2433N                              | 07634E                              | 35.7         | 141.7        | GGGG                  |                     |                      | 157                     | 43                     |
| 2668-04301        | 00000/0000                   | 2-20036/1034                | 11/20/76         | 90             | 9307            | 2306N                              | 07612E                              | 36.7         | 140.8        | GGGG                  |                     |                      | 157                     | 44                     |
| 2668-04312        | 00000/0000                   | 2-20036/1035                | 11/20/76         | 90             | 9307            | 1846N                              | 07505E                              | 39.5         | 137.9        | GGGG                  |                     |                      | 157                     | 47                     |
| 2668-04315        | 00000/0000                   | 2-20036/1036                | 11/20/76         | 90             | 9307            | 1720N                              | 07444E                              | 40.4         | 136.8        | GGGG                  |                     |                      | 157                     | 48                     |
| 2668-04321        | 00000/0000                   | 2-20036/1037                | 11/20/76         | 70             | 9307            | 1543N                              | 07423E                              | 41.2         | 135.8        | GGGG                  |                     |                      | 157                     | 49                     |
| 2668-04324        | 00000/0000                   | 2-20036/1038                | 11/20/76         | 60             | 9307            | 1427N                              | 07402E                              | 42.1         | 134.6        | FGFF                  |                     |                      | 157                     | 50                     |
| 2668-04330        | 00000/0000                   | 2-20036/1039                | 11/20/76         | 90             | 9307            | 1301N                              | 07342E                              | 42.9         | 133.5        | GGGG                  |                     |                      | 157                     | 51                     |
| 2668-06041        | 00000/0000                   | 2-20036/1040                | 11/20/76         | 10             | 9308            | 5419N                              | 06131E                              | 13.2         | 157.1        | GGFP                  |                     |                      | 175                     | 22                     |
| 2668-06044        | 00000/0000                   | 2-20036/1041                | 11/20/76         | 0              | 9308            | 5255N                              | 06045E                              | 14.3         | 156.4        | GGGP                  |                     |                      | 175                     | 23                     |
| 2668-06050        | 00000/0000                   | 2-20036/1042                | 11/20/76         | 0              | 9308            | 5131N                              | 06003E                              | 15.4         | 155.6        | GGGP                  |                     |                      | 175                     | 24                     |
| 2668-06062        | 00000/0000                   | 2-20036/1043                | 11/20/76         | 10             | 9308            | 4718N                              | 05809E                              | 18.8         | 153.6        | PPPG                  |                     |                      | 175                     | 27                     |
| 2668-06064        | 00000/0000                   | 2-20036/1044                | 11/20/76         | 10             | 9308            | 4553N                              | 05734E                              | 19.9         | 152.9        | PPPG                  |                     |                      | 175                     | 28                     |
| 2668-06071        | 00000/0000                   | 2-20036/1045                | 11/20/76         | 60             | 9308            | 4428N                              | 05700E                              | 21.0         | 152.2        | PPPG                  |                     |                      | 175                     | 29                     |
| 2668-06073        | 00000/0000                   | 2-20036/1046                | 11/20/76         | 0              | 9308            | 4303N                              | 05628E                              | 22.1         | 151.5        | PPGG                  |                     |                      | 175                     | 30                     |
| 2668-06080        | 00000/0000                   | 2-20036/1047                | 11/20/76         | 10             | 9308            | 4138N                              | 05557E                              | 23.2         | 150.9        | PPFF                  |                     |                      | 175                     | 31                     |
| 2668-06082        | 00000/0000                   | 2-20036/1048                | 11/20/76         | 0              | 9308            | 4013N                              | 05527E                              | 24.3         | 150.2        | PPFF                  |                     |                      | 175                     | 32                     |
| 2668-06085        | 00000/0000                   | 2-20036/1049                | 11/20/76         | 0              | 9308            | 3848N                              | 05458E                              | 25.4         | 149.5        | PPFF                  |                     |                      | 175                     | 33                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER  
 IMAGE QUALITY ..... BLANKS BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBY | MSS          | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|----------------|------------------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2668-06091        | 00000/0000                                     | 2-20036/1050 | 11/20/76         | 0              | 9308                   | 3722N                                   | 05430E       | 26.5         | 148.8                              | PPPP                |                      | 175                     | 34                     |
| 2668-06094        | 00000/0000                                     | 2-20036/1051 | 11/20/76         | 0              | 9308                   | 3557N                                   | 05403E       | 27.5         | 148.1                              | PPPG                |                      | 175                     | 35                     |
| 2668-06103        | 00000/0000                                     | 2-20036/1087 | 11/20/76         | 10             | 9308                   | 3306N                                   | 05310E       | 29.6         | 146.6                              | FGGG                |                      | 175                     | 37                     |
| 2668-06105        | 00000/0000                                     | 2-20036/1088 | 11/20/76         | 10             | 9308                   | 3140N                                   | 05245E       | 30.7         | 145.8                              | GGGG                |                      | 175                     | 38                     |
| 2668-06112        | 00000/0000                                     | 2-20036/1089 | 11/20/76         | 10             | 9308                   | 3014N                                   | 05220E       | 31.7         | 145.1                              | GGFG                |                      | 175                     | 39                     |
| 2668-06114        | 00000/0000                                     | 2-20036/1090 | 11/20/76         | 0              | 9308                   | 2848N                                   | 05156E       | 32.7         | 144.3                              | GGGG                |                      | 175                     | 40                     |
| 2668-07480        | 00000/0000                                     | 2-20036/1091 | 11/20/76         | 80             | 9309                   | 5245N                                   | 03454E       | 14.3         | 156.3                              | GGGG                |                      | 193                     | 23                     |
| 2668-07482        | 00000/0000                                     | 2-20036/1092 | 11/20/76         | 90             | 9309                   | 5131N                                   | 03411E       | 15.4         | 155.6                              | GGGG                |                      | 193                     | 24                     |
| 2668-07485        | 00000/0000                                     | 2-20036/1093 | 11/20/76         | 90             | 9309                   | 5007N                                   | 03332E       | 16.5         | 154.9                              | GGGG                |                      | 193                     | 25                     |
| 2668-07491        | 00000/0000                                     | 2-20036/1094 | 11/20/76         | 90             | 9309                   | 4843N                                   | 03254E       | 17.7         | 154.2                              | GGGG                |                      | 193                     | 26                     |
| 2668-07494        | 00000/0000                                     | 2-20036/1095 | 11/20/76         | 30             | 9309                   | 4718N                                   | 03218E       | 18.8         | 153.6                              | FFGG                |                      | 193                     | 27                     |
| 2668-07500        | 00000/0000                                     | 2-20036/1096 | 11/20/76         | 30             | 9309                   | 4553N                                   | 03144E       | 19.9         | 152.9                              | GGGG                |                      | 193                     | 28                     |
| 2668-14421        | 00000/0000                                     | 2-20036/1083 | 11/20/76         | 90             | 9313                   | 4845N                                   | 07021W       | 17.6         | 154.2                              | G                   |                      | 14                      | 26                     |
| 2668-14485        | 00000/0000                                     | 2-20036/1084 | 11/20/76         | 40             | 9313                   | 2557N                                   | 07755W       | 34.6         | 142.6                              | GGGG                |                      | 14                      | 42                     |
| 2668-23422        | 00000/0000                                     | 2-20036/1097 | 11/20/76         | 50             | 9318                   | 3302S                                   | 13824E       | 50.2         | 81.6                               | GGGG                |                      | 104                     | 83                     |
| 2668-23424        | 00000/0000                                     | 2-20036/1098 | 11/20/76         | 80             | 9318                   | 3428S                                   | 13758E       | 49.7         | 80.2                               | GGGG                |                      | 104                     | 84                     |
| 2669-01235        | 00000/0000                                     | 2-20036/1099 | 11/21/76         | 20             | 9319                   | 2720S                                   | 11414E       | 51.7         | 87.5                               | GGGG                |                      | 122                     | 79                     |
| 2669-01242        | 00000/0000                                     | 2-20036/1100 | 11/21/76         | 30             | 9319                   | 2846S                                   | 11350E       | 51.4         | 86.3                               | GGGG                |                      | 122                     | 80                     |
| 2669-02482        | 00000/0000                                     | 2-20036/1114 | 11/21/76         | 0              | 9320                   | 3722N                                   | 10442E       | 26.3         | 148.8                              | GGGG                |                      | 140                     | 34                     |
| 2669-02500        | 00000/0000                                     | 2-20036/1115 | 11/21/76         | 30             | 9320                   | 3142N                                   | 10257E       | 30.5         | 145.9                              | GGGG                |                      | 140                     | 38                     |
| 2669-04271        | 00000/0000                                     | 2-20036/0509 | 11/21/76         | 0              | 9321                   | 5245N                                   | 08510E       | 14.1         | 156.3                              | GGGG                |                      | 158                     | 23                     |
| 2669-04273        | 00000/0000                                     | 2-20036/0510 | 11/21/76         | 0              | 9321                   | 5131N                                   | 08428E       | 15.2         | 155.6                              | GGGG                |                      | 158                     | 24                     |
| 2669-04280        | 00000/0000                                     | 2-20036/0511 | 11/21/76         | 10             | 9321                   | 5007N                                   | 08347E       | 16.3         | 154.9                              | GGGG                |                      | 158                     | 25                     |
| 2669-04282        | 00000/0000                                     | 2-20036/0512 | 11/21/76         | 0              | 9321                   | 4842N                                   | 08309E       | 17.5         | 154.2                              | GGGG                |                      | 158                     | 26                     |
| 2669-04285        | 00000/0000                                     | 2-20036/0513 | 11/21/76         | 0              | 9321                   | 4718N                                   | 08232E       | 18.6         | 153.6                              | GGGG                |                      | 158                     | 27                     |
| 2669-04291        | 00000/0000                                     | 2-20036/0514 | 11/21/76         | 0              | 9321                   | 4552N                                   | 08157E       | 19.7         | 152.9                              | GGGG                |                      | 158                     | 28                     |
| 2669-04294        | 00000/0000                                     | 2-20036/0515 | 11/21/76         | 10             | 9321                   | 4428N                                   | 08123E       | 20.8         | 152.2                              | GGGG                |                      | 158                     | 29                     |
| 2669-04300        | 00000/0000                                     | 2-20036/0516 | 11/21/76         | 10             | 9321                   | 4303N                                   | 08051E       | 21.9         | 151.6                              | GGGG                |                      | 158                     | 30                     |
| 2669-04303        | 00000/0000                                     | 2-20036/0517 | 11/21/76         | 20             | 9321                   | 4138N                                   | 08020E       | 23.0         | 150.9                              | GGGG                |                      | 158                     | 31                     |
| 2669-04305        | 00000/0000                                     | 2-20036/0518 | 11/21/76         | 50             | 9321                   | 4013N                                   | 07950E       | 24.1         | 150.2                              | GGGG                |                      | 158                     | 32                     |
| 2669-04312        | 00000/0000                                     | 2-20036/0519 | 11/21/76         | 80             | 9321                   | 3847N                                   | 07921E       | 25.2         | 149.5                              | GGGG                |                      | 158                     | 33                     |
| 2669-04314        | 00000/0000                                     | 2-20036/0520 | 11/21/76         | 30             | 9321                   | 3722N                                   | 07852E       | 26.3         | 148.8                              | GGGG                |                      | 158                     | 34                     |
| 2669-04321        | 00000/0000                                     | 2-20036/0521 | 11/21/76         | 10             | 9321                   | 3557N                                   | 07825E       | 27.3         | 148.1                              | GGGG                |                      | 158                     | 35                     |
| 2669-04323        | 00000/0000                                     | 2-20036/0522 | 11/21/76         | 10             | 9321                   | 3432N                                   | 07758E       | 28.4         | 147.4                              | GGGG                |                      | 158                     | 36                     |
| 2669-04330        | 00000/0000                                     | 2-20036/0523 | 11/21/76         | 10             | 9321                   | 3306N                                   | 07733E       | 29.4         | 146.7                              | GGGG                |                      | 158                     | 37                     |
| 2669-04332        | 00000/0000                                     | 2-20036/0524 | 11/21/76         | 70             | 9321                   | 3140N                                   | 07707E       | 30.5         | 145.9                              | GGGG                |                      | 158                     | 38                     |

## KEYS:

CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2669-04335        | 00000/0000                                     | 2-20036/0525     | 11/21/76       | 90              | 9321                               | 3014N                               | 07643E       | 31.5         | 145.1                 | GGGG                |                      | 158                     | 39                     |
| 2669-04341        | 00000/0000                                     | 2-20036/0526     | 11/21/76       | 90              | 9321                               | 2849N                               | 07619E       | 32.5         | 144.3                 | GGGG                |                      | 158                     | 40                     |
| 2669-04344        | 00000/0000                                     | 2-20036/0527     | 11/21/76       | 100             | 9321                               | 2723N                               | 07555E       | 33.5         | 143.5                 | GGGG                |                      | 158                     | 41                     |
| 2669-04350        | 00000/0000                                     | 2-20036/0528     | 11/21/76       | 100             | 9321                               | 2547N                               | 07532E       | 34.5         | 142.7                 | PPPP                |                      | 158                     | 42                     |
| 2669-04353        | 00000/0000                                     | 2-20036/0529     | 11/21/76       | 100             | 9321                               | 2431N                               | 07509E       | 35.5         | 141.8                 | GGGG                |                      | 158                     | 43                     |
| 2669-04355        | 00000/0000                                     | 2-20036/0530     | 11/21/76       | 100             | 9321                               | 2305N                               | 07447E       | 36.5         | 140.9                 | GGGG                |                      | 158                     | 44                     |
| 2669-04362        | 00000/0000                                     | 2-20036/0531     | 11/21/76       | 90              | 9321                               | 2139N                               | 07425E       | 37.4         | 140.0                 | GGGG                |                      | 158                     | 45                     |
| 2669-04364        | 00000/0000                                     | 2-20036/0532     | 11/21/76       | 90              | 9321                               | 2013N                               | 07402E       | 38.4         | 139.0                 | GGGG                |                      | 158                     | 46                     |
| 2669-04371        | 00000/0000                                     | 2-20036/0533     | 11/21/76       | 100             | 9321                               | 1846N                               | 07340E       | 39.3         | 138.0                 | GGGG                |                      | 158                     | 47                     |
| 2669-04373        | 00000/0000                                     | 2-20036/0534     | 11/21/76       | 60              | 9321                               | 1719N                               | 07319E       | 40.2         | 137.0                 | GGGG                |                      | 158                     | 48                     |
| 2669-06100        | 00000/0000                                     | 2-20036/0535     | 11/21/76       | 20              | 9322                               | 5418N                               | 06004E       | 12.9         | 157.1                 | GGGG                |                      | 176                     | 22                     |
| 2669-06105        | 00000/0000                                     | 2-20036/0536     | 11/21/76       | 90              | 9322                               | 5130N                               | 05837E       | 15.2         | 155.6                 | GGGG                |                      | 176                     | 24                     |
| 2669-06111        | 00000/0000                                     | 2-20036/0537     | 11/21/76       | 90              | 9322                               | 5006N                               | 05757E       | 16.3         | 154.9                 | GGGG                |                      | 176                     | 25                     |
| 2669-06114        | 00000/0000                                     | 2-20036/0538     | 11/21/76       | 90              | 9322                               | 4842N                               | 05718E       | 17.4         | 154.2                 | GGGG                |                      | 176                     | 26                     |
| 2669-06120        | 00000/0000                                     | 2-20036/0539     | 11/21/76       | 30              | 9322                               | 4717N                               | 05642E       | 18.6         | 153.6                 | GGGG                |                      | 176                     | 27                     |
| 2669-06123        | 00000/0000                                     | 2-20036/0540     | 11/21/76       | 50              | 9322                               | 4553N                               | 05607E       | 19.7         | 152.9                 | GGGG                |                      | 176                     | 28                     |
| 2669-06125        | 00000/0000                                     | 2-20036/0541     | 11/21/76       | 90              | 9322                               | 4428N                               | 05534E       | 20.8         | 152.2                 | GGGG                |                      | 176                     | 29                     |
| 2669-06132        | 00000/0000                                     | 2-20036/0542     | 11/21/76       | 80              | 9322                               | 4302N                               | 05502E       | 21.9         | 151.6                 | GGGG                |                      | 176                     | 30                     |
| 2669-06134        | 00000/0000                                     | 2-20036/0543     | 11/21/76       | 40              | 9322                               | 4137N                               | 05431E       | 23.0         | 150.9                 | GGGG                |                      | 176                     | 31                     |
| 2669-06155        | 00000/0000                                     | 2-20036/1123     | 11/21/76       | 0               | 9322                               | 3431N                               | 05209E       | 28.4         | 147.4                 | GGGG                |                      | 176                     | 36                     |
| 2669-06161        | 00000/0000                                     | 2-20036/1124     | 11/21/76       | 0               | 9322                               | 3305N                               | 05143E       | 29.4         | 146.7                 | FGGG                |                      | 176                     | 37                     |
| 2669-06164        | 00000/0000                                     | 2-20036/1125     | 11/21/76       | 0               | 9322                               | 3139N                               | 05118E       | 30.5         | 145.9                 | GGGG                |                      | 176                     | 38                     |
| 2669-06170        | 00000/0000                                     | 2-20036/1126     | 11/21/76       | 0               | 9322                               | 3014N                               | 05053E       | 31.5         | 145.1                 | GGGF                |                      | 176                     | 39                     |
| 2669-06173        | 00000/0000                                     | 2-20036/1127     | 11/21/76       | 0               | 9322                               | 2848N                               | 05029E       | 32.5         | 144.3                 | FGFF                |                      | 176                     | 40                     |
| 2669-07534        | 00000/0000                                     | 2-20036/1128     | 11/21/76       | 90              | 9323                               | 5255N                               | 03330E       | 14.1         | 156.3                 | GGGG                |                      | 194                     | 23                     |
| 2669-07540        | 00000/0000                                     | 2-20036/1129     | 11/21/76       | 100             | 9323                               | 5131N                               | 03248E       | 15.2         | 155.6                 | GGGG                |                      | 194                     | 24                     |
| 2669-07543        | 00000/0000                                     | 2-20036/1130     | 11/21/76       | 100             | 9323                               | 5006N                               | 03208E       | 16.3         | 154.9                 | GGGG                |                      | 194                     | 25                     |
| 2669-07545        | 00000/0000                                     | 2-20036/1131     | 11/21/76       | 90              | 9323                               | 4842N                               | 03130E       | 17.4         | 154.2                 | GGGG                |                      | 194                     | 26                     |
| 2669-07552        | 00000/0000                                     | 2-20036/1132     | 11/21/76       | 70              | 9323                               | 4718N                               | 03053E       | 18.6         | 153.6                 | GGGF                |                      | 194                     | 27                     |
| 2669-07554        | 00000/0000                                     | 2-20036/1133     | 11/21/76       | 80              | 9323                               | 4553N                               | 03018E       | 19.7         | 152.9                 | GGFG                |                      | 194                     | 28                     |
| 2669-16302        | 00000/0000                                     | 2-20036/1139     | 11/21/76       | 100             | 9328                               | 5132N                               | 09618W       | 15.1         | 155.6                 | FGGG                |                      | 33                      | 24                     |
| 2669-23480        | 00000/0000                                     | 2-20036/1134     | 11/21/76       | 10              | 9332                               | 3303S                               | 13658E       | 50.2         | 81.9                  | GGGF                |                      | 105                     | 83                     |
| 2669-23482        | 00000/0000                                     | 2-20036/1135     | 11/21/76       | 20              | 9332                               | 3429S                               | 13632E       | 49.7         | 80.5                  | FGGF                |                      | 105                     | 84                     |
| 2670-02541        | 00000/0000                                     | 2-20036/1136     | 11/22/76       | 0               | 9334                               | 3721N                               | 10315E       | 26.0         | 148.9                 | FGGG                |                      | 141                     | 34                     |
| 2670-02543        | 00000/0000                                     | 2-20036/1137     | 11/22/76       | 0               | 9334                               | 3557N                               | 10248E       | 27.1         | 148.2                 | GGGG                |                      | 141                     | 35                     |
| 2670-02552        | 00000/0000                                     | 2-20036/0811     | 11/22/76       | 70              | 9334                               | 3307N                               | 10156E       | 29.2         | 146.7                 | FFFF                |                      | 141                     | 37                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM ROLL NO./ POSITION IN ROLL RBY | DATE ACQUIRED | CLOUD COVER | ORBIT NUMBER | PRINCIPAL PRINT OF IMAGE LAT | PRINCIPAL PRINT OF IMAGE LONG | SUN ELEV. | SUN AZIM. | IMAGE-QUAL RBY | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME ROW NUMBER |
|----------------|------------------------------------------|---------------|-------------|--------------|------------------------------|-------------------------------|-----------|-----------|----------------|---------------|----------------|-------------------|------------------|
| 2670-02555     | 00000/0000 2-20036/0812                  | 11/22/76      | 70          | 9334         | 3142N                        | 10131E                        | 30.3      | 146.0     | FFFF           |               |                | 141               | 38               |
| 2670-02561     | 00000/0000 2-20036/0813                  | 11/22/76      | 30          | 9334         | 3016N                        | 10106E                        | 31.3      | 145.2     | FFFF           |               |                | 141               | 39               |
| 2670-02564     | 00000/0000 2-20036/0814                  | 11/22/76      | 50          | 9334         | 2849N                        | 10041E                        | 32.3      | 144.4     | FFFF           |               |                | 141               | 40               |
| 2670-02573     | 00000/0000 2-20036/1138                  | 11/22/76      | 40          | 9334         | 2557N                        | 09954E                        | 34.3      | 142.7     | FFFF           |               |                | 141               | 41               |
| 2670-04322     | 00000/0000 2-20036/0815                  | 11/22/76      | 20          | 9335         | 5449N                        | 08427E                        | 12.7      | 157.1     | FFFF           |               |                | 159               | 22               |
| 2670-04325     | 00000/0000 2-20036/0816                  | 11/22/76      | 10          | 9335         | 5255N                        | 08343E                        | 13.9      | 156.3     | FFFF           |               |                | 159               | 23               |
| 2670-04331     | 00000/0000 2-20036/0817                  | 11/22/76      | 20          | 9335         | 5130N                        | 08301E                        | 15.0      | 155.6     | FFFF           |               |                | 159               | 24               |
| 2670-04334     | 00000/0000 2-20036/0818                  | 11/22/76      | 40          | 9335         | 5006N                        | 08221E                        | 16.1      | 154.9     | FFFF           |               |                | 159               | 25               |
| 2670-04340     | 00000/0000 2-20036/0819                  | 11/22/76      | 70          | 9335         | 4842N                        | 08142E                        | 17.2      | 154.2     | FFFF           |               |                | 159               | 26               |
| 2670-04343     | 00000/0000 2-20036/0820                  | 11/22/76      | 60          | 9335         | 4717N                        | 08106E                        | 18.4      | 153.6     | FFFF           |               |                | 159               | 27               |
| 2670-04345     | 00000/0000 2-20036/0821                  | 11/22/76      | 30          | 9335         | 4552N                        | 08030E                        | 19.5      | 152.9     | FFFF           |               |                | 159               | 28               |
| 2670-04352     | 00000/0000 2-20036/0822                  | 11/22/76      | 10          | 9335         | 4427N                        | 07957E                        | 20.6      | 152.2     | FFFF           |               |                | 159               | 29               |
| 2670-04354     | 00000/0000 2-20036/0823                  | 11/22/76      | 0           | 9335         | 4302N                        | 07924E                        | 21.7      | 151.6     | FFFF           |               |                | 159               | 30               |
| 2670-04361     | 00000/0000 2-20036/0824                  | 11/22/76      | 0           | 9335         | 4137N                        | 07853E                        | 22.8      | 150.9     | FFFF           |               |                | 159               | 31               |
| 2670-04363     | 00000/0000 2-20036/0825                  | 11/22/76      | 0           | 9335         | 4011N                        | 07823E                        | 23.9      | 150.2     | FFFF           |               |                | 159               | 32               |
| 2670-04370     | 00000/0000 2-20036/0826                  | 11/22/76      | 10          | 9335         | 3847N                        | 07754E                        | 25.0      | 149.5     | FFFF           |               |                | 159               | 33               |
| 2670-04372     | 00000/0000 2-20036/0827                  | 11/22/76      | 10          | 9335         | 3722N                        | 07726E                        | 26.0      | 148.9     | FFFF           |               |                | 159               | 34               |
| 2670-04375     | 00000/0000 2-20036/0828                  | 11/22/76      | 30          | 9335         | 3557N                        | 07659E                        | 27.1      | 148.2     | FFFF           |               |                | 159               | 35               |
| 2670-04381     | 00000/0000 2-20036/0829                  | 11/22/76      | 20          | 9335         | 3432N                        | 07632E                        | 28.2      | 147.4     | FFFF           |               |                | 159               | 36               |
| 2670-04384     | 00000/0000 2-20036/0830                  | 11/22/76      | 20          | 9335         | 3306N                        | 07606E                        | 29.2      | 146.7     | FFFF           |               |                | 159               | 37               |
| 2670-04390     | 00000/0000 2-20036/0831                  | 11/22/76      | 10          | 9335         | 3140N                        | 07540E                        | 30.3      | 146.0     | FFFF           |               |                | 159               | 38               |
| 2670-04393     | 00000/0000 2-20036/0832                  | 11/22/76      | 30          | 9335         | 3014N                        | 07516E                        | 31.3      | 145.2     | FFFF           |               |                | 159               | 39               |
| 2670-04395     | 00000/0000 2-20036/0833                  | 11/22/76      | 60          | 9335         | 2848N                        | 07451E                        | 32.3      | 144.4     | FFFF           |               |                | 159               | 40               |
| 2670-04402     | 00000/0000 2-20036/0834                  | 11/22/76      | 80          | 9335         | 2723N                        | 07428E                        | 33.3      | 143.6     | FFFF           |               |                | 159               | 41               |
| 2670-04404     | 00000/0000 2-20036/0835                  | 11/22/76      | 90          | 9335         | 2556N                        | 07405E                        | 34.3      | 142.7     | FFFF           |               |                | 159               | 42               |
| 2670-04411     | 00000/0000 2-20036/0836                  | 11/22/76      | 90          | 9335         | 2430N                        | 07342E                        | 35.3      | 141.9     | FFFF           |               |                | 159               | 43               |
| 2670-04413     | 00000/0000 2-20036/0837                  | 11/22/76      | 90          | 9335         | 2303N                        | 07319E                        | 36.3      | 141.0     | FFFF           |               |                | 159               | 44               |
| 2670-04420     | 00000/0000 2-20036/0838                  | 11/22/76      | 90          | 9335         | 2137N                        | 07257E                        | 37.2      | 140.1     | FFFF           |               |                | 159               | 45               |
| 2670-04422     | 00000/0000 2-20036/0839                  | 11/22/76      | 100         | 9335         | 2011N                        | 07235E                        | 38.2      | 139.1     | FFFF           |               |                | 159               | 46               |
| 2670-04425     | 00000/0000 2-20036/0840                  | 11/22/76      | 90          | 9335         | 1845N                        | 07213E                        | 39.1      | 138.1     | FFFF           |               |                | 159               | 47               |
| 2670-06160     | 00000/0000 2-20036/0841                  | 11/22/76      | 90          | 9336         | 5254N                        | 05755E                        | 13.8      | 156.3     | FFFF           |               |                | 177               | 23               |
| 2670-06163     | 00000/0000 2-20036/0842                  | 11/22/76      | 90          | 9336         | 5130N                        | 05713E                        | 15.0      | 155.6     | FFFF           |               |                | 177               | 24               |
| 2670-06165     | 00000/0000 2-20036/0843                  | 11/22/76      | 100         | 9336         | 5005N                        | 05632E                        | 16.1      | 154.9     | FFFF           |               |                | 177               | 25               |
| 2670-06172     | 00000/0000 2-20036/0844                  | 11/22/76      | 90          | 9336         | 4841N                        | 05554E                        | 17.2      | 154.2     | FFFF           |               |                | 177               | 26               |
| 2670-06174     | 00000/0000 2-20036/0845                  | 11/22/76      | 90          | 9336         | 4716N                        | 05517E                        | 18.3      | 153.6     | FFFF           |               |                | 177               | 27               |
| 2670-06181     | 00000/0000 2-20036/0846                  | 11/22/76      | 90          | 9336         | 4552N                        | 05442E                        | 19.5      | 152.9     | FFFF           |               |                | 177               | 28               |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SRBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SRBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2670-06183        | 00000/0000                   | 2-20036/0847                | 11/22/76         | 70             | 9336            | 4427N                        | 05408E        | 20.6         | 152.2        | FGGG                               |                     |                      | 177                     | 29                     |
| 2670-06190        | 00000/0000                   | 2-20036/0848                | 11/22/76         | 80             | 9336            | 4302N                        | 05335E        | 21.7         | 151.6        | FGGG                               |                     |                      | 177                     | 30                     |
| 2670-06204        | 00000/0000                   | 2-20036/1659                | 11/22/76         | 10             | 9336            | 3721N                        | 05138E        | 26.0         | 148.9        | GGGG                               |                     |                      | 177                     | 34                     |
| 2670-07585        | 00000/0000                   | 2-20036/1660                | 11/22/76         | 90             | 9337            | 5421N                        | 03250E        | 12.7         | 157.1        | GGGG                               |                     |                      | 195                     | 22                     |
| 2670-07592        | 00000/0000                   | 2-20036/1661                | 11/22/76         | 90             | 9337            | 5258N                        | 03205E        | 13.8         | 156.3        | GGGG                               |                     |                      | 195                     | 23                     |
| 2670-07594        | 00000/0000                   | 2-20036/1662                | 11/22/76         | 100            | 9337            | 5133N                        | 03123E        | 14.9         | 155.6        | GGGG                               |                     |                      | 195                     | 24                     |
| 2670-08001        | 00000/0000                   | 2-20036/1663                | 11/22/76         | 100            | 9337            | 5008N                        | 03042E        | 16.1         | 154.9        | GGGG                               |                     |                      | 195                     | 25                     |
| 2670-08003        | 00000/0000                   | 2-20036/1210                | 11/22/76         | 90             | 9337            | 4844N                        | 03004E        | 17.2         | 154.3        | GGGG                               |                     |                      | 195                     | 26                     |
| 2670-08010        | 00000/0000                   | 2-20036/1211                | 11/22/76         | 80             | 9337            | 4719N                        | 02927E        | 18.3         | 153.6        | GGGG                               |                     |                      | 195                     | 27                     |
| 2670-08012        | 00000/0000                   | 2-20036/1212                | 11/22/76         | 60             | 9337            | 4555N                        | 02852E        | 19.4         | 152.9        | GGGG                               |                     |                      | 195                     | 28                     |
| 2670-13100        | 00000/0000                   | 2-20036/1116                | 11/22/76         | 90             | 9340            | 5008N                        | 04645W        | 16.0         | 154.9        | GGFF                               |                     |                      | 249                     | 25                     |
| 2670-13102        | 00000/0000                   | 2-20036/1117                | 11/22/76         | 80             | 9340            | 4843N                        | 04722W        | 17.2         | 154.2        | GGGG                               |                     |                      | 249                     | 26                     |
| 2670-13105        | 00000/0000                   | 2-20036/1118                | 11/22/76         | 90             | 9340            | 4718N                        | 04759W        | 18.3         | 153.6        | FFGG                               |                     |                      | 249                     | 27                     |
| 2670-13111        | 00000/0000                   | 2-20036/1119                | 11/22/76         | 90             | 9340            | 4553N                        | 04834W        | 19.4         | 152.9        | GGGG                               |                     |                      | 249                     | 28                     |
| 2670-13114        | 00000/0000                   | 2-20036/1120                | 11/22/76         | 90             | 9340            | 4428N                        | 04907W        | 20.5         | 152.2        | GGGG                               |                     |                      | 249                     | 29                     |
| 2670-13120        | 00000/0000                   | 2-20036/1121                | 11/22/76         | 90             | 9340            | 4304N                        | 04939W        | 21.6         | 151.6        | GGG                                |                     |                      | 249                     | 30                     |
| 2670-13123        | 00000/0000                   | 2-20036/1122                | 11/22/76         | 80             | 9340            | 4138N                        | 05010W        | 22.7         | 150.9        | FGGG                               |                     |                      | 249                     | 31                     |
| 2670-23534        | 00000/0000                   | 2-20036/1213                | 11/22/76         | 80             | 9346            | 3304S                        | 13532E        | 50.2         | 82.3         | GGGG                               |                     |                      | 106                     | 83                     |
| 2670-23541        | 00000/0000                   | 2-20036/1214                | 11/22/76         | 70             | 9346            | 3429S                        | 13506E        | 49.7         | 80.8         | GFGG                               |                     |                      | 106                     | 84                     |
| 2671-02592        | 00000/0000                   | 2-20036/1215                | 11/23/76         | 0              | 9348            | 3846N                        | 10217E        | 24.8         | 149.6        | GGGG                               |                     |                      | 142                     | 33                     |
| 2671-02595        | 00000/0000                   | 2-20036/1158                | 11/23/76         | 0              | 9348            | 3721N                        | 10149E        | 25.8         | 148.9        | GFGG                               |                     |                      | 142                     | 34                     |
| 2671-03001        | 00000/0000                   | 2-20036/1159                | 11/23/76         | 0              | 9348            | 3556N                        | 10122E        | 26.9         | 148.2        | FGGF                               |                     |                      | 142                     | 35                     |
| 2671-03004        | 00000/0000                   | 2-20036/1160                | 11/23/76         | 0              | 9348            | 3431N                        | 10056E        | 28.0         | 147.5        | GGG                                |                     |                      | 142                     | 36                     |
| 2671-03010        | 00000/0000                   | 2-20036/1161                | 11/23/76         | 0              | 9348            | 3306N                        | 10030E        | 29.0         | 146.7        | GGG                                |                     |                      | 142                     | 37                     |
| 2671-03013        | 00000/0000                   | 2-20036/1162                | 11/23/76         | 50             | 9348            | 3141N                        | 10004E        | 30.1         | 146.0        | FGG                                |                     |                      | 142                     | 38                     |
| 2671-03015        | 00000/0000                   | 2-20036/1163                | 11/23/76         | 50             | 9348            | 3015N                        | 09939E        | 31.1         | 145.2        | GGGG                               |                     |                      | 142                     | 39                     |
| 2671-03022        | 00000/0000                   | 2-20036/1164                | 11/23/76         | 60             | 9348            | 2848N                        | 09915E        | 32.1         | 144.4        | FGGG                               |                     |                      | 142                     | 40                     |
| 2671-03024        | 00000/0000                   | 2-20036/1165                | 11/23/76         | 90             | 9348            | 2721N                        | 09852E        | 33.1         | 143.6        | GGGG                               |                     |                      | 142                     | 41                     |
| 2671-03031        | 00000/0000                   | 2-20036/1166                | 11/23/76         | 90             | 9348            | 2555N                        | 09829E        | 34.1         | 142.8        | GFGG                               |                     |                      | 142                     | 42                     |
| 2671-03033        | 00000/0000                   | 2-20036/1167                | 11/23/76         | 90             | 9348            | 2429N                        | 09807E        | 35.1         | 141.9        | GGGG                               |                     |                      | 142                     | 43                     |
| 2671-04380        | 00000/0000                   | 2-20036/1168                | 11/23/76         | 60             | 9349            | 5422N                        | 08303E        | 12.5         | 157.1        | GGGF                               |                     |                      | 160                     | 22                     |
| 2671-04383        | 00000/0000                   | 2-20036/1169                | 11/23/76         | 20             | 9349            | 5257N                        | 08218E        | 13.6         | 156.3        | FFGG                               |                     |                      | 160                     | 23                     |
| 2671-04385        | 00000/0000                   | 2-20036/1170                | 11/23/76         | 20             | 9349            | 5133N                        | 08136E        | 14.7         | 155.6        | GGG                                |                     |                      | 160                     | 24                     |
| 2671-04392        | 00000/0000                   | 2-20036/1171                | 11/23/76         | 10             | 9349            | 5009N                        | 08055E        | 15.9         | 154.9        | FGGG                               |                     |                      | 160                     | 25                     |
| 2671-04394        | 00000/0000                   | 2-20036/1157                | 11/23/76         | 10             | 9349            | 4845N                        | 08017E        | 17.0         | 154.3        | G GG                               |                     |                      | 160                     | 26                     |
| 2671-04401        | 00000/0000                   | 2-20036/1172                | 11/23/76         | 10             | 9349            | 4719N                        | 07941E        | 18.1         | 153.6        | FGGF                               |                     |                      | 160                     | 27                     |

KEYS: C=CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 I=IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 M=MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 G=GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2671-04403        | 00000/0000                                     | 2-20036/1173     | 11/23/76       | 10              | 9349                               | 4555N                               | 07906E       | 19.2         | 152.9             | GGGG                |                      | 160                     | 28                     |
| 2671-04410        | 00000/0000                                     | 2-20036/1174     | 11/23/76       | 0               | 9349                               | 4430N                               | 07832E       | 20.3         | 152.3             | GGGG                |                      | 160                     | 29                     |
| 2671-04412        | 00000/0000                                     | 2-20036/1175     | 11/23/76       | 10              | 9349                               | 4305N                               | 07800E       | 21.4         | 151.6             | GGGG                |                      | 160                     | 30                     |
| 2671-04415        | 00000/0000                                     | 2-20036/1176     | 11/23/76       | 20              | 9349                               | 4139N                               | 07729E       | 22.5         | 150.9             | GGGG                |                      | 160                     | 31                     |
| 2671-04421        | 00000/0000                                     | 2-20036/1177     | 11/23/76       | 0               | 9349                               | 4014N                               | 07658E       | 23.6         | 150.3             | GGGG                |                      | 160                     | 32                     |
| 2671-04424        | 00000/0000                                     | 2-20036/1178     | 11/23/76       | 0               | 9349                               | 3800N                               | 07628E       | 24.7         | 149.6             | GGGG                |                      | 160                     | 33                     |
| 2671-04430        | 00000/0000                                     | 2-20036/1179     | 11/23/76       | 0               | 9349                               | 3725N                               | 07559E       | 25.8         | 148.9             | GGGG                |                      | 160                     | 34                     |
| 2671-04433        | 00000/0000                                     | 2-20036/1180     | 11/23/76       | 0               | 9349                               | 3559N                               | 07532E       | 26.8         | 148.2             | GGGG                |                      | 160                     | 35                     |
| 2671-04435        | 00000/0000                                     | 2-20036/1181     | 11/23/76       | 20              | 9349                               | 3433N                               | 07505E       | 27.9         | 147.5             | GGGG                |                      | 160                     | 36                     |
| 2671-04442        | 00000/0000                                     | 2-20036/1182     | 11/23/76       | 10              | 9349                               | 3308N                               | 07439E       | 29.0         | 146.8             | GGGG                |                      | 160                     | 37                     |
| 2671-04444        | 00000/0000                                     | 2-20036/1183     | 11/23/76       | 10              | 9349                               | 3142N                               | 07414E       | 30.0         | 146.0             | GGGG                |                      | 160                     | 38                     |
| 2671-04451        | 00000/0000                                     | 2-20036/1184     | 11/23/76       | 10              | 9349                               | 3016N                               | 07349E       | 31.0         | 145.3             | GGGG                |                      | 160                     | 39                     |
| 2671-04453        | 00000/0000                                     | 2-20036/1185     | 11/23/76       | 10              | 9349                               | 2851N                               | 07326E       | 32.1         | 144.5             | GGGG                |                      | 160                     | 40                     |
| 2671-04460        | 00000/0000                                     | 2-20036/1186     | 11/23/76       | 60              | 9349                               | 2725N                               | 07302E       | 33.1         | 143.7             | GGGG                |                      | 160                     | 41                     |
| 2671-04462        | 00000/0000                                     | 2-20036/1187     | 11/23/76       | 90              | 9349                               | 2559N                               | 07240E       | 34.1         | 142.8             | GGGG                |                      | 160                     | 42                     |
| 2671-04465        | 00000/0000                                     | 2-20036/1188     | 11/23/76       | 90              | 9349                               | 2432N                               | 07217E       | 35.1         | 142.0             | GGGG                |                      | 160                     | 43                     |
| 2671-04471        | 00000/0000                                     | 2-20036/1189     | 11/23/76       | 90              | 9349                               | 2306N                               | 07154E       | 36.0         | 141.1             | GGGG                |                      | 160                     | 44                     |
| 2671-04474        | 00000/0000                                     | 2-20036/1190     | 11/23/76       | 90              | 9349                               | 2140N                               | 07132E       | 37.0         | 140.2             | GGGG                |                      | 160                     | 45                     |
| 2671-04480        | 00000/0000                                     | 2-20036/1191     | 11/23/76       | 80              | 9349                               | 2014N                               | 07110E       | 37.9         | 139.2             | GGGG                |                      | 160                     | 46                     |
| 2671-06214        | 00000/0000                                     | 2-20036/1192     | 11/23/76       | 100             | 9350                               | 5257N                               | 05630E       | 13.6         | 156.3             | GGGG                |                      | 178                     | 23                     |
| 2671-06221        | 00000/0000                                     | 2-20036/1193     | 11/23/76       | 100             | 9350                               | 5133N                               | 05547E       | 14.7         | 155.6             | GGGG                |                      | 178                     | 24                     |
| 2671-06223        | 00000/0000                                     | 2-20036/1194     | 11/23/76       | 90              | 9350                               | 5008N                               | 05507E       | 15.8         | 154.9             | GGGG                |                      | 178                     | 25                     |
| 2671-06230        | 00000/0000                                     | 2-20036/1195     | 11/23/76       | 90              | 9350                               | 4844N                               | 05428E       | 17.0         | 154.2             | GGGG                |                      | 178                     | 26                     |
| 2671-06232        | 00000/0000                                     | 2-20036/1196     | 11/23/76       | 70              | 9350                               | 4720N                               | 05352E       | 18.1         | 153.6             | GGGG                |                      | 178                     | 27                     |
| 2671-06235        | 00000/0000                                     | 2-20036/1197     | 11/23/76       | 70              | 9350                               | 4554N                               | 05317E       | 19.2         | 152.9             | GGGG                |                      | 178                     | 28                     |
| 2671-06241        | 00000/0000                                     | 2-20036/1198     | 11/23/76       | 60              | 9350                               | 4430N                               | 05243E       | 20.3         | 152.3             | GGGG                |                      | 178                     | 29                     |
| 2671-06244        | 00000/0000                                     | 2-20036/1199     | 11/23/76       | 50              | 9350                               | 4305N                               | 05211E       | 21.4         | 151.6             | GGGG                |                      | 178                     | 30                     |
| 2671-06250        | 00000/0000                                     | 2-20036/1200     | 11/23/76       | 50              | 9350                               | 4139N                               | 05140E       | 22.5         | 150.9             | GGGG                |                      | 178                     | 31                     |
| 2671-06253        | 00000/0000                                     | 2-20036/1216     | 11/23/76       | 40              | 9350                               | 4014N                               | 05110E       | 23.6         | 150.3             | GGGG                |                      | 178                     | 32                     |
| 2671-06255        | 00000/0000                                     | 2-20036/1217     | 11/23/76       | 40              | 9350                               | 3849N                               | 05042E       | 24.7         | 149.6             | GGGG                |                      | 178                     | 33                     |
| 2671-06262        | 00000/0000                                     | 2-20036/1218     | 11/23/76       | 20              | 9350                               | 3725N                               | 05013E       | 25.8         | 148.9             | GGGG                |                      | 178                     | 34                     |
| 2671-08044        | 00000/0000                                     | 2-20036/1219     | 11/23/76       | 60              | 9351                               | 5420N                               | 03124E       | 12.5         | 157.0             | GGGG                |                      | 196                     | 22                     |
| 2671-08050        | 00000/0000                                     | 2-20036/1220     | 11/23/76       | 60              | 9351                               | 5257N                               | 03039E       | 13.6         | 156.3             | GGGG                |                      | 196                     | 23                     |
| 2671-08053        | 00000/0000                                     | 2-20036/1221     | 11/23/76       | 60              | 9351                               | 5132N                               | 02956E       | 14.7         | 155.6             | GGGG                |                      | 196                     | 24                     |
| 2671-08055        | 00000/0000                                     | 2-20036/1222     | 11/23/76       | 50              | 9351                               | 5008N                               | 02916E       | 15.8         | 154.9             | GGGG                |                      | 196                     | 25                     |
| 2671-08062        | 00000/0000                                     | 2-20036/1223     | 11/23/76       | 60              | 9351                               | 4844N                               | 02838E       | 17.0         | 154.2             | GGGG                |                      | 196                     | 26                     |

## KEYS:

CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>POINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|---------------------------------------|----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2671-08064        | 00000/0000                   | 2-20036/1224                | 11/23/76         | 80             | 9351            | 47.9N                                 | 02802E                                 | 18.1         | 153.6        | GGGG                  |                     |                      | 196                     | 27                     |
| 2671-08071        | 00000/0000                   | 2-20036/1225                | 11/23/76         | 90             | 9351            | 4554N                                 | 02727E                                 | 19.2         | 152.9        | GGGG                  |                     |                      | 196                     | 28                     |
| 2671-13151        | 00000/0000                   | 2-20036/1226                | 11/23/76         | 60             | 9354            | 5133N                                 | 04732W                                 | 14.6         | 155.6        | GGGG                  |                     |                      | 250                     | 24                     |
| 2671-13154        | 00000/0000                   | 2-20036/1229                | 11/23/76         | 30             | 9354            | 5009N                                 | 04812W                                 | 15.8         | 154.9        | GFGG                  |                     |                      | 250                     | 25                     |
| 2671-13160        | 00000/0000                   | 2-20036/1230                | 11/23/76         | 30             | 9354            | 4844N                                 | 04850W                                 | 16.9         | 154.3        | GGGG                  |                     |                      | 250                     | 26                     |
| 2671-13163        | 00000/0000                   | 2-20036/1231                | 11/23/76         | 30             | 9354            | 4720N                                 | 04927W                                 | 18.0         | 153.6        | GGGG                  |                     |                      | 250                     | 27                     |
| 2671-13165        | 00000/0000                   | 2-20036/1232                | 11/23/76         | 30             | 9354            | 4555N                                 | 05002W                                 | 19.1         | 152.9        | GGGG                  |                     |                      | 250                     | 28                     |
| 2671-13172        | 00000/0000                   | 2-20036/1233                | 11/23/76         | 10             | 9354            | 4430N                                 | 05035W                                 | 20.2         | 152.3        | GGGG                  |                     |                      | 250                     | 29                     |
| 2671-13174        | 00000/0000                   | 2-20036/1234                | 11/23/76         | 20             | 9354            | 4305N                                 | 05107W                                 | 21.3         | 151.6        | GGGG                  |                     |                      | 250                     | 30                     |
| 2671-13181        | 00000/0000                   | 2-20036/1235                | 11/23/76         | 60             | 9354            | 4140N                                 | 05138W                                 | 22.4         | 150.9        | GGGG                  |                     |                      | 250                     | 31                     |
| 2671-15374        | 2-20037/1361                 | 00000/0000                  | 11/23/76         | 90             | 9355            | 7928S                                 | 15155W                                 | 19.3         | 98.1         | GGG                   |                     |                      | 17                      | 118                    |
| 2671-15381        | 2-20037/1362                 | 00000/0000                  | 11/23/76         | 90             | 9355            | 8010S                                 | 15915W                                 | 18.2         | 104.9        | GGG                   |                     |                      | 17                      | 119                    |
| 2671-23590        | 00000/0000                   | 2-20036/1226                | 11/23/76         | 30             | 9360            | 3137S                                 | 13431E                                 | 50.7         | 84.2         | GGGG                  |                     |                      | 107                     | 82                     |
| 2671-23592        | 00000/0000                   | 2-20036/1227                | 11/23/76         | 40             | 9360            | 3303S                                 | 13406E                                 | 50.3         | 82.6         | GGGG                  |                     |                      | 107                     | 83                     |
| 2672-03044        | 00000/0000                   | 2-20037/0154                | 11/24/76         | 80             | 9362            | 4015N                                 | 10121E                                 | 23.4         | 150.3        | GGGG                  |                     |                      | 143                     | 32                     |
| 2672-03050        | 00000/0000                   | 2-20037/0155                | 11/24/76         | 80             | 9362            | 3850N                                 | 10052E                                 | 24.5         | 149.6        | GGGG                  |                     |                      | 143                     | 33                     |
| 2672-03053        | 00000/0000                   | 2-20037/0156                | 11/24/76         | 80             | 9362            | 3725N                                 | 10024E                                 | 25.6         | 148.9        | GGGG                  |                     |                      | 143                     | 34                     |
| 2672-03055        | 00000/0000                   | 2-20037/0157                | 11/24/76         | 30             | 9362            | 3600N                                 | 09957E                                 | 26.7         | 148.2        | GGGG                  |                     |                      | 143                     | 35                     |
| 2672-03062        | 00000/0000                   | 2-20037/0158                | 11/24/76         | 10             | 9362            | 3434N                                 | 09930E                                 | 27.7         | 147.5        | GGGG                  |                     |                      | 143                     | 36                     |
| 2672-03064        | 00000/0000                   | 2-20037/0159                | 11/24/76         | 0              | 9362            | 3308N                                 | 09904E                                 | 28.8         | 146.8        | GFGG                  |                     |                      | 143                     | 37                     |
| 2672-03071        | 00000/0000                   | 2-20037/0160                | 11/24/76         | 10             | 9362            | 3142N                                 | 09839E                                 | 29.8         | 146.1        | GGGG                  |                     |                      | 143                     | 38                     |
| 2672-03073        | 00000/0000                   | 2-20037/0161                | 11/24/76         | 30             | 9362            | 3016N                                 | 09814E                                 | 30.8         | 145.3        | GGGG                  |                     |                      | 143                     | 39                     |
| 2672-03080        | 00000/0000                   | 2-20037/0162                | 11/24/76         | 50             | 9362            | 2850N                                 | 09750E                                 | 31.9         | 144.5        | GGGG                  |                     |                      | 143                     | 40                     |
| 2672-03082        | 00000/0000                   | 2-20037/0163                | 11/24/76         | 90             | 9362            | 2725N                                 | 09726E                                 | 32.9         | 143.7        | GGGG                  |                     |                      | 143                     | 41                     |
| 2672-03085        | 00000/0000                   | 2-20037/0164                | 11/24/76         | 90             | 9362            | 2559N                                 | 09703E                                 | 33.9         | 142.9        | GGGG                  |                     |                      | 143                     | 42                     |
| 2672-03091        | 00000/0000                   | 2-20037/0165                | 11/24/76         | 50             | 9362            | 2433N                                 | 09639E                                 | 34.9         | 142.0        | GGGG                  |                     |                      | 143                     | 43                     |
| 2672-03094        | 00000/0000                   | 2-20037/0166                | 11/24/76         | 80             | 9362            | 2306N                                 | 09616E                                 | 35.8         | 141.2        | GGGG                  |                     |                      | 143                     | 44                     |
| 2672-03100        | 00000/0000                   | 2-20037/0167                | 11/24/76         | 40             | 9362            | 2139N                                 | 09554E                                 | 36.8         | 140.2        | GGGG                  |                     |                      | 143                     | 45                     |
| 2672-04435        | 00000/0000                   | 2-20037/0168                | 11/24/76         | 60             | 9363            | 5420N                                 | 08136E                                 | 12.3         | 157.0        | GGGG                  |                     |                      | 161                     | 22                     |
| 2672-04441        | 00000/0000                   | 2-20037/0169                | 11/24/76         | 10             | 9363            | 5257N                                 | 08051E                                 | 13.4         | 156.3        | GFGG                  |                     |                      | 161                     | 23                     |
| 2672-04444        | 00000/0000                   | 2-20037/0170                | 11/24/76         | 10             | 9363            | 5133N                                 | 08009E                                 | 14.5         | 155.6        | GGGG                  |                     |                      | 161                     | 24                     |
| 2672-04450        | 00000/0000                   | 2-20037/0171                | 11/24/76         | 10             | 9363            | 5008N                                 | 07929E                                 | 15.7         | 154.9        | GGGG                  |                     |                      | 161                     | 25                     |
| 2672-04453        | 00000/0000                   | 2-20037/0172                | 11/24/76         | 0              | 9363            | 4844N                                 | 07850E                                 | 16.8         | 154.2        | GGGG                  |                     |                      | 161                     | 26                     |
| 2672-04455        | 00000/0000                   | 2-20037/0173                | 11/24/76         | 0              | 9363            | 4719N                                 | 07814E                                 | 17.9         | 153.6        | GGGG                  |                     |                      | 161                     | 27                     |
| 2672-04462        | 00000/0000                   | 2-20037/0174                | 11/24/76         | 0              | 9363            | 4554N                                 | 07739E                                 | 19.0         | 152.9        | FGGG                  |                     |                      | 161                     | 28                     |
| 2672-04464        | 00000/0000                   | 2-20037/0175                | 11/24/76         | 0              | 9363            | 4429N                                 | 07705E                                 | 20.1         | 152.3        | GGGG                  |                     |                      | 161                     | 29                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANH SAT-2  
OBSERVATION ID LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2672-04471        | 00000/0000                                     | 2-20037/0176     | 11/24/76       | 10              | 9363                         | 4304N         | 07633E       | 21.2         | 151.6                 | GGGG                |                      |                         |                        |
| 2672-04473        | 00000/0000                                     | 2-20037/0177     | 11/24/76       | 10              | 9363                         | 4140N         | 07601E       | 22.3         | 150.9                 | GGGG                |                      | 161                     | 30                     |
| 2672-04480        | 00000/0000                                     | 2-20037/0178     | 11/24/76       | 0               | 9363                         | 4015N         | 07531E       | 23.4         | 150.3                 | GGGG                |                      | 161                     | 31                     |
| 2672-04482        | 00000/0000                                     | 2-20037/0179     | 11/24/76       | 0               | 9363                         | 3849N         | 07502E       | 24.5         | 149.6                 | GGGG                |                      | 161                     | 32                     |
| 2672-04485        | 00000/0000                                     | 2-20037/0180     | 11/24/76       | 0               | 9363                         | 3724N         | 07434E       | 25.6         | 148.9                 | GGGG                |                      | 161                     | 33                     |
| 2672-04491        | 00000/0000                                     | 2-20037/0181     | 11/24/76       | 0               | 9363                         | 3558N         | 07406E       | 26.6         | 148.2                 | GGGG                |                      | 161                     | 34                     |
| 2672-04494        | 00000/0000                                     | 2-20037/0182     | 11/24/76       | 0               | 9363                         | 3432N         | 07340E       | 27.7         | 147.5                 | GGGG                |                      | 161                     | 35                     |
| 2672-04512        | 00000/0000                                     | 2-20037/0183     | 11/24/76       | 0               | 9363                         | 2849N         | 07200E       | 31.9         | 144.5                 | GGGG                |                      | 161                     | 36                     |
| 2672-04514        | 00000/0000                                     | 2-20037/0184     | 11/24/76       | 0               | 9363                         | 2723N         | 07137E       | 32.9         | 143.7                 | GGGG                |                      | 161                     | 40                     |
| 2672-04521        | 00000/0000                                     | 2-20037/0185     | 11/24/76       | 30              | 9363                         | 2557N         | 07113E       | 33.9         | 142.9                 | GGGG                |                      | 161                     | 41                     |
| 2672-04523        | 00000/0000                                     | 2-20037/0186     | 11/24/76       | 70              | 9363                         | 2431N         | 07051E       | 34.9         | 142.0                 | GGGG                |                      | 161                     | 42                     |
| 2672-04530        | 00000/0000                                     | 2-20037/0187     | 11/24/76       | 90              | 9363                         | 2304N         | 07028E       | 35.8         | 141.2                 | GGGG                |                      | 161                     | 43                     |
| 2672-04532        | 00000/0000                                     | 2-20037/0188     | 11/24/76       | 90              | 9363                         | 2138N         | 07006E       | 36.8         | 140.3                 | GGGG                |                      | 161                     | 44                     |
| 2672-04535        | 00000/0000                                     | 2-20037/0189     | 11/24/76       | 70              | 9363                         | 2011N         | 06944E       | 37.7         | 139.3                 | GGGG                |                      | 161                     | 45                     |
| 2672-06275        | 00000/0000                                     | 2-20037/0190     | 11/24/76       | 20              | 9364                         | 5132N         | 05421E       | 14.5         | 155.6                 | GGGG                |                      | 179                     | 46                     |
| 2672-06282        | 00000/0000                                     | 2-20037/0191     | 11/24/76       | 10              | 9364                         | 5008N         | 05341E       | 15.6         | 154.9                 | GGGG                |                      | 179                     | 24                     |
| 2672-06284        | 00000/0000                                     | 2-20037/0192     | 11/24/76       | 0               | 9364                         | 4843N         | 05302E       | 16.8         | 154.2                 | GGGG                |                      | 179                     | 25                     |
| 2672-06291        | 00000/0000                                     | 2-20037/0193     | 11/24/76       | 20              | 9364                         | 4719N         | 05225E       | 17.9         | 153.6                 | GGGG                |                      | 179                     | 26                     |
| 2672-06293        | 00000/0000                                     | 2-20037/0194     | 11/24/76       | 70              | 9364                         | 4554N         | 05150E       | 19.0         | 152.9                 | GGGG                |                      | 179                     | 27                     |
| 2672-06300        | 00000/0000                                     | 2-20037/0195     | 11/24/76       | 80              | 9364                         | 4429N         | 05118E       | 20.1         | 152.3                 | GGGG                |                      | 179                     | 28                     |
| 2672-06311        | 00000/0000                                     | 2-20036/1664     | 11/24/76       | 70              | 9364                         | 4014N         | 04944E       | 23.4         | 150.3                 | GGGG                |                      | 179                     | 29                     |
| 2672-06314        | 00000/0000                                     | 2-20036/1665     | 11/24/76       | 70              | 9364                         | 3849N         | 04915E       | 24.5         | 149.6                 | GGGG                |                      | 179                     | 32                     |
| 2672-08111        | 00000/0000                                     | 2-20036/1666     | 11/24/76       | 70              | 9365                         | 5131N         | 02429E       | 14.5         | 155.6                 | GGGG                |                      | 179                     | 33                     |
| 2672-08120        | 00000/0000                                     | 2-20036/1667     | 11/24/76       | 40              | 9365                         | 4843N         | 02712E       | 16.8         | 154.2                 | GGGG                |                      | 197                     | 24                     |
| 2672-08122        | 00000/0000                                     | 2-20036/1668     | 11/24/76       | 20              | 9365                         | 4719N         | 02635E       | 17.9         | 153.6                 | GGGG                |                      | 197                     | 26                     |
| 2672-08125        | 00000/0000                                     | 2-20036/1669     | 11/24/76       | 30              | 9365                         | 4553N         | 02600E       | 19.0         | 152.9                 | GGGG                |                      | 197                     | 27                     |
| 2672-08131        | 00000/0000                                     | 2-20036/1670     | 11/24/76       | 80              | 9365                         | 4429N         | 02526E       | 20.1         | 152.2                 | GGGG                |                      | 197                     | 28                     |
| 2672-08134        | 00000/0000                                     | 2-20036/1671     | 11/24/76       | 70              | 9365                         | 4303N         | 02454E       | 21.2         | 151.6                 | GGGG                |                      | 197                     | 29                     |
| 2672-13205        | 00000/0000                                     | 2-20036/1201     | 11/24/76       | 70              | 9368                         | 5133N         | 04900W       | 14.4         | 155.6                 | GGGG                |                      | 197                     | 30                     |
| 2672-13212        | 00000/0000                                     | 2-20036/1202     | 11/24/76       | 30              | 9368                         | 5008N         | 04740W       | 15.6         | 154.9                 | GGGG                |                      | 251                     | 24                     |
| 2672-13214        | 00000/0000                                     | 2-20036/1203     | 11/24/76       | 70              | 9368                         | 4844N         | 05017W       | 16.7         | 154.2                 | GGGG                |                      | 251                     | 25                     |
| 2672-13221        | 00000/0000                                     | 2-20036/1204     | 11/24/76       | 80              | 9368                         | 4719N         | 05053W       | 17.8         | 153.6                 | GGGG                |                      | 251                     | 26                     |
| 2672-13223        | 00000/0000                                     | 2-20036/1205     | 11/24/76       | 80              | 9368                         | 4555N         | 05128W       | 18.9         | 152.9                 | GGGG                |                      | 251                     | 27                     |
| 2672-13230        | 00000/0000                                     | 2-20036/1206     | 11/24/76       | 60              | 9368                         | 4429N         | 05201W       | 20.0         | 152.3                 | GGGG                |                      | 251                     | 28                     |
| 2672-13232        | 00000/0000                                     | 2-20036/1207     | 11/24/76       | 80              | 9368                         | 4305N         | 05233W       | 21.1         | 151.6                 | GGGG                |                      | 251                     | 29                     |
| 2672-13235        | 00000/0000                                     | 2-20036/1208     | 11/24/76       | 90              | 9368                         | 4140N         | 05304W       | 22.2         | 150.9                 | GGGG                |                      | 251                     | 30                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NMN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>PRINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|---------------------------------------|----------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2672-16473        | 00000/0000                   | 2-20036/1209                | 11/24/76         | 80             | 9370            | 5133N                                 | 10037W                                 | 14.4         | 155.6        | GGGG              |                     |                      | 36                      | 24                     |
| 2673-03102        | 00000/0000                   | 2-20036/1245                | 11/25/76         | 0              | 9376            | 4013N                                 | 09955E                                 | 23.2         | 150.3        | GGGG              |                     |                      | 144                     | 32                     |
| 2673-03105        | 00000/0000                   | 2-20036/1246                | 11/25/76         | 0              | 9376            | 3849N                                 | 09926E                                 | 24.3         | 149.6        | GGGG              |                     |                      | 144                     | 33                     |
| 2673-03111        | 00000/0000                   | 2-20036/1247                | 11/25/76         | 0              | 9376            | 3724N                                 | 09858E                                 | 25.1         | 148.9        | GGGG              |                     |                      | 144                     | 34                     |
| 2673-03114        | 00000/0000                   | 2-20036/1248                | 11/25/76         | 0              | 9376            | 3559N                                 | 09831E                                 | 26.5         | 148.2        | FFFF              |                     |                      | 144                     | 35                     |
| 2673-03120        | 00000/0000                   | 2-20036/1249                | 11/25/76         | 0              | 9376            | 3433N                                 | 09804E                                 | 27.5         | 147.5        | GGGG              |                     |                      | 144                     | 36                     |
| 2673-03123        | 00000/0000                   | 2-20036/1250                | 11/25/76         | 0              | 9376            | 3307N                                 | 09738E                                 | 28.6         | 146.8        | GGGG              |                     |                      | 144                     | 37                     |
| 2673-03125        | 00000/0000                   | 2-20036/1251                | 11/25/76         | 0              | 9376            | 3141N                                 | 09713E                                 | 29.6         | 146.1        | GGGG              |                     |                      | 144                     | 38                     |
| 2673-03132        | 00000/0000                   | 2-20036/1252                | 11/25/76         | 10             | 9376            | 3016N                                 | 09649E                                 | 30.6         | 145.3        | GGGG              |                     |                      | 144                     | 39                     |
| 2673-03134        | 00000/0000                   | 2-20036/1253                | 11/25/76         | 90             | 9376            | 2850N                                 | 09624E                                 | 31.7         | 144.6        | GGGG              |                     |                      | 144                     | 40                     |
| 2673-03141        | 00000/0000                   | 2-20036/1254                | 11/25/76         | 100            | 9376            | 2724N                                 | 09600E                                 | 32.7         | 143.8        | GGGG              |                     |                      | 144                     | 41                     |
| 2673-03143        | 00000/0000                   | 2-20036/1255                | 11/25/76         | 90             | 9376            | 2557N                                 | 09536E                                 | 33.7         | 142.9        | GGGG              |                     |                      | 144                     | 42                     |
| 2673-03150        | 00000/0000                   | 2-20036/1256                | 11/25/76         | 80             | 9376            | 2431N                                 | 09513E                                 | 34.7         | 142.1        | GGGG              |                     |                      | 144                     | 43                     |
| 2673-03152        | 00000/0000                   | 2-20036/1257                | 11/25/76         | 80             | 9376            | 2305N                                 | 09450E                                 | 35.6         | 141.2        | GGGG              |                     |                      | 144                     | 44                     |
| 2673-03155        | 00000/0000                   | 2-20036/1258                | 11/25/76         | 20             | 9376            | 2138N                                 | 09428E                                 | 36.6         | 140.3        | GGGG              |                     |                      | 144                     | 45                     |
| 2673-03161        | 00000/0000                   | 2-20036/1259                | 11/25/76         | 10             | 9376            | 2012N                                 | 09406E                                 | 37.5         | 139.4        | GGGG              |                     |                      | 144                     | 46                     |
| 2673-04493        | 00000/0000                   | 2-20036/1260                | 11/25/76         | 40             | 9377            | 5419N                                 | 08010E                                 | 12.1         | 157.0        | GGGG              |                     |                      | 162                     | 22                     |
| 2673-04495        | 00000/0000                   | 2-20036/1261                | 11/25/76         | 80             | 9377            | 5255N                                 | 07925E                                 | 13.2         | 156.3        | GGGG              |                     |                      | 162                     | 23                     |
| 2673-04502        | 00000/0000                   | 2-20036/1262                | 11/25/76         | 10             | 9377            | 5131N                                 | 07843E                                 | 14.3         | 155.6        | GGGG              |                     |                      | 162                     | 24                     |
| 2673-04504        | 00000/0000                   | 2-20036/1263                | 11/25/76         | 0              | 9377            | 5007N                                 | 07803E                                 | 15.5         | 154.9        | GGGG              |                     |                      | 162                     | 25                     |
| 2673-04511        | 00000/0000                   | 2-20036/1264                | 11/25/76         | 0              | 9377            | 4843N                                 | 07724E                                 | 16.6         | 154.2        | GGGG              |                     |                      | 162                     | 26                     |
| 2673-04513        | 00000/0000                   | 2-20036/1265                | 11/25/76         | 10             | 9377            | 4718N                                 | 07648E                                 | 17.7         | 153.6        | GGGG              |                     |                      | 162                     | 27                     |
| 2673-04520        | 00000/0000                   | 2-20036/1266                | 11/25/76         | 0              | 9377            | 4553N                                 | 07612E                                 | 18.8         | 152.9        | GGGG              |                     |                      | 162                     | 28                     |
| 2673-04522        | 00000/0000                   | 2-20036/1267                | 11/25/76         | 0              | 9377            | 4428N                                 | 07539E                                 | 19.9         | 152.2        | GGGG              |                     |                      | 162                     | 29                     |
| 2673-04525        | 00000/0000                   | 2-20036/1268                | 11/25/76         | 0              | 9377            | 4304N                                 | 07507E                                 | 21.0         | 151.6        | GGGG              |                     |                      | 162                     | 30                     |
| 2673-04531        | 00000/0000                   | 2-20036/1269                | 11/25/76         | 0              | 9377            | 4139N                                 | 07435E                                 | 22.1         | 150.9        | GGGG              |                     |                      | 162                     | 31                     |
| 2673-04534        | 00000/0000                   | 2-20036/1270                | 11/25/76         | 0              | 9377            | 4013N                                 | 07405E                                 | 23.2         | 150.3        | GGGG              |                     |                      | 162                     | 32                     |
| 2673-04540        | 00000/0000                   | 2-20036/1271                | 11/25/76         | 0              | 9377            | 3848N                                 | 07336E                                 | 24.3         | 149.6        | GGGG              |                     |                      | 162                     | 33                     |
| 2673-04543        | 00000/0000                   | 2-20036/1272                | 11/25/76         | 0              | 9377            | 3723N                                 | 07308E                                 | 25.4         | 148.9        | GGGG              |                     |                      | 162                     | 34                     |
| 2673-04545        | 00000/0000                   | 2-20036/1273                | 11/25/76         | 0              | 9377            | 3557N                                 | 07241E                                 | 26.4         | 148.2        | GGGG              |                     |                      | 162                     | 35                     |
| 2673-04552        | 00000/0000                   | 2-20036/1274                | 11/25/76         | 0              | 9377            | 3432N                                 | 07214E                                 | 27.5         | 147.5        | GGGG              |                     |                      | 162                     | 36                     |
| 2673-04554        | 00000/0000                   | 2-20036/1275                | 11/25/76         | 0              | 9377            | 3306N                                 | 07148E                                 | 28.6         | 146.8        | GGGG              |                     |                      | 162                     | 37                     |
| 2673-04561        | 00000/0000                   | 2-20036/1276                | 11/25/76         | 0              | 9377            | 3139N                                 | 07123E                                 | 29.6         | 146.1        | GGGG              |                     |                      | 162                     | 38                     |
| 2673-04563        | 00000/0000                   | 2-20036/1277                | 11/25/76         | 0              | 9377            | 3013N                                 | 07059E                                 | 30.6         | 145.3        | GGGG              |                     |                      | 162                     | 39                     |
| 2673-04575        | 00000/0000                   | 2-20036/1278                | 11/25/76         | 0              | 9377            | 2856N                                 | 06948E                                 | 33.7         | 142.9        | GGGG              |                     |                      | 162                     | 42                     |
| 2673-04581        | 00000/0000                   | 2-20036/1279                | 11/25/76         | 20             | 9377            | 2729N                                 | 06925E                                 | 34.7         | 142.1        | GGGG              |                     |                      | 162                     | 43                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | SAT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|----------------|------------------------------------------------|------------------|-------------|---------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|------------|---------------------|----------------------|-------------------------|------------------------|
| 2673-04584     | 00000/0000                                     | 2-20036/1280     | 11/25/76    | 40            | 9377                               | 2303N                               | 06902E       | 35.6         | 141.2             |            |                     |                      |                         |                        |
| 2673-04590     | 00000/0000                                     | 2-20036/1281     | 11/25/76    | 30            | 9377                               | 2137N                               | 06840E       | 36.6         | 140.3             | GGGG       |                     |                      | 162                     | 44                     |
| 2673-04593     | 00000/0000                                     | 2-20036/1282     | 11/25/76    | 20            | 9377                               | 2011N                               | 06818E       | 37.8         | 139.4             | GGGG       |                     |                      | 162                     | 45                     |
| 2673-06333     | 00000/0000                                     | 2-20036/1283     | 11/25/76    | 70            | 9378                               | 5132N                               | 05253E       | 14.3         | 155.6             | GGGG       |                     |                      | 162                     | 46                     |
| 2673-06340     | 00000/0000                                     | 2-20036/1284     | 11/25/76    | 70            | 9378                               | 5007N                               | 05213E       | 15.4         | 154.9             | GGGG       |                     |                      | 180                     | 24                     |
| 2673-06342     | 00000/0000                                     | 2-20036/1285     | 11/25/76    | 10            | 9378                               | 4843N                               | 05138E       | 16.6         | 154.2             | GGGF       |                     |                      | 180                     | 25                     |
| 2673-06345     | 00000/0000                                     | 2-20036/1286     | 11/25/76    | 10            | 9378                               | 4718N                               | 05059E       | 17.7         | 153.5             | GGGF       |                     |                      | 180                     | 26                     |
| 2673-06351     | 00000/0000                                     | 2-20036/1287     | 11/25/76    | 20            | 9373                               | 4553N                               | 05024E       | 18.8         | 152.9             | GGGF       |                     |                      | 180                     | 27                     |
| 2673-06354     | 00000/0000                                     | 2-20036/1288     | 11/25/76    | 40            | 9378                               | 4428N                               | 04950E       | 19.9         | 152.2             | GGGF       |                     |                      | 180                     | 28                     |
| 2673-06363     | 00000/0000                                     | 2-20036/1344     | 11/25/76    | 50            | 9378                               | 4138N                               | 04847E       | 22.1         | 150.9             | GGGG       |                     |                      | 180                     | 29                     |
| 2673-06365     | 00000/0000                                     | 2-20036/1345     | 11/25/76    | 30            | 9378                               | 4013N                               | 04817E       | 23.2         | 150.3             | FGGG       |                     |                      | 180                     | 31                     |
| 2673-06372     | 00000/0000                                     | 2-20036/1346     | 11/25/76    | 50            | 9378                               | 3848N                               | 04748E       | 24.3         | 149.6             | GGGF       |                     |                      | 180                     | 32                     |
| 2673-08162     | 00000/0000                                     | 2-20036/1347     | 11/25/76    | 40            | 9379                               | 5257N                               | 02746E       | 13.1         | 156.3             | GGGG       |                     |                      | 180                     | 33                     |
| 2673-08165     | 00000/0000                                     | 2-20036/1348     | 11/25/76    | 60            | 9379                               | 5134N                               | 02704E       | 14.3         | 155.6             | GGGG       |                     |                      | 198                     | 23                     |
| 2673-08171     | 00000/0000                                     | 2-20036/1349     | 11/25/76    | 30            | 9379                               | 5009N                               | 02624E       | 15.4         | 154.9             | FGGG       |                     |                      | 198                     | 24                     |
| 2673-13261     | 00000/0000                                     | 2-20036/1334     | 11/25/76    | 90            | 9382                               | 5256N                               | 04941W       | 13.1         | 156.3             | GGGG       |                     |                      | 198                     | 25                     |
| 2673-13264     | 00000/0000                                     | 2-20036/1335     | 11/25/76    | 70            | 9382                               | 5132N                               | 05023W       | 14.2         | 155.6             | GGGG       |                     |                      | 1                       | 23                     |
| 2673-13270     | 00000/0000                                     | 2-20036/1336     | 11/25/76    | 60            | 9382                               | 5008N                               | 05103W       | 15.4         | 154.9             | GGGG       |                     |                      | 1                       | 24                     |
| 2673-13273     | 00000/0000                                     | 2-20036/1337     | 11/25/76    | 20            | 9382                               | 4843N                               | 05142W       | 16.5         | 154.2             | FGGG       |                     |                      | 1                       | 25                     |
| 2673-13275     | 00000/0000                                     | 2-20036/1338     | 11/25/76    | 60            | 9382                               | 4719N                               | 05218W       | 17.6         | 153.5             | GGGG       |                     |                      | 1                       | 26                     |
| 2673-13282     | 00000/0000                                     | 2-20036/1339     | 11/25/76    | 30            | 9382                               | 4555N                               | 05252W       | 18.7         | 152.9             | GGGG       |                     |                      | 1                       | 27                     |
| 2673-13284     | 00000/0000                                     | 2-20036/1340     | 11/25/76    | 30            | 9382                               | 4430N                               | 05325W       | 19.8         | 152.2             | GGGG       |                     |                      | 1                       | 28                     |
| 2673-13291     | 00000/0000                                     | 2-20036/1341     | 11/25/76    | 40            | 9382                               | 4305N                               | 05357W       | 20.9         | 151.6             | GGGF       |                     |                      | 1                       | 29                     |
| 2673-13293     | 00000/0000                                     | 2-20036/1342     | 11/25/76    | 60            | 9382                               | 4139N                               | 05428W       | 22.0         | 150.9             | GGGG       |                     |                      | 1                       | 30                     |
| 2673-15102     | 00000/0000                                     | 2-20036/1343     | 11/25/76    | 20            | 9383                               | 5009N                               | 07653W       | 15.4         | 154.9             | GGGG       |                     |                      | 1                       | 31                     |
| 2673-15484     | 2-20037/1363                                   | 00000/0000       | 11/25/76    | 50            | 9383                               | 7837S                               | 14830W       | 20.8         | 92.6              | GGG        |                     |                      | 19                      | 25                     |
| 2673-15490     | 2-20037/1364                                   | 00000/0000       | 11/25/76    | 80            | 9383                               | 7928S                               | 15450W       | 19.7         | 98.4              | GGG        |                     |                      | 19                      | 117                    |
| 2673-15493     | 2-20037/1365                                   | 00000/0000       | 11/25/76    | 50            | 9383                               | 8010S                               | 16210W       | 18.6         | 105.2             | GGG        |                     |                      | 19                      | 118                    |
| 2674-00102     | 00000/0000                                     | 2-20036/1350     | 11/26/76    | 90            | 9388                               | 3141S                               | 13140E       | 50.7         | 84.8              | GGGG       |                     |                      | 19                      | 119                    |
| 2674-01334     | 00000/0000                                     | 2-20036/1351     | 11/26/76    | 50            | 9389                               | 3722N                               | 12320E       | 25.2         | 148.9             | GGGG       |                     |                      | 109                     | 82                     |
| 2674-01352     | 00000/0000                                     | 2-20036/1352     | 11/26/76    | 10            | 9389                               | 3139N                               | 12134E       | 29.4         | 146.1             | GGGG       |                     |                      | 127                     | 34                     |
| 2674-01354     | 00000/0000                                     | 2-20036/1353     | 11/26/76    | 0             | 9389                               | 3013N                               | 12109E       | 30.5         | 145.4             | GGFG       |                     |                      | 127                     | 38                     |
| 2674-01361     | 00000/0000                                     | 2-20036/1354     | 11/26/76    | 0             | 9389                               | 2847N                               | 12045E       | 31.5         | 144.6             | GGGG       |                     |                      | 127                     | 39                     |
| 2674-01363     | 00000/0000                                     | 2-20036/1355     | 11/26/76    | 10            | 9389                               | 2722N                               | 12022E       | 32.5         | 143.8             | GGGG       |                     |                      | 127                     | 40                     |
| 2674-03151     | 00000/0000                                     | 2-20036/1522     | 11/26/76    | 20            | 9390                               | 4306N                               | 09932E       | 20.8         | 151.6             | GGFG       |                     |                      | 127                     | 41                     |
| 2674-03154     | 00000/0000                                     | 2-20036/1523     | 11/26/76    | 10            | 9390                               | 4141N                               | 09900E       | 21.9         | 151.0             | GGGG       |                     |                      | 145                     | 36                     |
|                |                                                |                  |             |               |                                    |                                     |              |              |                   |            |                     |                      | 145                     | 31                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN RLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2674-03160        | 00000/0000                   | 2-20036/1524               | 11/26/76         | 30             | 9390            | 4016N                                   | 09A30E       | 23.0         | 150.3                              | GGGG                |                      | 145                     | 32                     |
| 2674-03163        | 00000/0000                   | 2-20036/1525               | 11/26/76         | 0              | 9390            | 3851N                                   | 09A01E       | 24.1         | 149.6                              | GGGG                |                      | 145                     | 33                     |
| 2674-03174        | 00000/0000                   | 2-20036/1526               | 11/26/76         | 0              | 9390            | 3434N                                   | 09639E       | 27.3         | 147.6                              | GGGG                |                      | 145                     | 34                     |
| 2674-03181        | 00000/0000                   | 2-20036/1527               | 11/26/76         | 10             | 9390            | 3309N                                   | 09613E       | 28.3         | 146.9                              | GGGG                |                      | 145                     | 37                     |
| 2674-03183        | 00000/0000                   | 2-20036/1528               | 11/26/76         | 30             | 9390            | 3144N                                   | 09548E       | 29.4         | 146.1                              | GGGG                |                      | 145                     | 38                     |
| 2674-03190        | 00000/0000                   | 2-20036/1529               | 11/26/76         | 80             | 9390            | 3018N                                   | 09523E       | 30.4         | 145.4                              | GGGG                |                      | 145                     | 39                     |
| 2674-03192        | 00000/0000                   | 2-20036/1530               | 11/26/76         | 90             | 9390            | 2852N                                   | 09458E       | 31.4         | 144.6                              | GGGG                |                      | 145                     | 40                     |
| 2674-03195        | 00000/0000                   | 2-20036/1531               | 11/26/76         | 90             | 9390            | 2725N                                   | 09434E       | 32.5         | 143.8                              | GGGG                |                      | 145                     | 41                     |
| 2674-03201        | 00000/0000                   | 2-20036/1532               | 11/26/76         | 80             | 9390            | 09411E                                  | 09411E       | 33.5         | 143.0                              | GGFG                |                      | 145                     | 42                     |
| 2674-03204        | 00000/0000                   | 2-20036/1533               | 11/26/76         | 100            | 9390            | 2432N                                   | 09348E       | 34.4         | 142.2                              | GGGG                |                      | 145                     | 43                     |
| 2674-03210        | 00000/0000                   | 2-20036/1534               | 11/26/76         | 90             | 9390            | 2306N                                   | 09325E       | 35.4         | 141.3                              | GGGG                |                      | 145                     | 44                     |
| 2674-03213        | 00000/0000                   | 2-20036/1535               | 11/26/76         | 60             | 9390            | 2140N                                   | 09303E       | 36.4         | 140.4                              | GGGG                |                      | 145                     | 45                     |
| 2674-03215        | 00000/0000                   | 2-20036/1536               | 11/26/76         | 70             | 9390            | 2014N                                   | 09241E       | 37.3         | 139.5                              | GGGG                |                      | 145                     | 46                     |
| 2674-04553        | 00000/0000                   | 2-20036/1537               | 11/26/76         | 10             | 9391            | 5258N                                   | 07A00E       | 13.0         | 156.3                              | GGGG                |                      | 163                     | 23                     |
| 2674-04560        | 00000/0000                   | 2-20036/1538               | 11/26/76         | 10             | 9391            | 5134N                                   | 07717E       | 14.1         | 155.6                              | GGGG                |                      | 163                     | 24                     |
| 2674-04562        | 00000/0000                   | 2-20036/1539               | 11/26/76         | 0              | 9391            | 5010N                                   | 07637E       | 15.2         | 154.9                              | GGGG                |                      | 163                     | 25                     |
| 2674-04565        | 00000/0000                   | 2-20036/1540               | 11/26/76         | 0              | 9391            | 4845N                                   | 07558E       | 16.3         | 154.2                              | GGGG                |                      | 163                     | 26                     |
| 2674-04571        | 00000/0000                   | 2-20036/1541               | 11/26/76         | 0              | 9391            | 4721N                                   | 07522E       | 17.5         | 153.6                              | GGGG                |                      | 163                     | 27                     |
| 2674-04585        | 00000/0000                   | 2-20036/1542               | 11/26/76         | 0              | 9391            | 4411N                                   | 07311E       | 21.9         | 151.0                              | GGGG                |                      | 163                     | 31                     |
| 2674-04592        | 00000/0000                   | 2-20036/1543               | 11/26/76         | 0              | 9391            | 4016N                                   | 07241E       | 23.0         | 150.3                              | GGGG                |                      | 163                     | 32                     |
| 2674-04594        | 00000/0000                   | 2-20036/1544               | 11/26/76         | 10             | 9391            | 3850N                                   | 07212E       | 24.1         | 149.6                              | GGGG                |                      | 163                     | 33                     |
| 2674-05001        | 00000/0000                   | 2-20036/1545               | 11/26/76         | 10             | 9391            | 3725N                                   | 07144E       | 25.1         | 149.0                              | GGGG                |                      | 163                     | 34                     |
| 2674-05003        | 00000/0000                   | 2-20036/1546               | 11/26/76         | 10             | 9391            | 3600N                                   | 07116E       | 26.2         | 148.3                              | GGGG                |                      | 163                     | 35                     |
| 2674-05010        | 00000/0000                   | 2-20036/1547               | 11/26/76         | 0              | 9391            | 3434N                                   | 07049E       | 27.3         | 147.6                              | GGGG                |                      | 163                     | 36                     |
| 2674-05012        | 00000/0000                   | 2-20036/1548               | 11/26/76         | 0              | 9391            | 3308N                                   | 07023E       | 28.3         | 146.9                              | GGGG                |                      | 163                     | 37                     |
| 2674-05015        | 00000/0000                   | 2-20036/1549               | 11/26/76         | 0              | 9391            | 3142N                                   | 06958E       | 29.4         | 146.1                              | GGGG                |                      | 163                     | 38                     |
| 2674-05021        | 00000/0000                   | 2-20036/1550               | 11/26/76         | 0              | 9391            | 3016N                                   | 06933E       | 30.4         | 145.4                              | GGGG                |                      | 163                     | 39                     |
| 2674-05024        | 00000/0000                   | 2-20036/1551               | 11/26/76         | 0              | 9391            | 2850N                                   | 06909E       | 31.4         | 144.6                              | GGGG                |                      | 163                     | 40                     |
| 2674-05030        | 00000/0000                   | 2-20036/1552               | 11/26/76         | 0              | 9391            | 2724N                                   | 06846E       | 32.4         | 143.8                              | GGGG                |                      | 163                     | 41                     |
| 2674-05033        | 00000/0000                   | 2-20036/1553               | 11/26/76         | 0              | 9391            | 2558N                                   | 06822E       | 33.4         | 143.0                              | GGGG                |                      | 163                     | 42                     |
| 2674-05035        | 00000/0000                   | 2-20036/1554               | 11/26/76         | 0              | 9391            | 2432N                                   | 06800E       | 34.4         | 142.2                              | GGGG                |                      | 163                     | 43                     |
| 2674-05042        | 00000/0000                   | 2-20036/1555               | 11/26/76         | 0              | 9391            | 2306N                                   | 06737E       | 35.4         | 141.3                              | GGGG                |                      | 163                     | 44                     |
| 2674-05044        | 00000/0000                   | 2-20036/1556               | 11/26/76         | 10             | 9391            | 2139N                                   | 06715E       | 36.4         | 140.4                              | GGGG                |                      | 163                     | 45                     |
| 2674-05051        | 00000/0000                   | 2-20036/1557               | 11/26/76         | 10             | 9391            | 2013N                                   | 06653E       | 37.3         | 139.5                              | GGGG                |                      | 163                     | 46                     |
| 2674-06421        | 00000/0000                   | 2-20036/1357               | 11/26/76         | 60             | 9392            | 4140N                                   | 04722E       | 21.9         | 150.9                              | GGGG                |                      | 181                     | 31                     |
| 2674-06423        | 00000/0000                   | 2-20036/1358               | 11/26/76         | 50             | 9392            | 4015N                                   | 04652E       | 23.0         | 150.3                              | GGGG                |                      | 181                     | 32                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | FILE<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV.<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-------------------------|-----------------------------|------------------|----------------|------------------------|-----------------------------------|-----------------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2674-06430        | 00000/0000              | 2-20036/1359                | 11/26/76         | 20             | 9392                   | 3850N                             | 04623E                | 24.0 149.6                         | GGGG                |                      | 181                     | 33                     |
| 2674-08221        | 00000/0000              | 2-20036/1360                | 11/26/76         | 100            | 9393                   | 5256N                             | 02420E                | 12.9 156.2                         | GGGG                |                      | 199                     | 23                     |
| 2674-08223        | 00000/0000              | 2-20036/1361                | 11/26/76         | 90             | 9393                   | 5133N                             | 02438E                | 14.1 155.5                         | GGGG                |                      | 199                     | 24                     |
| 2674-08230        | 00000/0000              | 2-20036/1362                | 11/26/76         | 80             | 9393                   | 5009N                             | 02458E                | 15.2 154.9                         | GGGG                |                      | 199                     | 25                     |
| 2674-13315        | 00000/0000              | 2-20036/1236                | 11/26/76         | 90             | 9396                   | 5259N                             | 05103W                | 12.9 156.2                         | GGGG                |                      | 2                       | 23                     |
| 2674-13322        | 00000/0000              | 2-20036/1237                | 11/26/76         | 90             | 9396                   | 5135N                             | 05145W                | 14.0 155.5                         | GGGG                |                      | 2                       | 24                     |
| 2674-13324        | 00000/0000              | 2-20036/1238                | 11/26/76         | 80             | 9396                   | 5011N                             | 05225W                | 15.1 154.9                         | GGGG                |                      | 2                       | 25                     |
| 2674-13331        | 00000/0000              | 2-20036/1239                | 11/26/76         | 90             | 9396                   | 4847N                             | 05303W                | 16.3 154.2                         | GGGG                |                      | 2                       | 26                     |
| 2674-13333        | 00000/0000              | 2-20036/1240                | 11/26/76         | 60             | 9396                   | 4722N                             | 05340W                | 17.4 153.5                         | GGGG                |                      | 2                       | 27                     |
| 2674-13340        | 00000/0000              | 2-20036/1241                | 11/26/76         | 60             | 9396                   | 4557N                             | 05416W                | 18.5 152.9                         | GGGG                |                      | 2                       | 28                     |
| 2674-13342        | 00000/0000              | 2-20036/1242                | 11/26/76         | 60             | 9396                   | 4432N                             | 05450W                | 19.6 152.3                         | GGGG                |                      | 2                       | 29                     |
| 2674-13345        | 00000/0000              | 2-20036/1243                | 11/26/76         | 60             | 9396                   | 4307N                             | 05522W                | 20.7 151.6                         | GGGG                |                      | 2                       | 30                     |
| 2674-13351        | 00000/0000              | 2-20036/1244                | 11/26/76         | 60             | 9396                   | 4142N                             | 05553W                | 21.8 151.0                         | GGGG                |                      | 2                       | 31                     |
| 2674-15544        | 2-20037/1367            | 00000/0000                  | 11/26/76         | 90             | 9397                   | 7926S                             | 15548W                | 19.9 98.1                          | GGG                 |                      | 20                      | 118                    |
| 2674-15551        | 2-20037/1368            | 00000/0000                  | 11/26/76         | 90             | 9397                   | 8008S                             | 16301W                | 18.8 104.8                         | GGG                 |                      | 20                      | 119                    |
| 2674-15591        | 00000/0000              | 2-20036/1356                | 11/26/76         | 40             | 9398                   | 5011N                             | 10406W                | 15.1 154.9                         | GGGG                |                      | 38                      | 25                     |
| 2675-01392        | 00000/0000              | 2-20036/1363                | 11/27/76         | 50             | 9403                   | 3723N                             | 12153E                | 25.0 149.0                         | GGGG                |                      | 128                     | 34                     |
| 2675-01394        | 00000/0000              | 2-20036/1364                | 11/27/76         | 30             | 9403                   | 3558N                             | 12125E                | 26.0 148.3                         | GGGG                |                      | 128                     | 35                     |
| 2675-01401        | 00000/0000              | 2-20036/1365                | 11/27/76         | 40             | 9403                   | 3433N                             | 12059E                | 27.1 147.6                         | GGGG                |                      | 128                     | 36                     |
| 2675-01403        | 00000/0000              | 2-20036/1366                | 11/27/76         | 20             | 9403                   | 3308N                             | 12033E                | 28.1 146.9                         | GGGG                |                      | 128                     | 37                     |
| 2675-01410        | 00000/0000              | 2-20036/1367                | 11/27/76         | 0              | 9403                   | 3142N                             | 12008E                | 29.2 146.2                         | GGGG                |                      | 128                     | 38                     |
| 2675-01412        | 00000/0000              | 2-20036/1368                | 11/27/76         | 0              | 9403                   | 3016N                             | 11943E                | 30.2 145.4                         | GGGG                |                      | 128                     | 39                     |
| 2675-01421        | 00000/0000              | 2-20036/1369                | 11/27/76         | 60             | 9403                   | 2723N                             | 11856E                | 32.3 143.9                         | GGGG                |                      | 128                     | 41                     |
| 2675-01424        | 00000/0000              | 2-20036/1370                | 11/27/76         | 60             | 9403                   | 2557N                             | 11833E                | 33.3 143.1                         | GGGG                |                      | 128                     | 42                     |
| 2675-01430        | 00000/0000              | 2-20036/1371                | 11/27/76         | 20             | 9403                   | 2432N                             | 11810E                | 34.3 142.2                         | GGGG                |                      | 128                     | 43                     |
| 2675-03203        | 00000/0000              | 2-20036/1289                | 11/27/76         | 30             | 9404                   | 4430N                             | 09836E                | 19.5 152.2                         | GGGG                |                      | 146                     | 29                     |
| 2675-03205        | 00000/0000              | 2-20036/1290                | 11/27/76         | 20             | 9404                   | 4305N                             | 09804E                | 20.6 151.6                         | GGGG                |                      | 146                     | 30                     |
| 2675-03212        | 00000/0000              | 2-20036/1291                | 11/27/76         | 0              | 9404                   | 4140N                             | 09732E                | 21.7 150.9                         | GGGG                |                      | 146                     | 31                     |
| 2675-03214        | 00000/0000              | 2-20036/1292                | 11/27/76         | 0              | 9404                   | 4015N                             | 09702E                | 22.8 150.3                         | GGGG                |                      | 146                     | 32                     |
| 2675-03221        | 00000/0000              | 2-20036/1293                | 11/27/76         | 10             | 9404                   | 3850N                             | 09633E                | 23.9 149.6                         | GGGG                |                      | 146                     | 33                     |
| 2675-03223        | 00000/0000              | 2-20036/1294                | 11/27/76         | 20             | 9404                   | 3724N                             | 09605E                | 25.0 149.0                         | GGGG                |                      | 146                     | 34                     |
| 2675-03230        | 00000/0000              | 2-20036/1295                | 11/27/76         | 30             | 9404                   | 3559N                             | 09538E                | 26.0 148.3                         | GGGG                |                      | 146                     | 35                     |
| 2675-03232        | 00000/0000              | 2-20036/1296                | 11/27/76         | 10             | 9404                   | 3433N                             | 09512E                | 27.1 147.6                         | GGGG                |                      | 146                     | 36                     |
| 2675-03235        | 00000/0000              | 2-20036/1297                | 11/27/76         | 10             | 9404                   | 3307N                             | 09445E                | 28.1 146.9                         | GGGG                |                      | 146                     | 37                     |
| 2675-03241        | 00000/0000              | 2-20036/1298                | 11/27/76         | 20             | 9404                   | 3142N                             | 09420E                | 29.2 146.2                         | GGGG                |                      | 146                     | 38                     |
| 2675-03244        | 00000/0000              | 2-20036/1299                | 11/27/76         | 60             | 9404                   | 3016N                             | 09355E                | 30.2 145.4                         | GGGG                |                      | 146                     | 39                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>PERCENT | SUN<br>ELEV. | SUN<br>AZIM. | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|------------------------|--------------|--------------|-----------------------------------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2675-03250        | 00000/0000 2-20036/1300                        | 11/27/76         | 70                     | 9404         | 2850N        | 09331E                                  | 31.2 144.6        | GGGG                |                      | 146                     | 40                     |
| 2675-03253        | 00000/0000 2-20036/1301                        | 11/27/76         | 50                     | 9404         | 2724N        | 09307E                                  | 32.3 143.9        | GGGG                |                      | 146                     | 41                     |
| 2675-03255        | 00000/0000 2-20036/1302                        | 11/27/76         | 70                     | 9404         | 2558N        | 09244E                                  | 33.3 143.1        | GGGG                |                      | 146                     | 42                     |
| 2675-03262        | 00000/0000 2-20036/1303                        | 11/27/76         | 90                     | 9404         | 2432N        | 09221E                                  | 34.3 142.2        | GGGF                |                      | 146                     | 43                     |
| 2675-03264        | 00000/0000 2-20036/1304                        | 11/27/76         | 90                     | 9404         | 2306N        | 09158E                                  | 35.2 141.4        | GGGG                |                      | 146                     | 44                     |
| 2675-03271        | 00000/0000 2-20036/1305                        | 11/27/76         | 100                    | 9404         | 2140N        | 09126E                                  | 36.2 140.5        | GGGG                |                      | 146                     | 45                     |
| 2675-03273        | 00000/0000 2-20036/1306                        | 11/27/76         | 100                    | 9404         | 2013N        | 09114E                                  | 37.1 139.5        | GGGG                |                      | 146                     | 46                     |
| 2675-03280        | 00000/0000 2-20036/1307                        | 11/27/76         | 100                    | 9404         | 1846N        | 09053E                                  | 38.1 138.6        | GGGG                |                      | 146                     | 47                     |
| 2675-03282        | 00000/0000 2-20036/1308                        | 11/27/76         | 100                    | 9404         | 1720N        | 09032E                                  | 39.0 137.6        | GGGG                |                      | 146                     | 48                     |
| 2675-05005        | 00000/0000 2-20036/1309                        | 11/27/76         | 0                      | 9405         | 5422N        | 07720E                                  | 11.6 156.9        | GGGG                |                      | 164                     | 22                     |
| 2675-05012        | 00000/0000 2-20036/1310                        | 11/27/76         | 0                      | 9405         | 5258N        | 07635E                                  | 12.8 156.2        | GGGF                |                      | 164                     | 23                     |
| 2675-05014        | 00000/0000 2-20036/1311                        | 11/27/76         | 0                      | 9405         | 5133N        | 07552E                                  | 13.9 155.5        | GGGG                |                      | 164                     | 24                     |
| 2675-05021        | 00000/0000 2-20036/1312                        | 11/27/76         | 0                      | 9405         | 5009N        | 07512E                                  | 15.0 154.8        | GGGG                |                      | 164                     | 25                     |
| 2675-05023        | 00000/0000 2-20036/1313                        | 11/27/76         | 0                      | 9405         | 4844N        | 07433E                                  | 16.1 154.2        | GGGG                |                      | 164                     | 26                     |
| 2675-05030        | 00000/0000 2-20036/1314                        | 11/27/76         | 0                      | 9405         | 4719N        | 07357E                                  | 17.3 153.5        | GGGG                |                      | 164                     | 27                     |
| 2675-05032        | 00000/0000 2-20036/1315                        | 11/27/76         | 10                     | 9405         | 4555N        | 07322E                                  | 18.4 152.9        | GGGG                |                      | 164                     | 28                     |
| 2675-05035        | 00000/0000 2-20036/1316                        | 11/27/76         | 10                     | 9405         | 4430N        | 07248E                                  | 19.5 152.2        | GGGG                |                      | 164                     | 29                     |
| 2675-05041        | 00000/0000 2-20036/1317                        | 11/27/76         | 10                     | 9405         | 4305N        | 07216E                                  | 20.6 151.6        | GGGG                |                      | 164                     | 30                     |
| 2675-05044        | 00000/0000 2-20036/1318                        | 11/27/76         | 10                     | 9405         | 4140N        | 07144E                                  | 21.7 150.9        | GGGG                |                      | 164                     | 31                     |
| 2675-05050        | 00000/0000 2-20036/1319                        | 11/27/76         | 10                     | 9405         | 4015N        | 07114E                                  | 22.8 150.3        | GGGG                |                      | 164                     | 32                     |
| 2675-05053        | 00000/0000 2-20036/1320                        | 11/27/76         | 10                     | 9405         | 3840N        | 07045E                                  | 23.9 149.6        | GGGG                |                      | 164                     | 33                     |
| 2675-05055        | 00000/0000 2-20036/1321                        | 11/27/76         | 10                     | 9405         | 3724N        | 07017E                                  | 24.9 149.0        | GGGG                |                      | 164                     | 34                     |
| 2675-05062        | 00000/0000 2-20036/1322                        | 11/27/76         | 10                     | 9405         | 3558N        | 06950E                                  | 26.0 148.3        | GGGG                |                      | 164                     | 35                     |
| 2675-05064        | 00000/0000 2-20036/1323                        | 11/27/76         | 0                      | 9405         | 3432N        | 06923E                                  | 27.1 147.6        | GGGG                |                      | 164                     | 36                     |
| 2675-05071        | 00000/0000 2-20036/1324                        | 11/27/76         | 0                      | 9405         | 3307N        | 06857E                                  | 28.1 146.9        | GGGG                |                      | 164                     | 37                     |
| 2675-05073        | 00000/0000 2-20036/1325                        | 11/27/76         | 0                      | 9405         | 3141N        | 06832E                                  | 29.2 146.2        | GGGG                |                      | 164                     | 38                     |
| 2675-05080        | 00000/0000 2-20036/1326                        | 11/27/76         | 0                      | 9405         | 3015N        | 06808E                                  | 30.2 145.4        | GGGG                |                      | 164                     | 39                     |
| 2675-05082        | 00000/0000 2-20036/1327                        | 11/27/76         | 0                      | 9405         | 2849N        | 06744E                                  | 31.2 144.6        | FFFF                |                      | 164                     | 40                     |
| 2675-05085        | 00000/0000 2-20036/1328                        | 11/27/76         | 0                      | 9405         | 2723N        | 06720E                                  | 32.3 143.9        | PGGG                |                      | 164                     | 41                     |
| 2675-05091        | 00000/0000 2-20036/1329                        | 11/27/76         | 0                      | 9405         | 2546N        | 06657E                                  | 33.3 143.1        | GGGG                |                      | 164                     | 42                     |
| 2675-05094        | 00000/0000 2-20036/1330                        | 11/27/76         | 0                      | 9405         | 2430N        | 06634E                                  | 34.2 142.2        | FGGG                |                      | 164                     | 43                     |
| 2675-05100        | 00000/0000 2-20036/1331                        | 11/27/76         | 0                      | 9405         | 2304N        | 06611E                                  | 35.2 141.4        | FGGG                |                      | 164                     | 44                     |
| 2675-05103        | 00000/0000 2-20036/1332                        | 11/27/76         | 0                      | 9405         | 2178N        | 06548E                                  | 36.2 140.5        | FGGF                |                      | 164                     | 45                     |
| 2675-05105        | 00000/0000 2-20036/1333                        | 11/27/76         | 0                      | 9405         | 2012N        | 06526E                                  | 37.1 139.6        | FGGG                |                      | 164                     | 46                     |
| 2675-06470        | 00000/0000 2-20036/1575                        | 11/27/76         | 90                     | 9406         | 4430N        | 04701E                                  | 19.5 152.2        | GGGG                |                      | 182                     | 29                     |
| 2675-06473        | 00000/0000 2-20036/1389                        | 11/27/76         | 90                     | 9406         | 4305N        | 04628E                                  | 20.6 151.6        | GGGG                |                      | 182                     | 30                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 26, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RST<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|---------------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2675-06475        | 00000/0000                   | 2-20036/1390               | 11/27/76         | 90             | 9406                | 4140N                                   | 04557E       | 21.7         | 150.9                              | GGGG                |                      | 182                     | 31                     |
| 2675-06482        | 00000/0000                   | 2-20036/1391               | 11/27/76         | 50             | 9406                | 4014N                                   | 04526E       | 22.8         | 150.3                              | GGG                 |                      | 182                     | 32                     |
| 2675-06484        | 00000/0000                   | 2-20036/1392               | 11/27/76         | 10             | 9406                | 3849N                                   | 04458E       | 23.9         | 149.6                              | GGGG                |                      | 182                     | 33                     |
| 2675-08284        | 00000/0000                   | 2-20036/1393               | 11/27/76         | 90             | 9407                | 5007N                                   | 02332E       | 15.0         | 154.8                              | GGGG                |                      | 200                     | 25                     |
| 2675-08290        | 00000/0000                   | 2-20036/1394               | 11/27/76         | 90             | 9407                | 4843N                                   | 02254E       | 16.1         | 154.2                              | GGGG                |                      | 200                     | 26                     |
| 2675-13371        | 00000/0000                   | 2-20036/1379               | 11/27/76         | 90             | 9410                | 5422N                                   | 05142W       | 11.6         | 156.9                              | GGGG                |                      | 3                       | 28                     |
| 2675-13373        | 00000/0000                   | 2-20036/1380               | 11/27/76         | 70             | 9410                | 5258N                                   | 05233W       | 12.7         | 156.2                              | GGGG                |                      | 3                       | 29                     |
| 2675-13380        | 00000/0000                   | 2-20036/1381               | 11/27/76         | 80             | 9410                | 5134N                                   | 05316W       | 13.8         | 155.5                              | GGGG                |                      | 3                       | 30                     |
| 2675-13382        | 00000/0000                   | 2-20036/1382               | 11/27/76         | 60             | 9410                | 5010N                                   | 05355W       | 14.9         | 154.8                              | GGGG                |                      | 3                       | 31                     |
| 2675-13385        | 00000/0000                   | 2-20036/1383               | 11/27/76         | 60             | 9410                | 4846N                                   | 05432W       | 16.1         | 154.2                              | GGGG                |                      | 3                       | 32                     |
| 2675-13391        | 00000/0000                   | 2-20036/1384               | 11/27/76         | 70             | 9410                | 4722N                                   | 05507W       | 17.2         | 153.5                              | GGGG                |                      | 3                       | 33                     |
| 2675-13394        | 00000/0000                   | 2-20036/1385               | 11/27/76         | 80             | 9410                | 4557N                                   | 05542W       | 18.3         | 152.9                              | GGGG                |                      | 3                       | 34                     |
| 2675-13400        | 00000/0000                   | 2-20036/1386               | 11/27/76         | 80             | 9410                | 4432N                                   | 05616W       | 19.4         | 152.2                              | GGGG                |                      | 3                       | 35                     |
| 2675-13403        | 00000/0000                   | 2-20036/1387               | 11/27/76         | 50             | 9410                | 4306N                                   | 05648W       | 20.5         | 151.6                              | GGGG                |                      | 3                       | 36                     |
| 2675-13405        | 00000/0000                   | 2-20036/1388               | 11/27/76         | 80             | 9410                | 4141N                                   | 05720W       | 21.6         | 150.9                              | GGGG                |                      | 3                       | 37                     |
| 2675-17034        | 00000/0000                   | 2-20036/0285               | 11/27/76         | 50             | 9412                | 5422N                                   | 10325W       | 11.5         | 156.9                              | GGGG                |                      | 39                      | 22                     |
| 2675-17041        | 00000/0000                   | 2-20036/0287               | 11/27/76         | 60             | 9412                | 5258N                                   | 10410W       | 12.7         | 156.2                              | GGFF                |                      | 39                      | 23                     |
| 2675-17043        | 00000/0000                   | 2-20036/0288               | 11/27/76         | 50             | 9412                | 5134N                                   | 10453W       | 13.8         | 155.5                              | GGFG                |                      | 39                      | 24                     |
| 2675-17111        | 00000/0000                   | 2-20036/0289               | 11/27/76         | 50             | 9412                | 2850N                                   | 11258W       | 31.1         | 144.7                              | GGGG                |                      | 39                      | 40                     |
| 2675-17114        | 00000/0000                   | 2-20036/0293               | 11/27/76         | 20             | 9412                | 2724N                                   | 11322W       | 32.2         | 143.9                              | GG                  |                      | 39                      | 41                     |
| 2675-17120        | 00000/0000                   | 2-20036/0290               | 11/27/76         | 60             | 9412                | 2558N                                   | 11345W       | 33.2         | 143.1                              | GGGG                | H                    | 39                      | 42                     |
| 2675-17123        | 00000/0000                   | 2-20036/0291               | 11/27/76         | 70             | 9412                | 2431N                                   | 11408W       | 34.1         | 142.2                              | GGGG                | H                    | 39                      | 43                     |
| 2675-17125        | 00000/0000                   | 2-20036/0292               | 11/27/76         | 60             | 9412                | 2305N                                   | 11431W       | 35.1         | 141.4                              | GGGG                | H                    | 39                      | 44                     |
| 2676-01450        | 00000/0000                   | 2-20036/1395               | 11/28/76         | 10             | 9417                | 3724N                                   | 12030E       | 24.8         | 149.0                              | GGGG                |                      | 129                     | 34                     |
| 2676-01453        | 00000/0000                   | 2-20036/1396               | 11/28/76         | 0              | 9417                | 3559N                                   | 12002E       | 25.8         | 148.3                              | GGGG                |                      | 129                     | 35                     |
| 2676-01455        | 00000/0000                   | 2-20036/1397               | 11/28/76         | 0              | 9417                | 3433N                                   | 11935E       | 26.9         | 147.6                              | GGGG                |                      | 129                     | 36                     |
| 2676-01462        | 00000/0000                   | 2-20036/1398               | 11/28/76         | 10             | 9417                | 3308N                                   | 11910E       | 28.0         | 146.9                              | GGGG                |                      | 129                     | 37                     |
| 2676-01464        | 00000/0000                   | 2-20036/1399               | 11/28/76         | 40             | 9417                | 3141N                                   | 11844E       | 29.0         | 146.2                              | GGGG                |                      | 129                     | 38                     |
| 2676-01471        | 00000/0000                   | 2-20036/1400               | 11/28/76         | 20             | 9417                | 3015N                                   | 11819E       | 30.0         | 145.4                              | GGGG                |                      | 129                     | 39                     |
| 2676-01473        | 00000/0000                   | 2-20036/1401               | 11/28/76         | 10             | 9417                | 2848N                                   | 11755E       | 31.1         | 144.7                              | GGGG                |                      | 129                     | 40                     |
| 2676-01480        | 00000/0000                   | 2-20036/1402               | 11/28/76         | 0              | 9417                | 2722N                                   | 11731E       | 32.1         | 143.9                              | GGGG                |                      | 129                     | 41                     |
| 2676-01482        | 00000/0000                   | 2-20036/1403               | 11/28/76         | 10             | 9417                | 2557N                                   | 11708E       | 33.1         | 143.1                              | GGGG                |                      | 129                     | 42                     |
| 2676-01485        | 00000/0000                   | 2-20036/1404               | 11/28/76         | 10             | 9417                | 2431N                                   | 11646E       | 34.1         | 142.3                              | GGGG                |                      | 129                     | 43                     |
| 2676-01491        | 00000/0000                   | 2-20036/1405               | 11/28/76         | 10             | 9417                | 2305N                                   | 11624E       | 35.1         | 141.4                              | GGGG                |                      | 129                     | 44                     |
| 2676-03261        | 00000/0000                   | 2-20036/1406               | 11/28/76         | 10             | 9418                | 4428N                                   | 09710E       | 19.3         | 152.2                              | PPPP                |                      | 147                     | 29                     |
| 2676-03270        | 00000/0000                   | 2-20036/1407               | 11/28/76         | 20             | 9418                | 4139N                                   | 09607E       | 21.5         | 150.9                              | PPPP                |                      | 147                     | 31                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2676-03273        | 00000/0000                                     | 2-20036/1408     | 11/28/76       | 0                      | 9418                         | 4013N         | 09537E       | 22.6         | 150.3                 | FFFF                |                      | 147                     | 32                     |
| 2676-03275        | 00000/0000                                     | 2-20036/1409     | 11/28/76       | 0                      | 9418                         | 3848N         | 09508E       | 23.7         | 149.6                 | FFFF                |                      | 147                     | 33                     |
| 2676-03282        | 00000/0000                                     | 2-20036/1410     | 11/28/76       | 10                     | 9418                         | 3723N         | 09440E       | 24.8         | 149.0                 | FFFF                |                      | 147                     | 34                     |
| 2676-03284        | 00000/0000                                     | 2-20036/1411     | 11/28/76       | 0                      | 9418                         | 3557N         | 09412E       | 25.8         | 148.3                 | FGFG                |                      | 147                     | 35                     |
| 2676-03291        | 00000/0000                                     | 2-20036/1412     | 11/28/76       | 30                     | 9418                         | 3431N         | 09346E       | 26.9         | 147.6                 | FFFF                |                      | 147                     | 36                     |
| 2676-03293        | 00000/0000                                     | 2-20036/1413     | 11/28/76       | 60                     | 9418                         | 3306N         | 09320E       | 28.0         | 146.9                 | FGFF                |                      | 147                     | 37                     |
| 2676-03300        | 00000/0000                                     | 2-20036/1414     | 11/28/76       | 50                     | 9418                         | 3140N         | 09254E       | 29.0         | 146.2                 | FFFF                |                      | 147                     | 38                     |
| 2676-03302        | 00000/0000                                     | 2-20036/1415     | 11/28/76       | 20                     | 9418                         | 3014N         | 09229E       | 30.0         | 145.4                 | GGGG                |                      | 147                     | 39                     |
| 2676-03305        | 00000/0000                                     | 2-20036/1416     | 11/28/76       | 10                     | 9418                         | 2849N         | 09205E       | 31.1         | 144.7                 | GGGG                |                      | 147                     | 40                     |
| 2676-03311        | 00000/0000                                     | 2-20036/1417     | 11/28/76       | 80                     | 9418                         | 2723N         | 09141E       | 32.1         | 143.9                 | GGGF                |                      | 147                     | 41                     |
| 2676-03320        | 00000/0000                                     | 2-20036/1418     | 11/28/76       | 30                     | 9418                         | 2431N         | 09055E       | 34.1         | 142.3                 | FFGG                |                      | 147                     | 43                     |
| 2676-03325        | 00000/0000                                     | 2-20036/1419     | 11/28/76       | 80                     | 9418                         | 2138N         | 09011E       | 36.0         | 140.5                 | FFFF                |                      | 147                     | 45                     |
| 2676-03334        | 00000/0000                                     | 2-20036/1420     | 11/28/76       | 90                     | 9418                         | 1844N         | 08927E       | 37.9         | 138.7                 | GGGG                |                      | 147                     | 47                     |
| 2676-05063        | 00000/0000                                     | 2-20036/1421     | 11/28/76       | 50                     | 9419                         | 5424N         | 07555E       | 11.4         | 156.9                 | FGGG                |                      | 165                     | 22                     |
| 2676-05070        | 00000/0000                                     | 2-20036/1422     | 11/28/76       | 50                     | 9419                         | 5340N         | 07510E       | 12.5         | 156.2                 | GGGG                |                      | 165                     | 23                     |
| 2676-05072        | 00000/0000                                     | 2-20036/1423     | 11/28/76       | 40                     | 9419                         | 5136N         | 07427E       | 13.7         | 155.5                 | GGGG                |                      | 165                     | 24                     |
| 2676-05075        | 00000/0000                                     | 2-20036/1424     | 11/28/76       | 40                     | 9419                         | 5011N         | 07347E       | 14.8         | 154.8                 | FGGG                |                      | 165                     | 25                     |
| 2676-05081        | 00000/0000                                     | 2-20036/1425     | 11/28/76       | 40                     | 9419                         | 4847N         | 07308E       | 15.9         | 154.2                 | GGGG                |                      | 165                     | 26                     |
| 2676-05084        | 00000/0000                                     | 2-20036/1426     | 11/28/76       | 40                     | 9419                         | 4722N         | 07232E       | 17.0         | 153.5                 | GGGG                |                      | 165                     | 27                     |
| 2676-05090        | 00000/0000                                     | 2-20036/1427     | 11/28/76       | 60                     | 9419                         | 4557N         | 07157E       | 18.1         | 152.9                 | GGGG                |                      | 165                     | 28                     |
| 2676-05093        | 00000/0000                                     | 2-20036/1428     | 11/28/76       | 70                     | 9419                         | 4433N         | 07123E       | 19.3         | 152.2                 | FGGF                |                      | 165                     | 29                     |
| 2676-05095        | 00000/0000                                     | 2-20036/1429     | 11/28/76       | 30                     | 9419                         | 4307N         | 07051E       | 20.4         | 151.6                 | GGGG                |                      | 165                     | 30                     |
| 2676-05102        | 00000/0000                                     | 2-20036/1430     | 11/28/76       | 20                     | 9419                         | 4142N         | 07020E       | 21.5         | 150.9                 | GGGG                |                      | 165                     | 31                     |
| 2676-05104        | 00000/0000                                     | 2-20036/1431     | 11/28/76       | 10                     | 9419                         | 4017N         | 06950E       | 22.5         | 150.3                 | GGGG                |                      | 165                     | 32                     |
| 2676-05111        | 00000/0000                                     | 2-20036/1432     | 11/28/76       | 10                     | 9419                         | 3852N         | 06921E       | 23.6         | 149.6                 | GGGG                |                      | 165                     | 33                     |
| 2676-05113        | 00000/0000                                     | 2-20036/1433     | 11/28/76       | 10                     | 9419                         | 3726N         | 06852E       | 24.7         | 149.0                 | GGGG                |                      | 165                     | 34                     |
| 2676-05120        | 00000/0000                                     | 2-20036/1434     | 11/28/76       | 10                     | 9419                         | 3601N         | 06825E       | 25.8         | 148.3                 | GGGG                |                      | 165                     | 35                     |
| 2676-05122        | 00000/0000                                     | 2-20036/1435     | 11/28/76       | 0                      | 9419                         | 3435N         | 06758E       | 26.8         | 147.6                 | GGGG                |                      | 165                     | 36                     |
| 2676-05125        | 00000/0000                                     | 2-20036/1436     | 11/28/76       | 0                      | 9419                         | 3310N         | 06732E       | 27.9         | 146.9                 | GGGG                |                      | 165                     | 37                     |
| 2676-05131        | 00000/0000                                     | 2-20036/1437     | 11/28/76       | 0                      | 9419                         | 3144N         | 06706E       | 28.9         | 146.2                 | GGFF                |                      | 165                     | 38                     |
| 2676-05134        | 00000/0000                                     | 2-20036/1438     | 11/28/76       | 0                      | 9419                         | 3018N         | 06641E       | 30.0         | 145.5                 | GGGF                |                      | 165                     | 39                     |
| 2676-05140        | 00000/0000                                     | 2-20036/1439     | 11/28/76       | 0                      | 9419                         | 2852N         | 06617E       | 31.0         | 144.7                 | GGGG                |                      | 165                     | 40                     |
| 2676-05143        | 00000/0000                                     | 2-20036/1440     | 11/28/76       | 0                      | 9419                         | 2726N         | 06554E       | 32.0         | 143.9                 | GGGF                |                      | 165                     | 41                     |
| 2676-05145        | 00000/0000                                     | 2-20036/1441     | 11/28/76       | 0                      | 9419                         | 2600N         | 06530E       | 33.0         | 143.1                 | FGGG                |                      | 165                     | 42                     |
| 2676-05152        | 00000/0000                                     | 2-20036/1442     | 11/28/76       | 0                      | 9419                         | 2433N         | 06508E       | 34.0         | 142.3                 | FFFF                |                      | 165                     | 43                     |
| 2676-05154        | 00000/0000                                     | 2-20036/1443     | 11/28/76       | 0                      | 9419                         | 2307N         | 06445E       | 35.0         | 141.4                 | FFFF                |                      | 165                     | 44                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2676-05161        | 00000/0000                   | 2-20036/1444                | 11/28/76         | 0              | 9419            | 2140N                              | 06423E                              | 36.0         | 140.6        | FFFF                               |                     |                      | 165                     | 45                     |
| 2676-06492        | 00000/0000                   | 2-20036/1576                | 11/28/76         | 10             | 9420            | 5546N                              | 05051E                              | 10.3         | 187.6        | FGF                                |                     |                      | 183                     | 21                     |
| 2676-06495        | 00000/0000                   | 2-20036/1577                | 11/28/76         | 20             | 9420            | 5423N                              | 05004E                              | 11.4         | 156.9        | GGF                                |                     |                      | 183                     | 22                     |
| 2676-06501        | 00000/0000                   | 2-20036/1578                | 11/28/76         | 20             | 9420            | 5259N                              | 04919E                              | 12.5         | 156.2        | GGGG                               |                     |                      | 183                     | 23                     |
| 2676-06504        | 00000/0000                   | 2-20036/1579                | 11/28/76         | 30             | 9420            | 5135N                              | 04837E                              | 13.7         | 155.5        | GGFG                               |                     |                      | 183                     | 24                     |
| 2676-06510        | 00000/0000                   | 2-20036/1580                | 11/28/76         | 40             | 9420            | 5011N                              | 04756E                              | 14.8         | 154.8        | GGGG                               |                     |                      | 183                     | 25                     |
| 2676-06513        | 00000/0000                   | 2-20036/1581                | 11/28/76         | 50             | 9420            | 4847N                              | 04718E                              | 15.9         | 154.2        | GGF                                |                     |                      | 183                     | 26                     |
| 2676-06515        | 00000/0000                   | 2-20036/1582                | 11/28/76         | 20             | 9420            | 4722N                              | 04641E                              | 17.0         | 153.5        | FGFF                               |                     |                      | 183                     | 27                     |
| 2676-06522        | 00000/0000                   | 2-20036/1583                | 11/28/76         | 60             | 9420            | 4557N                              | 04606E                              | 18.1         | 152.9        | FGPG                               |                     |                      | 183                     | 28                     |
| 2676-06524        | 00000/0000                   | 2-20036/1584                | 11/28/76         | 90             | 9420            | 4432N                              | 04533E                              | 19.2         | 152.2        | GGGF                               |                     |                      | 183                     | 29                     |
| 2676-06531        | 00000/0000                   | 2-20036/1585                | 11/28/76         | 80             | 9420            | 4307N                              | 04500E                              | 20.3         | 151.6        | GGGG                               |                     |                      | 183                     | 30                     |
| 2676-06533        | 00000/0000                   | 2-20036/1586                | 11/28/76         | 90             | 9420            | 4142N                              | 04429E                              | 21.4         | 150.9        | GGGG                               |                     |                      | 183                     | 31                     |
| 2676-06540        | 00000/0000                   | 2-20036/1587                | 11/28/76         | 70             | 9420            | 4016N                              | 04359E                              | 22.5         | 150.3        | GGGG                               |                     |                      | 183                     | 32                     |
| 2676-06542        | 00000/0000                   | 2-20036/1588                | 11/28/76         | 40             | 9420            | 3851N                              | 04330E                              | 23.6         | 149.6        | GGGG                               |                     |                      | 183                     | 33                     |
| 2676-06545        | 00000/0000                   | 2-20036/1589                | 11/28/76         | 30             | 9420            | 3726N                              | 04302E                              | 24.7         | 149.0        | GGFF                               |                     |                      | 183                     | 34                     |
| 2676-08324        | 00000/0000                   | 2-20036/1590                | 11/28/76         | 90             | 9421            | 5546N                              | 02501E                              | 10.3         | 157.6        | FGF                                |                     |                      | 201                     | 21                     |
| 2676-08330        | 00000/0000                   | 2-20036/1591                | 11/28/76         | 90             | 9421            | 5423N                              | 02414E                              | 11.4         | 156.9        | GGGF                               |                     |                      | 201                     | 22                     |
| 2676-08333        | 00000/0000                   | 2-20036/1592                | 11/28/76         | 90             | 9421            | 5259N                              | 02329E                              | 12.5         | 156.2        | GGGF                               |                     |                      | 201                     | 23                     |
| 2676-13423        | 00000/0000                   | 2-20036/1445                | 11/28/76         | 90             | 9424            | 5546N                              | 05223W                              | 10.2         | 157.6        | FGGG                               |                     |                      | 4                       | 21                     |
| 2676-13425        | 00000/0000                   | 2-20036/1446                | 11/28/76         | 80             | 9424            | 5422N                              | 05311W                              | 11.4         | 156.9        | GGGG                               |                     |                      | 4                       | 22                     |
| 2676-13432        | 00000/0000                   | 2-20036/1447                | 11/28/76         | 80             | 9424            | 5258N                              | 05357W                              | 12.5         | 156.2        | GGGG                               |                     |                      | 4                       | 23                     |
| 2676-13434        | 00000/0000                   | 2-20036/1448                | 11/28/76         | 80             | 9424            | 5134N                              | 05439W                              | 13.6         | 155.5        | GGGG                               |                     |                      | 4                       | 24                     |
| 2676-13441        | 00000/0000                   | 2-20036/1449                | 11/28/76         | 80             | 9424            | 5009N                              | 05520W                              | 14.8         | 154.8        | GGGG                               |                     |                      | 4                       | 25                     |
| 2676-13443        | 00000/0000                   | 2-20036/1450                | 11/28/76         | 90             | 9424            | 4844N                              | 05559W                              | 15.9         | 154.1        | GGGG                               |                     |                      | 4                       | 26                     |
| 2676-13450        | 00000/0000                   | 2-20036/1451                | 11/28/76         | 90             | 9424            | 4720N                              | 05635W                              | 17.0         | 153.5        | GGGG                               |                     |                      | 4                       | 27                     |
| 2676-13452        | 00000/0000                   | 2-20036/1452                | 11/28/76         | 90             | 9424            | 4555N                              | 05710W                              | 18.1         | 152.8        | GGGG                               |                     |                      | 4                       | 28                     |
| 2676-13455        | 00000/0000                   | 2-20036/1453                | 11/28/76         | 90             | 9424            | 4430N                              | 05743W                              | 19.2         | 152.2        | GGGG                               |                     |                      | 4                       | 29                     |
| 2676-13461        | 00000/0000                   | 2-20036/1454                | 11/28/76         | 80             | 9424            | 4304N                              | 05815W                              | 20.3         | 151.6        | GGGG                               |                     |                      | 4                       | 30                     |
| 2676-13464        | 00000/0000                   | 2-20036/1455                | 11/28/76         | 60             | 9424            | 4139N                              | 05846W                              | 21.4         | 150.9        | GGGG                               |                     |                      | 4                       | 31                     |
| 2676-17092        | 00000/0000                   | 2-20037/0096                | 11/28/76         | 10             | 9426            | 5425N                              | 10450W                              | 11.3         | 156.9        | FGGG                               |                     |                      | 40                      | 22                     |
| 2676-17095        | 00000/0000                   | 2-20037/0097                | 11/28/76         | 0              | 9426            | 5301N                              | 10539W                              | 12.4         | 156.2        | GGGG                               |                     |                      | 40                      | 23                     |
| 2676-17101        | 00000/0000                   | 2-20037/0098                | 11/28/76         | 10             | 9426            | 5137N                              | 10617W                              | 13.6         | 155.5        | GGGG                               |                     |                      | 40                      | 24                     |
| 2676-17104        | 00000/0000                   | 2-20037/0099                | 11/28/76         | 10             | 9426            | 5012N                              | 10657W                              | 14.7         | 154.8        | GGGG                               |                     |                      | 40                      | 25                     |
| 2676-17165        | 00000/0000                   | 2-20037/0095                | 11/28/76         | 10             | 9426            | 2852N                              | 11425W                              | 30.9         | 144.7        | G                                  |                     |                      | 40                      | 40                     |
| 2676-17172        | 00000/0000                   | 2-20037/0100                | 11/28/76         | 10             | 9426            | 2727N                              | 11448W                              | 31.9         | 143.9        | FGF                                |                     |                      | 40                      | 41                     |
| 2676-17174        | 00000/0000                   | 2-20037/0101                | 11/28/76         | 20             | 9426            | 2601N                              | 11511W                              | 32.9         | 143.1        | GGGG                               |                     |                      | 40                      | 42                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|-------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2676-17181        | 00000/0000                   | 2-20037/0102                | 11/28/76         | 40          | 9426            | 2434N 11534W                            | 33.9         | 142.3        | GFGG                               |                     |                      | 40                      | 43                     |
| 2676-17183        | 00000/0000                   | 2-20037/0103                | 11/28/76         | 50          | 9426            | 2307N 11557W                            | 34.9         | 141.5        | GGGG                               |                     |                      | 40                      | 44                     |
| 2677-01502        | 00000/0000                   | 2-20036/1456                | 11/29/76         | 30          | 9431            | 3852N 11932E                            | 23.5         | 149.6        | FQFG                               |                     |                      | 130                     | 33                     |
| 2677-01504        | 00000/0000                   | 2-20036/1457                | 11/29/76         | 10          | 9431            | 3727N 11904E                            | 24.5         | 149.0        | FQGG                               |                     |                      | 130                     | 34                     |
| 2677-01511        | 00000/0000                   | 2-20036/1458                | 11/29/76         | 0           | 9431            | 3602N 11836E                            | 25.6         | 148.3        | FQGG                               |                     |                      | 130                     | 35                     |
| 2677-01513        | 00000/0000                   | 2-20036/1459                | 11/29/76         | 0           | 9431            | 3436N 11809E                            | 26.7         | 147.6        | GGG                                |                     |                      | 130                     | 36                     |
| 2677-01520        | 00000/0000                   | 2-20036/1460                | 11/29/76         | 20          | 9431            | 3309N 11743E                            | 27.7         | 146.9        | GGGG                               |                     |                      | 130                     | 37                     |
| 2677-01522        | 00000/0000                   | 2-20036/1461                | 11/29/76         | 60          | 9431            | 3143N 11718E                            | 28.8         | 146.2        | GQFG                               |                     |                      | 130                     | 38                     |
| 2677-01525        | 00000/0000                   | 2-20036/1462                | 11/29/76         | 80          | 9431            | 3017N 11653E                            | 29.8         | 145.5        | GGGG                               |                     |                      | 130                     | 39                     |
| 2677-01531        | 00000/0000                   | 2-20036/1463                | 11/29/76         | 90          | 9431            | 2851N 11629E                            | 30.8         | 144.7        | FFFF                               |                     |                      | 130                     | 40                     |
| 2677-01534        | 00000/0000                   | 2-20036/1464                | 11/29/76         | 60          | 9431            | 2725N 11604E                            | 31.9         | 143.9        | GGGG                               |                     |                      | 130                     | 41                     |
| 2677-01540        | 00000/0000                   | 2-20036/1465                | 11/29/76         | 90          | 9431            | 2559N 11543E                            | 32.9         | 143.1        | GGGG                               |                     |                      | 130                     | 42                     |
| 2677-01543        | 00000/0000                   | 2-20036/1466                | 11/29/76         | 60          | 9431            | 2433N 11520E                            | 33.9         | 142.3        | GFGG                               |                     |                      | 130                     | 43                     |
| 2677-01545        | 00000/0000                   | 2-20036/1467                | 11/29/76         | 30          | 9431            | 2307N 11457E                            | 34.8         | 141.5        | GGGG                               |                     |                      | 130                     | 44                     |
| 2677-03310        | 00000/0000                   | 2-20036/1473                | 11/29/76         | 0           | 9432            | 4721N 09654E                            | 16.9         | 153.5        | GGGG                               |                     |                      | 148                     | 27                     |
| 2677-03313        | 00000/0000                   | 2-20036/1474                | 11/29/76         | 0           | 9432            | 4557N 09619E                            | 18.0         | 152.8        | GGGG                               |                     |                      | 148                     | 28                     |
| 2677-03315        | 00000/0000                   | 2-20036/1475                | 11/29/76         | 0           | 9432            | 4432N 09545E                            | 19.1         | 152.2        | GGGG                               |                     |                      | 148                     | 29                     |
| 2677-03322        | 00000/0000                   | 2-20036/1476                | 11/29/76         | 0           | 9432            | 4307N 09513E                            | 20.2         | 151.6        | GGGG                               |                     |                      | 148                     | 30                     |
| 2677-03324        | 00000/0000                   | 2-20036/1477                | 11/29/76         | 0           | 9432            | 4142N 09442E                            | 21.3         | 150.9        | FQGG                               |                     |                      | 148                     | 31                     |
| 2677-03331        | 00000/0000                   | 2-20036/1478                | 11/29/76         | 0           | 9432            | 4016N 09412E                            | 22.4         | 150.3        | GGGG                               |                     |                      | 148                     | 32                     |
| 2677-03333        | 00000/0000                   | 2-20036/1479                | 11/29/76         | 0           | 9432            | 3851N 09343E                            | 23.5         | 149.6        | GGGG                               |                     |                      | 148                     | 33                     |
| 2677-03340        | 00000/0000                   | 2-20036/1480                | 11/29/76         | 10          | 9432            | 3726N 09315E                            | 24.5         | 149.0        | GGGG                               |                     |                      | 148                     | 34                     |
| 2677-03342        | 00000/0000                   | 2-20036/1481                | 11/29/76         | 10          | 9432            | 3600N 09247E                            | 25.6         | 148.3        | GGGG                               |                     |                      | 148                     | 35                     |
| 2677-03345        | 00000/0000                   | 2-20036/1482                | 11/29/76         | 10          | 9432            | 3434N 09221E                            | 26.7         | 147.6        | GGGG                               |                     |                      | 148                     | 36                     |
| 2677-03351        | 00000/0000                   | 2-20036/1483                | 11/29/76         | 10          | 9432            | 3309N 09155E                            | 27.7         | 146.9        | GGGG                               |                     |                      | 148                     | 37                     |
| 2677-03354        | 00000/0000                   | 2-20036/1484                | 11/29/76         | 10          | 9432            | 3143N 09130E                            | 28.8         | 146.2        | GGGG                               |                     |                      | 148                     | 38                     |
| 2677-03360        | 00000/0000                   | 2-20036/1485                | 11/29/76         | 30          | 9432            | 3017N 09105E                            | 29.8         | 145.5        | GGGG                               |                     |                      | 148                     | 39                     |
| 2677-03363        | 00000/0000                   | 2-20036/1486                | 11/29/76         | 20          | 9432            | 2851N 09041E                            | 30.8         | 144.7        | GGGG                               |                     |                      | 148                     | 40                     |
| 2677-03365        | 00000/0000                   | 2-20036/1487                | 11/29/76         | 30          | 9432            | 2725N 09017E                            | 31.9         | 143.9        | GGGG                               |                     |                      | 148                     | 41                     |
| 2677-03372        | 00000/0000                   | 2-20036/1488                | 11/29/76         | 30          | 9432            | 2600N 08953E                            | 32.9         | 143.1        | GGGG                               |                     |                      | 148                     | 42                     |
| 2677-03374        | 00000/0000                   | 2-20036/1489                | 11/29/76         | 40          | 9432            | 2433N 08931E                            | 33.8         | 142.3        | GGGG                               |                     |                      | 148                     | 43                     |
| 2677-03381        | 00000/0000                   | 2-20036/1490                | 11/29/76         | 50          | 9432            | 2307N 08908E                            | 34.8         | 141.5        | GGGG                               |                     |                      | 148                     | 44                     |
| 2677-03383        | 00000/0000                   | 2-20036/1491                | 11/29/76         | 60          | 9432            | 2140N 08846E                            | 35.8         | 140.6        | GGGG                               |                     |                      | 148                     | 45                     |
| 2677-03390        | 00000/0000                   | 2-20036/1492                | 11/29/76         | 70          | 9432            | 2014N 08823E                            | 36.7         | 139.7        | GGGG                               |                     |                      | 148                     | 46                     |
| 2677-03392        | 00000/0000                   | 2-20036/1493                | 11/29/76         | 90          | 9432            | 1848N 08802E                            | 37.7         | 138.7        | GGGG                               |                     |                      | 148                     | 47                     |
| 2677-03395        | 00000/0000                   | 2-20036/1494                | 11/29/76         | 90          | 9432            | 1721N 08740E                            | 38.6         | 137.8        | GGGG                               |                     |                      | 148                     | 48                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=18X GAIN, H=HIGH GAIN

02144 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|-----------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2677-03401        | 00000/0000                                     | 2-20036/1495     | 11/29/76       | 90                     | 9432                         | 1554N         | 08719E       | 39.5         | 136.8                 |             |                     |                      | 148                     | 49                     |
| 2677-03404        | 00000/0000                                     | 2-20036/1496     | 11/29/76       | 90                     | 9432                         | 1428N         | 08658E       | 40.4         | 135.7                 | GGG         |                     |                      | 148                     | 50                     |
| 2677-05115        | 00000/0000                                     | 2-20036/1497     | 11/29/76       | 40                     | 9433                         | 5547N         | 07516E       | 10.1         | 157.6                 | GGGG        |                     |                      | 166                     | 21                     |
| 2677-05121        | 00000/0000                                     | 2-20036/1498     | 11/29/76       | 20                     | 9433                         | 5423N         | 07429E       | 11.2         | 156.9                 | FFGG        |                     |                      | 166                     | 22                     |
| 2677-05124        | 00000/0000                                     | 2-20036/1499     | 11/29/76       | 10                     | 9433                         | 5300N         | 07344E       | 12.4         | 156.1                 | FFGG        |                     |                      | 166                     | 23                     |
| 2677-05130        | 00000/0000                                     | 2-20036/1500     | 11/29/76       | 10                     | 9433                         | 5135N         | 07301E       | 13.5         | 155.5                 | FFGG        |                     |                      | 166                     | 24                     |
| 2677-05133        | 00000/0000                                     | 2-20036/1501     | 11/29/76       | 20                     | 9433                         | 5011N         | 07221E       | 14.6         | 154.8                 | FFGG        |                     |                      | 166                     | 25                     |
| 2677-05135        | 00000/0000                                     | 2-20036/1502     | 11/29/76       | 30                     | 9433                         | 4846N         | 07143E       | 15.7         | 154.1                 | GGGF        |                     |                      | 166                     | 26                     |
| 2677-05142        | 00000/0000                                     | 2-20036/1503     | 11/29/76       | 70                     | 9433                         | 4721N         | 07106E       | 16.8         | 153.5                 | GGGF        |                     |                      | 166                     | 27                     |
| 2677-05144        | 00000/0000                                     | 2-20036/1504     | 11/29/76       | 90                     | 9433                         | 4557N         | 07031E       | 18.0         | 152.8                 | GGGF        |                     |                      | 166                     | 28                     |
| 2677-05151        | 00000/0000                                     | 2-20036/1505     | 11/29/76       | 100                    | 9433                         | 4432N         | 06957E       | 19.1         | 152.2                 | GGGF        |                     |                      | 166                     | 29                     |
| 2677-05153        | 00000/0000                                     | 2-20036/1506     | 11/29/76       | 100                    | 9433                         | 4307N         | 06925E       | 20.2         | 151.6                 | GGGF        |                     |                      | 166                     | 30                     |
| 2677-05160        | 00000/0000                                     | 2-20036/1507     | 11/29/76       | 90                     | 9433                         | 4142N         | 06854E       | 21.3         | 150.9                 | GGGF        |                     |                      | 166                     | 31                     |
| 2677-05162        | 00000/0000                                     | 2-20036/1508     | 11/29/76       | 90                     | 9433                         | 4016N         | 06824E       | 22.4         | 150.3                 | GGGF        |                     |                      | 166                     | 32                     |
| 2677-05165        | 00000/0000                                     | 2-20036/1509     | 11/29/76       | 90                     | 9433                         | 3851N         | 06754E       | 23.4         | 149.6                 | FFGG        |                     |                      | 166                     | 33                     |
| 2677-05171        | 00000/0000                                     | 2-20036/1510     | 11/29/76       | 40                     | 9433                         | 3725N         | 06726E       | 24.5         | 149.0                 | GGGF        |                     |                      | 166                     | 34                     |
| 2677-05174        | 00000/0000                                     | 2-20036/1511     | 11/29/76       | 10                     | 9433                         | 3600N         | 06659E       | 25.6         | 148.3                 | GGGF        |                     |                      | 166                     | 35                     |
| 2677-05180        | 00000/0000                                     | 2-20036/1512     | 11/29/76       | 0                      | 9433                         | 3434N         | 06632E       | 26.7         | 147.6                 | GGGF        |                     |                      | 166                     | 36                     |
| 2677-05183        | 00000/0000                                     | 2-20036/1513     | 11/29/76       | 0                      | 9433                         | 3308N         | 06607E       | 27.7         | 146.9                 | FFGG        |                     |                      | 166                     | 37                     |
| 2677-05185        | 00000/0000                                     | 2-20036/1514     | 11/29/76       | 0                      | 9433                         | 3142N         | 06541E       | 28.8         | 146.2                 | GGGF        |                     |                      | 166                     | 38                     |
| 2677-05192        | 00000/0000                                     | 2-20036/1515     | 11/29/76       | 0                      | 9433                         | 3016N         | 06516E       | 29.8         | 145.5                 | GGGF        |                     |                      | 166                     | 39                     |
| 2677-05194        | 00000/0000                                     | 2-20036/1516     | 11/29/76       | 0                      | 9433                         | 2851N         | 06452E       | 30.8         | 144.7                 | GGGF        |                     |                      | 166                     | 40                     |
| 2677-05201        | 00000/0000                                     | 2-20036/1517     | 11/29/76       | 0                      | 9433                         | 2726N         | 06428E       | 31.8         | 143.9                 | GGGF        |                     |                      | 166                     | 41                     |
| 2677-05203        | 00000/0000                                     | 2-20036/1518     | 11/29/76       | 0                      | 9433                         | 2600N         | 06404E       | 32.8         | 143.1                 | GGGF        |                     |                      | 166                     | 42                     |
| 2677-05210        | 00000/0000                                     | 2-20036/1519     | 11/29/76       | 10                     | 9433                         | 2433N         | 06342E       | 33.8         | 142.3                 | GGGF        |                     |                      | 166                     | 43                     |
| 2677-05212        | 00000/0000                                     | 2-20036/1520     | 11/29/76       | 10                     | 9433                         | 2306N         | 06319E       | 34.8         | 141.5                 | GGGF        |                     |                      | 166                     | 44                     |
| 2677-05215        | 00000/0000                                     | 2-20036/1521     | 11/29/76       | 10                     | 9433                         | 2140N         | 06257E       | 35.8         | 140.6                 | FFGG        |                     |                      | 166                     | 45                     |
| 2677-05215        | 00000/0000                                     | 2-20036/1521     | 11/29/76       | 10                     | 9433                         | 2140N         | 06257E       | 35.8         | 140.6                 | FFGG        |                     |                      | 166                     | 45                     |
| 2677-05562        | 00000/0000                                     | 2-20037/0600     | 11/29/76       | 100                    | 9434                         | 5134N         | 04710E       | 13.5         | 155.5                 | GGGF        |                     |                      | 184                     | 24                     |
| 2677-05571        | 00000/0000                                     | 2-20036/C723     | 11/29/76       | 90                     | 9434                         | 4845N         | 04553E       | 15.7         | 154.1                 | GGGF        |                     |                      | 184                     | 26                     |
| 2677-06573        | 00000/0000                                     | 2-20036/1558     | 11/29/76       | 90                     | 9434                         | 4720N         | 04516E       | 16.8         | 153.5                 | GGGF        |                     |                      | 184                     | 27                     |
| 2677-06580        | 00000/0000                                     | 2-20036/1559     | 11/29/76       | 100                    | 9434                         | 4556N         | 04441E       | 18.0         | 152.8                 | FFGG        |                     |                      | 184                     | 28                     |
| 2677-06582        | 00000/0000                                     | 2-20036/1560     | 11/29/76       | 90                     | 9434                         | 4431N         | 04407E       | 19.1         | 152.2                 | FFGG        |                     |                      | 184                     | 29                     |
| 2677-06585        | 00000/0000                                     | 2-20036/1561     | 11/29/76       | 10                     | 9434                         | 4306N         | 04335E       | 20.2         | 151.6                 | FFGG        |                     |                      | 184                     | 30                     |
| 2677-08382        | 00000/0000                                     | 2-20036/1562     | 11/29/76       | 90                     | 9435                         | 5546N         | 02336E       | 10.1         | 157.6                 | FFGG        |                     |                      | 202                     | 21                     |
| 2677-13481        | 00000/0000                                     | 2-20037/C412     | 11/29/76       | 50                     | 9438                         | 5549N         | 05349W       | 10.0         | 157.6                 | GGG         |                     |                      | 5                       | 21                     |
| 2677-13483        | 00000/0000                                     | 2-20037/C411     | 11/29/76       | 90                     | 9438                         | 5424N         | 05437W       | 11.2         | 156.8                 | GGG         |                     |                      | 5                       | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0597

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RRV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>POINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|---------------------------------------|----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2677-13490        | 00000/0000                   | 2-20037/0413                | 11/29/76         | 100            | 9438            | 5300N                                 | 05523W                                 | 12.3         | 156.1        | FGGG                               |                     |                      | 5                       | 23                     |
| 2677-13492        | 00000/0000                   | 2-20037/0414                | 11/29/76         | 100            | 9438            | 5176N                                 | 05605W                                 | 13.4         | 155.4        | GGGG                               |                     |                      | 5                       | 24                     |
| 2677-13495        | 00000/0000                   | 2-20037/0415                | 11/29/76         | 100            | 9438            | 5012N                                 | 05645W                                 | 14.5         | 154.8        | GGGG                               |                     |                      | 5                       | 25                     |
| 2677-13501        | 00000/0000                   | 2-20037/0416                | 11/29/76         | 100            | 9438            | 4847N                                 | 05724W                                 | 15.7         | 154.1        | GGGG                               |                     |                      | 5                       | 26                     |
| 2677-13504        | 00000/0000                   | 2-20037/0417                | 11/29/76         | 100            | 9438            | 4723N                                 | 05800W                                 | 16.8         | 153.5        | FGGG                               |                     |                      | 5                       | 27                     |
| 2677-13510        | 00000/0000                   | 2-20037/0418                | 11/29/76         | 100            | 9438            | 4588N                                 | 05835W                                 | 17.9         | 152.8        | GGGG                               |                     |                      | 5                       | 28                     |
| 2677-13513        | 00000/0000                   | 2-20037/0419                | 11/29/76         | 100            | 9438            | 4433N                                 | 05909W                                 | 19.0         | 152.2        | GGGG                               |                     |                      | 5                       | 29                     |
| 2677-13515        | 00000/0000                   | 2-20037/0420                | 11/29/76         | 100            | 9438            | 4308N                                 | 05941W                                 | 20.1         | 151.6        | GGGG                               |                     |                      | 5                       | 30                     |
| 2677-13522        | 00000/0000                   | 2-20037/0421                | 11/29/76         | 100            | 9438            | 4142N                                 | 06012W                                 | 21.2         | 150.9        | GGGG                               |                     |                      | 5                       | 31                     |
| 2677-15330        | 00000/0000                   | 2-20037/0422                | 11/29/76         | 20             | 9439            | 5012N                                 | 08235W                                 | 14.5         | 154.8        | GGGG                               |                     |                      | 23                      | 25                     |
| 2677-17150        | 00000/0000                   | 2-20037/0582                | 11/29/76         | 60             | 9440            | 5423N                                 | 10616W                                 | 11.1         | 156.8        | FGGF                               |                     |                      | 41                      | 22                     |
| 2677-17153        | 00000/0000                   | 2-20037/0583                | 11/29/76         | 70             | 9440            | 5259N                                 | 10701W                                 | 12.3         | 156.1        | FGGG                               |                     |                      | 41                      | 23                     |
| 2677-17155        | 00000/0000                   | 2-20037/0584                | 11/29/76         | 80             | 9440            | 5135N                                 | 10744W                                 | 13.4         | 155.4        | GGGG                               |                     |                      | 41                      | 24                     |
| 2677-17162        | 00000/0000                   | 2-20037/0585                | 11/29/76         | 50             | 9440            | 5011N                                 | 10824W                                 | 14.5         | 154.8        | GGGG                               |                     |                      | 41                      | 25                     |
| 2677-17221        | 00000/0000                   | 2-20037/0586                | 11/29/76         | 0              | 9440            | 3017N                                 | 11527W                                 | 29.7         | 145.5        | GGGG                               |                     |                      | 41                      | 39                     |
| 2678-01553        | 00000/0000                   | 2-20036/1563                | 11/30/76         | 40             | 9445            | 4016N                                 | 11835E                                 | 22.2         | 150.3        | FGGF                               |                     |                      | 131                     | 32                     |
| 2678-01560        | 00000/0000                   | 2-20036/1564                | 11/30/76         | 40             | 9445            | 3851N                                 | 11806E                                 | 23.3         | 149.6        | FFFF                               |                     |                      | 131                     | 33                     |
| 2678-01562        | 00000/0000                   | 2-20036/1565                | 11/30/76         | 50             | 9445            | 3725N                                 | 11738E                                 | 24.4         | 149.0        | FGGG                               |                     |                      | 131                     | 34                     |
| 2678-01565        | 00000/0000                   | 2-20036/1566                | 11/30/76         | 80             | 9445            | 3600N                                 | 11711E                                 | 25.4         | 148.3        | FGGG                               |                     |                      | 131                     | 35                     |
| 2678-01571        | 00000/0000                   | 2-20036/1567                | 11/30/76         | 80             | 9445            | 3434N                                 | 11644E                                 | 26.5         | 147.6        | FGGG                               |                     |                      | 131                     | 36                     |
| 2678-01574        | 00000/0000                   | 2-20036/1568                | 11/30/76         | 90             | 9445            | 3308N                                 | 11618E                                 | 27.6         | 146.9        | FGGG                               |                     |                      | 131                     | 37                     |
| 2678-01580        | 00000/0000                   | 2-20036/1569                | 11/30/76         | 90             | 9445            | 3142N                                 | 11552E                                 | 28.6         | 146.2        | GGGG                               |                     |                      | 131                     | 38                     |
| 2678-01583        | 00000/0000                   | 2-20036/1570                | 11/30/76         | 80             | 9445            | 3017N                                 | 11527E                                 | 29.6         | 145.5        | FGGG                               |                     |                      | 131                     | 39                     |
| 2678-01585        | 00000/0000                   | 2-20036/1571                | 11/30/76         | 90             | 9445            | 2852N                                 | 11503E                                 | 30.7         | 144.7        | FGGG                               |                     |                      | 131                     | 40                     |
| 2678-01592        | 00000/0000                   | 2-20036/1572                | 11/30/76         | 90             | 9445            | 2725N                                 | 11439E                                 | 31.7         | 144.0        | GGGG                               |                     |                      | 131                     | 41                     |
| 2678-02001        | 00000/0000                   | 2-20036/1573                | 11/30/76         | 70             | 9445            | 2493N                                 | 11353E                                 | 33.7         | 142.3        | GGGG                               |                     |                      | 131                     | 43                     |
| 2678-02003        | 00000/0000                   | 2-20036/1574                | 11/30/76         | 10             | 9445            | 2306N                                 | 11331E                                 | 34.7         | 141.5        | FGGG                               |                     |                      | 131                     | 44                     |
| 2678-03364        | 00000/0000                   | 2-20036/1593                | 11/30/76         | 0              | 9446            | 4721N                                 | 09526E                                 | 16.7         | 153.4        | PGGF                               |                     |                      | 149                     | 27                     |
| 2678-03371        | 00000/0000                   | 2-20036/1594                | 11/30/76         | 0              | 9446            | 4556N                                 | 09451E                                 | 17.8         | 152.8        | FFGG                               |                     |                      | 149                     | 28                     |
| 2678-03373        | 00000/0000                   | 2-20036/1595                | 11/30/76         | 0              | 9446            | 4431N                                 | 09418E                                 | 18.9         | 152.2        | FFGG                               |                     |                      | 149                     | 29                     |
| 2678-03380        | 00000/0000                   | 2-20036/1596                | 11/30/76         | 0              | 9446            | 4306N                                 | 09346E                                 | 20.0         | 151.5        | PPGG                               |                     |                      | 149                     | 30                     |
| 2678-03382        | 00000/0000                   | 2-20036/1597                | 11/30/76         | 0              | 9446            | 4141N                                 | 09315E                                 | 21.1         | 150.9        | PPGG                               |                     |                      | 149                     | 31                     |
| 2678-03385        | 00000/0000                   | 2-20036/1598                | 11/30/76         | 0              | 9446            | 4016N                                 | 09245E                                 | 22.2         | 150.3        | PPFF                               |                     |                      | 149                     | 32                     |
| 2678-03391        | 00000/0000                   | 2-20036/1599                | 11/30/76         | 0              | 9446            | 3850N                                 | 09215E                                 | 23.3         | 149.6        | FFGF                               |                     |                      | 149                     | 33                     |
| 2678-03394        | 00000/0000                   | 2-20036/1600                | 11/30/76         | 0              | 9446            | 3725N                                 | 09147E                                 | 24.4         | 149.0        | PGGF                               |                     |                      | 149                     | 34                     |
| 2678-03400        | 00000/0000                   | 2-20036/1601                | 11/30/76         | 0              | 9446            | 3559N                                 | 09120E                                 | 25.4         | 148.3        | FGGG                               |                     |                      | 149                     | 35                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

PAGE 059A

| OBSERVATION<br>ID | MICROFILM<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>LAT | PRINCIPAL<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|----------------|-----------------|------------------|-------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2678-03403        | 00000/0000                           | 2-20036/1602     | 11/30/76       | 10              | 9446             | 3474N             | 09053E       | 26.5         | 147.6             | FGGG                |                      | 149                     | 36                     |
| 2678-03405        | 00000/0000                           | 2-20036/1603     | 11/30/76       | 20              | 9446             | 3308N             | 09027E       | 27.5         | 146.9             | PGGG                |                      | 149                     | 37                     |
| 2678-03412        | 00000/0000                           | 2-20036/1604     | 11/30/76       | 10              | 9446             | 3142N             | 09002E       | 28.6         | 146.2             | PGGG                |                      | 149                     | 38                     |
| 2678-03414        | 00000/0000                           | 2-20036/1605     | 11/30/76       | 10              | 9446             | 3016N             | 08938E       | 29.6         | 145.5             | FFGG                |                      | 149                     | 39                     |
| 2678-03421        | 00000/0000                           | 2-20036/1606     | 11/30/76       | 7               | 9446             | 2850N             | 08914E       | 30.7         | 144.7             | FFGF                |                      | 149                     | 40                     |
| 2678-03422        | 00000/0000                           | 2-20036/1607     | 11/30/76       | 17              | 9446             | 2724N             | 08850E       | 31.7         | 144.0             | FGPG                |                      | 149                     | 41                     |
| 2678-03430        | 00000/0000                           | 2-20036/1608     | 11/30/76       | 10              | 9446             | 2558N             | 08827E       | 32.7         | 143.2             | PPPG                |                      | 149                     | 42                     |
| 2678-03432        | 00000/0000                           | 2-20036/1609     | 11/30/76       | 0               | 9446             | 2431N             | 08805E       | 33.7         | 142.3             | PPFP                |                      | 149                     | 43                     |
| 2678-03435        | 00000/0000                           | 2-20036/1610     | 11/30/76       | 0               | 9446             | 2304N             | 08742E       | 34.6         | 141.5             | PPGP                |                      | 149                     | 44                     |
| 2678-03441        | 00000/0000                           | 2-20036/1611     | 11/30/76       | 10              | 9446             | 2140N             | 08719E       | 35.6         | 140.6             | PPFP                |                      | 149                     | 45                     |
| 2678-03444        | 00000/0000                           | 2-20036/1612     | 11/30/76       | 10              | 9446             | 2014N             | 08657E       | 36.6         | 139.7             | PPGP                |                      | 149                     | 46                     |
| 2678-03450        | 00000/0000                           | 2-20036/1613     | 11/30/76       | 17              | 9446             | 1846N             | 08635E       | 37.5         | 138.8             | PPGP                |                      | 149                     | 47                     |
| 2678-03453        | 00000/0000                           | 2-20036/1614     | 11/30/76       | 40              | 9446             | 1719N             | 08614E       | 38.4         | 137.8             | GPFG                |                      | 149                     | 48                     |
| 2678-03455        | 00000/0000                           | 2-20036/1615     | 11/30/76       | 60              | 9446             | 1553N             | 08552E       | 39.3         | 136.8             | FFFF                |                      | 149                     | 49                     |
| 2678-03462        | 00000/0000                           | 2-20036/1616     | 11/30/76       | 50              | 9446             | 1427N             | 08531E       | 40.2         | 135.8             | FFFF                |                      | 149                     | 50                     |
| 2678-035173       | 00000/0000                           | 2-20036/1617     | 11/30/76       | 10              | 9447             | 5546N             | 07349E       | 9.9          | 157.5             | FGGG                |                      | 167                     | 21                     |
| 2678-035180       | 00000/0000                           | 2-20036/1618     | 11/30/76       | 10              | 9447             | 5422N             | 07302E       | 11.1         | 156.8             | FGGG                |                      | 167                     | 22                     |
| 2678-035182       | 00000/0000                           | 2-20036/1619     | 11/30/76       | 10              | 9447             | 5258N             | 07217E       | 12.2         | 156.1             | GFGF                |                      | 167                     | 23                     |
| 2678-035185       | 00000/0000                           | 2-20036/1620     | 11/30/76       | 10              | 9447             | 5134N             | 07135E       | 13.3         | 155.4             | FGGF                |                      | 167                     | 24                     |
| 2678-035191       | 00000/0000                           | 2-20036/1621     | 11/30/76       | 10              | 9447             | 5010N             | 07054E       | 14.4         | 154.7             | GGGF                |                      | 167                     | 25                     |
| 2678-035194       | 00000/0000                           | 2-20036/1622     | 11/30/76       | 10              | 9447             | 4845N             | 07016E       | 15.6         | 154.1             | FGGF                |                      | 167                     | 26                     |
| 2678-035214       | 00000/0000                           | 2-20036/1623     | 11/30/76       | 90              | 9447             | 4140N             | 06727E       | 21.1         | 150.9             | FFFF                |                      | 167                     | 31                     |
| 2678-035221       | 00000/0000                           | 2-20036/1624     | 11/30/76       | 90              | 9447             | 4014N             | 06657E       | 22.2         | 150.3             | GGGG                |                      | 167                     | 32                     |
| 2678-035223       | 00000/0000                           | 2-20036/1625     | 11/30/76       | 90              | 9447             | 3849N             | 06628E       | 23.3         | 149.6             | GGGG                |                      | 167                     | 33                     |
| 2678-035230       | 00000/0000                           | 2-20036/1626     | 11/30/76       | 90              | 9447             | 3724N             | 06559E       | 24.3         | 148.9             | GGGG                |                      | 167                     | 34                     |
| 2678-035232       | 00000/0000                           | 2-20036/1627     | 11/30/76       | 90              | 9447             | 3558N             | 06532E       | 25.4         | 148.3             | GFEG                |                      | 167                     | 35                     |
| 2678-035235       | 00000/0000                           | 2-20036/1628     | 11/30/76       | 80              | 9447             | 3432N             | 06505E       | 26.5         | 147.6             | GGGG                |                      | 167                     | 36                     |
| 2678-035241       | 00000/0000                           | 2-20036/1629     | 11/30/76       | 40              | 9447             | 3307N             | 06439E       | 27.5         | 146.9             | GGFG                |                      | 167                     | 37                     |
| 2678-035244       | 00000/0000                           | 2-20036/1630     | 11/30/76       | 40              | 9447             | 3142N             | 06413E       | 28.6         | 146.2             | GGGG                |                      | 167                     | 38                     |
| 2678-035250       | 00000/0000                           | 2-20036/1631     | 11/30/76       | 30              | 9447             | 3016N             | 06348E       | 29.6         | 145.5             | FGGF                |                      | 167                     | 39                     |
| 2678-035253       | 00000/0000                           | 2-20036/1632     | 11/30/76       | 20              | 9447             | 2850N             | 06324E       | 30.6         | 144.7             | FGGF                |                      | 167                     | 40                     |
| 2678-035255       | 00000/0000                           | 2-20036/1633     | 11/30/76       | 10              | 9447             | 2724N             | 06301E       | 31.7         | 143.9             | FGGF                |                      | 167                     | 41                     |
| 2678-035262       | 00000/0000                           | 2-20036/1634     | 11/30/76       | 20              | 9447             | 2558N             | 06238E       | 32.7         | 143.2             | GGGG                |                      | 167                     | 42                     |
| 2678-035271       | 00000/0000                           | 2-20036/1635     | 11/30/76       | 10              | 9447             | 2306N             | 06153E       | 34.6         | 141.5             | FGGF                |                      | 167                     | 44                     |
| 2678-07023        | 00000/0000                           | 2-20036/1724     | 11/30/76       | 90              | 9448             | 5010N             | 04506E       | 14.4         | 154.7             | FGGG                |                      | 185                     | 25                     |
| 2678-07025        | 00000/0000                           | 2-20036/1725     | 11/30/76       | 100             | 9448             | 4846N             | 04428E       | 15.5         | 154.1             | GGGG                |                      | 185                     | 26                     |

KEYS: CLOUD COVER = ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=1.0x GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2678-07032        | 00000/0000                   | 2-20036/0726                | 11/30/76         | 100            | 9448            | 4721N                              | 04351E                              | 16.7         | 153.4        | GGGG                               |                     |                      | 185                     | 27                     |
| 2678-07034        | 00000/0000                   | 2-20036/0727                | 11/30/76         | 100            | 9448            | 4555N                              | 04316E                              | 17.8         | 152.8        | GGGG                               |                     |                      | 185                     | 28                     |
| 2678-07041        | 00000/0000                   | 2-20036/0728                | 11/30/76         | 60             | 9448            | 4430N                              | 04242E                              | 18.9         | 152.2        | GGGG                               |                     |                      | 185                     | 29                     |
| 2678-07043        | 00000/0000                   | 2-20036/0729                | 11/30/76         | 10             | 9448            | 4305N                              | 04210E                              | 20.0         | 151.5        | GGGG                               |                     |                      | 185                     | 30                     |
| 2678-07050        | 00000/0000                   | 2-20036/0730                | 11/30/76         | 40             | 9448            | 4140N                              | 04135E                              | 21.1         | 150.9        | GGGG                               |                     |                      | 185                     | 31                     |
| 2678-12353        | 00000/0000                   | 2-20036/1636                | 11/30/76         | 90             | 9451            | 3014S                              | 05423W                              | 51.0         | 87.8         | P                                  |                     |                      | 239                     | 81                     |
| 2678-12374        | 00000/0000                   | 2-20036/1637                | 11/30/76         | 70             | 9451            | 3722S                              | 05633W                              | 48.9         | 80.4         | GGGG                               |                     |                      | 239                     | 84                     |
| 2678-13535        | 00000/0000                   | 2-20036/1672                | 11/30/76         | 70             | 9452            | 5547N                              | 05517W                              | 9.8          | 137.5        | FFFF                               |                     |                      | 6                       | 21                     |
| 2678-13541        | 00000/0000                   | 2-20036/1673                | 11/30/76         | 70             | 9452            | 5423N                              | 05605W                              | 11.0         | 156.8        | FGGF                               |                     |                      | 6                       | 22                     |
| 2678-13544        | 00000/0000                   | 2-20036/1674                | 11/30/76         | 70             | 9452            | 5300N                              | 05650W                              | 12.1         | 156.1        | GGGG                               |                     |                      | 6                       | 23                     |
| 2678-13550        | 00000/0000                   | 2-20036/1675                | 11/30/76         | 60             | 9452            | 5135N                              | 05732W                              | 13.2         | 155.4        | GGGG                               |                     |                      | 6                       | 24                     |
| 2678-13553        | 00000/0000                   | 2-20036/1676                | 11/30/76         | 50             | 9452            | 5012N                              | 05812W                              | 14.4         | 154.7        | GGGG                               |                     |                      | 6                       | 25                     |
| 2678-13555        | 00000/0000                   | 2-20036/1677                | 11/30/76         | 70             | 9452            | 4848N                              | 05850W                              | 15.5         | 154.1        | GGGF                               |                     |                      | 6                       | 26                     |
| 2678-13562        | 00000/0000                   | 2-20036/1678                | 11/30/76         | 40             | 9452            | 4723N                              | 05927W                              | 16.6         | 153.4        | GGGG                               |                     |                      | 6                       | 27                     |
| 2678-13564        | 00000/0000                   | 2-20036/1679                | 11/30/76         | 20             | 9452            | 4558N                              | 06002W                              | 17.7         | 152.8        | GGGG                               |                     |                      | 6                       | 28                     |
| 2678-13571        | 00000/0000                   | 2-20036/1680                | 11/30/76         | 20             | 9452            | 4433N                              | 06036W                              | 18.8         | 152.2        | GGGF                               |                     |                      | 6                       | 29                     |
| 2678-13573        | 00000/0000                   | 2-20036/1681                | 11/30/76         | 40             | 9452            | 4308N                              | 06109W                              | 19.9         | 151.5        | GGGF                               |                     |                      | 6                       | 30                     |
| 2678-13580        | 00000/0000                   | 2-20036/1682                | 11/30/76         | 60             | 9452            | 4142N                              | 06140W                              | 21.0         | 150.9        | FGGG                               |                     |                      | 6                       | 31                     |
| 2678-15384        | 2-20037/1366                 | 00000/0000                  | 11/30/76         | 10             | 9453            | 5013N                              | 08355W                              | 14.3         | 154.8        | GGG                                |                     |                      | 24                      | 25                     |
| 2678-15385        | 00000/0000                   | 2-20036/1683                | 11/30/76         | 10             | 9453            | 5011N                              | 08401W                              | 14.4         | 154.7        | GGGG                               |                     |                      | 24                      | 25                     |
| 2678-17275        | 00000/0000                   | 2-20036/1468                | 11/30/76         | 0              | 9454            | 3016N                              | 11653W                              | 29.5         | 145.5        | GGGF                               |                     |                      | 42                      | 39                     |
| 2678-17282        | 00000/0000                   | 2-20036/1472                | 11/30/76         | 0              | 9454            | 2850N                              | 11717W                              | 30.6         | 144.7        | GG                                 |                     | H                    | 42                      | 40                     |
| 2678-17284        | 00000/0000                   | 2-20036/1469                | 11/30/76         | 10             | 9454            | 2724N                              | 11741W                              | 31.6         | 144.0        | FFFF                               |                     | H                    | 42                      | 41                     |
| 2678-17291        | 00000/0000                   | 2-20036/1470                | 11/30/76         | 20             | 9454            | 2584N                              | 11804W                              | 32.6         | 143.2        | GGGG                               |                     | H                    | 42                      | 42                     |
| 2678-17293        | 00000/0000                   | 2-20036/1471                | 11/30/76         | 40             | 9454            | 2491N                              | 11827W                              | 33.6         | 142.3        | GGGG                               |                     | H                    | 42                      | 43                     |
| 2679-02053        | 00000/0000                   | 2-20036/1638                | 11/30/76         | 0              | 9457            | 3139S                              | 15019E                              | 50.6         | 86.3         | GGGG                               |                     |                      | 96                      | 82                     |
| 2679-02012        | 00000/0000                   | 2-20036/1639                | 12/01/76         | 10             | 9459            | 4015N                              | 11707E                              | 22.0         | 150.2        | GGGG                               |                     |                      | 132                     | 32                     |
| 2679-02014        | 00000/0000                   | 2-20036/1640                | 12/01/76         | 0              | 9459            | 3850N                              | 11638E                              | 23.1         | 149.6        | GGGG                               |                     |                      | 132                     | 33                     |
| 2679-02021        | 00000/0000                   | 2-20036/1641                | 12/01/76         | 0              | 9459            | 3725N                              | 11610E                              | 24.2         | 148.9        | FGGG                               |                     |                      | 132                     | 34                     |
| 2679-02023        | 00000/0000                   | 2-20036/1642                | 12/01/76         | 0              | 9459            | 3559N                              | 11543E                              | 25.3         | 148.3        | GGGG                               |                     |                      | 132                     | 35                     |
| 2679-02030        | 00000/0000                   | 2-20036/1643                | 12/01/76         | 0              | 9459            | 3433N                              | 11517E                              | 26.3         | 147.6        | GGGG                               |                     |                      | 132                     | 36                     |
| 2679-02032        | 00000/0000                   | 2-20036/1644                | 12/01/76         | 10             | 9459            | 3308N                              | 11451E                              | 27.4         | 146.9        | GGGG                               |                     |                      | 132                     | 37                     |
| 2679-02035        | 00000/0000                   | 2-20036/1645                | 12/01/76         | 0              | 9459            | 3142N                              | 11425E                              | 28.4         | 146.2        | GGGG                               |                     |                      | 132                     | 38                     |
| 2679-02041        | 00000/0000                   | 2-20036/1646                | 12/01/76         | 30             | 9459            | 3015N                              | 11401E                              | 29.5         | 145.5        | GGGG                               |                     |                      | 132                     | 39                     |
| 2679-02044        | 00000/0000                   | 2-20036/1647                | 12/01/76         | 90             | 9459            | 2849N                              | 11337E                              | 30.5         | 144.7        | GGGG                               |                     |                      | 132                     | 40                     |
| 2679-02050        | 00000/0000                   | 2-20036/1648                | 12/01/76         | 90             | 9459            | 2723N                              | 11313E                              | 31.5         | 144.0        | GGGG                               |                     |                      | 132                     | 41                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER  
 IMAGE QUALITY ..... BLANKS BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|--------------------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2679-02053        | 00000/0000                   | 2-20036/1649                         | 12/01/76         | 100            | 9459            | 2557N 11250E                            | 32.5         | 143.2        | GGGG                               |                     |                      | 132                     | 42                     |
| 2679-02055        | 00000/0000                   | 2-20036/1650                         | 12/01/76         | 100            | 9459            | 2430N 11227E                            | 35.5         | 142.4        | GGGG                               |                     |                      | 132                     | 43                     |
| 2679-02062        | 00000/0000                   | 2-20036/1651                         | 12/01/76         | 90             | 9459            | 2305N 11204E                            | 34.5         | 141.5        | GGGG                               |                     |                      | 132                     | 44                     |
| 2679-02064        | 00000/0000                   | 2-20036/1652                         | 12/01/76         | 40             | 9459            | 2139N 11142E                            | 35.4         | 140.7        | GGGG                               |                     |                      | 132                     | 45                     |
| 2679-03420        | 00000/0000                   | 2-20036/1693                         | 12/01/76         | 70             | 9460            | 4845N 09438E                            | 15.4         | 154.0        | FGGF                               |                     |                      | 150                     | 26                     |
| 2679-03423        | 00000/0000                   | 2-20036/1694                         | 12/01/76         | 80             | 9460            | 4720N 09402E                            | 16.5         | 153.4        | FGGF                               |                     |                      | 150                     | 27                     |
| 2679-03425        | 00000/0000                   | 2-20036/1695                         | 12/01/76         | 30             | 9460            | 4555N 09327E                            | 17.6         | 152.8        | GGGF                               |                     |                      | 150                     | 28                     |
| 2679-03432        | 00000/0000                   | 2-20036/1696                         | 12/01/76         | 30             | 9460            | 4430N 09253E                            | 18.7         | 152.1        | FFFF                               |                     |                      | 150                     | 29                     |
| 2679-03434        | 00000/0000                   | 2-20036/1697                         | 12/01/76         | 20             | 9460            | 4305N 09221E                            | 19.8         | 151.5        | FFFF                               |                     |                      | 150                     | 30                     |
| 2679-03441        | 00000/0000                   | 2-20036/1698                         | 12/01/76         | 60             | 9460            | 4140N 09150E                            | 20.9         | 150.9        | FFFF                               |                     |                      | 150                     | 31                     |
| 2679-03443        | 00000/0000                   | 2-20036/1699                         | 12/01/76         | 20             | 9460            | 4015N 09120E                            | 22.0         | 150.2        | FGGF                               |                     |                      | 150                     | 32                     |
| 2679-03450        | 00000/0000                   | 2-20036/1700                         | 12/01/76         | 0              | 9460            | 3849N 09051E                            | 23.1         | 149.6        | FGGG                               |                     |                      | 150                     | 33                     |
| 2679-03452        | 00000/0000                   | 2-20036/1701                         | 12/01/76         | 20             | 9460            | 3724N 09023E                            | 24.2         | 148.9        | FGGG                               |                     |                      | 150                     | 34                     |
| 2679-03455        | 00000/0000                   | 2-20036/1702                         | 12/01/76         | 30             | 9460            | 3558N 08956E                            | 25.3         | 148.3        | FFFF                               |                     |                      | 150                     | 35                     |
| 2679-03461        | 00000/0000                   | 2-20036/1703                         | 12/01/76         | 10             | 9460            | 3433N 08929E                            | 26.3         | 147.6        | FGGF                               |                     |                      | 150                     | 36                     |
| 2679-03464        | 00000/0000                   | 2-20036/1704                         | 12/01/76         | 0              | 9460            | 3307N 08903E                            | 27.4         | 146.9        | FGGF                               |                     |                      | 150                     | 37                     |
| 2679-03470        | 00000/0000                   | 2-20036/1705                         | 12/01/76         | 0              | 9460            | 3141N 08837E                            | 28.4         | 146.2        | FGGF                               |                     |                      | 150                     | 38                     |
| 2679-03473        | 00000/0000                   | 2-20036/1706                         | 12/01/76         | 0              | 9460            | 3016N 08812E                            | 29.5         | 145.5        | GGGF                               |                     |                      | 150                     | 39                     |
| 2679-03475        | 00000/0000                   | 2-20036/1707                         | 12/01/76         | 0              | 9460            | 2850N 08748E                            | 30.5         | 144.7        | GGGG                               |                     |                      | 150                     | 40                     |
| 2679-03482        | 00000/0000                   | 2-20036/1708                         | 12/01/76         | 10             | 9460            | 2724N 08725E                            | 31.5         | 144.0        | GGGG                               |                     |                      | 150                     | 41                     |
| 2679-03484        | 00000/0000                   | 2-20036/1709                         | 12/01/76         | 0              | 9460            | 2557N 08702E                            | 32.5         | 143.2        | FFFF                               |                     |                      | 150                     | 42                     |
| 2679-03491        | 00000/0000                   | 2-20036/1710                         | 12/01/76         | 0              | 9460            | 2431N 08640E                            | 33.5         | 142.4        | FFGG                               |                     |                      | 150                     | 43                     |
| 2679-03493        | 00000/0000                   | 2-20036/1711                         | 12/01/76         | 0              | 9460            | 2305N 08617E                            | 34.5         | 141.5        | FFGG                               |                     |                      | 150                     | 44                     |
| 2679-03500        | 00000/0000                   | 2-20036/1712                         | 12/01/76         | 10             | 9460            | 2138N 08555E                            | 35.4         | 140.6        | GGGG                               |                     |                      | 150                     | 45                     |
| 2679-03502        | 00000/0000                   | 2-20036/1713                         | 12/01/76         | 10             | 9460            | 2012N 08532E                            | 36.4         | 139.3        | FFGF                               |                     |                      | 150                     | 46                     |
| 2679-03505        | 00000/0000                   | 2-20036/1714                         | 12/01/76         | 10             | 9460            | 1846N 08510E                            | 37.3         | 138.8        | GGGF                               |                     |                      | 150                     | 47                     |
| 2679-03511        | 00000/0000                   | 2-20036/1715                         | 12/01/76         | 40             | 9460            | 1719N 08449E                            | 38.2         | 137.9        | GGGF                               |                     |                      | 150                     | 48                     |
| 2679-03514        | 00000/0000                   | 2-20036/1716                         | 12/01/76         | 90             | 9460            | 1552N 08427E                            | 39.1         | 136.9        | GGGG                               |                     |                      | 150                     | 49                     |
| 2679-03520        | 00000/0000                   | 2-20036/1717                         | 12/01/76         | 30             | 9460            | 1426N 08406E                            | 40.0         | 135.8        | GGGF                               |                     |                      | 150                     | 50                     |
| 2679-03523        | 00000/0000                   | 2-20036/1718                         | 12/01/76         | 30             | 9460            | 1300N 08346E                            | 40.9         | 134.8        | GGGF                               |                     |                      | 150                     | 51                     |
| 2679-035231       | 00000/0000                   | 2-20036/1719                         | 12/01/76         | 90             | 9461            | 5545N 07222E                            | 9.8          | 157.5        | FFFF                               |                     |                      | 168                     | 21                     |
| 2679-035234       | 00000/0000                   | 2-20036/1720                         | 12/01/76         | 90             | 9461            | 5422N 07135E                            | 10.9         | 156.7        | GGGG                               |                     |                      | 168                     | 22                     |
| 2679-035240       | 00000/0000                   | 2-20036/1721                         | 12/01/76         | 90             | 9461            | 5258N 07050E                            | 12.0         | 156.0        | GGGF                               |                     |                      | 168                     | 23                     |
| 2679-035243       | 00000/0000                   | 2-20036/1722                         | 12/01/76         | 90             | 9461            | 5134N 07007E                            | 13.1         | 155.4        | GGGG                               |                     |                      | 168                     | 24                     |
| 2679-035245       | 00000/0000                   | 2-20036/1723                         | 12/01/76         | 70             | 9461            | 5009N 06927E                            | 14.3         | 154.7        | GGGG                               |                     |                      | 168                     | 25                     |
| 2679-035252       | 00000/0000                   | 2-20036/1724                         | 12/01/76         | 20             | 9461            | 4845N 06849E                            | 15.4         | 154.0        | GGGF                               |                     |                      | 168                     | 26                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2679-05254        | 00000/0000                   | 2-20036/1725                | 12/01/76         | 10             | 9461            | 4720N                              | 06812E                              | 16.5         | 153.4        | GGGG                               |                     |                      | 168                     | 27                     |
| 2679-05261        | 00000/0000                   | 2-20036/1726                | 12/01/76         | 40             | 9461            | 4555N                              | 06737E                              | 17.6         | 152.8        | GGGG                               |                     |                      | 168                     | 28                     |
| 2679-05263        | 00000/0000                   | 2-20036/1727                | 12/01/76         | 80             | 9461            | 4430N                              | 06704E                              | 18.7         | 152.1        | GGGG                               |                     |                      | 168                     | 29                     |
| 2679-05270        | 00000/0000                   | 2-20036/1728                | 12/01/76         | 80             | 9461            | 4305N                              | 06632E                              | 19.8         | 151.5        | GGGG                               |                     |                      | 168                     | 30                     |
| 2679-05272        | 00000/0000                   | 2-20036/1729                | 12/01/76         | 70             | 9461            | 4140N                              | 06601E                              | 20.9         | 150.9        | GGGG                               |                     |                      | 168                     | 31                     |
| 2679-05275        | 00000/0000                   | 2-20036/1730                | 12/01/76         | 70             | 9461            | 4014N                              | 06530E                              | 22.0         | 150.2        | GGGG                               |                     |                      | 168                     | 32                     |
| 2679-05281        | 00000/0000                   | 2-20036/1731                | 12/01/76         | 40             | 9461            | 3849N                              | 06501E                              | 23.1         | 149.6        | GGGG                               |                     |                      | 168                     | 33                     |
| 2679-05284        | 00000/0000                   | 2-20036/1732                | 12/01/76         | 10             | 9461            | 3723N                              | 06433E                              | 24.2         | 148.9        | GGGG                               |                     |                      | 168                     | 34                     |
| 2679-05290        | 00000/0000                   | 2-20036/1733                | 12/01/76         | 10             | 9461            | 3557N                              | 06406E                              | 25.2         | 148.3        | GGGG                               |                     |                      | 168                     | 35                     |
| 2679-05293        | 00000/0000                   | 2-20036/1734                | 12/01/76         | 0              | 9461            | 3432N                              | 06339E                              | 26.3         | 147.6        | GGGG                               |                     |                      | 168                     | 36                     |
| 2679-05295        | 00000/0000                   | 2-20036/1735                | 12/01/76         | 10             | 9461            | 3307N                              | 06313E                              | 27.4         | 146.9        | GGGG                               |                     |                      | 168                     | 37                     |
| 2679-05302        | 00000/0000                   | 2-20036/1736                | 12/01/76         | 10             | 9461            | 3141N                              | 06247E                              | 28.4         | 146.2        | GGGG                               |                     |                      | 168                     | 38                     |
| 2679-05304        | 00000/0000                   | 2-20036/1737                | 12/01/76         | 0              | 9461            | 3016N                              | 06222E                              | 29.4         | 145.5        | GGGG                               |                     |                      | 168                     | 39                     |
| 2679-05311        | 00000/0000                   | 2-20036/1738                | 12/01/76         | 0              | 9461            | 2850N                              | 06158E                              | 30.5         | 144.7        | GGGG                               |                     |                      | 168                     | 40                     |
| 2679-05313        | 00000/0000                   | 2-20036/1739                | 12/01/76         | 0              | 9461            | 2723N                              | 06135E                              | 31.5         | 144.0        | GGGG                               |                     |                      | 168                     | 41                     |
| 2679-05320        | 00000/0000                   | 2-20036/1740                | 12/01/76         | 10             | 9461            | 2557N                              | 06112E                              | 32.5         | 143.2        | GGGG                               |                     |                      | 168                     | 42                     |
| 2679-05322        | 00000/0000                   | 2-20036/1741                | 12/01/76         | 10             | 9461            | 2431N                              | 06049E                              | 33.5         | 142.4        | GGGG                               |                     |                      | 168                     | 43                     |
| 2679-07072        | 00000/0000                   | 2-20036/0731                | 12/01/76         | 90             | 9462            | 5301N                              | 04503E                              | 12.0         | 156.1        | FGGP                               |                     |                      | 186                     | 23                     |
| 2679-07074        | 00000/0000                   | 2-20036/0732                | 12/01/76         | 90             | 9462            | 5137N                              | 04421E                              | 13.1         | 155.4        | FGGG                               |                     |                      | 186                     | 24                     |
| 2679-07081        | 00000/0000                   | 2-20036/0733                | 12/01/76         | 90             | 9462            | 5012N                              | 04340E                              | 14.2         | 154.7        | FGFG                               |                     |                      | 186                     | 25                     |
| 2679-07083        | 00000/0000                   | 2-20036/0734                | 12/01/76         | 100            | 9462            | 4847N                              | 04302E                              | 15.3         | 154.1        | GG G                               |                     |                      | 186                     | 26                     |
| 2679-07090        | 00000/0000                   | 2-20036/0735                | 12/01/76         | 100            | 9462            | 4723N                              | 04225E                              | 16.4         | 153.4        | GGGG                               |                     |                      | 186                     | 27                     |
| 2679-07092        | 00000/0000                   | 2-20036/0736                | 12/01/76         | 70             | 9462            | 4558N                              | 04149E                              | 17.6         | 152.8        | GGGG                               |                     |                      | 186                     | 28                     |
| 2679-07095        | 00000/0000                   | 2-20036/0737                | 12/01/76         | 10             | 9462            | 4433N                              | 04115E                              | 18.7         | 152.2        | GGGG                               |                     |                      | 186                     | 29                     |
| 2679-12432        | 00000/0000                   | 2-20036/0738                | 12/01/76         | 80             | 9465            | 3724S                              | 05801W                              | 48.9         | 80.6         | FFFF                               |                     |                      | 240                     | 86                     |
| 2679-12435        | 00000/0000                   | 2-20036/0705                | 12/01/76         | 10             | 9465            | 3848S                              | 05829W                              | 48.4         | 79.3         | GGGF                               |                     |                      | 240                     | 87                     |
| 2679-14002        | 00000/0000                   | 2-20036/1684                | 12/01/76         | 0              | 9466            | 5259N                              | 05815W                              | 11.9         | 156.0        | GGGG                               |                     |                      | 7                       | 23                     |
| 2679-14005        | 00000/0000                   | 2-20036/1685                | 12/01/76         | 10             | 9466            | 5135N                              | 05858W                              | 13.1         | 155.3        | GGGG                               |                     |                      | 7                       | 24                     |
| 2679-14011        | 00000/0000                   | 2-20036/1686                | 12/01/76         | 10             | 9466            | 5011N                              | 05938W                              | 14.2         | 154.7        | GGGG                               |                     |                      | 7                       | 25                     |
| 2679-14014        | 00000/0000                   | 2-20036/1687                | 12/01/76         | 30             | 9466            | 4846N                              | 06016W                              | 15.3         | 154.0        | GGGG                               |                     |                      | 7                       | 26                     |
| 2679-14020        | 00000/0000                   | 2-20036/1688                | 12/01/76         | 40             | 9466            | 4722N                              | 06052W                              | 16.4         | 153.4        | GGGG                               |                     |                      | 7                       | 27                     |
| 2679-14023        | 00000/0000                   | 2-20036/1689                | 12/01/76         | 20             | 9466            | 4557N                              | 06127W                              | 17.5         | 152.8        | GGGG                               |                     |                      | 7                       | 28                     |
| 2679-14025        | 00000/0000                   | 2-20036/1690                | 12/01/76         | 20             | 9466            | 4432N                              | 06201W                              | 18.6         | 152.1        | GGGG                               |                     |                      | 7                       | 29                     |
| 2679-14032        | 00000/0000                   | 2-20036/1691                | 12/01/76         | 50             | 9466            | 4307N                              | 06234W                              | 19.7         | 151.5        | GGGG                               |                     |                      | 7                       | 30                     |
| 2679-14034        | 00000/0000                   | 2-20036/1692                | 12/01/76         | 80             | 9466            | 4141N                              | 06305W                              | 20.8         | 150.9        | GGGG                               |                     |                      | 7                       | 31                     |
| 2679-17333        | 00000/0000                   | 2-20036/1742                | 12/01/76         | 0              | 9468            | 3045N                              | 11818W                              | 29.4         | 145.5        | GGGF                               |                     |                      | 43                      | 39                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR N4N-US  
FROM 01/22/76 TO 01/32/77

PAGE 0602

| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-------------------------------------|------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2679-17340        | 00000/0000                          | 2-20036/1747     | 12/01/76         | 0              | 9468            | 2850N                                   | 11842W       | 30.4         | 144.7                              | GG                  |                      | 43                      | 40                     |
| 2679-17342        | 00000/0000                          | 2-20036/1743     | 12/01/76         | 0              | 9468            | 2723N                                   | 11906W       | 31.4         | 144.0                              | FGGG                | H                    | 43                      | 41                     |
| 2679-17345        | 00000/0000                          | 2-20036/1744     | 12/01/76         | 10             | 9468            | 2557N                                   | 11929W       | 32.4         | 143.2                              | FGGG                | H                    | 43                      | 42                     |
| 2679-17351        | 00000/0000                          | 2-20036/1745     | 12/01/76         | 40             | 9468            | 2431N                                   | 11952W       | 33.4         | 142.4                              | GGFG                | H                    | 43                      | 43                     |
| 2679-17354        | 00000/0000                          | 2-20036/1746     | 12/01/76         | 50             | 9468            | 2304N                                   | 12015W       | 34.4         | 141.5                              | GGFG                | H                    | 43                      | 44                     |
| 2680-00450        | 00000/0000                          | 2-20036/0706     | 12/02/76         | 10             | 9472            | 3307S                                   | 12236E       | 50.2         | 85.0                               | GGGG                |                      | 115                     | 83                     |
| 2680-02063        | 00000/0000                          | 2-20036/0707     | 12/02/76         | 0              | 9473            | 4140N                                   | 11612E       | 20.8         | 150.8                              | GGGG                |                      | 133                     | 31                     |
| 2680-02070        | 00000/0000                          | 2-20036/0708     | 12/02/76         | 10             | 9473            | 4015N                                   | 11642E       | 21.9         | 150.2                              | GGGG                |                      | 133                     | 32                     |
| 2680-02072        | 00000/0000                          | 2-20036/0709     | 12/02/76         | 10             | 9473            | 3849N                                   | 11513E       | 22.9         | 149.6                              | GGGG                |                      | 133                     | 33                     |
| 2680-02075        | 00000/0000                          | 2-20036/0710     | 12/02/76         | 10             | 9473            | 3724N                                   | 11445E       | 24.0         | 148.9                              | FGFG                |                      | 133                     | 34                     |
| 2680-02081        | 00000/0000                          | 2-20036/0711     | 12/02/76         | 0              | 9473            | 3558N                                   | 11417E       | 25.1         | 148.2                              | FGGG                |                      | 133                     | 35                     |
| 2680-02084        | 00000/0000                          | 2-20036/0712     | 12/02/76         | 0              | 9473            | 3432N                                   | 11351E       | 26.2         | 147.6                              | FGGG                |                      | 133                     | 36                     |
| 2680-02090        | 00000/0000                          | 2-20036/0713     | 12/02/76         | 0              | 9473            | 3307N                                   | 11325E       | 27.2         | 146.9                              | FGGG                |                      | 133                     | 37                     |
| 2680-02093        | 00000/0000                          | 2-20036/0714     | 12/02/76         | 10             | 9473            | 3141N                                   | 11300E       | 28.3         | 146.2                              | FFGG                |                      | 133                     | 38                     |
| 2680-02095        | 00000/0000                          | 2-20036/0715     | 12/02/76         | 10             | 9473            | 3015N                                   | 11235E       | 29.3         | 145.5                              | FFGG                |                      | 133                     | 39                     |
| 2680-02102        | 00000/0000                          | 2-20036/0716     | 12/02/76         | 10             | 9473            | 2850N                                   | 11210E       | 30.3         | 144.7                              | FGGG                |                      | 133                     | 40                     |
| 2680-02104        | 00000/0000                          | 2-20036/0717     | 12/02/76         | 40             | 9473            | 2724N                                   | 11146E       | 31.3         | 144.0                              | FGGG                |                      | 133                     | 41                     |
| 2680-02111        | 00000/0000                          | 2-20036/0718     | 12/02/76         | 70             | 9473            | 2558N                                   | 11123E       | 32.3         | 143.2                              | GGGG                |                      | 133                     | 42                     |
| 2680-02113        | 00000/0000                          | 2-20036/0719     | 12/02/76         | 30             | 9473            | 2431N                                   | 11100E       | 33.3         | 142.4                              | GGGG                |                      | 133                     | 43                     |
| 2680-02120        | 00000/0000                          | 2-20036/0720     | 12/02/76         | 30             | 9473            | 2305N                                   | 11038E       | 34.3         | 141.5                              | GGGG                |                      | 133                     | 44                     |
| 2680-02122        | 00000/0000                          | 2-20036/0721     | 12/02/76         | 10             | 9473            | 2138N                                   | 11016E       | 35.3         | 140.7                              | GGGG                |                      | 133                     | 45                     |
| 2680-02125        | 00000/0000                          | 2-20036/0722     | 12/02/76         | 60             | 9473            | 2012N                                   | 10954E       | 36.2         | 139.8                              | GGGG                |                      | 133                     | 46                     |
| 2680-03474        | 00000/0000                          | 2-20036/1763     | 12/02/76         | 10             | 9474            | 4848N                                   | 09313E       | 15.2         | 154.0                              | G                   |                      | 151                     | 26                     |
| 2680-03481        | 00000/0000                          | 2-20036/1764     | 12/02/76         | 0              | 9474            | 4723N                                   | 09237E       | 16.3         | 153.4                              | GGGG                |                      | 151                     | 27                     |
| 2680-03490        | 00000/0000                          | 2-20036/1765     | 12/02/76         | 10             | 9474            | 4433N                                   | 09128E       | 18.3         | 152.1                              | GGGG                |                      | 151                     | 28                     |
| 2680-03492        | 00000/0000                          | 2-20036/1766     | 12/02/76         | 10             | 9474            | 4308N                                   | 09056E       | 19.6         | 151.5                              | GGGG                |                      | 151                     | 29                     |
| 2680-03495        | 00000/0000                          | 2-20036/1767     | 12/02/76         | 0              | 9474            | 4143N                                   | 09025E       | 20.7         | 150.9                              | GGGG                |                      | 151                     | 30                     |
| 2680-03501        | 00000/0000                          | 2-20036/1768     | 12/02/76         | 0              | 9474            | 4018N                                   | 08954E       | 21.8         | 150.2                              | GGGG                |                      | 151                     | 31                     |
| 2680-03504        | 00000/0000                          | 2-20036/1769     | 12/02/76         | 10             | 9474            | 3852N                                   | 08925E       | 22.9         | 149.6                              | FGGG                |                      | 151                     | 32                     |
| 2680-03510        | 00000/0000                          | 2-20036/1770     | 12/02/76         | 10             | 9474            | 3727N                                   | 08857E       | 24.0         | 148.9                              | FGGG                |                      | 151                     | 33                     |
| 2680-03513        | 00000/0000                          | 2-20036/1771     | 12/02/76         | 0              | 9474            | 3601N                                   | 08830E       | 25.0         | 148.3                              | GGGG                |                      | 151                     | 34                     |
| 2680-03515        | 00000/0000                          | 2-20036/1772     | 12/02/76         | 0              | 9474            | 3436N                                   | 08803E       | 26.1         | 147.6                              | GGGG                |                      | 151                     | 35                     |
| 2680-03522        | 00000/0000                          | 2-20036/1773     | 12/02/76         | 0              | 9474            | 3310N                                   | 08737E       | 27.2         | 146.9                              | GGGG                |                      | 151                     | 36                     |
| 2680-03524        | 00000/0000                          | 2-20036/1774     | 12/02/76         | 0              | 9474            | 3144N                                   | 08712E       | 28.2         | 146.2                              | GGGG                |                      | 151                     | 37                     |
| 2680-03531        | 00000/0000                          | 2-20036/1775     | 12/02/76         | 0              | 9474            | 3019N                                   | 08647E       | 29.2         | 145.5                              | GGGG                |                      | 151                     | 38                     |
| 2680-03533        | 00000/0000                          | 2-20036/1776     | 12/02/76         | 0              | 9474            | 2853N                                   | 08623E       | 30.3         | 144.7                              | GGGG                |                      | 151                     | 39                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANHSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2680-03540        | 00000/0000                   | 2-20036/1777                | 12/02/76         | 10             | 9474            | 2727N 08559E                            | 31.3         | 144.0        | FFFF                               |                     |                      | 151                     | 41                     |
| 2680-03551        | 00000/0000                   | 2-20036/1778                | 12/02/76         | 0              | 9474            | 2308N 08451E                            | 34.3         | 141.6        | GGGG                               |                     |                      | 151                     | 44                     |
| 2680-03554        | 00000/0000                   | 2-20036/1779                | 12/02/76         | 0              | 9474            | 2141N 08429E                            | 35.2         | 140.7        | GGGG                               |                     |                      | 151                     | 45                     |
| 2680-03563        | 00000/0000                   | 2-20036/1780                | 12/02/76         | 10             | 9474            | 1848N 08345E                            | 37.1         | 138.9        | GGGG                               |                     |                      | 151                     | 47                     |
| 2680-03572        | 00000/0000                   | 2-20036/1781                | 12/02/76         | 30             | 9474            | 1555N 08302E                            | 38.9         | 137.0        | GGGG                               |                     |                      | 151                     | 49                     |
| 2680-03574        | 00000/0000                   | 2-20036/1782                | 12/02/76         | 20             | 9474            | 1429N 08241E                            | 39.8         | 135.9        | GGGG                               |                     |                      | 151                     | 50                     |
| 2680-03592        | 00000/0000                   | 2-20036/1783                | 12/02/76         | 70             | 9475            | 5425N 07010E                            | 10.7         | 156.7        | PP                                 |                     |                      | 169                     | 22                     |
| 2680-03594        | 00000/0000                   | 2-20036/1784                | 12/02/76         | 90             | 9475            | 5300N 06926E                            | 11.8         | 156.0        | PFPP                               |                     |                      | 169                     | 23                     |
| 2680-03591        | 00000/0000                   | 2-20036/1785                | 12/02/76         | 80             | 9475            | 5136N 06844E                            | 12.9         | 155.3        | GGGG                               |                     |                      | 169                     | 24                     |
| 2680-03593        | 00000/0000                   | 2-20036/1786                | 12/02/76         | 80             | 9475            | 5012N 06804E                            | 14.1         | 154.7        | FFFF                               |                     |                      | 169                     | 25                     |
| 2680-03510        | 00000/0000                   | 2-20036/1787                | 12/02/76         | 70             | 9475            | 4847N 06726E                            | 15.2         | 154.0        | GGGG                               |                     |                      | 169                     | 26                     |
| 2680-03512        | 00000/0000                   | 2-20036/1788                | 12/02/76         | 20             | 9475            | 4723N 06650E                            | 16.3         | 153.4        | FFFF                               |                     |                      | 169                     | 27                     |
| 2680-03515        | 00000/0000                   | 2-20036/1789                | 12/02/76         | 10             | 9475            | 4558N 06614E                            | 17.4         | 152.7        | FFFF                               |                     |                      | 169                     | 28                     |
| 2680-03521        | 00000/0000                   | 2-20036/1790                | 12/02/76         | 20             | 9475            | 4433N 06540E                            | 18.5         | 152.1        | PPPG                               |                     |                      | 169                     | 29                     |
| 2680-03524        | 00000/0000                   | 2-20036/1791                | 12/02/76         | 60             | 9475            | 4308N 06506E                            | 19.6         | 151.5        | FPPG                               |                     |                      | 169                     | 30                     |
| 2680-03530        | 00000/0000                   | 2-20036/1792                | 12/02/76         | 60             | 9475            | 4143N 06435E                            | 20.7         | 150.9        | FFFF                               |                     |                      | 169                     | 31                     |
| 2680-03533        | 00000/0000                   | 2-20036/1793                | 12/02/76         | 40             | 9475            | 4018N 06404E                            | 21.8         | 150.2        | GGGG                               |                     |                      | 169                     | 32                     |
| 2680-03535        | 00000/0000                   | 2-20036/1794                | 12/02/76         | 10             | 9475            | 3852N 06335E                            | 22.9         | 149.6        | GGGG                               |                     |                      | 169                     | 33                     |
| 2680-03542        | 00000/0000                   | 2-20036/1795                | 12/02/76         | 10             | 9475            | 3727N 06307E                            | 24.0         | 148.9        | GGGG                               |                     |                      | 169                     | 34                     |
| 2680-03544        | 00000/0000                   | 2-20036/1796                | 12/02/76         | 10             | 9475            | 3601N 06240E                            | 25.0         | 148.3        | GGGG                               |                     |                      | 169                     | 35                     |
| 2680-03551        | 00000/0000                   | 2-20036/1797                | 12/02/76         | 10             | 9475            | 3436N 06213E                            | 26.1         | 147.6        | PPPG                               |                     |                      | 169                     | 36                     |
| 2680-03553        | 00000/0000                   | 2-20036/1798                | 12/02/76         | 10             | 9475            | 3310N 06147E                            | 27.2         | 146.9        | PPPG                               |                     |                      | 169                     | 37                     |
| 2680-03560        | 00000/0000                   | 2-20036/1799                | 12/02/76         | 0              | 9475            | 3144N 06121E                            | 28.2         | 146.2        | PPPG                               |                     |                      | 169                     | 38                     |
| 2680-03562        | 00000/0000                   | 2-20036/1800                | 12/02/76         | 0              | 9475            | 3018N 06056E                            | 29.2         | 145.5        | PPPG                               |                     |                      | 169                     | 39                     |
| 2680-03565        | 00000/0000                   | 2-20036/1801                | 12/02/76         | 0              | 9475            | 2851N 06032E                            | 30.3         | 144.7        | PPPG                               |                     |                      | 169                     | 40                     |
| 2680-03571        | 00000/0000                   | 2-20036/1802                | 12/02/76         | 10             | 9475            | 2725N 06008E                            | 31.3         | 144.0        | PPPG                               |                     |                      | 169                     | 41                     |
| 2680-03530        | 00000/0000                   | 2-20036/1803                | 12/02/76         | 10             | 9475            | 2433N 05922E                            | 33.3         | 142.4        | GFGP                               |                     |                      | 169                     | 43                     |
| 2680-07130        | 00000/0000                   | 2-20037/0609                | 12/02/76         | 100            | 9476            | 5301N 04336E                            | 11.8         | 156.0        | GGGG                               |                     |                      | 187                     | 23                     |
| 2680-07132        | 00000/0000                   | 2-20037/0610                | 12/02/76         | 100            | 9476            | 5137N 04254E                            | 12.9         | 155.3        | GGGG                               |                     |                      | 187                     | 24                     |
| 2680-07135        | 00000/0000                   | 2-20037/0611                | 12/02/76         | 100            | 9476            | 5012N 04214E                            | 14.0         | 154.7        | GGGG                               |                     |                      | 187                     | 25                     |
| 2680-07141        | 00000/0000                   | 2-20037/0612                | 12/02/76         | 100            | 9476            | 4847N 04136E                            | 15.2         | 154.0        | GGGG                               |                     |                      | 187                     | 26                     |
| 2680-07144        | 00000/0000                   | 2-20037/0613                | 12/02/76         | 90             | 9476            | 4722N 04059E                            | 16.3         | 153.4        | FGGG                               |                     |                      | 187                     | 27                     |
| 2680-07150        | 00000/0000                   | 2-20037/0614                | 12/02/76         | 20             | 9476            | 4557N 04023E                            | 17.4         | 152.7        | GGGG                               |                     |                      | 187                     | 28                     |
| 2680-07153        | 00000/0000                   | 2-20037/0615                | 12/02/76         | 20             | 9476            | 4432N 03949E                            | 18.5         | 152.1        | PPGG                               |                     |                      | 187                     | 29                     |
| 2680-12484        | 00000/0000                   | 2-20037/0616                | 12/02/76         | 40             | 9479            | 3559S 05859W                            | 49.4         | 82.3         | FFFF                               |                     |                      | 241                     | 85                     |
| 2680-12490        | 00000/0000                   | 2-20037/0587                | 12/02/76         | 10             | 9479            | 3724S 05927W                            | 48.9         | 80.9         | PPP                                |                     |                      | 241                     | 86                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

PAGE 0604

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SAT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|------------------------|
| 2680-12493        | 00000/0000                   | 2-20037/0588                | 12/02/76         | 10             | 9479          | 3850S                        | 05955W        | 48.3         | 79.6         | .GGGG                 |                     |                      | 241                   | 87                     |
| 2680-14051        | 00000/0000                   | 2-20036/1748                | 12/02/76         | 10             | 9480          | 5549N                        | 05408W        | 9.5          | 157.4        | GGGG                  |                     |                      | 8                     | 21                     |
| 2680-14054        | 00000/0000                   | 2-20036/1749                | 12/02/76         | 20             | 9480          | 5425N                        | 05455W        | 10.6         | 156.7        | GGGG                  |                     |                      | 8                     | 22                     |
| 2680-14060        | 00000/0000                   | 2-20036/1750                | 12/02/76         | 20             | 9480          | 5371N                        | 05940W        | 11.7         | 156.0        | GGGG                  |                     |                      | 8                     | 23                     |
| 2680-14063        | 00000/0000                   | 2-20036/1751                | 12/02/76         | 40             | 9480          | 5177N                        | 06023W        | 12.9         | 155.3        | GGGG                  |                     |                      | 8                     | 24                     |
| 2680-14065        | 00000/0000                   | 2-20036/1752                | 12/02/76         | 40             | 9480          | 5013N                        | 06103W        | 14.0         | 154.6        | GGGG                  |                     |                      | 8                     | 25                     |
| 2680-14072        | 00000/0000                   | 2-20036/1753                | 12/02/76         | 80             | 9480          | 4848N                        | 06142W        | 15.1         | 154.0        | GGGG                  |                     |                      | 8                     | 26                     |
| 2680-14074        | 00000/0000                   | 2-20036/1754                | 12/02/76         | 50             | 9480          | 4724N                        | 06218W        | 16.2         | 153.4        | GGGG                  |                     |                      | 8                     | 27                     |
| 2680-14081        | 00000/0000                   | 2-20036/1755                | 12/02/76         | 50             | 9480          | 4559N                        | 06253W        | 17.3         | 152.7        | GGGG                  |                     |                      | 8                     | 28                     |
| 2680-14083        | 00000/0000                   | 2-20036/1756                | 12/02/76         | 60             | 9480          | 4434N                        | 06326W        | 18.4         | 152.1        | GGGG                  |                     |                      | 8                     | 29                     |
| 2680-14090        | 00000/0000                   | 2-20036/1757                | 12/02/76         | 50             | 9480          | 4309N                        | 06359W        | 19.5         | 151.5        | GGGG                  |                     |                      | 8                     | 30                     |
| 2680-14092        | 00000/0000                   | 2-20036/1758                | 12/02/76         | 70             | 9480          | 4144N                        | 06430W        | 20.6         | 150.8        | GGGG                  |                     |                      | 8                     | 31                     |
| 2680-17332        | 00000/0000                   | 2-20036/1759                | 12/02/76         | 50             | 9482          | 5013N                        | 11241W        | 14.0         | 154.6        | GGGG                  |                     |                      | 44                    | 25                     |
| 2680-23081        | 00000/0000                   | 2-20037/0589                | 12/02/76         | 40             | 9485          | 3559S                        | 14608E        | 49.4         | 82.4         | GGGG                  |                     |                      | 98                    | 85                     |
| 2680-23084        | 00000/0000                   | 2-20037/0590                | 12/02/76         | 90             | 9485          | 3725S                        | 14540E        | 48.9         | 81.0         | GGGG                  |                     |                      | 98                    | 86                     |
| 2681-00501        | 00000/0000                   | 2-20037/0591                | 12/03/76         | 10             | 9486          | 3138S                        | 12138E        | 50.6         | 86.9         | GGGG                  |                     |                      | 116                   | 82                     |
| 2681-00504        | 00000/0000                   | 2-20037/0592                | 12/03/76         | 70             | 9486          | 3344S                        | 12113E        | 50.2         | 85.4         | GGGG                  |                     |                      | 116                   | 83                     |
| 2681-02121        | 00000/0000                   | 2-20037/0593                | 12/03/76         | 60             | 9487          | 4143N                        | 11447E        | 20.6         | 150.8        | GGGG                  |                     |                      | 134                   | 31                     |
| 2681-02124        | 00000/0000                   | 2-20037/0594                | 12/03/76         | 20             | 9487          | 4019N                        | 11416E        | 21.6         | 150.2        | GGGG                  |                     |                      | 134                   | 32                     |
| 2681-02130        | 00000/0000                   | 2-20037/0595                | 12/03/76         | 50             | 9487          | 3853N                        | 11347E        | 22.7         | 149.6        | GGGG                  |                     |                      | 134                   | 33                     |
| 2681-02133        | 00000/0000                   | 2-20037/0596                | 12/03/76         | 90             | 9487          | 3727N                        | 11318E        | 23.8         | 148.9        | GGGG                  |                     |                      | 134                   | 34                     |
| 2681-02135        | 00000/0000                   | 2-20037/0597                | 12/03/76         | 60             | 9487          | 3602N                        | 11251E        | 24.9         | 148.2        | GGGG                  |                     |                      | 134                   | 35                     |
| 2681-02142        | 00000/0000                   | 2-20037/0598                | 12/03/76         | 80             | 9487          | 3436N                        | 11224E        | 25.9         | 147.6        | GGGG                  |                     |                      | 134                   | 36                     |
| 2681-02144        | 00000/0000                   | 2-20037/0599                | 12/03/76         | 90             | 9487          | 3310N                        | 11159E        | 27.0         | 146.9        | GGGG                  |                     |                      | 134                   | 37                     |
| 2681-02151        | 00000/0000                   | 2-20037/0600                | 12/03/76         | 60             | 9487          | 3144N                        | 11134E        | 28.0         | 146.2        | GGGG                  |                     |                      | 134                   | 38                     |
| 2681-02153        | 00000/0000                   | 2-20037/0601                | 12/03/76         | 90             | 9487          | 3017N                        | 11109E        | 29.1         | 145.5        | GGGG                  |                     |                      | 134                   | 39                     |
| 2681-02160        | 00000/0000                   | 2-20037/0602                | 12/03/76         | 90             | 9487          | 2841N                        | 11046E        | 30.1         | 144.7        | GGGG                  |                     |                      | 134                   | 40                     |
| 2681-02162        | 00000/0000                   | 2-20037/0603                | 12/03/76         | 90             | 9487          | 2725N                        | 11022E        | 31.1         | 144.0        | GGGG                  |                     |                      | 134                   | 41                     |
| 2681-02165        | 00000/0000                   | 2-20037/0604                | 12/03/76         | 100            | 9487          | 2600N                        | 10958E        | 32.1         | 143.2        | GGGG                  |                     |                      | 134                   | 42                     |
| 2681-02171        | 00000/0000                   | 2-20037/0605                | 12/03/76         | 100            | 9487          | 2434N                        | 10935E        | 33.1         | 142.4        | GGGG                  |                     |                      | 134                   | 43                     |
| 2681-02174        | 00000/0000                   | 2-20037/0606                | 12/03/76         | 90             | 9487          | 2308N                        | 10912E        | 34.1         | 141.6        | GGGG                  |                     |                      | 134                   | 44                     |
| 2681-02180        | 00000/0000                   | 2-20037/0607                | 12/03/76         | 60             | 9487          | 2141N                        | 10856E        | 35.1         | 140.7        | GGGG                  |                     |                      | 134                   | 45                     |
| 2681-03532        | 00000/0000                   | 2-20037/0019                | 12/03/76         | 90             | 9488          | 4848N                        | 09147E        | 15.0         | 154.0        | GGFG                  |                     |                      | 152                   | 26                     |
| 2681-03535        | 00000/0000                   | 2-20037/0020                | 12/03/76         | 50             | 9488          | 4723N                        | 09110E        | 16.1         | 153.3        | GGGG                  |                     |                      | 152                   | 27                     |
| 2681-03541        | 00000/0000                   | 2-20037/0021                | 12/03/76         | 10             | 9488          | 4568N                        | 09036E        | 17.2         | 152.7        | GGGG                  |                     |                      | 152                   | 28                     |
| 2681-03544        | 00000/0000                   | 2-20037/0022                | 12/03/76         | 30             | 9488          | 4433N                        | 09003E        | 18.3         | 152.1        | GGGG                  |                     |                      | 152                   | 29                     |

KEYS: CLOUD COVER % ..... 0 TO 100 \* % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FBR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2681-03550        | 00000/0000                                     | 2-20037/0023     | 12/03/76       | 70              | 9488                         | 4307N         | 08930E       | 19.5         | 151.4                 | GGGF                |                      | 152                     | 30                     |
| 2681-03553        | 00000/0000                                     | 2-20037/0024     | 12/03/76       | 60              | 9488                         | 4142N         | 08859E       | 20.5         | 150.8                 | FGGG                |                      | 152                     | 31                     |
| 2681-03555        | 00000/0000                                     | 2-20037/0025     | 12/03/76       | 40              | 9488                         | 4017N         | 08829E       | 21.6         | 150.2                 | FGGG                |                      | 152                     | 32                     |
| 2681-03562        | 00000/0000                                     | 2-20037/0026     | 12/03/76       | 20              | 9488                         | 3851N         | 08759E       | 22.7         | 149.5                 | FGGG                |                      | 152                     | 33                     |
| 2681-03564        | 00000/0000                                     | 2-20037/0027     | 12/03/76       | 80              | 9488                         | 3726N         | 08731E       | 23.8         | 148.9                 | GGGG                |                      | 152                     | 34                     |
| 2681-03571        | 00000/0000                                     | 2-20037/0028     | 12/03/76       | 40              | 9488                         | 3600N         | 08704E       | 24.9         | 148.2                 | GGGG                |                      | 152                     | 35                     |
| 2681-03573        | 00000/0000                                     | 2-20037/0029     | 12/03/76       | 20              | 9488                         | 3435N         | 08637E       | 25.9         | 147.6                 | GGGG                |                      | 152                     | 36                     |
| 2681-03580        | 00000/0000                                     | 2-20037/0030     | 12/03/76       | 10              | 9488                         | 3310N         | 08611E       | 27.0         | 146.9                 | GGGG                |                      | 152                     | 37                     |
| 2681-03582        | 00000/0000                                     | 2-20037/0031     | 12/03/76       | 0               | 9488                         | 3144N         | 08546E       | 28.0         | 146.2                 | GGGG                |                      | 152                     | 38                     |
| 2681-03585        | 00000/0000                                     | 2-20037/0032     | 12/03/76       | 0               | 9488                         | 3013N         | 08521E       | 29.1         | 145.5                 | GGGG                |                      | 152                     | 39                     |
| 2681-03591        | 00000/0000                                     | 2-20037/0033     | 12/03/76       | 0               | 9488                         | 2852N         | 08457E       | 30.1         | 144.7                 | GGGG                |                      | 152                     | 40                     |
| 2681-03594        | 00000/0000                                     | 2-20037/0034     | 12/03/76       | 10              | 9488                         | 2726N         | 08433E       | 31.1         | 144.0                 | GGGG                |                      | 152                     | 41                     |
| 2681-04000        | 00000/0000                                     | 2-20037/0035     | 12/03/76       | 20              | 9488                         | 2600N         | 08410E       | 32.1         | 143.2                 | GGGG                |                      | 152                     | 42                     |
| 2681-04003        | 00000/0000                                     | 2-20037/0036     | 12/03/76       | 30              | 9488                         | 2473N         | 08347E       | 33.1         | 142.4                 | GGGG                |                      | 152                     | 43                     |
| 2681-04005        | 00000/0000                                     | 2-20037/0037     | 12/03/76       | 10              | 9488                         | 2307N         | 08325E       | 34.1         | 141.6                 | GGGG                |                      | 152                     | 44                     |
| 2681-04012        | 00000/0000                                     | 2-20037/0038     | 12/03/76       | 10              | 9488                         | 2141N         | 08302E       | 35.1         | 140.7                 | GGGG                |                      | 152                     | 45                     |
| 2681-04014        | 00000/0000                                     | 2-20037/0039     | 12/03/76       | 40              | 9488                         | 2014N         | 08240E       | 36.0         | 139.8                 | GGGG                |                      | 152                     | 46                     |
| 2681-04021        | 00000/0000                                     | 2-20037/0040     | 12/03/76       | 60              | 9488                         | 1847N         | 08218E       | 37.0         | 138.9                 | GGGG                |                      | 152                     | 47                     |
| 2681-04023        | 00000/0000                                     | 2-20037/0041     | 12/03/76       | 40              | 9488                         | 1721N         | 08156E       | 37.9         | 138.0                 | GGGG                |                      | 152                     | 48                     |
| 2681-04030        | 00000/0000                                     | 2-20037/0042     | 12/03/76       | 60              | 9488                         | 1555N         | 08135E       | 38.8         | 137.0                 | GGGG                |                      | 152                     | 49                     |
| 2681-04032        | 00000/0000                                     | 2-20037/0043     | 12/03/76       | 60              | 9488                         | 1428N         | 08115E       | 39.7         | 136.0                 | GGGG                |                      | 152                     | 50                     |
| 2681-04035        | 00000/0000                                     | 2-20037/0044     | 12/03/76       | 60              | 9488                         | 1302N         | 08054E       | 40.5         | 134.9                 | GGGG                |                      | 152                     | 51                     |
| 2681-05344        | 00000/0000                                     | 2-20037/0045     | 12/03/76       | 30              | 9489                         | 5548N         | 06933E       | 9.4          | 157.4                 | PGFF                |                      | 170                     | 21                     |
| 2681-05350        | 00000/0000                                     | 2-20037/0046     | 12/03/76       | 90              | 9489                         | 5424N         | 06846E       | 10.5         | 156.6                 | FGFF                |                      | 170                     | 22                     |
| 2681-05353        | 00000/0000                                     | 2-20037/0047     | 12/03/76       | 90              | 9489                         | 5300N         | 06801E       | 11.6         | 155.9                 | FGGG                |                      | 170                     | 23                     |
| 2681-05355        | 00000/0000                                     | 2-20037/0048     | 12/03/76       | 80              | 9489                         | 5136N         | 06718E       | 12.8         | 155.3                 | GGGG                |                      | 170                     | 24                     |
| 2681-05362        | 00000/0000                                     | 2-20037/0049     | 12/03/76       | 90              | 9489                         | 5011N         | 06637E       | 13.9         | 154.6                 | GGGG                |                      | 170                     | 25                     |
| 2681-05364        | 00000/0000                                     | 2-20037/0050     | 12/03/76       | 90              | 9489                         | 4846N         | 06559E       | 15.0         | 154.0                 | FGGG                |                      | 170                     | 26                     |
| 2681-05371        | 00000/0000                                     | 2-20037/0051     | 12/03/76       | 40              | 9489                         | 4722N         | 06523E       | 16.1         | 153.3                 | GGGG                |                      | 170                     | 27                     |
| 2681-05373        | 00000/0000                                     | 2-20037/0052     | 12/03/76       | 0               | 9489                         | 4558N         | 06449E       | 17.2         | 152.7                 | GGGG                |                      | 170                     | 28                     |
| 2681-05380        | 00000/0000                                     | 2-20037/0053     | 12/03/76       | 10              | 9489                         | 4432N         | 06416E       | 18.3         | 152.1                 | GGGG                |                      | 170                     | 29                     |
| 2681-05382        | 00000/0000                                     | 2-20037/0054     | 12/03/76       | 0               | 9489                         | 4307N         | 06343E       | 19.4         | 151.4                 | GGGG                |                      | 170                     | 30                     |
| 2681-05385        | 00000/0000                                     | 2-20037/0055     | 12/03/76       | 20              | 9489                         | 4142N         | 06312E       | 20.5         | 150.8                 | FGGG                |                      | 170                     | 31                     |
| 2681-05391        | 00000/0000                                     | 2-20037/0056     | 12/03/76       | 10              | 9489                         | 4017N         | 06240E       | 21.6         | 150.2                 | FGGG                |                      | 170                     | 32                     |
| 2681-05394        | 00000/0000                                     | 2-20037/0057     | 12/03/76       | 30              | 9489                         | 3852N         | 06210E       | 22.7         | 149.5                 | GGGG                |                      | 170                     | 33                     |
| 2681-05400        | 00000/0000                                     | 2-20037/0058     | 12/03/76       | 0               | 9489                         | 3726N         | 06141E       | 23.8         | 148.9                 | GGGG                |                      | 170                     | 34                     |

KEYS: CLOUD COVER 4 ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK, NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANH SAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RAW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2681-05403        | 00000/0000                   | 2-20037/0059                | 12/03/76         | 0              | 9489            | 3601N                        | 06114E        | 24.9         | 148.2        | GGGG                  |                     |                      | 170                     | 35                     |
| 2681-05405        | 00000/0000                   | 2-20037/0060                | 12/03/76         | 50             | 9489            | 3435N                        | 06047E        | 25.9         | 147.6        | GGGG                  |                     |                      | 170                     | 36                     |
| 2681-05412        | 00000/0000                   | 2-20037/0061                | 12/03/76         | 40             | 9489            | 3310N                        | 06021E        | 27.0         | 146.9        | GGGG                  |                     |                      | 170                     | 37                     |
| 2681-05414        | 00000/0000                   | 2-20037/0062                | 12/03/76         | 20             | 9489            | 3144N                        | 05956E        | 28.0         | 146.2        | FGGG                  |                     |                      | 170                     | 38                     |
| 2681-05421        | 00000/0000                   | 2-20037/0063                | 12/03/76         | 40             | 9489            | 3017N                        | 05931E        | 29.1         | 145.5        | FGGG                  |                     |                      | 170                     | 39                     |
| 2681-05423        | 00000/0000                   | 2-20037/0064                | 12/03/76         | 10             | 9489            | 2851N                        | 05906E        | 30.1         | 144.7        | FGGG                  |                     |                      | 170                     | 40                     |
| 2681-05430        | 00000/0000                   | 2-20037/0065                | 12/03/76         | 20             | 9489            | 2725N                        | 05843E        | 31.1         | 144.0        | FGGG                  |                     |                      | 170                     | 41                     |
| 2681-05432        | 00000/0000                   | 2-20037/0066                | 12/03/76         | 80             | 9489            | 2558N                        | 05820E        | 32.1         | 143.2        | FGGG                  |                     |                      | 170                     | 42                     |
| 2681-07182        | 00000/0000                   | 2-20036/1869                | 12/03/76         | 40             | 9490            | 5423N                        | 04254E        | 10.5         | 156.6        | GGGG                  |                     |                      | 188                     | 22                     |
| 2681-07184        | 00000/0000                   | 2-20036/1870                | 12/03/76         | 50             | 9490            | 5300N                        | 04209E        | 11.6         | 155.9        | GGGG                  |                     |                      | 188                     | 23                     |
| 2681-07191        | 00000/0000                   | 2-20036/1871                | 12/03/76         | 90             | 9490            | 5136N                        | 04127E        | 12.8         | 155.3        | GGFG                  |                     |                      | 188                     | 24                     |
| 2681-07193        | 00000/0000                   | 2-20036/1872                | 12/03/76         | 100            | 9490            | 5011N                        | 04047E        | 13.9         | 154.6        | GGGF                  |                     |                      | 188                     | 25                     |
| 2681-07200        | 00000/0000                   | 2-20036/1873                | 12/03/76         | 100            | 9490            | 4848N                        | 04007E        | 15.0         | 154.0        | GGFG                  |                     |                      | 188                     | 26                     |
| 2681-07202        | 00000/0000                   | 2-20036/1874                | 12/03/76         | 80             | 9490            | 4724N                        | 03931E        | 16.1         | 153.3        | GGFG                  |                     |                      | 188                     | 27                     |
| 2681-07205        | 00000/0000                   | 2-20036/1875                | 12/03/76         | 80             | 9490            | 4558N                        | 03856E        | 17.2         | 152.7        | GGGG                  |                     |                      | 188                     | 28                     |
| 2681-07211        | 00000/0000                   | 2-20036/1876                | 12/03/76         | 80             | 9490            | 4432N                        | 03823E        | 18.3         | 152.1        | GGFG                  |                     |                      | 188                     | 29                     |
| 2681-12533        | 00000/0000                   | 2-20036/1877                | 12/03/76         | 0              | 9493            | 3305S                        | 05931W        | 50.2         | 85.5         | GGGG                  |                     |                      | 242                     | 83                     |
| 2681-12535        | 00000/0000                   | 2-20036/1848                | 12/03/76         | 0              | 9493            | 3431S                        | 05957W        | 49.8         | 84.0         | P                     |                     |                      | 242                     | 84                     |
| 2681-12542        | 00000/0000                   | 2-20036/1878                | 12/03/76         | 10             | 9493            | 3557S                        | 06023W        | 49.4         | 82.6         | FF                    |                     |                      | 242                     | 85                     |
| 2681-12544        | 00000/0000                   | 2-20036/1879                | 12/03/76         | 30             | 9493            | 3722S                        | 06051W        | 48.9         | 81.2         | FGGG                  |                     |                      | 242                     | 86                     |
| 2681-12551        | 00000/0000                   | 2-20036/1849                | 12/03/76         | 20             | 9493            | 3847S                        | 06119W        | 48.4         | 79.9         | FFGF                  |                     |                      | 242                     | 87                     |
| 2681-12553        | 00000/0000                   | 2-20036/1850                | 12/03/76         | 40             | 9493            | 4013S                        | 06149W        | 47.8         | 78.6         | FFGF                  |                     |                      | 242                     | 88                     |
| 2681-14141        | 00000/0000                   | 2-20036/1760                | 12/03/76         | 50             | 9494            | 4434N                        | 06452W        | 18.3         | 152.1        | GGGG                  |                     |                      | 9                       | 29                     |
| 2681-14144        | 00000/0000                   | 2-20036/1761                | 12/03/76         | 80             | 9494            | 4309N                        | 06524W        | 19.4         | 151.4        | GGGG                  |                     |                      | 9                       | 30                     |
| 2681-14150        | 00000/0000                   | 2-20036/1762                | 12/03/76         | 80             | 9494            | 4144N                        | 06555W        | 20.5         | 150.8        | GGGG                  |                     |                      | 9                       | 31                     |
| 2681-23130        | 00000/0000                   | 2-20036/1851                | 12/03/76         | 10             | 9499            | 3306S                        | 14538E        | 50.2         | 85.6         | FGGG                  |                     |                      | 99                      | 83                     |
| 2681-23133        | 00000/0000                   | 2-20036/1852                | 12/03/76         | 60             | 9499            | 3431S                        | 14512E        | 49.8         | 84.1         | GGFG                  |                     |                      | 99                      | 84                     |
| 2681-23135        | 00000/0000                   | 2-20036/1853                | 12/03/76         | 70             | 9499            | 3556S                        | 14444E        | 49.4         | 82.7         | FGGG                  |                     |                      | 99                      | 85                     |
| 2681-23142        | 00000/0000                   | 2-20036/1854                | 12/03/76         | 70             | 9499            | 3722S                        | 14416E        | 48.9         | 81.3         | GGGG                  |                     |                      | 99                      | 86                     |
| 2682-00555        | 00000/0000                   | 2-20036/1855                | 12/04/76         | 20             | 9500            | 3140S                        | 12009E        | 50.5         | 87.1         | FGGG                  |                     |                      | 117                     | 82                     |
| 2682-00562        | 00000/0000                   | 2-20036/1856                | 12/04/76         | 40             | 9500            | 3306S                        | 11944E        | 50.2         | 85.6         | FFGG                  |                     |                      | 117                     | 83                     |
| 2682-00564        | 00000/0000                   | 2-20036/1857                | 12/04/76         | 70             | 9500            | 3432S                        | 11918E        | 49.8         | 84.1         | GGFG                  |                     |                      | 117                     | 84                     |
| 2682-02180        | 00000/0000                   | 2-20036/1858                | 12/04/76         | 50             | 9501            | 4143N                        | 11321E        | 20.4         | 150.8        | GGGG                  |                     |                      | 135                     | 31                     |
| 2682-02182        | 00000/0000                   | 2-20036/1859                | 12/04/76         | 10             | 9501            | 4017N                        | 11251E        | 21.5         | 150.1        | GGGG                  |                     |                      | 135                     | 32                     |
| 2682-02185        | 00000/0000                   | 2-20036/1860                | 12/04/76         | 30             | 9501            | 3852N                        | 11221E        | 22.6         | 149.5        | GGFG                  |                     |                      | 135                     | 33                     |
| 2682-02191        | 00000/0000                   | 2-20036/1861                | 12/04/76         | 80             | 9501            | 3727N                        | 11153E        | 23.6         | 148.9        | GGFG                  |                     |                      | 135                     | 34                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SATBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2682-02194        | 00000/0000                   | 2-20036/1862                | 12/04/76         | 90             | 9501             | 36.11N 11125E                           | 24.7         | 148.2        | .GGFG                 |                     |                      | 135                     | 35                     |
| 2682-02200        | 00000/0000                   | 2-20036/1863                | 12/04/76         | 90             | 9501             | 34.35N 11059E                           | 25.8         | 147.5        | GFFG                  |                     |                      | 135                     | 36                     |
| 2682-02203        | 00000/0000                   | 2-20036/1864                | 12/04/76         | 90             | 9501             | 33.09N 11033E                           | 26.8         | 146.9        | GGGG                  |                     |                      | 135                     | 37                     |
| 2682-02221        | 00000/0000                   | 2-20036/1865                | 12/04/76         | 100            | 9501             | 27.25N 10856E                           | 31.0         | 144.0        | GFGG                  |                     |                      | 135                     | 41                     |
| 2682-02223        | 00000/0000                   | 2-20036/1866                | 12/04/76         | 100            | 9501             | 25.59N 10832E                           | 32.0         | 143.2        | GGGF                  |                     |                      | 135                     | 42                     |
| 2682-02230        | 00000/0000                   | 2-20036/1867                | 12/04/76         | 90             | 9501             | 24.33N 10809E                           | 33.0         | 142.4        | GGGG                  |                     |                      | 135                     | 43                     |
| 2682-02232        | 00000/0000                   | 2-20036/1868                | 12/04/76         | 90             | 9501             | 23.06N 10747E                           | 33.9         | 141.6        | GFFG                  |                     |                      | 135                     | 44                     |
| 2682-03584        | 00000/0000                   | 2-20036/1881                | 12/04/76         | 40             | 9502             | 50.11N 09100E                           | 13.7         | 154.6        | PPP                   |                     |                      | 153                     | 25                     |
| 2682-03591        | 00000/0000                   | 2-20036/1882                | 12/04/76         | 60             | 9502             | 48.46N 09021E                           | 14.9         | 153.9        | PPP                   |                     |                      | 153                     | 26                     |
| 2682-03593        | 00000/0000                   | 2-20036/1883                | 12/04/76         | 70             | 9502             | 47.22N 08945E                           | 16.0         | 153.3        | PGGP                  |                     |                      | 153                     | 27                     |
| 2682-04000        | 00000/0000                   | 2-20036/1884                | 12/04/76         | 90             | 9502             | 45.57N 08910E                           | 17.1         | 152.6        | PGGP                  |                     |                      | 153                     | 28                     |
| 2682-04002        | 00000/0000                   | 2-20036/1885                | 12/04/76         | 90             | 9502             | 44.32N 08837E                           | 18.2         | 152.0        | FGGF                  |                     |                      | 153                     | 29                     |
| 2682-04005        | 00000/0000                   | 2-20036/1886                | 12/04/76         | 70             | 9502             | 43.07N 08805E                           | 19.3         | 151.4        | PPFF                  |                     |                      | 153                     | 30                     |
| 2682-04011        | 00000/0000                   | 2-20036/1887                | 12/04/76         | 30             | 9502             | 41.43N 08733E                           | 20.4         | 150.8        | PPFF                  |                     |                      | 153                     | 31                     |
| 2682-04014        | 00000/0000                   | 2-20036/1888                | 12/04/76         | 10             | 9502             | 40.18N 08703E                           | 21.5         | 150.1        | PPFF                  |                     |                      | 153                     | 32                     |
| 2682-04020        | 00000/0000                   | 2-20036/1889                | 12/04/76         | 40             | 9502             | 38.24N 08633E                           | 22.6         | 149.5        | PPFF                  |                     |                      | 153                     | 33                     |
| 2682-04023        | 00000/0000                   | 2-20036/1890                | 12/04/76         | 40             | 9502             | 37.26N 08605E                           | 23.6         | 148.9        | PPFF                  |                     |                      | 153                     | 34                     |
| 2682-04025        | 00000/0000                   | 2-20036/1891                | 12/04/76         | 30             | 9502             | 36.01N 08537E                           | 24.7         | 148.2        | PPFF                  |                     |                      | 153                     | 35                     |
| 2682-04032        | 00000/0000                   | 2-20036/1892                | 12/04/76         | 40             | 9502             | 34.35N 08511E                           | 25.8         | 147.5        | PPFF                  |                     |                      | 153                     | 36                     |
| 2682-04034        | 00000/0000                   | 2-20036/1893                | 12/04/76         | 30             | 9502             | 33.09N 08445E                           | 26.8         | 146.9        | PPFF                  |                     |                      | 153                     | 37                     |
| 2682-04052        | 00000/0000                   | 2-20036/1894                | 12/04/76         | 10             | 9502             | 27.25N 08308E                           | 31.0         | 144.0        | PPFF                  |                     |                      | 153                     | 41                     |
| 2682-04055        | 00000/0000                   | 2-20036/1895                | 12/04/76         | 0              | 9502             | 25.59N 08244E                           | 32.0         | 143.2        | PPFF                  |                     |                      | 153                     | 42                     |
| 2682-04061        | 00000/0000                   | 2-20036/1896                | 12/04/76         | 0              | 9502             | 24.33N 08221E                           | 33.0         | 142.4        | PPFF                  |                     |                      | 153                     | 43                     |
| 2682-04064        | 00000/0000                   | 2-20036/1897                | 12/04/76         | 0              | 9502             | 23.06N 08157E                           | 33.9         | 141.6        | PPFF                  |                     |                      | 153                     | 44                     |
| 2682-04070        | 00000/0000                   | 2-20036/1898                | 12/04/76         | 0              | 9502             | 21.40N 08135E                           | 34.9         | 140.7        | PPFF                  |                     |                      | 153                     | 45                     |
| 2682-04073        | 00000/0000                   | 2-20036/1899                | 12/04/76         | 0              | 9502             | 20.14N 08114E                           | 35.9         | 139.8        | PPFF                  |                     |                      | 153                     | 46                     |
| 2682-04075        | 00000/0000                   | 2-20036/1900                | 12/04/76         | 30             | 9502             | 18.47N 08052E                           | 36.8         | 138.9        | FPGF                  |                     |                      | 153                     | 47                     |
| 2682-04082        | 00000/0000                   | 2-20036/1901                | 12/04/76         | 80             | 9502             | 17.21N 08031E                           | 37.7         | 138.0        | GFFF                  |                     |                      | 153                     | 48                     |
| 2682-04084        | 00000/0000                   | 2-20036/1902                | 12/04/76         | 70             | 9502             | 15.54N 08009E                           | 38.6         | 137.0        | FGGP                  |                     |                      | 153                     | 49                     |
| 2682-04091        | 00000/0000                   | 2-20036/1903                | 12/04/76         | 70             | 9502             | 14.27N 07948E                           | 39.5         | 136.0        | FGGP                  |                     |                      | 153                     | 50                     |
| 2682-04093        | 00000/0000                   | 2-20036/1904                | 12/04/76         | 70             | 9502             | 13.01N 07928E                           | 40.4         | 135.0        | GFGF                  |                     |                      | 153                     | 51                     |
| 2682-05404        | 00000/0000                   | 2-20037/2001                | 12/04/76         | 40             | 9503             | 54.23N 06717E                           | 10.4         | 156.6        | FFGG                  |                     |                      | 171                     | 22                     |
| 2682-05411        | 00000/0000                   | 2-20037/2002                | 12/04/76         | 40             | 9503             | 52.59N 06633E                           | 11.5         | 155.9        | FPGG                  |                     |                      | 171                     | 23                     |
| 2682-05413        | 00000/0000                   | 2-20037/2003                | 12/04/76         | 40             | 9503             | 51.34N 06551E                           | 12.6         | 155.2        | GGGG                  |                     |                      | 171                     | 24                     |
| 2682-05420        | 00000/0000                   | 2-20037/2004                | 12/04/76         | 60             | 9503             | 50.10N 06510E                           | 13.7         | 154.5        | GGGG                  |                     |                      | 171                     | 25                     |
| 2682-05422        | 00000/0000                   | 2-20037/2005                | 12/04/76         | 40             | 9503             | 48.46N 06431E                           | 14.9         | 153.9        | GGGG                  |                     |                      | 171                     | 26                     |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAME-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO.<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>POINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|-----------------|---------------------------------------|----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2682-05425        | 00000/0000                   | 2-20037/0006               | 12/04/76         | 0              | 9503            | 4722N                                 | 06354E                                 | 16.0         | 153.3        | GGGG                               |                     |                      | 171                     | 27                     |
| 2682-05431        | 00000/0000                   | 2-20037/0007               | 12/04/76         | 0              | 9503            | 4557N                                 | 06319E                                 | 17.1         | 152.6        | GGGG                               |                     |                      | 171                     | 28                     |
| 2682-05434        | 00000/0000                   | 2-20037/0008               | 12/04/76         | 0              | 9503            | 4432N                                 | 06245E                                 | 18.2         | 152.0        | PPPP                               |                     |                      | 171                     | 29                     |
| 2682-05440        | 00000/0000                   | 2-20037/0009               | 12/04/76         | 0              | 9503            | 4307N                                 | 06213E                                 | 19.3         | 151.4        | FPPP                               |                     |                      | 171                     | 30                     |
| 2682-05443        | 00000/0000                   | 2-20037/0010               | 12/04/76         | 20             | 9503            | 4142N                                 | 06141E                                 | 20.4         | 150.8        | FPPG                               |                     |                      | 171                     | 31                     |
| 2682-05445        | 00000/0000                   | 2-20037/0011               | 12/04/76         | 20             | 9503            | 4017N                                 | 06111E                                 | 21.5         | 150.1        | FFGG                               |                     |                      | 171                     | 32                     |
| 2682-05452        | 00000/0000                   | 2-20037/0012               | 12/04/76         | 0              | 9503            | 3851N                                 | 06043E                                 | 22.6         | 149.5        | FGGF                               |                     |                      | 171                     | 33                     |
| 2682-05454        | 00000/0000                   | 2-20037/0013               | 12/04/76         | 30             | 9503            | 3726N                                 | 06014E                                 | 23.6         | 148.9        | FFFF                               |                     |                      | 171                     | 34                     |
| 2682-05461        | 00000/0000                   | 2-20037/0014               | 12/04/76         | 60             | 9503            | 3600N                                 | 05947E                                 | 24.7         | 148.2        | FFFF                               |                     |                      | 171                     | 35                     |
| 2682-05463        | 00000/0000                   | 2-20037/0015               | 12/04/76         | 60             | 9503            | 3434N                                 | 05921E                                 | 25.8         | 147.5        | GFFF                               |                     |                      | 171                     | 36                     |
| 2682-05470        | 00000/0000                   | 2-20037/0016               | 12/04/76         | 50             | 9503            | 3308N                                 | 05855E                                 | 26.8         | 146.9        | GGGG                               |                     |                      | 171                     | 37                     |
| 2682-05472        | 00000/0000                   | 2-20037/0017               | 12/04/76         | 20             | 9513            | 3142N                                 | 05830E                                 | 27.9         | 146.2        | FGFG                               |                     |                      | 171                     | 38                     |
| 2682-05475        | 00000/0000                   | 2-20037/0018               | 12/04/76         | 0              | 9503            | 3016N                                 | 05805E                                 | 28.9         | 145.4        | FGGF                               |                     |                      | 171                     | 39                     |
| 2682-05490        | 00000/0000                   | 2-20037/0019               | 12/04/76         | 40             | 9503            | 2857N                                 | 05654E                                 | 32.0         | 143.2        | GGGF                               |                     |                      | 171                     | 40                     |
| 2682-07242        | 00000/0000                   | 2-20037/0020               | 12/04/76         | 90             | 9504            | 5300N                                 | 04044E                                 | 11.5         | 155.9        | GGGF                               |                     |                      | 189                     | 23                     |
| 2682-07245        | 00000/0000                   | 2-20037/0021               | 12/04/76         | 90             | 9504            | 5135N                                 | 04001E                                 | 12.6         | 155.2        | GGGF                               |                     |                      | 189                     | 24                     |
| 2682-07251        | 00000/0000                   | 2-20037/0022               | 12/04/76         | 90             | 9504            | 5010N                                 | 03921E                                 | 13.7         | 154.5        | GGGG                               |                     |                      | 189                     | 25                     |
| 2682-07254        | 00000/0000                   | 2-20037/0023               | 12/04/76         | 80             | 9504            | 4846N                                 | 03843E                                 | 14.8         | 153.9        | GGGG                               |                     |                      | 189                     | 26                     |
| 2682-07260        | 00000/0000                   | 2-20037/0024               | 12/04/76         | 70             | 9504            | 4722N                                 | 03806E                                 | 16.0         | 153.3        | GGGG                               |                     |                      | 189                     | 27                     |
| 2682-07263        | 00000/0000                   | 2-20037/0025               | 12/04/76         | 30             | 9504            | 4557N                                 | 03731E                                 | 17.1         | 152.6        | FFGF                               |                     |                      | 189                     | 28                     |
| 2682-07265        | 00000/0000                   | 2-20037/0026               | 12/04/76         | 60             | 9504            | 4432N                                 | 03658E                                 | 18.2         | 152.0        | GGGG                               |                     |                      | 189                     | 29                     |
| 2682-12591        | 00000/0000                   | 2-20037/0027               | 12/04/76         | 0              | 9507            | 3307S                                 | 06100W                                 | 50.2         | 85.7         | GGGG                               |                     |                      | 243                     | 83                     |
| 2682-13005        | 00000/0000                   | 2-20037/0028               | 12/04/76         | 0              | 9507            | 3849S                                 | 06247W                                 | 48.3         | 80.1         | FFFF                               |                     |                      | 243                     | 87                     |
| 2682-13012        | 00000/0000                   | 2-20037/0029               | 12/04/76         | 0              | 9507            | 4015S                                 | 06316W                                 | 47.8         | 78.8         | GGGG                               |                     |                      | 243                     | 88                     |
| 2682-14184        | 00000/0000                   | 2-20036/1372               | 12/04/76         | 10             | 9508            | 4847N                                 | 06433W                                 | 14.8         | 153.9        | GGGG                               |                     |                      | 10                      | 26                     |
| 2682-14205        | 00000/0000                   | 2-20036/1373               | 12/04/76         | 70             | 9508            | 4143N                                 | 06721W                                 | 20.3         | 150.8        | GGGG                               |                     |                      | 10                      | 31                     |
| 2682-14211        | 00000/0000                   | 2-20036/1374               | 12/04/76         | 60             | 9508            | 4018N                                 | 06752W                                 | 21.4         | 150.1        | GGGG                               |                     |                      | 10                      | 32                     |
| 2682-14214        | 00000/0000                   | 2-20036/1375               | 12/04/76         | 60             | 9508            | 3852N                                 | 06821W                                 | 22.5         | 149.5        | GGGG                               |                     |                      | 10                      | 33                     |
| 2682-14261        | 00000/0000                   | 2-20036/1376               | 12/04/76         | 30             | 9508            | 2305N                                 | 07257W                                 | 33.9         | 141.6        | GGGG                               |                     | H                    | 10                      | 44                     |
| 2682-14264        | 00000/0000                   | 2-20036/1377               | 12/04/76         | 30             | 9508            | 2140N                                 | 07319W                                 | 34.8         | 140.7        | GGGG                               |                     | H                    | 10                      | 45                     |
| 2682-16090        | 00000/0000                   | 2-20037/0029               | 12/04/76         | 80             | 9509            | 2432N                                 | 09822W                                 | 32.9         | 142.4        | GGGG                               |                     |                      | 28                      | 43                     |
| 2682-17501        | 00000/0000                   | 2-20037/0030               | 12/04/76         | 90             | 9510            | 3142N                                 | 12212W                                 | 27.8         | 146.1        | GGGG                               |                     |                      | 46                      | 38                     |
| 2682-23191        | 00000/0000                   | 2-20037/0031               | 12/04/76         | 0              | 9513            | 3432S                                 | 14343E                                 | 49.8         | 84.3         | GGGG                               |                     |                      | 100                     | 84                     |
| 2682-23190        | 00000/0000                   | 2-20037/0032               | 12/04/76         | 50             | 9513            | 3557S                                 | 14316E                                 | 49.3         | 82.9         | GGGG                               |                     |                      | 100                     | 85                     |
| 2682-23200        | 00000/0000                   | 2-20037/0033               | 12/04/76         | 60             | 9513            | 3723S                                 | 14249E                                 | 48.8         | 81.5         | GGGG                               |                     |                      | 100                     | 86                     |
| 2683-01011        | 00000/0000                   | 2-20037/0034               | 12/05/76         | 0              | 9514            | 3015S                                 | 11908E                                 | 50.8         | 88.9         | GGGG                               |                     |                      | 118                     | 81                     |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

0214 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | WICKS FILM<br>POSITION IN ROLL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|---------------------------------------|------------------|------------------|----------------|---------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                                       |                  |                  |                |               |                              |               |              |              | 123 45678             |                     |                      |                         |                        |
| 2683-01014        | 00000/0000                            | 2-20037/0072     | 12/05/76         | 10             | 9514          | 3141S                        | 11844E        | 50.5         | 87.4         | FGGG                  |                     |                      | 118                     | 82                     |
| 2683-01020        | 00000/0000                            | 2-20037/0073     | 12/05/76         | 20             | 9514          | 3306S                        | 11818E        | 50.1         | 85.8         | GGGG                  |                     |                      | 118                     | 83                     |
| 2683-01023        | 00000/0000                            | 2-20037/0074     | 12/05/76         | 80             | 9514          | 3432S                        | 11752E        | 49.8         | 84.3         | GGGG                  |                     |                      | 118                     | 84                     |
| 2683-02240        | 00000/0000                            | 2-20037/0075     | 12/05/76         | 80             | 9515          | 4017N                        | 11125E        | 21.3         | 150.1        | GF GF                 |                     |                      | 136                     | 32                     |
| 2683-02243        | 00000/0000                            | 2-20037/0076     | 12/05/76         | 90             | 9515          | 3852N                        | 11056E        | 22.4         | 149.5        | GGGG                  |                     |                      | 136                     | 33                     |
| 2683-02245        | 00000/0000                            | 2-20037/0077     | 12/05/76         | 100            | 9515          | 3726N                        | 11028E        | 23.5         | 148.8        | GGGG                  |                     |                      | 136                     | 34                     |
| 2683-02252        | 00000/0000                            | 2-20037/0078     | 12/05/76         | 100            | 9515          | 3601N                        | 11000E        | 24.6         | 148.2        | GGGF                  |                     |                      | 136                     | 35                     |
| 2683-02254        | 00000/0000                            | 2-20037/0079     | 12/05/76         | 100            | 9515          | 3436N                        | 10933E        | 25.6         | 147.5        | GGGG                  |                     |                      | 136                     | 36                     |
| 2683-02261        | 00000/0000                            | 2-20037/0080     | 12/05/76         | 90             | 9515          | 3310N                        | 10907E        | 26.7         | 146.8        | GGGG                  |                     |                      | 136                     | 37                     |
| 2683-02263        | 00000/0000                            | 2-20037/0081     | 12/05/76         | 100            | 9515          | 3143N                        | 10841E        | 27.7         | 146.1        | GGGG                  |                     |                      | 136                     | 38                     |
| 2683-02270        | 00000/0000                            | 2-20037/0082     | 12/05/76         | 100            | 9515          | 3017N                        | 10817E        | 28.8         | 145.4        | GGGG                  |                     |                      | 136                     | 39                     |
| 2683-02272        | 00000/0000                            | 2-20037/0083     | 12/05/76         | 100            | 9515          | 2851N                        | 10753E        | 29.8         | 144.7        | GGFG                  |                     |                      | 136                     | 40                     |
| 2683-02275        | 00000/0000                            | 2-20037/0084     | 12/05/76         | 100            | 9515          | 2726N                        | 10729E        | 30.8         | 144.0        | GGGG                  |                     |                      | 136                     | 41                     |
| 2683-02281        | 00000/0000                            | 2-20037/0085     | 12/05/76         | 100            | 9515          | 2559N                        | 10706E        | 31.8         | 143.2        | GGGG                  |                     |                      | 136                     | 42                     |
| 2683-04040        | 00000/0000                            | 2-20037/0106     | 12/05/76         | 10             | 9516          | 5135N                        | 09015E        | 12.5         | 155.1        | GGGG                  |                     |                      | 154                     | 24                     |
| 2683-04042        | 00000/0000                            | 2-20037/0107     | 12/05/76         | 10             | 9516          | 5011N                        | 08934E        | 13.6         | 154.5        | FGGG                  |                     |                      | 154                     | 25                     |
| 2683-04045        | 00000/0000                            | 2-20037/0108     | 12/05/76         | 0              | 9516          | 4847N                        | 08855E        | 14.7         | 153.8        | GGGG                  |                     |                      | 154                     | 26                     |
| 2683-04051        | 00000/0000                            | 2-20037/0109     | 12/05/76         | 10             | 9516          | 4722N                        | 08818E        | 15.8         | 153.2        | GGGG                  |                     |                      | 154                     | 27                     |
| 2683-04054        | 00000/0000                            | 2-20037/0110     | 12/05/76         | 10             | 9516          | 4557N                        | 08742E        | 16.9         | 152.6        | GGGG                  |                     |                      | 154                     | 28                     |
| 2683-04060        | 00000/0000                            | 2-20037/0111     | 12/05/76         | 10             | 9516          | 4432N                        | 08709E        | 18.0         | 152.0        | GGGG                  |                     |                      | 154                     | 29                     |
| 2683-04063        | 00000/0000                            | 2-20037/0112     | 12/05/76         | 10             | 9516          | 4306N                        | 08637E        | 19.1         | 151.3        | GGGG                  |                     |                      | 154                     | 30                     |
| 2683-04065        | 00000/0000                            | 2-20037/0113     | 12/05/76         | 0              | 9516          | 4141N                        | 08606E        | 20.2         | 150.7        | GGGG                  |                     |                      | 154                     | 31                     |
| 2683-04072        | 00000/0000                            | 2-20037/0114     | 12/05/76         | 0              | 9516          | 4016N                        | 08536E        | 21.3         | 150.1        | GGGG                  |                     |                      | 154                     | 32                     |
| 2683-04074        | 00000/0000                            | 2-20037/0115     | 12/05/76         | 20             | 9516          | 3851N                        | 08507E        | 22.4         | 149.5        | FGGF                  |                     |                      | 154                     | 33                     |
| 2683-04081        | 00000/0000                            | 2-20037/0116     | 12/05/76         | 70             | 9516          | 3725N                        | 08438E        | 23.5         | 148.8        | GGGG                  |                     |                      | 154                     | 34                     |
| 2683-04083        | 00000/0000                            | 2-20037/0117     | 12/05/76         | 10             | 9516          | 3600N                        | 08410E        | 24.6         | 148.2        | GGGG                  |                     |                      | 154                     | 35                     |
| 2683-04090        | 00000/0000                            | 2-20037/0118     | 12/05/76         | 20             | 9516          | 3434N                        | 08344E        | 25.6         | 147.5        | GGGF                  |                     |                      | 154                     | 36                     |
| 2683-04092        | 00000/0000                            | 2-20037/0119     | 12/05/76         | 20             | 9516          | 3308N                        | 08318E        | 26.7         | 146.8        | GGGG                  |                     |                      | 154                     | 37                     |
| 2683-04095        | 00000/0000                            | 2-20037/0120     | 12/05/76         | 10             | 9516          | 3142N                        | 08253E        | 27.7         | 146.1        | GGGG                  |                     |                      | 154                     | 38                     |
| 2683-04101        | 00000/0000                            | 2-20037/0121     | 12/05/76         | 0              | 9516          | 3017N                        | 08228E        | 28.8         | 145.4        | GGGG                  |                     |                      | 154                     | 39                     |
| 2683-04104        | 00000/0000                            | 2-20037/0122     | 12/05/76         | 0              | 9516          | 2850N                        | 08204E        | 29.8         | 144.7        | GGGG                  |                     |                      | 154                     | 40                     |
| 2683-04110        | 00000/0000                            | 2-20037/0123     | 12/05/76         | 0              | 9516          | 2724N                        | 08140E        | 30.8         | 143.9        | GGGG                  |                     |                      | 154                     | 41                     |
| 2683-04113        | 00000/0000                            | 2-20037/0124     | 12/05/76         | 0              | 9516          | 2558N                        | 08117E        | 31.8         | 143.2        | GGGG                  |                     |                      | 154                     | 42                     |
| 2683-04115        | 00000/0000                            | 2-20037/0125     | 12/05/76         | 0              | 9516          | 2432N                        | 08054E        | 32.8         | 142.4        | GGGG                  |                     |                      | 154                     | 43                     |
| 2683-04122        | 00000/0000                            | 2-20037/0126     | 12/05/76         | 0              | 9516          | 2306N                        | 08032E        | 33.8         | 141.6        | GGGG                  |                     |                      | 154                     | 44                     |
| 2683-04124        | 00000/0000                            | 2-20037/0127     | 12/05/76         | 10             | 9516          | 2140N                        | 08009E        | 34.7         | 140.7        | FGGG                  |                     |                      | 154                     | 45                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | WICKS FILE #<br>POSITION IN RELI<br>RSV | DATE<br>ACQUIRED | CLOUD<br>COVER | SPLIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RSV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-----------------------------------------|------------------|----------------|-----------------|------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2683-04131        | 00000/0000                              | 2-20037/0128     | 12/05/76       | 10              | 9516                               | 2013N        | 07947E       | 35.7                  | 139.8               | GGGG                 | 154                     | 46                     |
| 2683-04133        | 00000/0000                              | 2-20037/0129     | 12/05/76       | 10              | 9516                               | 1846N        | 07925E       | 36.6                  | 138.9               | GGGG                 | 154                     | 47                     |
| 2683-04140        | 00000/0000                              | 2-20037/0130     | 12/05/76       | 10              | 9516                               | 1719N        | 07904E       | 37.6                  | 138.0               | GGGG                 | 154                     | 48                     |
| 2683-04142        | 00000/0000                              | 2-20037/0131     | 12/05/76       | 10              | 9516                               | 1553N        | 07843E       | 38.5                  | 137.0               | GGGG                 | 154                     | 49                     |
| 2683-04145        | 00000/0000                              | 2-20037/0132     | 12/05/76       | 10              | 9516                               | 1426N        | 07822E       | 39.3                  | 136.0               | GGGG                 | 154                     | 50                     |
| 2683-04151        | 00000/0000                              | 2-20037/0133     | 12/05/76       | 10              | 9516                               | 1300N        | 07802E       | 40.2                  | 135.0               | GGGG                 | 154                     | 51                     |
| 2683-04154        | 00000/0000                              | 2-20037/0134     | 12/05/76       | 20              | 9516                               | 1133N        | 07741E       | 41.0                  | 133.9               | GGGG                 | 154                     | 52                     |
| 2683-05462        | 00000/0000                              | 2-20037/0135     | 12/05/76       | 10              | 9517                               | 5423N        | 06554E       | 10.2                  | 156.5               | GFGG                 | 172                     | 22                     |
| 2683-05465        | 00000/0000                              | 2-20037/0136     | 12/05/76       | 10              | 9517                               | 5259N        | 06509E       | 11.3                  | 155.8               | GGGG                 | 172                     | 23                     |
| 2683-05471        | 00000/0000                              | 2-20037/0137     | 12/05/76       | 10              | 9517                               | 5135N        | 06426E       | 12.5                  | 155.1               | GGGG                 | 172                     | 24                     |
| 2683-05474        | 00000/0000                              | 2-20037/0138     | 12/05/76       | 10              | 9517                               | 5011N        | 06345E       | 13.6                  | 154.5               | GGGG                 | 172                     | 25                     |
| 2683-05480        | 00000/0000                              | 2-20037/0139     | 12/05/76       | 10              | 9517                               | 4846N        | 06307E       | 14.7                  | 153.8               | GGGG                 | 172                     | 26                     |
| 2683-05483        | 00000/0000                              | 2-20037/0140     | 12/05/76       | 0               | 9517                               | 4721N        | 06230E       | 15.8                  | 153.2               | GGGG                 | 172                     | 27                     |
| 2683-05485        | 00000/0000                              | 2-20037/0141     | 12/05/76       | 0               | 9517                               | 4556N        | 06154E       | 16.9                  | 152.6               | GGGG                 | 172                     | 28                     |
| 2683-05492        | 00000/0000                              | 2-20037/0142     | 12/05/76       | 10              | 9517                               | 4431N        | 06120E       | 18.0                  | 152.0               | FGGG                 | 172                     | 29                     |
| 2683-05494        | 00000/0000                              | 2-20037/0143     | 12/05/76       | 0               | 9517                               | 4306N        | 06048E       | 19.1                  | 151.3               | GGGG                 | 172                     | 30                     |
| 2683-05501        | 00000/0000                              | 2-20037/0144     | 12/05/76       | 0               | 9517                               | 4141N        | 06017E       | 20.2                  | 150.7               | GGGG                 | 172                     | 31                     |
| 2683-05503        | 00000/0000                              | 2-20037/0145     | 12/05/76       | 20              | 9517                               | 4017N        | 05947E       | 21.3                  | 150.1               | GGGG                 | 172                     | 32                     |
| 2683-05510        | 00000/0000                              | 2-20037/0146     | 12/05/76       | 80              | 9517                               | 3851N        | 05918E       | 22.4                  | 149.5               | GGGG                 | 172                     | 33                     |
| 2683-05512        | 00000/0000                              | 2-20037/0147     | 12/05/76       | 90              | 9517                               | 3725N        | 05850E       | 23.5                  | 148.8               | GGGG                 | 172                     | 34                     |
| 2683-05515        | 00000/0000                              | 2-20037/0148     | 12/05/76       | 80              | 9517                               | 3600N        | 05823E       | 24.5                  | 148.2               | GGGG                 | 172                     | 35                     |
| 2683-05521        | 00000/0000                              | 2-20037/0149     | 12/05/76       | 40              | 9517                               | 3434N        | 05756E       | 25.6                  | 147.5               | GGGG                 | 172                     | 36                     |
| 2683-05524        | 00000/0000                              | 2-20037/0150     | 12/05/76       | 0               | 9517                               | 3308N        | 05730E       | 26.7                  | 146.8               | GGGG                 | 172                     | 37                     |
| 2683-05530        | 00000/0000                              | 2-20037/0151     | 12/05/76       | 0               | 9517                               | 3142N        | 05705E       | 27.7                  | 146.1               | GGGG                 | 172                     | 38                     |
| 2683-05533        | 00000/0000                              | 2-20037/0152     | 12/05/76       | 0               | 9517                               | 3016N        | 05640E       | 28.7                  | 145.4               | GGGG                 | 172                     | 39                     |
| 2683-05535        | 00000/0000                              | 2-20037/0153     | 12/05/76       | 0               | 9517                               | 2849N        | 05616E       | 29.8                  | 144.7               | GGGG                 | 172                     | 40                     |
| 2683-07300        | 00000/0000                              | 2-20037/0302     | 12/05/76       | 90              | 9518                               | 5302N        | 03919E       | 11.3                  | 155.8               | GGGG                 | 190                     | 23                     |
| 2683-07303        | 00000/0000                              | 2-20037/0303     | 12/05/76       | 100             | 9518                               | 5138N        | 03837E       | 12.4                  | 155.2               | GGGG                 | 190                     | 24                     |
| 2683-07305        | 00000/0000                              | 2-20037/0304     | 12/05/76       | 100             | 9518                               | 5013N        | 03757E       | 13.5                  | 154.5               | GGGG                 | 190                     | 25                     |
| 2683-07312        | 00000/0000                              | 2-20037/0305     | 12/05/76       | 100             | 9518                               | 4849N        | 03719E       | 14.7                  | 153.9               | FGFG                 | 190                     | 26                     |
| 2683-07314        | 00000/0000                              | 2-20037/0306     | 12/05/76       | 80              | 9518                               | 4725N        | 03642E       | 15.8                  | 153.2               | GGGG                 | 190                     | 27                     |
| 2683-07321        | 00000/0000                              | 2-20037/0307     | 12/05/76       | 70              | 9518                               | 4600N        | 03606E       | 16.9                  | 152.6               | FGFG                 | 190                     | 28                     |
| 2683-07323        | 00000/0000                              | 2-20037/0308     | 12/05/76       | 60              | 9518                               | 4495N        | 03533E       | 18.0                  | 152.0               | FGFG                 | 190                     | 29                     |
| 2683-13045        | 00000/0000                              | 2-20037/0283     | 12/05/76       | 0               | 9521                               | 3307S        | 06222W       | 50.1                  | 85.9                | FFFF                 | 244                     | 83                     |
| 2683-13052        | 00000/0000                              | 2-20037/0284     | 12/05/76       | 0               | 9521                               | 3424S        | 06248W       | 49.7                  | 84.5                | GGGG                 | 244                     | 84                     |
| 2683-13054        | 00000/0000                              | 2-20037/0285     | 12/05/76       | 0               | 9521                               | 3600S        | 06315W       | 49.3                  | 83.0                | GGGG                 | 244                     | 85                     |

KEYS: CLOUD COVER 4 ..... 0 TO 100% = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, SAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 77

LANDSAT-2  
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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2683-13061        | 00000/0000                   | 2-20037/0286                | 12/05/76         | 0              | 9521            | 3725S                        | 06343W        | 48.8         | 81.6         | FFFF                               |                     |                      | 244                     | 86                     |
| 2683-13063        | 00000/0000                   | 2-20037/0287                | 12/05/76         | 0              | 9521            | 3850S                        | 06411W        | 48.3         | 80.3         | FFFF                               |                     |                      | 244                     | 87                     |
| 2683-14242        | 00000/0000                   | 2-20037/0196                | 12/05/76         | 10             | 9522            | 4847N                        | 06559W        | 14.6         | 153.8        | GGGG                               |                     |                      | 11                      | 26                     |
| 2683-14272        | 00000/0000                   | 2-20037/0197                | 12/05/76         | 30             | 9522            | 3822N                        | 06948W        | 22.3         | 149.4        | GGGG                               |                     |                      | 11                      | 33                     |
| 2683-14274        | 00000/0000                   | 2-20037/0198                | 12/05/76         | 70             | 9522            | 3726N                        | 07016W        | 23.4         | 148.8        | GGGG                               |                     |                      | 11                      | 34                     |
| 2683-14281        | 00000/0000                   | 2-20037/0199                | 12/05/76         | 40             | 9522            | 3600N                        | 07043W        | 24.5         | 148.2        | GGGG                               |                     |                      | 11                      | 35                     |
| 2683-14283        | 00000/0000                   | 2-20037/0200                | 12/05/76         | 50             | 9522            | 3434N                        | 07109W        | 25.5         | 147.5        | GGGG                               |                     |                      | 11                      | 36                     |
| 2683-14290        | 00000/0000                   | 2-20037/0201                | 12/05/76         | 50             | 9522            | 3309N                        | 07135W        | 26.6         | 146.8        | GGGG                               |                     |                      | 11                      | 37                     |
| 2683-14292        | 00000/0000                   | 2-20037/0202                | 12/05/76         | 90             | 9522            | 3143N                        | 07200W        | 27.6         | 146.1        | GGGG                               |                     |                      | 11                      | 38                     |
| 2683-14295        | 00000/0000                   | 2-20037/0203                | 12/05/76         | 90             | 9522            | 3016N                        | 07225W        | 28.7         | 145.4        | GGGG                               |                     |                      | 11                      | 39                     |
| 2683-14301        | 00000/0000                   | 2-20037/0204                | 12/05/76         | 90             | 9522            | 2850N                        | 07249W        | 29.7         | 144.7        | GGGG                               |                     |                      | 11                      | 40                     |
| 2683-14304        | 00000/0000                   | 2-20037/0205                | 12/05/76         | 90             | 9522            | 2724N                        | 07313W        | 30.7         | 143.9        | GGGG                               |                     |                      | 11                      | 41                     |
| 2683-14310        | 00000/0000                   | 2-20037/0208                | 12/05/76         | 80             | 9522            | 2558N                        | 07336W        | 31.7         | 143.2        | GG                                 |                     | H                    | 11                      | 42                     |
| 2683-14313        | 00000/0000                   | 2-20037/0206                | 12/05/76         | 40             | 9522            | 2431N                        | 07400W        | 32.7         | 142.4        | GGGG                               |                     | H                    | 11                      | 43                     |
| 2683-16071        | 00000/0000                   | 2-20037/0207                | 12/05/76         | 30             | 9523            | 5011N                        | 09111W        | 13.5         | 154.5        | GGGG                               |                     |                      | 29                      | 25                     |
| 2683-16144        | 00000/0000                   | 2-20037/0257                | 12/05/76         | 70             | 9523            | 2432N                        | 09947W        | 32.7         | 142.4        | GGGG                               |                     |                      | 29                      | 43                     |
| 2683-17494        | 00000/0000                   | 2-20037/0258                | 12/05/76         | 80             | 9524            | 5303N                        | 11535W        | 11.2         | 155.8        | G                                  |                     |                      | 47                      | 23                     |
| 2683-17500        | 00000/0000                   | 2-20037/0259                | 12/05/76         | 60             | 9524            | 5149N                        | 11418W        | 12.3         | 155.1        | G                                  |                     |                      | 47                      | 24                     |
| 2683-17503        | 00000/0000                   | 2-20037/0260                | 12/05/76         | 70             | 9524            | 5015N                        | 11658W        | 13.5         | 154.5        | GGGG                               |                     |                      | 47                      | 25                     |
| 2683-23245        | 00000/0000                   | 2-20037/0288                | 12/05/76         | 80             | 9527            | 3433S                        | 14218E        | 49.7         | 84.6         | GGGF                               |                     |                      | 101                     | 84                     |
| 2683-23252        | 00000/0000                   | 2-20037/0289                | 12/05/76         | 80             | 9527            | 3558S                        | 14151E        | 49.3         | 83.1         | GGGG                               |                     |                      | 101                     | 85                     |
| 2683-23254        | 00000/0000                   | 2-20037/0290                | 12/05/76         | 80             | 9527            | 3724S                        | 14123E        | 48.8         | 81.8         | GGGG                               |                     |                      | 101                     | 86                     |
| 2684-01065        | 00000/0000                   | 2-20037/0291                | 12/06/76         | 0              | 9528            | 3016S                        | 11742E        | 50.8         | 89.2         | GGGG                               |                     |                      | 119                     | 81                     |
| 2684-01072        | 00000/0000                   | 2-20037/0292                | 12/06/76         | 0              | 9528            | 3141S                        | 11718E        | 50.4         | 87.6         | GGGG                               |                     |                      | 119                     | 82                     |
| 2684-01074        | 00000/0000                   | 2-20037/0293                | 12/06/76         | 10             | 9528            | 3307S                        | 11652E        | 50.1         | 86.1         | GGGG                               |                     |                      | 119                     | 83                     |
| 2684-02312        | 00000/0000                   | 2-20037/0294                | 12/06/76         | 100            | 9529            | 3438N                        | 10808E        | 25.4         | 147.5        | GGGF                               |                     |                      | 137                     | 36                     |
| 2684-02315        | 00000/0000                   | 2-20037/0295                | 12/06/76         | 100            | 9529            | 3312N                        | 10742E        | 26.5         | 146.8        | GGGG                               |                     |                      | 137                     | 37                     |
| 2684-02321        | 00000/0000                   | 2-20037/0296                | 12/06/76         | 100            | 9529            | 3146N                        | 10717E        | 27.5         | 146.1        | GGGG                               |                     |                      | 137                     | 38                     |
| 2684-02324        | 00000/0000                   | 2-20037/0297                | 12/06/76         | 100            | 9529            | 3020N                        | 10652E        | 28.6         | 145.4        | GGGG                               |                     |                      | 137                     | 39                     |
| 2684-02330        | 00000/0000                   | 2-20037/0298                | 12/06/76         | 100            | 9529            | 2854N                        | 10628E        | 29.6         | 144.7        | GGGG                               |                     |                      | 137                     | 40                     |
| 2684-02333        | 00000/0000                   | 2-20037/0299                | 12/06/76         | 100            | 9529            | 2728N                        | 10604E        | 30.6         | 144.0        | GGGG                               |                     |                      | 137                     | 41                     |
| 2684-02335        | 00000/0000                   | 2-20037/0300                | 12/06/76         | 90             | 9529            | 2601N                        | 10541E        | 31.6         | 143.2        | GGGG                               |                     |                      | 137                     | 42                     |
| 2684-04094        | 00000/0000                   | 2-20037/0309                | 12/06/76         | 0              | 9530            | 5139N                        | 08847E        | 12.3         | 155.1        | FFFF                               |                     |                      | 155                     | 24                     |
| 2684-04100        | 00000/0000                   | 2-20037/0310                | 12/06/76         | 10             | 9530            | 5014N                        | 08807E        | 13.4         | 154.4        | FGPF                               |                     |                      | 155                     | 25                     |
| 2684-04103        | 00000/0000                   | 2-20037/0311                | 12/06/76         | 10             | 9530            | 4849N                        | 08729E        | 14.5         | 153.8        | FGFG                               |                     |                      | 155                     | 26                     |
| 2684-04105        | 00000/0000                   | 2-20037/0312                | 12/06/76         | 20             | 9530            | 4724N                        | 08652E        | 15.6         | 153.2        | PFPP                               |                     |                      | 155                     | 27                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | RAIL NR./<br>IN RAIL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2684-04112        | 00000/0000                   | 2-20037/0313                | 12/06/76         | 30             | 9530             | 4559N                                   | 08617E       | 16.7         | 152.5                              | FFPP                |                      | 155                     | 28                     |
| 2684-04114        | 00000/0000                   | 2-20037/0314                | 12/06/76         | 20             | 9530             | 4434N                                   | 08543E       | 17.8         | 151.9                              | FFPP                |                      | 155                     | 29                     |
| 2684-04121        | 00000/0000                   | 2-20037/0315                | 12/06/76         | 0              | 9530             | 4308N                                   | 08511E       | 18.9         | 151.3                              | FGPG                |                      | 155                     | 30                     |
| 2684-04123        | 00000/0000                   | 2-20037/0316                | 12/06/76         | 0              | 9530             | 4143N                                   | 08440E       | 20.0         | 150.7                              | PPPF                |                      | 155                     | 31                     |
| 2684-04130        | 00000/0000                   | 2-20037/0317                | 12/06/76         | 0              | 9530             | 4020N                                   | 08409E       | 21.1         | 150.1                              | PPPG                |                      | 155                     | 32                     |
| 2684-04132        | 00000/0000                   | 2-20037/0318                | 12/06/76         | 0              | 9530             | 3854N                                   | 08340E       | 22.2         | 149.4                              | PPPP                |                      | 155                     | 33                     |
| 2684-04135        | 00000/0000                   | 2-20037/0319                | 12/06/76         | 0              | 9530             | 3727N                                   | 08312E       | 23.3         | 148.8                              | PPPF                |                      | 155                     | 34                     |
| 2684-04141        | 00000/0000                   | 2-20037/0320                | 12/06/76         | 0              | 9530             | 3601N                                   | 08245E       | 24.4         | 148.1                              | FFPP                |                      | 155                     | 35                     |
| 2684-04144        | 00000/0000                   | 2-20037/0321                | 12/06/76         | 10             | 9530             | 3437N                                   | 08218E       | 25.4         | 147.5                              | PPPP                |                      | 155                     | 36                     |
| 2684-04150        | 00000/0000                   | 2-20037/0322                | 12/06/76         | 10             | 9530             | 3311N                                   | 08152E       | 26.5         | 146.8                              | PPPP                |                      | 155                     | 37                     |
| 2684-04153        | 00000/0000                   | 2-20037/0323                | 12/06/76         | 10             | 9530             | 3145N                                   | 08127E       | 27.5         | 146.1                              | PPPP                |                      | 155                     | 38                     |
| 2684-04155        | 00000/0000                   | 2-20037/0324                | 12/06/76         | 0              | 9530             | 3019N                                   | 08102E       | 28.6         | 145.4                              | PGPP                |                      | 155                     | 39                     |
| 2684-04162        | 00000/0000                   | 2-20037/0325                | 12/06/76         | 0              | 9530             | 2853N                                   | 08038E       | 29.6         | 144.7                              | GGPF                |                      | 155                     | 40                     |
| 2684-04164        | 00000/0000                   | 2-20037/0326                | 12/06/76         | 10             | 9530             | 2727N                                   | 08015E       | 30.6         | 144.0                              | PPPP                |                      | 155                     | 41                     |
| 2684-04171        | 00000/0000                   | 2-20037/0327                | 12/06/76         | 10             | 9530             | 2601N                                   | 07951E       | 31.6         | 143.2                              | PPPP                |                      | 155                     | 42                     |
| 2684-04173        | 00000/0000                   | 2-20037/0328                | 12/06/76         | 20             | 9530             | 2434N                                   | 07928E       | 32.6         | 142.4                              | PPPP                |                      | 155                     | 43                     |
| 2684-04180        | 00000/0000                   | 2-20037/0329                | 12/06/76         | 40             | 9530             | 2308N                                   | 07905E       | 33.6         | 141.6                              | PPPP                |                      | 155                     | 44                     |
| 2684-04182        | 00000/0000                   | 2-20037/0330                | 12/06/76         | 50             | 9530             | 2142N                                   | 07843E       | 34.5         | 140.7                              | PPPP                |                      | 155                     | 45                     |
| 2684-04185        | 00000/0000                   | 2-20037/0331                | 12/06/76         | 30             | 9530             | 2015N                                   | 07821E       | 35.5         | 139.9                              | PPPP                |                      | 155                     | 46                     |
| 2684-04191        | 00000/0000                   | 2-20037/0332                | 12/06/76         | 30             | 9530             | 1840N                                   | 07759E       | 36.4         | 139.0                              | PPPP                |                      | 155                     | 47                     |
| 2684-04194        | 00000/0000                   | 2-20037/0333                | 12/06/76         | 30             | 9530             | 1722N                                   | 07738E       | 37.4         | 138.0                              | PPPP                |                      | 155                     | 48                     |
| 2684-04200        | 00000/0000                   | 2-20037/0334                | 12/06/76         | 20             | 9530             | 1555N                                   | 07717E       | 38.3         | 137.1                              | PPPP                |                      | 155                     | 49                     |
| 2684-04203        | 00000/0000                   | 2-20037/0335                | 12/06/76         | 10             | 9530             | 1429N                                   | 07656E       | 39.2         | 136.1                              | PPPP                |                      | 155                     | 50                     |
| 2684-04205        | 00000/0000                   | 2-20037/0336                | 12/06/76         | 10             | 9530             | 1302N                                   | 07635E       | 40.0         | 135.0                              | PPPP                |                      | 155                     | 51                     |
| 2684-04212        | 00000/0000                   | 2-20037/0337                | 12/06/76         | 30             | 9530             | 1136N                                   | 07615E       | 40.9         | 134.0                              | PPPP                |                      | 155                     | 52                     |
| 2684-04255        | 00000/0000                   | 2-20037/0301                | 12/06/76         | 40             | 9530             | 0417S                                   | 07233E       | 48.4         | 119.6                              | GGGG                | H                    | 155                     | 63                     |
| 2684-05521        | 00000/0000                   | 2-20037/0338                | 12/06/76         | 20             | 9531             | 5427N                                   | 06428E       | 10.0         | 156.4                              | PPPP                |                      | 173                     | 22                     |
| 2684-05523        | 00000/0000                   | 2-20037/0339                | 12/06/76         | 20             | 9531             | 5302N                                   | 06343E       | 11.2         | 155.8                              | PPPP                |                      | 173                     | 23                     |
| 2684-05530        | 00000/0000                   | 2-20037/0340                | 12/06/76         | 10             | 9531             | 5138N                                   | 06300E       | 12.3         | 155.1                              | PPPP                |                      | 173                     | 24                     |
| 2684-05532        | 00000/0000                   | 2-20037/0341                | 12/06/76         | 10             | 9531             | 5013N                                   | 06219E       | 13.4         | 154.4                              | PPPP                |                      | 173                     | 25                     |
| 2684-05535        | 00000/0000                   | 2-20037/0342                | 12/06/76         | 0              | 9531             | 4848N                                   | 06141E       | 14.5         | 153.8                              | PPPP                |                      | 173                     | 26                     |
| 2684-05541        | 00000/0000                   | 2-20037/0343                | 12/06/76         | 10             | 9531             | 4724N                                   | 06104E       | 15.6         | 153.2                              | PPPF                |                      | 173                     | 27                     |
| 2684-05544        | 00000/0000                   | 2-20037/0344                | 12/06/76         | 0              | 9531             | 4600N                                   | 06028E       | 16.7         | 152.5                              | FFPP                |                      | 173                     | 28                     |
| 2684-05550        | 00000/0000                   | 2-20037/0345                | 12/06/76         | 0              | 9531             | 4435N                                   | 05954E       | 17.8         | 151.9                              | FFPP                |                      | 173                     | 29                     |
| 2684-05553        | 00000/0000                   | 2-20037/0346                | 12/06/76         | 0              | 9531             | 4309N                                   | 05922E       | 18.9         | 151.3                              | PPPF                |                      | 173                     | 30                     |
| 2684-05555        | 00000/0000                   | 2-20037/0347                | 12/06/76         | 10             | 9531             | 4144N                                   | 05851E       | 20.0         | 150.7                              | PPPP                |                      | 173                     | 31                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPOSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=H=HAIN, H=HIGH GAIN

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FOR NAM-US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|-------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2684-05562        | 00000/0000                   | 2-20037/0348                | 12/06/76         | 10             | 9531            | 4020N                        | 05821E                        | 21.1         | 150.1        | PPPP                               |                     |                      | 173                     | 32                     |
| 2684-05564        | 00000/0000                   | 2-20037/0349                | 12/06/76         | 30             | 9531            | 3855N                        | 05751E                        | 22.2         | 149.4        | PPPF                               |                     |                      | 173                     | 33                     |
| 2684-05571        | 00000/0000                   | 2-20037/0350                | 12/06/76         | 10             | 9531            | 3727N                        | 05724E                        | 23.3         | 148.8        | PPPG                               |                     |                      | 173                     | 34                     |
| 2684-05573        | 00000/0000                   | 2-20037/0351                | 12/06/76         | 10             | 9531            | 3602N                        | 05657E                        | 24.4         | 148.1        | PPPG                               |                     |                      | 173                     | 35                     |
| 2684-05580        | 00000/0000                   | 2-20037/0352                | 12/06/76         | 0              | 9531            | 3437N                        | 05630E                        | 25.4         | 147.5        | PPPF                               |                     |                      | 173                     | 36                     |
| 2684-05582        | 00000/0000                   | 2-20037/0353                | 12/06/76         | 0              | 9531            | 3311N                        | 05604E                        | 26.5         | 146.8        | PPPF                               |                     |                      | 173                     | 37                     |
| 2684-05585        | 00000/0000                   | 2-20037/0354                | 12/06/76         | 0              | 9531            | 3145N                        | 05539E                        | 27.5         | 146.1        | PPPP                               |                     |                      | 173                     | 38                     |
| 2684-05591        | 00000/0000                   | 2-20037/0355                | 12/06/76         | 0              | 9531            | 3018N                        | 05514E                        | 28.6         | 145.4        | PPPP                               |                     |                      | 173                     | 39                     |
| 2684-07352        | 00000/0000                   | 2-20037/0398                | 12/06/76         | 90             | 9532            | 5425N                        | 03837E                        | 10.0         | 156.4        | GGGG                               |                     |                      | 191                     | 22                     |
| 2684-07355        | 00000/0000                   | 2-20037/0399                | 12/06/76         | 90             | 9532            | 5301N                        | 03752E                        | 11.2         | 155.7        | GGGG                               |                     |                      | 191                     | 23                     |
| 2684-07361        | 00000/0000                   | 2-20037/0400                | 12/06/76         | 100            | 9532            | 5197N                        | 03710E                        | 12.3         | 155.1        | GGGG                               |                     |                      | 191                     | 24                     |
| 2684-07364        | 00000/0000                   | 2-20037/0401                | 12/06/76         | 100            | 9532            | 5043N                        | 03629E                        | 13.4         | 154.4        | GGGG                               |                     |                      | 191                     | 25                     |
| 2684-07370        | 00000/0000                   | 2-20037/0402                | 12/06/76         | 100            | 9532            | 4849N                        | 03551E                        | 14.5         | 153.8        | GGGG                               |                     |                      | 191                     | 26                     |
| 2684-07373        | 00000/0000                   | 2-20037/0403                | 12/06/76         | 100            | 9532            | 4724N                        | 03514E                        | 15.6         | 153.2        | GGGF                               |                     |                      | 191                     | 27                     |
| 2684-07375        | 00000/0000                   | 2-20037/0404                | 12/06/76         | 100            | 9532            | 4558N                        | 03438E                        | 16.7         | 152.5        | GGGG                               |                     |                      | 191                     | 28                     |
| 2684-07382        | 00000/0000                   | 2-20037/0405                | 12/06/76         | 100            | 9532            | 4433N                        | 03405E                        | 17.8         | 151.9        | GGGG                               |                     |                      | 191                     | 29                     |
| 2684-13103        | 00000/0000                   | 2-20037/0356                | 12/06/76         | 10             | 9535            | 3307S                        | 06349W                        | 50.1         | 86.2         | GGGG                               |                     |                      | 245                     | 83                     |
| 2684-13110        | 00000/0000                   | 2-20037/0357                | 12/06/76         | 60             | 9535            | 3432S                        | 06415W                        | 49.7         | 84.7         | GGGG                               |                     |                      | 245                     | 84                     |
| 2684-13112        | 00000/0000                   | 2-20037/0358                | 12/06/76         | 50             | 9535            | 3557S                        | 06443W                        | 49.3         | 83.3         | GGGG                               |                     |                      | 245                     | 85                     |
| 2684-13115        | 00000/0000                   | 2-20037/0359                | 12/06/76         | 10             | 9535            | 3722S                        | 06510W                        | 48.8         | 81.9         | GGGG                               |                     |                      | 245                     | 86                     |
| 2684-14341        | 00000/0000                   | 2-20037/0273                | 12/06/76         | 70             | 9536            | 3497N                        | 07234W                        | 25.4         | 147.5        | GGFG                               |                     |                      | 12                      | 36                     |
| 2684-14344        | 00000/0000                   | 2-20037/0274                | 12/06/76         | 70             | 9536            | 3311N                        | 07300W                        | 26.4         | 146.8        | GGGG                               |                     |                      | 12                      | 37                     |
| 2684-14350        | 00000/0000                   | 2-20037/0275                | 12/06/76         | 70             | 9536            | 3145N                        | 07325W                        | 27.5         | 146.1        | GGGG                               |                     |                      | 12                      | 38                     |
| 2684-14355        | 00000/0000                   | 2-20037/0282                | 12/06/76         | 80             | 9536            | 2853N                        | 07414W                        | 29.5         | 144.7        | GF                                 | H                   |                      | 12                      | 40                     |
| 2684-14362        | 00000/0000                   | 2-20037/0276                | 12/06/76         | 80             | 9536            | 2727N                        | 07439W                        | 30.5         | 143.9        | GGGG                               | H                   |                      | 12                      | 41                     |
| 2684-14364        | 00000/0000                   | 2-20037/0277                | 12/06/76         | 60             | 9536            | 2600N                        | 07502W                        | 31.5         | 143.2        | GGGG                               | H                   |                      | 12                      | 42                     |
| 2684-14371        | 00000/0000                   | 2-20037/0278                | 12/06/76         | 70             | 9536            | 2434N                        | 07526W                        | 32.5         | 142.4        | GGGG                               | H                   |                      | 12                      | 43                     |
| 2684-14373        | 00000/0000                   | 2-20037/0279                | 12/06/76         | 30             | 9536            | 2307N                        | 07548W                        | 33.5         | 141.6        | GGGG                               | H                   |                      | 12                      | 44                     |
| 2684-16123        | 00000/0000                   | 2-20037/0280                | 12/06/76         | 0              | 9537            | 5139N                        | 09154W                        | 12.2         | 155.1        | GGGG                               |                     |                      | 30                      | 24                     |
| 2684-16130        | 00000/0000                   | 2-20037/0281                | 12/06/76         | 0              | 9537            | 5014N                        | 09235W                        | 13.3         | 154.4        | GGGG                               |                     |                      | 30                      | 25                     |
| 2684-23303        | 00000/0000                   | 2-20037/0360                | 12/06/76         | 10             | 9541            | 3432S                        | 14051E                        | 49.7         | 84.8         | GGGG                               |                     |                      | 102                     | 84                     |
| 2684-23310        | 00000/0000                   | 2-20037/0361                | 12/06/76         | 30             | 9541            | 3557S                        | 14024E                        | 49.3         | 83.4         | GGGG                               |                     |                      | 102                     | 85                     |
| 2685-01121        | 00000/0000                   | 2-20037/0362                | 12/07/76         | 0              | 9542            | 2848S                        | 11642E                        | 51.0         | 91.1         | GGGG                               |                     |                      | 120                     | 80                     |
| 2685-01123        | 00000/0000                   | 2-20037/0363                | 12/07/76         | 10             | 9542            | 3014S                        | 11618E                        | 50.7         | 89.4         | GGGG                               |                     |                      | 120                     | 81                     |
| 2685-01130        | 00000/0000                   | 2-20037/0364                | 12/07/76         | 30             | 9542            | 3140S                        | 11553E                        | 50.4         | 87.9         | GGGG                               |                     |                      | 120                     | 82                     |
| 2685-02371        | 00000/0000                   | 2-20037/0365                | 12/07/76         | 40             | 9543            | 3436N                        | 10642E                        | 25.3         | 147.4        | GGGG                               |                     |                      | 138                     | 36                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NNN-US  
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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2685-02373        | 00000/0000                                     | 2-20037/0366     | 12/07/76    | 67                     | 9543                               | 3311N                               | 10616E       | 26.3         | 146.8             | GGGG                |                      | 138                     | 37                     |
| 2685-02380        | 00000/0000                                     | 2-20037/0367     | 12/07/76    | 90                     | 9543                               | 3145N                               | 10550E       | 27.4         | 146.1             | GGGG                |                      | 138                     | 38                     |
| 2685-02382        | 00000/0000                                     | 2-20037/0368     | 12/07/76    | 100                    | 9543                               | 3019N                               | 10525E       | 28.4         | 145.4             | GGGG                |                      | 138                     | 39                     |
| 2685-02385        | 00000/0000                                     | 2-20037/0369     | 12/07/76    | 100                    | 9543                               | 2853N                               | 10501E       | 29.4         | 144.7             | GGGG                |                      | 138                     | 40                     |
| 2685-02391        | 00000/0000                                     | 2-20037/0370     | 12/07/76    | 90                     | 9543                               | 2726N                               | 10437E       | 30.5         | 143.9             | GGGG                |                      | 138                     | 41                     |
| 2685-02394        | 00000/0000                                     | 2-20037/0371     | 12/07/76    | 90                     | 9543                               | 2600N                               | 10414E       | 31.5         | 143.2             | GGGG                |                      | 138                     | 42                     |
| 2685-02400        | 00000/0000                                     | 2-20037/0372     | 12/07/76    | 90                     | 9543                               | 2433N                               | 10351E       | 32.5         | 142.4             | GGGG                |                      | 138                     | 43                     |
| 2685-02403        | 00000/0000                                     | 2-20037/0373     | 12/07/76    | 80                     | 9543                               | 2307N                               | 10329E       | 33.4         | 141.6             | GGFG                |                      | 138                     | 44                     |
| 2685-04150        | 00000/0000                                     | 2-20036/1804     | 12/07/76    | 10                     | 9544                               | 5302N                               | 08806E       | 11.0         | 155.7             | PFPG                |                      | 156                     | 23                     |
| 2685-04152        | 00000/0000                                     | 2-20036/1805     | 12/07/76    | 10                     | 9544                               | 5138N                               | 08723E       | 12.2         | 155.0             | GGPG                |                      | 156                     | 24                     |
| 2685-04161        | 00000/0000                                     | 2-20036/1806     | 12/07/76    | 0                      | 9544                               | 4849N                               | 08604E       | 14.4         | 153.7             | GGFG                |                      | 156                     | 26                     |
| 2685-04164        | 00000/0000                                     | 2-20036/1807     | 12/07/76    | 10                     | 9544                               | 4724N                               | 08527E       | 15.5         | 153.1             | GFPG                |                      | 156                     | 27                     |
| 2685-04170        | 00000/0000                                     | 2-20036/1808     | 12/07/76    | 10                     | 9544                               | 4559N                               | 08452E       | 16.6         | 152.5             | GGFG                |                      | 156                     | 28                     |
| 2685-04175        | 00000/0000                                     | 2-20036/1809     | 12/07/76    | 0                      | 9544                               | 4309N                               | 08346E       | 18.8         | 151.2             | GGGG                |                      | 156                     | 30                     |
| 2685-04182        | 00000/0000                                     | 2-20036/1810     | 12/07/76    | 0                      | 9544                               | 4143N                               | 08312E       | 19.9         | 150.6             | GGFG                |                      | 156                     | 31                     |
| 2685-04184        | 00000/0000                                     | 2-20036/1811     | 12/07/76    | 10                     | 9544                               | 4018N                               | 08245E       | 21.0         | 150.0             | PFPG                |                      | 156                     | 32                     |
| 2685-04191        | 00000/0000                                     | 2-20036/1812     | 12/07/76    | 10                     | 9544                               | 3852N                               | 08216E       | 22.1         | 149.4             | GGGG                |                      | 156                     | 33                     |
| 2685-04193        | 00000/0000                                     | 2-20036/1813     | 12/07/76    | 30                     | 9544                               | 3727N                               | 08148E       | 23.1         | 148.7             | GGGF                |                      | 156                     | 34                     |
| 2685-04200        | 00000/0000                                     | 2-20036/1814     | 12/07/76    | 10                     | 9544                               | 3601N                               | 08121E       | 24.2         | 148.1             | GGGF                |                      | 156                     | 35                     |
| 2685-04202        | 00000/0000                                     | 2-20036/1815     | 12/07/76    | 10                     | 9544                               | 3435N                               | 08054E       | 25.3         | 147.4             | GGGG                |                      | 156                     | 36                     |
| 2685-04205        | 00000/0000                                     | 2-20036/1816     | 12/07/76    | 0                      | 9544                               | 3310N                               | 08028E       | 26.3         | 146.8             | GGGG                |                      | 156                     | 37                     |
| 2685-04211        | 00000/0000                                     | 2-20036/1817     | 12/07/76    | 0                      | 9544                               | 3144N                               | 08002E       | 27.4         | 146.1             | GGGG                |                      | 156                     | 38                     |
| 2685-04214        | 00000/0000                                     | 2-20036/1818     | 12/07/76    | 0                      | 9544                               | 3019N                               | 07938E       | 28.4         | 145.4             | GGGG                |                      | 156                     | 39                     |
| 2685-04220        | 00000/0000                                     | 2-20036/1819     | 12/07/76    | 0                      | 9544                               | 2853N                               | 07914E       | 29.4         | 144.7             | GGGG                |                      | 156                     | 40                     |
| 2685-04223        | 00000/0000                                     | 2-20036/1820     | 12/07/76    | 0                      | 9544                               | 2727N                               | 07850E       | 30.5         | 143.9             | GGGG                |                      | 156                     | 41                     |
| 2685-04225        | 00000/0000                                     | 2-20036/1821     | 12/07/76    | 10                     | 9544                               | 2600N                               | 07826E       | 31.5         | 143.2             | GGGG                |                      | 156                     | 42                     |
| 2685-04232        | 00000/0000                                     | 2-20036/1822     | 12/07/76    | 40                     | 9544                               | 2433N                               | 07803E       | 32.5         | 142.4             | GGGF                |                      | 156                     | 43                     |
| 2685-04234        | 00000/0000                                     | 2-20036/1823     | 12/07/76    | 50                     | 9544                               | 2308N                               | 07740E       | 33.4         | 141.6             | GGGG                |                      | 156                     | 44                     |
| 2685-04241        | 00000/0000                                     | 2-20036/1824     | 12/07/76    | 50                     | 9544                               | 2141N                               | 07718E       | 34.4         | 140.7             | GGFG                |                      | 156                     | 45                     |
| 2685-04243        | 00000/0000                                     | 2-20036/1825     | 12/07/76    | 60                     | 9544                               | 2015N                               | 07656E       | 35.4         | 139.9             | GGGG                |                      | 156                     | 46                     |
| 2685-04250        | 00000/0000                                     | 2-20036/1826     | 12/07/76    | 30                     | 9544                               | 1848N                               | 07635E       | 36.3         | 139.0             | GGGG                |                      | 156                     | 47                     |
| 2685-04252        | 00000/0000                                     | 2-20036/1827     | 12/07/76    | 10                     | 9544                               | 1722N                               | 07614E       | 37.2         | 138.0             | GGGF                |                      | 156                     | 48                     |
| 2685-04255        | 00000/0000                                     | 2-20036/1828     | 12/07/76    | 0                      | 9544                               | 1556N                               | 07553E       | 38.1         | 137.1             | GGGG                |                      | 156                     | 49                     |
| 2685-04261        | 00000/0000                                     | 2-20036/1829     | 12/07/76    | 10                     | 9544                               | 1429N                               | 07532E       | 39.0         | 136.1             | GGGG                |                      | 156                     | 50                     |
| 2685-04264        | 00000/0000                                     | 2-20036/1830     | 12/07/76    | 10                     | 9544                               | 1302N                               | 07511E       | 39.9         | 135.1             | GGGG                |                      | 156                     | 51                     |
| 2685-04270        | 00000/0000                                     | 2-20036/1831     | 12/07/76    | 40                     | 9544                               | 1136N                               | 07450E       | 40.7         | 134.0             | GGGG                |                      | 156                     | 52                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
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FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|----------------------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2685-04314        | 00000/0000 2-20037/0374                            | 12/07/76         | 40             | 9544            | 0417S                        | 07109E        | 48.3         | 119.7        | GGGG                               |                     | H                    | 156                     | 63                     |
| 2685-05575        | 00000/0000 2-20036/1832                            | 12/07/76         | 50             | 9545            | 5426N                        | 06302E        | 9.9          | 156.4        | GGGG                               |                     |                      | 174                     | 22                     |
| 2685-05581        | 00000/0000 2-20036/1833                            | 12/07/76         | 40             | 9545            | 5302N                        | 06218E        | 11.0         | 155.7        | GGGG                               |                     |                      | 174                     | 23                     |
| 2685-05584        | 00000/0000 2-20036/1834                            | 12/07/76         | 10             | 9545            | 5178N                        | 06134E        | 12.1         | 155.0        | GGGG                               |                     |                      | 174                     | 24                     |
| 2685-05590        | 00000/0000 2-20036/1835                            | 12/07/76         | 0              | 9545            | 5013N                        | 06053E        | 13.3         | 154.4        | FGGG                               |                     |                      | 174                     | 25                     |
| 2685-05593        | 00000/0000 2-20036/1836                            | 12/07/76         | 0              | 9545            | 4849N                        | 06014E        | 14.4         | 153.7        | GGGF                               |                     |                      | 174                     | 26                     |
| 2685-05595        | 00000/0000 2-20036/1837                            | 12/07/76         | 0              | 9545            | 4724N                        | 05937E        | 15.5         | 153.1        | GGGG                               |                     |                      | 174                     | 27                     |
| 2685-06002        | 00000/0000 2-20036/1838                            | 12/07/76         | 10             | 9545            | 4559N                        | 05902E        | 16.6         | 152.5        | GGGG                               |                     |                      | 174                     | 28                     |
| 2685-06004        | 00000/0000 2-20036/1839                            | 12/07/76         | 50             | 9545            | 4434N                        | 05827E        | 17.7         | 151.9        | FGGG                               |                     |                      | 174                     | 29                     |
| 2685-06011        | 00000/0000 2-20036/1840                            | 12/07/76         | 40             | 9545            | 4309N                        | 05754E        | 18.8         | 151.2        | GGGG                               |                     |                      | 174                     | 30                     |
| 2685-06013        | 00000/0000 2-20036/1841                            | 12/07/76         | 10             | 9545            | 4143N                        | 05723E        | 19.9         | 150.6        | GGGG                               |                     |                      | 174                     | 31                     |
| 2685-06020        | 00000/0000 2-20036/1842                            | 12/07/76         | 10             | 9545            | 4019N                        | 05653E        | 21.0         | 150.0        | FGGG                               |                     |                      | 174                     | 32                     |
| 2685-06022        | 00000/0000 2-20036/1843                            | 12/07/76         | 0              | 9545            | 3853N                        | 05624E        | 22.1         | 149.4        | GGGG                               |                     |                      | 174                     | 33                     |
| 2685-06025        | 00000/0000 2-20036/1844                            | 12/07/76         | 10             | 9545            | 3728N                        | 05556E        | 23.1         | 148.7        | GGFG                               |                     |                      | 174                     | 34                     |
| 2685-06031        | 00000/0000 2-20036/1845                            | 12/07/76         | 0              | 9545            | 3602N                        | 05529E        | 24.2         | 148.1        | GGGG                               |                     |                      | 174                     | 35                     |
| 2685-06034        | 00000/0000 2-20036/1846                            | 12/07/76         | 0              | 9545            | 3437N                        | 05502E        | 25.3         | 147.4        | GGGG                               |                     |                      | 174                     | 36                     |
| 2685-06040        | 00000/0000 2-20036/1847                            | 12/07/76         | 0              | 9545            | 3311N                        | 05436E        | 26.3         | 146.8        | GGGG                               |                     |                      | 174                     | 37                     |
| 2685-06043        | 00000/0000 2-20037/0406                            | 12/07/76         | 0              | 9545            | 3145N                        | 05411E        | 27.4         | 146.1        | GGGG                               |                     |                      | 174                     | 38                     |
| 2685-07410        | 00000/0000 2-20037/0407                            | 12/07/76         | 90             | 9546            | 5424N                        | 03710E        | 9.9          | 156.4        | GGGG                               |                     |                      | 192                     | 22                     |
| 2685-07413        | 00000/0000 2-20037/0408                            | 12/07/76         | 70             | 9546            | 5301N                        | 03625E        | 11.0         | 155.7        | GGGG                               |                     |                      | 192                     | 23                     |
| 2685-07415        | 00000/0000 2-20037/0409                            | 12/07/76         | 30             | 9546            | 5176N                        | 03542E        | 12.1         | 155.0        | FGFG                               |                     |                      | 192                     | 24                     |
| 2685-07422        | 00000/0000 2-20037/0409                            | 12/07/76         | 30             | 9546            | 5012N                        | 03501E        | 13.3         | 154.4        | FFGG                               |                     |                      | 192                     | 25                     |
| 2685-07424        | 00000/0000 2-20037/0409                            | 12/07/76         | 30             | 9546            | 4847N                        | 03423E        | 14.4         | 153.7        | GGFG                               |                     |                      | 192                     | 26                     |
| 2685-07431        | 00000/0000 2-20037/0409                            | 12/07/76         | 90             | 9546            | 4722N                        | 03347E        | 15.5         | 153.1        | GGGG                               |                     |                      | 192                     | 27                     |
| 2685-07433        | 00000/0000 2-20037/0409                            | 12/07/76         | 90             | 9546            | 4557N                        | 03312E        | 16.6         | 152.5        | FGGG                               |                     |                      | 192                     | 28                     |
| 2685-13155        | 00000/0000 2-20037/0382                            | 12/07/76         | 10             | 9549            | 3140S                        | 06450W        | 50.4         | 88.0         | GGGG                               |                     |                      | 246                     | 82                     |
| 2685-13162        | 00000/0000 2-20037/0383                            | 12/07/76         | 20             | 9549            | 3306S                        | 06516W        | 50.0         | 86.4         | FFFG                               |                     |                      | 246                     | 83                     |
| 2685-14355        | 00000/0000 2-20037/0423                            | 12/07/76         | 100            | 9550            | 4850N                        | 06850W        | 14.3         | 153.7        | GGGF                               |                     |                      | 13                      | 26                     |
| 2685-16184        | 00000/0000 2-20037/0375                            | 12/07/76         | 0              | 9551            | 5014N                        | 09402W        | 13.2         | 154.3        | GGGG                               |                     |                      | 31                      | 25                     |
| 2685-18013        | 00000/0000 2-20037/0376                            | 12/07/76         | 70             | 9552            | 5138N                        | 11911W        | 12.1         | 155.0        | FGFG                               |                     |                      | 49                      | 24                     |
| 2685-18015        | 00000/0000 2-20037/0377                            | 12/07/76         | 70             | 9552            | 5013N                        | 11951W        | 13.2         | 154.3        | GGGF                               |                     |                      | 49                      | 25                     |
| 2685-23362        | 00000/0000 2-20037/0384                            | 12/07/76         | 10             | 9555            | 3432S                        | 13925E        | 49.6         | 85.1         | FGGF                               |                     |                      | 103                     | 84                     |
| 2686-01175        | 00000/0000 2-20037/0385                            | 12/08/76         | 30             | 9556            | 2849S                        | 11515E        | 50.9         | 91.3         | GGGG                               |                     |                      | 121                     | 80                     |
| 2686-01182        | 00000/0000 2-20037/0386                            | 12/08/76         | 30             | 9556            | 3015S                        | 11450E        | 50.6         | 89.6         | GGGG                               |                     |                      | 121                     | 81                     |
| 2686-02413        | 00000/0000 2-20037/0387                            | 12/08/76         | 10             | 9557            | 3851N                        | 10638E        | 21.9         | 149.3        | GGGG                               |                     |                      | 139                     | 33                     |
| 2686-02420        | 00000/0000 2-20037/0388                            | 12/08/76         | 0              | 9557            | 3725N                        | 10610E        | 23.0         | 148.7        | GGGG                               |                     |                      | 139                     | 34                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>POSITION<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------------------|------------------|----------------|-----------------|------------------------------|------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2686-02422        | 00000/0000                   | 2-20037/0389                            | 12/08/76         | 0              | 9557            | 3600N                        | 10543E                 | 24.1         | 148.0        | GGGG                               |                     |                      | 139                     | 35                     |
| 2686-02425        | 00000/0000                   | 2-20037/0390                            | 12/08/76         | 0              | 9557            | 3434N                        | 10516E                 | 25.1         | 147.4        | GGGG                               |                     |                      | 139                     | 36                     |
| 2686-02431        | 00000/0000                   | 2-20037/0391                            | 12/08/76         | 20             | 9557            | 3308N                        | 10450E                 | 26.2         | 146.7        | GGGG                               |                     |                      | 139                     | 37                     |
| 2686-02434        | 00000/0000                   | 2-20037/0392                            | 12/08/76         | 40             | 9557            | 3143N                        | 10424E                 | 27.2         | 146.0        | GGGG                               |                     |                      | 139                     | 38                     |
| 2686-02440        | 00000/0000                   | 2-20037/0393                            | 12/08/76         | 70             | 9557            | 3017N                        | 10359E                 | 28.3         | 145.3        | GGGG                               |                     |                      | 139                     | 39                     |
| 2686-02443        | 00000/0000                   | 2-20037/0394                            | 12/08/76         | 90             | 9557            | 2851N                        | 10335E                 | 29.3         | 144.6        | GGGG                               |                     |                      | 139                     | 40                     |
| 2686-02445        | 00000/0000                   | 2-20037/0395                            | 12/08/76         | 100            | 9557            | 2725N                        | 10311E                 | 30.3         | 143.9        | GGGG                               |                     |                      | 139                     | 41                     |
| 2686-02452        | 00000/0000                   | 2-20037/0396                            | 12/08/76         | 100            | 9557            | 2559N                        | 10247E                 | 31.3         | 143.1        | GGGG                               |                     |                      | 139                     | 42                     |
| 2686-02454        | 00000/0000                   | 2-20037/0397                            | 12/08/76         | 90             | 9557            | 2434N                        | 10224E                 | 32.3         | 142.3        | GGGG                               |                     |                      | 139                     | 43                     |
| 2686-04204        | 00000/0000                   | 2-20037/0424                            | 12/08/76         | 50             | 9558            | 5302N                        | 08638E                 | 10.9         | 155.6        | PPFP                               |                     |                      | 157                     | 23                     |
| 2686-04210        | 00000/0000                   | 2-20037/0425                            | 12/08/76         | 30             | 9558            | 5137N                        | 08555E                 | 12.0         | 154.9        | GGGG                               |                     |                      | 157                     | 24                     |
| 2686-04213        | 00000/0000                   | 2-20037/0426                            | 12/08/76         | 10             | 9558            | 5013N                        | 08516E                 | 13.1         | 154.3        | GGGG                               |                     |                      | 157                     | 25                     |
| 2686-04215        | 00000/0000                   | 2-20037/0427                            | 12/08/76         | 0              | 9558            | 4848N                        | 08437E                 | 14.3         | 153.7        | GGGG                               |                     |                      | 157                     | 26                     |
| 2686-04222        | 00000/0000                   | 2-20037/0428                            | 12/08/76         | 0              | 9558            | 4723N                        | 08401E                 | 15.4         | 153.0        | FFFF                               |                     |                      | 157                     | 27                     |
| 2686-04224        | 00000/0000                   | 2-20037/0429                            | 12/08/76         | 10             | 9558            | 4558N                        | 08325E                 | 16.5         | 152.4        | FGGG                               |                     |                      | 157                     | 28                     |
| 2686-04231        | 00000/0000                   | 2-20037/0430                            | 12/08/76         | 10             | 9558            | 4434N                        | 08251E                 | 17.6         | 151.8        | GGGG                               |                     |                      | 157                     | 29                     |
| 2686-04233        | 00000/0000                   | 2-20037/0431                            | 12/08/76         | 0              | 9558            | 4308N                        | 08218E                 | 18.7         | 151.2        | GGGG                               |                     |                      | 157                     | 30                     |
| 2686-04240        | 00000/0000                   | 2-20037/0432                            | 12/08/76         | 0              | 9558            | 4143N                        | 08147E                 | 19.8         | 150.6        | GGGG                               |                     |                      | 157                     | 31                     |
| 2686-04242        | 00000/0000                   | 2-20037/0433                            | 12/08/76         | 20             | 9558            | 4017N                        | 08117E                 | 20.9         | 149.9        | PGFO                               |                     |                      | 157                     | 32                     |
| 2686-04245        | 00000/0000                   | 2-20037/0434                            | 12/08/76         | 50             | 9558            | 3852N                        | 08048E                 | 21.9         | 149.3        | FGGG                               |                     |                      | 157                     | 33                     |
| 2686-04251        | 00000/0000                   | 2-20037/0435                            | 12/08/76         | 60             | 9558            | 3726N                        | 08020E                 | 23.0         | 148.7        | GGGG                               |                     |                      | 157                     | 34                     |
| 2686-04254        | 00000/0000                   | 2-20037/0436                            | 12/08/76         | 70             | 9558            | 3600N                        | 07953E                 | 24.1         | 148.0        | GGGG                               |                     |                      | 157                     | 35                     |
| 2686-04260        | 00000/0000                   | 2-20037/0437                            | 12/08/76         | 80             | 9558            | 3435N                        | 07926E                 | 25.1         | 147.4        | GGGG                               |                     |                      | 157                     | 36                     |
| 2686-04263        | 00000/0000                   | 2-20037/0438                            | 12/08/76         | 80             | 9558            | 3309N                        | 07900E                 | 26.2         | 146.7        | GGGG                               |                     |                      | 157                     | 37                     |
| 2686-04265        | 00000/0000                   | 2-20037/0439                            | 12/08/76         | 60             | 9558            | 3143N                        | 07835E                 | 27.2         | 146.0        | GGGG                               |                     |                      | 157                     | 38                     |
| 2686-04272        | 00000/0000                   | 2-20037/0440                            | 12/08/76         | 10             | 9558            | 3017N                        | 07810E                 | 28.3         | 145.3        | GGGG                               |                     |                      | 157                     | 39                     |
| 2686-04274        | 00000/0000                   | 2-20037/0441                            | 12/08/76         | 10             | 9558            | 2852N                        | 07746E                 | 29.3         | 144.6        | GGGG                               |                     |                      | 157                     | 40                     |
| 2686-04281        | 00000/0000                   | 2-20037/0442                            | 12/08/76         | 50             | 9558            | 2726N                        | 07723E                 | 30.3         | 143.9        | GGGG                               |                     |                      | 157                     | 41                     |
| 2686-04283        | 00000/0000                   | 2-20037/0443                            | 12/08/76         | 80             | 9558            | 2600N                        | 07700E                 | 31.3         | 143.1        | GGGG                               |                     |                      | 157                     | 42                     |
| 2686-04290        | 00000/0000                   | 2-20037/0444                            | 12/08/76         | 70             | 9558            | 2434N                        | 07637E                 | 32.3         | 142.3        | GGGG                               |                     |                      | 157                     | 43                     |
| 2686-04292        | 00000/0000                   | 2-20037/0445                            | 12/08/76         | 50             | 9558            | 2307N                        | 07614E                 | 33.3         | 141.5        | GGGG                               |                     |                      | 157                     | 44                     |
| 2686-04295        | 00000/0000                   | 2-20037/0446                            | 12/08/76         | 50             | 9558            | 2140N                        | 07551E                 | 34.3         | 140.7        | GGGG                               |                     |                      | 157                     | 45                     |
| 2686-04301        | 00000/0000                   | 2-20037/0447                            | 12/08/76         | 60             | 9558            | 2014N                        | 07529E                 | 35.2         | 139.8        | GGGG                               |                     |                      | 157                     | 46                     |
| 2686-04302        | 00000/0000                   | 2-20037/0448                            | 12/08/76         | 40             | 9558            | 1847N                        | 07508E                 | 36.1         | 138.9        | GGGG                               |                     |                      | 157                     | 47                     |
| 2686-04310        | 00000/0000                   | 2-20037/0449                            | 12/08/76         | 40             | 9558            | 1721N                        | 07446E                 | 37.1         | 138.0        | GGGG                               |                     |                      | 157                     | 48                     |
| 2686-04313        | 00000/0000                   | 2-20037/0450                            | 12/08/76         | 20             | 9558            | 1554N                        | 07424E                 | 38.0         | 137.1        | GGGG                               |                     |                      | 157                     | 49                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NAN-US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN RSLI<br>RBV | ROLL NO./<br>POSITION IN RSLI<br>MSS | DATE<br>ACQUIRED | CLSUD<br>COVER | SBRIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA MODE | MSS<br>IMAGE GAIN | SBRIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|--------------------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|-----------------------|------------------|-------------------|-------------------------|------------------------|
| 2686-04315        | 00000/0000                           | 2-20037/0451                         | 12/08/76         | 10             | 9558            | 1428N                                   | 07404E       | 38.9         | 136.1                 | GGGG             |                   | 157                     | 50                     |
| 2686-04322        | 00000/0000                           | 2-20037/0452                         | 12/08/76         | 10             | 9558            | 1302N                                   | 07343E       | 39.7         | 135.1                 | GGGG             |                   | 157                     | 51                     |
| 2686-06033        | 00000/0000                           | 2-20037/0453                         | 12/08/76         | 10             | 9559            | 5425N                                   | 06135E       | 9.8          | 156.3                 | FGGG             |                   | 175                     | 22                     |
| 2686-06035        | 00000/0000                           | 2-20037/0454                         | 12/08/76         | 0              | 9559            | 5301N                                   | 06050E       | 10.9         | 155.6                 | GGFG             |                   | 175                     | 23                     |
| 2686-06042        | 00000/0000                           | 2-20037/0455                         | 12/08/76         | 0              | 9559            | 5136N                                   | 06007E       | 12.0         | 154.9                 | GGGF             |                   | 175                     | 24                     |
| 2686-06044        | 00000/0000                           | 2-20037/0456                         | 12/08/76         | 0              | 9559            | 5012N                                   | 05927E       | 13.1         | 154.3                 | GGGG             |                   | 175                     | 25                     |
| 2686-06051        | 00000/0000                           | 2-20037/0457                         | 12/08/76         | 0              | 9559            | 4848N                                   | 05848E       | 14.3         | 153.6                 | GGGG             |                   | 175                     | 26                     |
| 2686-06053        | 00000/0000                           | 2-20037/0458                         | 12/08/76         | 0              | 9559            | 4724N                                   | 05812E       | 15.4         | 153.0                 | GGFG             |                   | 175                     | 27                     |
| 2686-06060        | 00000/0000                           | 2-20037/0459                         | 12/08/76         | 60             | 9559            | 4559N                                   | 05737E       | 16.5         | 152.4                 | GGGG             |                   | 175                     | 28                     |
| 2686-06062        | 00000/0000                           | 2-20037/0460                         | 12/08/76         | 100            | 9559            | 4433N                                   | 05702E       | 17.6         | 151.8                 | GGGG             |                   | 175                     | 29                     |
| 2686-06065        | 00000/0000                           | 2-20037/0461                         | 12/08/76         | 20             | 9559            | 4308N                                   | 05629E       | 18.7         | 151.2                 | GGGG             |                   | 175                     | 30                     |
| 2686-06071        | 00000/0000                           | 2-20037/0462                         | 12/08/76         | 10             | 9559            | 4142N                                   | 05558E       | 19.8         | 150.6                 | GGGG             |                   | 175                     | 31                     |
| 2686-06074        | 00000/0000                           | 2-20037/0463                         | 12/08/76         | 10             | 9559            | 4017N                                   | 05528E       | 20.9         | 149.9                 | GGGG             |                   | 175                     | 32                     |
| 2686-06080        | 00000/0000                           | 2-20037/0464                         | 12/08/76         | 40             | 9559            | 3852N                                   | 05459E       | 21.9         | 149.3                 | GGGG             |                   | 175                     | 33                     |
| 2686-06083        | 00000/0000                           | 2-20037/0465                         | 12/08/76         | 40             | 9559            | 3727N                                   | 05431E       | 23.0         | 148.7                 | GGGG             |                   | 175                     | 34                     |
| 2686-06085        | 00000/0000                           | 2-20037/0466                         | 12/08/76         | 40             | 9559            | 3601N                                   | 05404E       | 24.1         | 148.0                 | GGGG             |                   | 175                     | 35                     |
| 2686-06092        | 00000/0000                           | 2-20037/0410                         | 12/08/76         | 10             | 9559            | 3436N                                   | 05337E       | 25.1         | 147.4                 | GGGG             |                   | 175                     | 36                     |
| 2686-07473        | 00000/0000                           | 2-20037/0568                         | 12/08/76         | 100            | 9560            | 5140N                                   | 03419E       | 12.0         | 154.9                 | FGGG             |                   | 193                     | 24                     |
| 2686-07482        | 00000/0000                           | 2-20037/0569                         | 12/08/76         | 80             | 9560            | 4851N                                   | 03300E       | 14.2         | 153.7                 | GGGG             |                   | 193                     | 26                     |
| 2686-07485        | 00000/0000                           | 2-20037/0570                         | 12/08/76         | 80             | 9560            | 4726N                                   | 03223E       | 15.3         | 153.0                 | GGGG             |                   | 193                     | 27                     |
| 2686-07491        | 00000/0000                           | 2-20037/0571                         | 12/08/76         | 80             | 9560            | 4601N                                   | 03147E       | 16.4         | 152.4                 | GGGG             |                   | 193                     | 28                     |
| 2686-14481        | 00000/0000                           | 2-20037/0467                         | 12/08/76         | 70             | 9564            | 2558N                                   | 07756W       | 31.3         | 143.1                 | GGGG             |                   | 14                      | 42                     |
| 2686-14483        | 00000/0000                           | 2-20037/0468                         | 12/08/76         | 60             | 9564            | 2432N                                   | 07819W       | 32.2         | 142.3                 | GGGG             |                   | 14                      | 43                     |
| 2686-14490        | 00000/0000                           | 2-20037/0469                         | 12/08/76         | 30             | 9564            | 2306N                                   | 07841W       | 33.2         | 141.5                 | GGGG             |                   | 14                      | 44                     |
| 2686-16242        | 00000/0000                           | 2-20037/0484                         | 12/08/76         | 10             | 9565            | 5013N                                   | 09529W       | 13.1         | 154.2                 | GGGG             |                   | 32                      | 25                     |
| 2686-18074        | 00000/0000                           | 2-20037/0485                         | 12/08/76         | 80             | 9566            | 5013N                                   | 12117W       | 13.1         | 154.2                 | GGGG             |                   | 50                      | 25                     |
| 2686-23413        | 00000/0000                           | 2-20037/0572                         | 12/08/76         | 30             | 9569            | 3328S                                   | 13825E       | 49.9         | 86.7                  | GGGG             |                   | 104                     | 83                     |
| 2686-23420        | 00000/0000                           | 2-20037/0573                         | 12/08/76         | 40             | 9569            | 3434S                                   | 13759E       | 49.6         | 85.2                  | GGGG             |                   | 104                     | 84                     |
| 2687-01231        | 00000/0000                           | 2-20037/0574                         | 12/09/76         | 20             | 9570            | 2724S                                   | 11413E       | 51.0         | 93.1                  | GGGG             |                   | 122                     | 79                     |
| 2687-01233        | 00000/0000                           | 2-20037/0575                         | 12/09/76         | 30             | 9570            | 2850S                                   | 11350E       | 50.8         | 91.4                  | GGFG             |                   | 122                     | 80                     |
| 2687-02474        | 00000/0000                           | 2-20037/0576                         | 12/09/76         | 0              | 9571            | 3726N                                   | 10443E       | 22.9         | 148.6                 | FFGG             |                   | 140                     | 34                     |
| 2687-02492        | 00000/0000                           | 2-20037/0577                         | 12/09/76         | 0              | 9571            | 3143N                                   | 10268E       | 27.1         | 146.0                 | GGGG             |                   | 140                     | 38                     |
| 2687-04262        | 00000/0000                           | 2-20037/0486                         | 12/09/76         | 80             | 9572            | 5304N                                   | 08515E       | 10.7         | 155.5                 | GGGG             |                   | 158                     | 23                     |
| 2687-04264        | 00000/0000                           | 2-20037/0487                         | 12/09/76         | 10             | 9572            | 5140N                                   | 08433E       | 11.9         | 154.9                 | GGGG             |                   | 158                     | 24                     |
| 2687-04271        | 00000/0000                           | 2-20037/0488                         | 12/09/76         | 10             | 9572            | 5015N                                   | 08352E       | 13.0         | 154.2                 | GGGG             |                   | 158                     | 25                     |
| 2687-04273        | 00000/0000                           | 2-20037/0489                         | 12/09/76         | 0              | 9572            | 4851N                                   | 08314E       | 14.1         | 153.6                 | GGGG             |                   | 158                     | 26                     |

KEYS: CLSUD COVER % ..... 0 TO 100 = % CLSUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN-ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-----------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2687-04280        | 00000/0000            | 2-20037/0490                | 12/09/76         | 0              | 9572            | 4726N                        | 08236E        | 15.2         | 153.0        | GGGG                  |                     |                      | 158                     | 27                     |
| 2687-04282        | 00000/0000            | 2-20037/0491                | 12/09/76         | 10             | 9572            | 4601N                        | 08201E        | 16.3         | 152.4        | GGGG                  |                     |                      | 158                     | 28                     |
| 2687-04285        | 00000/0000            | 2-20037/0492                | 12/09/76         | 10             | 9572            | 4436N                        | 08127E        | 17.4         | 151.7        | GGGG                  |                     |                      | 158                     | 29                     |
| 2687-04291        | 00000/0000            | 2-20037/0493                | 12/09/76         | 0              | 9572            | 4311N                        | 08054E        | 18.5         | 151.1        | GGGG                  |                     |                      | 158                     | 30                     |
| 2687-04294        | 00000/0000            | 2-20037/0494                | 12/09/76         | 20             | 9572            | 4146N                        | 08023E        | 19.6         | 150.5        | GGGG                  |                     |                      | 158                     | 31                     |
| 2687-04300        | 00000/0000            | 2-20037/0495                | 12/09/76         | 50             | 9572            | 4020N                        | 07953E        | 20.7         | 149.9        | GGGG                  |                     |                      | 158                     | 32                     |
| 2687-04303        | 00000/0000            | 2-20037/0496                | 12/09/76         | 30             | 9572            | 3855N                        | 07924E        | 21.8         | 149.3        | GGG                   |                     |                      | 158                     | 33                     |
| 2687-04305        | 00000/0000            | 2-20037/0497                | 12/09/76         | 10             | 9572            | 3729N                        | 07856E        | 22.8         | 148.6        | GGGG                  |                     |                      | 158                     | 34                     |
| 2687-04312        | 00000/0000            | 2-20037/0498                | 12/09/76         | 20             | 9572            | 3604N                        | 07828E        | 23.9         | 148.0        | GGGG                  |                     |                      | 158                     | 35                     |
| 2687-04314        | 00000/0000            | 2-20037/0499                | 12/09/76         | 10             | 9572            | 3437N                        | 07801E        | 25.0         | 147.3        | GGGG                  |                     |                      | 158                     | 36                     |
| 2687-04321        | 00000/0000            | 2-20037/0500                | 12/09/76         | 10             | 9572            | 3312N                        | 07735E        | 26.0         | 146.7        | GGGG                  |                     |                      | 158                     | 37                     |
| 2687-04323        | 00000/0000            | 2-20037/0501                | 12/09/76         | 10             | 9572            | 3146N                        | 07710E        | 27.1         | 146.0        | GGGG                  |                     |                      | 158                     | 38                     |
| 2687-04330        | 00000/0000            | 2-20037/0502                | 12/09/76         | 0              | 9572            | 3020N                        | 07646E        | 28.1         | 145.3        | GGGG                  |                     |                      | 158                     | 39                     |
| 2687-04332        | 00000/0000            | 2-20037/0503                | 12/09/76         | 0              | 9572            | 2854N                        | 07622E        | 29.1         | 144.6        | FGGG                  |                     |                      | 158                     | 40                     |
| 2687-04335        | 00000/0000            | 2-20037/0504                | 12/09/76         | 0              | 9572            | 2728N                        | 07559E        | 30.1         | 143.9        | GGGG                  |                     |                      | 158                     | 41                     |
| 2687-04341        | 00000/0000            | 2-20037/0505                | 12/09/76         | 0              | 9572            | 2602N                        | 07535E        | 31.1         | 143.1        | FGGG                  |                     |                      | 158                     | 42                     |
| 2687-04344        | 00000/0000            | 2-20037/0506                | 12/09/76         | 10             | 9572            | 2435N                        | 07512E        | 32.1         | 142.3        | GGGG                  |                     |                      | 158                     | 43                     |
| 2687-04350        | 00000/0000            | 2-20037/0507                | 12/09/76         | 10             | 9572            | 2309N                        | 07449E        | 33.1         | 141.5        | GGG                   |                     |                      | 158                     | 44                     |
| 2687-04353        | 00000/0000            | 2-20037/0508                | 12/09/76         | 30             | 9572            | 2143N                        | 07426E        | 34.1         | 140.7        | GGGG                  |                     |                      | 158                     | 45                     |
| 2687-04355        | 00000/0000            | 2-20037/0509                | 12/09/76         | 40             | 9572            | 2016N                        | 07404E        | 35.0         | 139.8        | GGGG                  |                     |                      | 158                     | 46                     |
| 2687-04362        | 00000/0000            | 2-20037/0510                | 12/09/76         | 30             | 9572            | 1849N                        | 07343E        | 36.0         | 138.9        | GGGG                  |                     |                      | 158                     | 47                     |
| 2687-04364        | 00000/0000            | 2-20037/0511                | 12/09/76         | 50             | 9572            | 1723N                        | 07322E        | 36.9         | 138.0        | GGG                   |                     |                      | 158                     | 48                     |
| 2687-06091        | 00000/0000            | 2-20037/0512                | 12/09/76         | 0              | 9573            | 5429N                        | 06009E        | 9.6          | 156.2        | GGGG                  |                     |                      | 176                     | 22                     |
| 2687-06094        | 00000/0000            | 2-20037/0513                | 12/09/76         | 0              | 9573            | 5304N                        | 05924E        | 10.7         | 155.5        | GGGG                  |                     |                      | 176                     | 23                     |
| 2687-06100        | 00000/0000            | 2-20037/0514                | 12/09/76         | 10             | 9573            | 5140N                        | 05842E        | 11.9         | 154.9        | PGFG                  |                     |                      | 176                     | 24                     |
| 2687-06103        | 00000/0000            | 2-20037/0515                | 12/09/76         | 40             | 9573            | 5015N                        | 05802E        | 13.0         | 154.2        | PGGG                  |                     |                      | 176                     | 25                     |
| 2687-06105        | 00000/0000            | 2-20037/0516                | 12/09/76         | 10             | 9573            | 4851N                        | 05723E        | 14.1         | 153.6        | PGGG                  |                     |                      | 176                     | 26                     |
| 2687-06112        | 00000/0000            | 2-20037/0517                | 12/09/76         | 10             | 9573            | 4726N                        | 05646E        | 15.2         | 153.0        | FGGG                  |                     |                      | 176                     | 27                     |
| 2687-06114        | 00000/0000            | 2-20037/0518                | 12/09/76         | 90             | 9573            | 4601N                        | 05610E        | 16.3         | 152.3        | GGGG                  |                     |                      | 176                     | 28                     |
| 2687-06121        | 00000/0000            | 2-20037/0519                | 12/09/76         | 80             | 9573            | 4436N                        | 05537E        | 17.4         | 151.7        | GGFG                  |                     |                      | 176                     | 29                     |
| 2687-06123        | 00000/0000            | 2-20037/0520                | 12/09/76         | 30             | 9573            | 4311N                        | 05504E        | 18.5         | 151.1        | GGGG                  |                     |                      | 176                     | 30                     |
| 2687-06130        | 00000/0000            | 2-20037/0521                | 12/09/76         | 40             | 9573            | 4146N                        | 05433E        | 19.6         | 150.5        | GGGG                  |                     |                      | 176                     | 31                     |
| 2687-06150        | 00000/0000            | 2-20037/0556                | 12/09/76         | 10             | 9573            | 3438N                        | 05212E        | 25.0         | 147.3        | GGGG                  |                     |                      | 176                     | 36                     |
| 2687-06153        | 00000/0000            | 2-20037/0555                | 12/09/76         | 10             | 9573            | 3311N                        | 05146E        | 26.0         | 146.7        | GGG                   |                     |                      | 176                     | 37                     |
| 2687-06155        | 00000/0000            | 2-20037/0557                | 12/09/76         | 50             | 9573            | 3145N                        | 05121E        | 27.1         | 146.0        | GGGG                  |                     |                      | 176                     | 38                     |
| 2687-06162        | 00000/0000            | 2-20037/0558                | 12/09/76         | 10             | 9573            | 3019N                        | 05056E        | 28.1         | 145.3        | GGGG                  |                     |                      | 176                     | 39                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 29, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2687-06164        | 00000/0000                   | 2-20037/0559                | 12/09/76         | 50             | 9573            | 2843N 05032E                            | 29.1         | 144.6        | GGGG                               |                     |                      | 176                     | 40                     |
| 2687-07525        | 00000/0000                   | 2-20037/0560                | 12/09/76         | 100            | 9574            | 5303N 03334E                            | 10.7         | 155.5        | GGGG                               |                     |                      | 194                     | 23                     |
| 2687-07532        | 00000/0000                   | 2-20037/0561                | 12/09/76         | 100            | 9574            | 5179N 03252E                            | 11.9         | 154.9        | GGGG                               |                     |                      | 194                     | 24                     |
| 2687-07534        | 00000/0000                   | 2-20037/0562                | 12/09/76         | 90             | 9574            | 5015N 03211E                            | 13.0         | 154.2        | GGGG                               |                     |                      | 194                     | 25                     |
| 2687-07541        | 00000/0000                   | 2-20037/0563                | 12/09/76         | 60             | 9574            | 4851N 03133E                            | 14.1         | 153.6        | GGGG                               |                     |                      | 194                     | 26                     |
| 2687-07543        | 00000/0000                   | 2-20037/0564                | 12/09/76         | 60             | 9574            | 4726N 03056E                            | 15.2         | 153.0        | GGGG                               |                     |                      | 194                     | 27                     |
| 2687-07550        | 00000/0000                   | 2-20037/0565                | 12/09/76         | 60             | 9574            | 4601N 03021E                            | 16.3         | 152.3        | GGGG                               |                     |                      | 194                     | 28                     |
| 2687-16300        | 00000/0000                   | 2-20037/05623               | 12/09/76         | 90             | 9579            | 5015N 09455W                            | 12.9         | 154.2        | FGGG                               |                     |                      | 33                      | 25                     |
| 2687-18132        | 00000/0000                   | 2-20037/05624               | 12/09/76         | 50             | 9580            | 5015N 12243W                            | 12.9         | 154.2        | GGGG                               |                     |                      | 51                      | 25                     |
| 2687-23471        | 00000/0000                   | 2-20037/0566                | 12/09/76         | 40             | 9583            | 3308S 13700E                            | 49.9         | 86.9         | GGGG                               |                     |                      | 105                     | 83                     |
| 2687-23474        | 00000/0000                   | 2-20037/0567                | 12/09/76         | 10             | 9583            | 3434S 13633E                            | 49.5         | 85.4         | GGGG                               |                     |                      | 105                     | 84                     |
| 2688-02532        | 00000/0000                   | 2-20037/0579                | 12/10/76         | 20             | 9585            | 3728N 10317E                            | 22.7         | 148.6        | GGG                                |                     |                      | 141                     | 34                     |
| 2688-02535        | 00000/0000                   | 2-20037/0580                | 12/10/76         | 40             | 9585            | 3603N 10250E                            | 23.8         | 147.9        | GGG                                |                     |                      | 141                     | 35                     |
| 2688-02564        | 00000/0000                   | 2-20037/0581                | 12/10/76         | 20             | 9585            | 2601N 09956E                            | 31.0         | 143.1        | GGGG                               |                     |                      | 141                     | 42                     |
| 2688-04320        | 00000/0000                   | 2-20037/0521                | 12/10/76         | 60             | 9586            | 5304N 08348E                            | 10.6         | 155.4        | F GG                               |                     |                      | 159                     | 23                     |
| 2688-04323        | 00000/0000                   | 2-20037/0522                | 12/10/76         | 30             | 9586            | 5139N 08305E                            | 11.8         | 154.8        | FFGF                               |                     |                      | 159                     | 24                     |
| 2688-04325        | 00000/0000                   | 2-20037/0523                | 12/10/76         | 10             | 9586            | 5014N 08224E                            | 12.9         | 154.1        | FFFF                               |                     |                      | 159                     | 25                     |
| 2688-04332        | 00000/0000                   | 2-20037/0524                | 12/10/76         | 20             | 9586            | 4850N 08145E                            | 14.0         | 153.5        | FGGG                               |                     |                      | 159                     | 26                     |
| 2688-04334        | 00000/0000                   | 2-20037/0525                | 12/10/76         | 10             | 9586            | 4725N 08109E                            | 15.1         | 152.9        | GGGG                               |                     |                      | 159                     | 27                     |
| 2688-04341        | 00000/0000                   | 2-20037/0526                | 12/10/76         | 10             | 9586            | 4600N 08033E                            | 16.2         | 152.3        | GGGG                               |                     |                      | 159                     | 28                     |
| 2688-04343        | 00000/0000                   | 2-20037/0527                | 12/10/76         | 10             | 9586            | 4435N 08000E                            | 17.3         | 151.7        | GGGG                               |                     |                      | 159                     | 29                     |
| 2688-04350        | 00000/0000                   | 2-20037/0528                | 12/10/76         | 10             | 9586            | 4310N 07927E                            | 18.4         | 151.0        | FGGG                               |                     |                      | 159                     | 30                     |
| 2688-04352        | 00000/0000                   | 2-20037/0529                | 12/10/76         | 10             | 9586            | 4144N 07856E                            | 19.5         | 150.4        | FGGG                               |                     |                      | 159                     | 31                     |
| 2688-04355        | 00000/0000                   | 2-20037/0530                | 12/10/76         | 10             | 9586            | 4019N 07826E                            | 20.6         | 149.8        | FFGG                               |                     |                      | 159                     | 32                     |
| 2688-04361        | 00000/0000                   | 2-20037/0531                | 12/10/76         | 0              | 9586            | 3853N 07757E                            | 21.6         | 149.2        | PGGG                               |                     |                      | 159                     | 33                     |
| 2688-04364        | 00000/0000                   | 2-20037/0532                | 12/10/76         | 0              | 9586            | 3728N 07729E                            | 22.7         | 148.6        | FGGG                               |                     |                      | 159                     | 34                     |
| 2688-04370        | 00000/0000                   | 2-20037/0533                | 12/10/76         | 10             | 9586            | 3602N 07702E                            | 23.8         | 147.9        | GGGG                               |                     |                      | 159                     | 35                     |
| 2688-04373        | 00000/0000                   | 2-20037/0534                | 12/10/76         | 10             | 9586            | 3436N 07635E                            | 24.8         | 147.3        | GGGG                               |                     |                      | 159                     | 36                     |
| 2688-04375        | 00000/0000                   | 2-20037/0535                | 12/10/76         | 20             | 9586            | 3310N 07610E                            | 25.9         | 146.6        | GGGG                               |                     |                      | 159                     | 37                     |
| 2688-04382        | 00000/0000                   | 2-20037/0536                | 12/10/76         | 10             | 9586            | 3145N 07544E                            | 26.9         | 145.9        | GGGG                               |                     |                      | 159                     | 38                     |
| 2688-04384        | 00000/0000                   | 2-20037/0537                | 12/10/76         | 10             | 9586            | 3019N 07520E                            | 28.0         | 145.2        | PGGG                               |                     |                      | 159                     | 39                     |
| 2688-04391        | 00000/0000                   | 2-20037/0538                | 12/10/76         | 10             | 9586            | 2853N 07455E                            | 29.0         | 144.5        | PGGG                               |                     |                      | 159                     | 40                     |
| 2688-04393        | 00000/0000                   | 2-20037/0539                | 12/10/76         | 10             | 9586            | 2727N 07432E                            | 30.0         | 143.8        | FGGG                               |                     |                      | 159                     | 41                     |
| 2688-04400        | 00000/0000                   | 2-20037/0540                | 12/10/76         | 0              | 9586            | 2600N 07408E                            | 31.0         | 143.0        | FGGG                               |                     |                      | 159                     | 42                     |
| 2688-04402        | 00000/0000                   | 2-20037/0541                | 12/10/76         | 10             | 9586            | 2434N 07345E                            | 32.0         | 142.3        | FGGG                               |                     |                      | 159                     | 43                     |
| 2688-04405        | 00000/0000                   | 2-20037/0542                | 12/10/76         | 10             | 9586            | 2307N 07323E                            | 33.0         | 141.5        | FGGF                               |                     |                      | 159                     | 44                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RRV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SUNBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------|------------------------------|-------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|--------------------------|------------------------|
| 2688-04411        | 00000/0000                   | 2-20037/0543                | 12/10/76         | 10             | 9586             | 2141N                        | 07300E                        | 34.0         | 140.6        | PGGG                               |                     |                      | 159                      | 45                     |
| 2688-04414        | 00000/0000                   | 2-20037/0544                | 12/10/76         | 10             | 9586             | 2014N                        | 07238E                        | 34.9         | 139.8        | FGGG                               |                     |                      | 159                      | 46                     |
| 2688-04420        | 00000/0000                   | 2-20037/0545                | 12/10/76         | 0              | 9586             | 1848N                        | 07217E                        | 35.8         | 138.9        | FGGF                               |                     |                      | 159                      | 47                     |
| 2688-06152        | 00000/0000                   | 2-20037/0546                | 12/10/76         | 30             | 9587             | 5303N                        | 05757E                        | 10.6         | 155.4        | FGFG                               |                     |                      | 177                      | 23                     |
| 2688-06154        | 00000/0000                   | 2-20037/0547                | 12/10/76         | 50             | 9587             | 5139N                        | 05715E                        | 11.8         | 154.8        | FGGG                               |                     |                      | 177                      | 24                     |
| 2688-06161        | 00000/0000                   | 2-20037/0548                | 12/10/76         | 20             | 9587             | 5014N                        | 05634E                        | 12.9         | 154.1        | FFGG                               |                     |                      | 177                      | 25                     |
| 2688-06163        | 00000/0000                   | 2-20037/0549                | 12/10/76         | 50             | 9587             | 4849N                        | 05556E                        | 14.0         | 153.5        | FGGF                               |                     |                      | 177                      | 26                     |
| 2688-06170        | 00000/0000                   | 2-20037/0550                | 12/10/76         | 40             | 9587             | 4725N                        | 05519E                        | 15.1         | 152.9        | GGFG                               |                     |                      | 177                      | 27                     |
| 2688-06172        | 00000/0000                   | 2-20037/0551                | 12/10/76         | 90             | 9587             | 4600N                        | 05444E                        | 16.2         | 152.3        | GGGG                               |                     |                      | 177                      | 28                     |
| 2688-06175        | 00000/0000                   | 2-20037/0552                | 12/10/76         | 90             | 9587             | 4435N                        | 05410E                        | 17.3         | 151.6        | GGGG                               |                     |                      | 177                      | 29                     |
| 2688-06181        | 00000/0000                   | 2-20037/0553                | 12/10/76         | 90             | 9587             | 4309N                        | 05338E                        | 18.4         | 151.0        | GGGG                               |                     |                      | 177                      | 30                     |
| 2688-06184        | 00000/0000                   | 2-20037/0554                | 12/10/76         | 70             | 9587             | 4144N                        | 05307E                        | 19.5         | 150.4        | FGGG                               |                     |                      | 177                      | 31                     |
| 2688-07581        | 00000/0000                   | 2-20037/0571                | 12/10/76         | 90             | 9588             | 5426N                        | 03251E                        | 9.5          | 156.1        | GGGG                               |                     |                      | 195                      | 22                     |
| 2688-07583        | 00000/0000                   | 2-20037/0572                | 12/10/76         | 80             | 9588             | 5302N                        | 03206E                        | 10.6         | 155.4        | GGGG                               |                     |                      | 195                      | 23                     |
| 2688-07590        | 00000/0000                   | 2-20037/0573                | 12/10/76         | 60             | 9588             | 5178N                        | 03123E                        | 11.8         | 154.8        | GGGG                               |                     |                      | 195                      | 24                     |
| 2688-07592        | 00000/0000                   | 2-20037/0574                | 12/10/76         | 70             | 9588             | 5013N                        | 03043E                        | 12.9         | 154.1        | GGGG                               |                     |                      | 195                      | 25                     |
| 2688-07595        | 00000/0000                   | 2-20037/0261                | 12/10/76         | 90             | 9588             | 4849N                        | 03005E                        | 14.0         | 153.5        | GGGG                               |                     |                      | 195                      | 26                     |
| 2688-08001        | 00000/0000                   | 2-20037/0262                | 12/10/76         | 40             | 9588             | 4724N                        | 02929E                        | 15.1         | 152.9        | GGGG                               |                     |                      | 195                      | 27                     |
| 2688-08004        | 00000/0000                   | 2-20037/0263                | 12/10/76         | 40             | 9588             | 4600N                        | 02855E                        | 16.2         | 152.3        | GGGG                               |                     |                      | 195                      | 28                     |
| 2688-13100        | 00000/0000                   | 2-20037/0617                | 12/10/76         | 70             | 9591             | 4726N                        | 04755W                        | 15.0         | 152.9        | GGGG                               |                     |                      | 249                      | 27                     |
| 2688-13103        | 00000/0000                   | 2-20037/0618                | 12/10/76         | 70             | 9591             | 4601N                        | 04830W                        | 16.1         | 152.2        | GGFG                               |                     |                      | 249                      | 28                     |
| 2688-13105        | 00000/0000                   | 2-20037/0619                | 12/10/76         | 80             | 9591             | 4435N                        | 04904W                        | 17.2         | 151.6        | GGGG                               |                     |                      | 249                      | 29                     |
| 2688-13112        | 00000/0000                   | 2-20037/0620                | 12/10/76         | 60             | 9591             | 4310N                        | 04937W                        | 18.3         | 151.0        | GGGG                               |                     |                      | 249                      | 30                     |
| 2688-13114        | 00000/0000                   | 2-20037/0621                | 12/10/76         | 50             | 9591             | 4145N                        | 05008W                        | 19.4         | 150.4        | GGGG                               |                     |                      | 249                      | 31                     |
| 2688-14525        | 00000/0000                   | 2-20037/0622                | 12/10/76         | 90             | 9592             | 4850N                        | 07309W                        | 13.9         | 153.5        | GGFG                               |                     |                      | 16                       | 26                     |
| 2688-16352        | 00000/0000                   | 2-20037/0633                | 12/10/76         | 0              | 9593             | 5139N                        | 09740W                        | 11.7         | 154.7        | FGGG                               |                     |                      | 34                       | 24                     |
| 2688-16354        | 00000/0000                   | 2-20037/0634                | 12/10/76         | 0              | 9593             | 5014N                        | 09820W                        | 12.8         | 154.1        | GGGF                               |                     |                      | 34                       | 25                     |
| 2688-23530        | 00000/0000                   | 2-20037/0264                | 12/10/76         | 10             | 9597             | 3346S                        | 13533E                        | 49.8         | 87.1         | GGGG                               |                     |                      | 106                      | 83                     |
| 2688-23532        | 00000/0000                   | 2-20037/0265                | 12/10/76         | 40             | 9597             | 3432S                        | 13507E                        | 49.8         | 85.7         | FGGG                               |                     |                      | 106                      | 84                     |
| 2688-23584        | 00000/0000                   | 2-20037/0266                | 12/11/76         | 10             | 9599             | 3852N                        | 10221E                        | 21.5         | 149.1        | FGFG                               |                     |                      | 142                      | 33                     |
| 2688-23590        | 00000/0000                   | 2-20037/0267                | 12/11/76         | 10             | 9599             | 3727N                        | 10153E                        | 22.6         | 148.5        | GGGG                               |                     |                      | 142                      | 34                     |
| 2688-04374        | 00000/0000                   | 2-20037/0646                | 12/11/76         | 20             | 9600             | 5303N                        | 08223E                        | 10.5         | 155.3        | FGFF                               |                     |                      | 160                      | 23                     |
| 2688-04390        | 00000/0000                   | 2-20037/0647                | 12/11/76         | 0              | 9600             | 4849N                        | 08022E                        | 13.9         | 153.4        | GGGG                               |                     |                      | 160                      | 26                     |
| 2688-04392        | 00000/0000                   | 2-20037/0648                | 12/11/76         | 10             | 9600             | 4724N                        | 07945E                        | 15.0         | 152.8        | PPPP                               |                     |                      | 160                      | 27                     |
| 2688-04401        | 00000/0000                   | 2-20037/0649                | 12/11/76         | 10             | 9600             | 4434N                        | 07834E                        | 17.2         | 151.6        | PPP                                |                     |                      | 160                      | 29                     |
| 2688-04404        | 00000/0000                   | 2-20037/0671                | 12/11/76         | 10             | 9600             | 4309N                        | 07802E                        | 18.3         | 151.0        | P                                  |                     |                      | 160                      | 30                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-------------------|----------------------------|----------------------|-------------------------|------------------------|
| 2689-04413        | 00000/0000 2-20037/0650                        | 12/11/76         | 10             | 9600            | 4018N                        | 07701E        | 20.5         | 149.7        | PPPP              |                            |                      | 160                     | 32                     |
| 2689-04415        | 00000/0000 2-20037/0651                        | 12/11/76         | 10             | 9600            | 3842N                        | 07632E        | 21.5         | 149.1        | FGGG              |                            |                      | 160                     | 33                     |
| 2689-04422        | 00000/0000 2-20037/0652                        | 12/11/76         | 20             | 9600            | 3727N                        | 07604E        | 22.6         | 148.5        | FGGG              |                            |                      | 160                     | 34                     |
| 2689-04424        | 00000/0000 2-20037/0653                        | 12/11/76         | 30             | 9600            | 3601N                        | 07536E        | 23.7         | 147.9        | GGGG              |                            |                      | 160                     | 35                     |
| 2689-04431        | 00000/0000 2-20037/0654                        | 12/11/76         | 0              | 9600            | 3435N                        | 07510E        | 24.7         | 147.2        | GGGG              |                            |                      | 160                     | 36                     |
| 2689-04433        | 00000/0000 2-20037/0655                        | 12/11/76         | 0              | 9600            | 3310N                        | 07443E        | 25.8         | 146.5        | GGGG              |                            |                      | 160                     | 37                     |
| 2689-04440        | 00000/0000 2-20037/0645                        | 12/11/76         | 0              | 9600            | 3144N                        | 07418E        | 26.8         | 145.9        | F GG              |                            |                      | 160                     | 38                     |
| 2689-04442        | 00000/0000 2-20037/0645                        | 12/11/76         | 0              | 9600            | 3017N                        | 07353E        | 27.9         | 145.2        | GGGG              |                            |                      | 160                     | 39                     |
| 2689-04445        | 00000/0000 2-20037/0657                        | 12/11/76         | 0              | 9600            | 2851N                        | 07329E        | 28.9         | 144.5        | GGGG              |                            |                      | 160                     | 40                     |
| 2689-04451        | 00000/0000 2-20037/0658                        | 12/11/76         | 0              | 9600            | 2725N                        | 07305E        | 29.9         | 143.7        | GGGG              |                            |                      | 160                     | 41                     |
| 2689-04454        | 00000/0000 2-20037/0659                        | 12/11/76         | 0              | 9600            | 2548N                        | 07242E        | 30.9         | 143.0        | GGGG              |                            |                      | 160                     | 42                     |
| 2689-04460        | 00000/0000 2-20037/0660                        | 12/11/76         | 0              | 9600            | 2421N                        | 07219E        | 31.9         | 142.2        | GGGG              |                            |                      | 160                     | 43                     |
| 2689-04463        | 00000/0000 2-20037/0661                        | 12/11/76         | 0              | 9600            | 2305N                        | 07157E        | 32.9         | 141.4        | GGGG              |                            |                      | 160                     | 44                     |
| 2689-04465        | 00000/0000 2-20037/0662                        | 12/11/76         | 10             | 9600            | 2139N                        | 07135E        | 33.8         | 140.6        | GGGG              |                            |                      | 160                     | 45                     |
| 2689-04472        | 00000/0000 2-20037/0663                        | 12/11/76         | 20             | 9600            | 2012N                        | 07113E        | 34.8         | 139.7        | GGGG              |                            |                      | 160                     | 46                     |
| 2689-04474        | 00000/0000 2-20037/0664                        | 12/11/76         | 10             | 9600            | 1845N                        | 07051E        | 35.7         | 138.9        | GGGG              |                            |                      | 160                     | 47                     |
| 2689-06215        | 00000/0000 2-20037/0665                        | 12/11/76         | 10             | 9601            | 5012N                        | 05507E        | 12.8         | 154.0        | GGGG              |                            |                      | 178                     | 25                     |
| 2689-06221        | 00000/0000 2-20037/0666                        | 12/11/76         | 50             | 9601            | 4848N                        | 05428E        | 13.9         | 153.4        | FGGG              |                            |                      | 178                     | 26                     |
| 2689-06224        | 00000/0000 2-20037/0667                        | 12/11/76         | 60             | 9601            | 4724N                        | 05352E        | 15.0         | 152.8        | GGGG              |                            |                      | 178                     | 27                     |
| 2689-06230        | 00000/0000 2-20037/0668                        | 12/11/76         | 60             | 9601            | 4559N                        | 05316E        | 16.1         | 152.2        | GFGG              |                            |                      | 178                     | 28                     |
| 2689-06233        | 00000/0000 2-20037/0669                        | 12/11/76         | 100            | 9601            | 4434N                        | 05242E        | 17.2         | 151.6        | GGGG              |                            |                      | 178                     | 29                     |
| 2689-06235        | 00000/0000 2-20037/0670                        | 12/11/76         | 100            | 9601            | 4308N                        | 05210E        | 18.3         | 151.0        | GGGG              |                            |                      | 178                     | 30                     |
| 2689-06244        | 00000/0000 2-20037/0668                        | 12/11/76         | 80             | 9601            | 4018N                        | 05109E        | 20.5         | 149.7        | GGGG              |                            |                      | 178                     | 32                     |
| 2689-08041        | 00000/0000 2-20037/0669                        | 12/11/76         | 50             | 9602            | 5305N                        | 03044E        | 10.5         | 155.4        | F GFG             |                            |                      | 196                     | 23                     |
| 2689-08062        | 00000/0000 2-20037/0670                        | 12/11/76         | 100            | 9602            | 4602N                        | 02730E        | 16.0         | 152.2        | GGGG              |                            |                      | 196                     | 28                     |
| 2689-13143        | 00000/0500 2-20037/0625                        | 12/11/76         | 90             | 9605            | 5178N                        | 04726W        | 11.6         | 154.7        | GGGG              |                            |                      | 250                     | 24                     |
| 2689-13145        | 00000/0500 2-20037/0626                        | 12/11/76         | 60             | 9605            | 5013N                        | 04806W        | 12.7         | 154.0        | GGGG              |                            |                      | 250                     | 25                     |
| 2689-13152        | 00000/0500 2-20037/0627                        | 12/11/76         | 80             | 9605            | 4849N                        | 04845W        | 13.8         | 153.4        | GGGG              |                            |                      | 250                     | 26                     |
| 2689-13154        | 00000/0500 2-20037/0628                        | 12/11/76         | 80             | 9605            | 4724N                        | 04921W        | 14.9         | 152.8        | GGGG              |                            |                      | 250                     | 27                     |
| 2689-13161        | 00000/0500 2-20037/0629                        | 12/11/76         | 90             | 9605            | 4559N                        | 04956W        | 16.0         | 152.1        | GGGG              |                            |                      | 250                     | 28                     |
| 2689-13163        | 00000/0500 2-20037/0630                        | 12/11/76         | 90             | 9605            | 4434N                        | 05030W        | 17.1         | 151.5        | GGGG              |                            |                      | 250                     | 29                     |
| 2689-13170        | 00000/0500 2-20037/0631                        | 12/11/76         | 70             | 9605            | 4309N                        | 05103W        | 18.2         | 150.9        | GGGG              |                            |                      | 250                     | 30                     |
| 2689-13172        | 00000/0500 2-20037/0632                        | 12/11/76         | 60             | 9605            | 4144N                        | 05134W        | 19.3         | 150.3        | GGGG              |                            |                      | 250                     | 31                     |
| 2689-15360        | 2-20037/1369 00000/0000                        | 12/11/76         | 100            | 9606            | 7744S                        | 14024W        | 23.6         | 90.2         | GG                |                            |                      | 17                      | 116                    |
| 2689-15363        | 2-20037/1370 00000/0000                        | 12/11/76         | 100            | 9606            | 7841S                        | 14552W        | 22.5         | 95.0         | GFF               |                            |                      | 17                      | 117                    |
| 2689-15365        | 2-20037/1371 00000/0000                        | 12/11/76         | 90             | 9606            | 7931S                        | 15210W        | 21.5         | 100.7        | GGG               |                            |                      | 17                      | 118                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|-----------------|-----------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2689-15372        | 2-20037/1372                                   | 00000/0000       | 12/11/76              | 90              | 9606                                    | 8012S        | 15925W       | 20.4              | 107.5               | GGG                  | 17                      | 119                    |
| 2689-15374        | 2-20037/1373                                   | 00000/0000       | 12/11/76              | 100             | 9606                                    | 8043S        | 16736W       | 19.3              | 115.1               | GGG                  | 11                      | 121                    |
| 2689-16412        | 00000/0000                                     | 2-20037/0470     | 12/11/76              | 20              | 9607                                    | 5013N        | 09947W       | 12.7              | 154.0               | GGGG                 | 35                      | 25                     |
| 2689-23581        | 00000/0000                                     | 2-20037/0271     | 12/11/76              | 30              | 9611                                    | 3142S        | 13432E       | 50.1              | 88.8                | FFFF                 | 107                     | 82                     |
| 2689-23584        | 00000/0000                                     | 2-20037/0272     | 12/11/76              | 40              | 9611                                    | 3308S        | 13407E       | 49.7              | 87.3                | FGGG                 | 107                     | 83                     |
| 2690-03042        | 00000/0000                                     | 2-20037/0475     | 12/12/76              | 0               | 9613                                    | 3854N        | 10055E       | 21.4              | 149.1               | GGGG                 | 143                     | 33                     |
| 2690-04432        | 00000/0000                                     | 2-20037/0672     | 12/12/76              | 10              | 9614                                    | 5304N        | 08054E       | 10.4              | 155.3               | PPFF                 | 161                     | 23                     |
| 2690-04435        | 00000/0000                                     | 2-20037/0673     | 12/12/76              | 10              | 9614                                    | 5139N        | 08011E       | 11.5              | 154.6               | PPGG                 | 161                     | 24                     |
| 2690-04441        | 00000/0000                                     | 2-20037/0674     | 12/12/76              | 10              | 9614                                    | 5015N        | 07931E       | 12.6              | 154.0               | PPGG                 | 161                     | 25                     |
| 2690-04444        | 00000/0000                                     | 2-20037/0675     | 12/12/76              | 10              | 9614                                    | 4850N        | 07852E       | 13.7              | 153.3               | FGGG                 | 161                     | 26                     |
| 2690-04450        | 00000/0000                                     | 2-20037/0676     | 12/12/76              | 0               | 9614                                    | 4726N        | 07815E       | 14.8              | 152.7               | FGGG                 | 161                     | 27                     |
| 2690-04453        | 00000/0000                                     | 2-20037/0677     | 12/12/76              | 0               | 9614                                    | 4601N        | 07740E       | 15.9              | 152.1               | FGGG                 | 161                     | 28                     |
| 2690-04455        | 00000/0000                                     | 2-20037/0678     | 12/12/76              | 0               | 9614                                    | 4436N        | 07706E       | 17.0              | 151.5               | FGGG                 | 161                     | 29                     |
| 2690-04462        | 00000/0000                                     | 2-20037/0679     | 12/12/76              | 10              | 9614                                    | 4311N        | 07634E       | 18.1              | 150.9               | FGGP                 | 161                     | 30                     |
| 2690-04464        | 00000/0000                                     | 2-20037/0680     | 12/12/76              | 80              | 9614                                    | 4145N        | 07603E       | 19.2              | 150.3               | FGGG                 | 161                     | 31                     |
| 2690-04471        | 00000/0000                                     | 2-20037/0681     | 12/12/76              | 50              | 9614                                    | 4020N        | 07533E       | 20.3              | 149.7               | GGGG                 | 161                     | 32                     |
| 2690-04473        | 00000/0000                                     | 2-20037/0682     | 12/12/76              | 50              | 9614                                    | 3854N        | 07504E       | 21.4              | 149.1               | FGGG                 | 161                     | 33                     |
| 2690-04480        | 00000/0000                                     | 2-20037/0683     | 12/12/76              | 50              | 9614                                    | 3728N        | 07437E       | 22.5              | 148.4               | GGGG                 | 161                     | 34                     |
| 2690-04482        | 00000/0000                                     | 2-20037/0684     | 12/12/76              | 70              | 9614                                    | 3602N        | 07410E       | 23.5              | 147.8               | GGGG                 | 161                     | 35                     |
| 2690-04485        | 00000/0000                                     | 2-20037/0685     | 12/12/76              | 30              | 9614                                    | 3437N        | 07343E       | 24.6              | 147.2               | GGGG                 | 161                     | 36                     |
| 2690-04505        | 00000/0000                                     | 2-20037/0686     | 12/12/76              | 0               | 9614                                    | 2727N        | 07138E       | 29.7              | 143.7               | PPGF                 | 161                     | 41                     |
| 2690-04512        | 00000/0000                                     | 2-20037/0687     | 12/12/76              | 0               | 9614                                    | 2601N        | 07115E       | 30.7              | 142.9               | FGGG                 | 161                     | 42                     |
| 2690-04514        | 00000/0000                                     | 2-20037/0688     | 12/12/76              | 0               | 9614                                    | 2435N        | 07052E       | 31.7              | 142.2               | FGGG                 | 161                     | 43                     |
| 2690-04521        | 00000/0000                                     | 2-20037/0689     | 12/12/76              | 0               | 9614                                    | 2308N        | 07030E       | 32.7              | 141.4               | FGFG                 | 161                     | 44                     |
| 2690-04523        | 00000/0000                                     | 2-20037/0690     | 12/12/76              | 0               | 9614                                    | 2142N        | 07007E       | 33.7              | 140.6               | GGGG                 | 161                     | 45                     |
| 2690-04530        | 00000/0000                                     | 2-20037/0691     | 12/12/76              | 20              | 9614                                    | 2015N        | 06945E       | 34.6              | 139.7               | GGPG                 | 161                     | 46                     |
| 2690-06271        | 00000/0000                                     | 2-20037/0692     | 12/12/76              | 80              | 9615                                    | 5140N        | 05424E       | 11.5              | 154.6               | PPFG                 | 179                     | 24                     |
| 2690-06273        | 00000/0000                                     | 2-20037/0693     | 12/12/76              | 50              | 9615                                    | 5016N        | 05344E       | 12.6              | 154.0               | FGGF                 | 179                     | 25                     |
| 2690-06280        | 00000/0000                                     | 2-20037/0694     | 12/12/76              | 70              | 9615                                    | 4851N        | 05305E       | 13.7              | 153.3               | FGGG                 | 179                     | 26                     |
| 2690-06282        | 00000/0000                                     | 2-20037/0695     | 12/12/76              | 60              | 9615                                    | 4726N        | 05227E       | 14.8              | 152.7               | GGGG                 | 179                     | 27                     |
| 2690-06285        | 00000/0000                                     | 2-20037/0696     | 12/12/76              | 90              | 9615                                    | 4601N        | 05152E       | 15.9              | 152.1               | GGGG                 | 179                     | 28                     |
| 2690-06291        | 00000/0000                                     | 2-20037/0697     | 12/12/76              | 70              | 9615                                    | 4436N        | 05118E       | 17.0              | 151.5               | GGGG                 | 179                     | 29                     |
| 2690-06294        | 00000/0000                                     | 2-20037/0698     | 12/12/76              | 90              | 9615                                    | 4310N        | 05046E       | 18.1              | 150.9               | GGGG                 | 179                     | 30                     |
| 2690-06303        | 00000/0000                                     | 2-20037/0476     | 12/12/76              | 20              | 9615                                    | 4020N        | 04945E       | 20.3              | 149.7               | GGGG                 | 179                     | 32                     |
| 2690-06305        | 00000/0000                                     | 2-20037/0477     | 12/12/76              | 10              | 9615                                    | 3854N        | 04916E       | 21.4              | 149.0               | GGGG                 | 179                     | 33                     |
| 2690-06312        | 00000/0000                                     | 2-20037/0478     | 12/12/76              | 10              | 9615                                    | 3729N        | 04847E       | 22.5              | 148.4               | GGGG                 | 179                     | 34                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------|------------------------------|-------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2690-06314        | 00000/0000                   | 2-20037/0479                | 12/12/76         | 0              | 9615             | 3603N                        | 04820E                        | 23.5         | 147.8        | GGGF                               |                     |                      | 179                     | 35                     |
| 2690-06321        | 00000/0000                   | 2-20037/0480                | 12/12/76         | 0              | 9615             | 3437N                        | 04753E                        | 24.6         | 147.1        | GGGG                               |                     |                      | 179                     | 36                     |
| 2690-06323        | 00000/0000                   | 2-20037/0481                | 12/12/76         | 0              | 9615             | 3311N                        | 04727E                        | 25.6         | 146.5        | GGGG                               |                     |                      | 179                     | 37                     |
| 2690-06330        | 00000/0000                   | 2-20037/0482                | 12/12/76         | 0              | 9615             | 3145N                        | 04701E                        | 26.7         | 145.8        | FGGG                               |                     |                      | 179                     | 38                     |
| 2690-08102        | 00000/0000                   | 2-20037/0483                | 12/12/76         | 40             | 9616             | 5139N                        | 02836E                        | 11.5         | 154.6        | GGGG                               |                     |                      | 197                     | 24                     |
| 2690-13201        | 00000/0000                   | 2-20037/0704                | 12/12/76         | 80             | 9619             | 5141N                        | 04848W                        | 11.5         | 154.6        | GGGG                               |                     |                      | 251                     | 24                     |
| 2690-13203        | 00000/0000                   | 2-20037/0705                | 12/12/76         | 80             | 9619             | 5016N                        | 04929W                        | 12.6         | 153.9        | GGGG                               |                     |                      | 251                     | 25                     |
| 2690-13210        | 00000/0000                   | 2-20037/0706                | 12/12/76         | 90             | 9619             | 4851N                        | 05008W                        | 13.7         | 153.3        | GGGG                               |                     |                      | 251                     | 26                     |
| 2690-13212        | 00000/0000                   | 2-20037/0707                | 12/12/76         | 80             | 9619             | 4726N                        | 05045W                        | 14.8         | 152.7        | GGGG                               |                     |                      | 251                     | 27                     |
| 2690-13215        | 00000/0000                   | 2-20037/0708                | 12/12/76         | 80             | 9619             | 4601N                        | 05120W                        | 15.9         | 152.1        | GGGG                               |                     |                      | 251                     | 28                     |
| 2690-13221        | 00000/0000                   | 2-20037/0709                | 12/12/76         | 90             | 9619             | 4437N                        | 05154W                        | 17.0         | 151.5        | GGGG                               |                     |                      | 251                     | 29                     |
| 2690-13224        | 00000/0000                   | 2-20037/0710                | 12/12/76         | 70             | 9619             | 4312N                        | 05227W                        | 18.1         | 150.9        | GGGG                               |                     |                      | 251                     | 30                     |
| 2690-13230        | 00000/0000                   | 2-20037/0711                | 12/12/76         | 50             | 9619             | 4146N                        | 05258W                        | 19.2         | 150.3        | GGGG                               |                     |                      | 251                     | 31                     |
| 2690-15421        | 2-20037/1374                 | 00000/0000                  | 12/12/76         | 90             | 9620             | 7837S                        | 14714W                        | 22.6         | 95.0         | GGG                                |                     |                      | 18                      | 117                    |
| 2690-15424        | 2-20037/1375                 | 00000/0000                  | 12/12/76         | 100            | 9620             | 7927S                        | 15335W                        | 21.5         | 100.7        | GGG                                |                     |                      | 18                      | 118                    |
| 2690-15430        | 2-20037/1376                 | 00000/0000                  | 12/12/76         | 100            | 9620             | 8008S                        | 16049W                        | 20.5         | 107.4        | GGG                                |                     |                      | 18                      | 119                    |
| 2690-16535        | 00000/0000                   | 2-20037/0635                | 12/12/76         | 10             | 9621             | 2727N                        | 10903W                        | 29.7         | 143.7        | FGGG                               |                     |                      | 36                      | 41                     |
| 2690-16541        | 00000/0000                   | 2-20037/0636                | 12/12/76         | 20             | 9621             | 2600N                        | 10926W                        | 30.7         | 142.9        | GGGG                               |                     |                      | 36                      | 42                     |
| 2690-16544        | 00000/0000                   | 2-20037/0638                | 12/12/76         | 30             | 9621             | 2434N                        | 10949W                        | 31.7         | 142.1        | GG                                 |                     | H                    | 36                      | 43                     |
| 2690-16550        | 00000/0000                   | 2-20037/0637                | 12/12/76         | 20             | 9621             | 2308N                        | 11012W                        | 32.6         | 141.4        | GGGG                               |                     | H                    | 36                      | 44                     |
| 2691-03091        | 00000/0000                   | 2-20037/0732                | 12/13/76         | 0              | 9627             | 4144N                        | 10028E                        | 19.1         | 150.2        | FGGG                               |                     |                      | 144                     | 31                     |
| 2691-03094        | 00000/0000                   | 2-20037/0733                | 12/13/76         | 0              | 9627             | 4019N                        | 09958E                        | 20.2         | 149.6        | FPGG                               |                     |                      | 144                     | 32                     |
| 2691-03100        | 00000/0000                   | 2-20037/0734                | 12/13/76         | 0              | 9627             | 3853N                        | 09929E                        | 21.3         | 149.0        | FGGG                               |                     |                      | 144                     | 33                     |
| 2691-03103        | 00000/0000                   | 2-20037/0735                | 12/13/76         | 0              | 9627             | 3728N                        | 09900E                        | 22.4         | 148.4        | GGGG                               |                     |                      | 144                     | 34                     |
| 2691-03105        | 00000/0000                   | 2-20037/0736                | 12/13/76         | 0              | 9627             | 3602N                        | 09833E                        | 23.4         | 147.7        | GGGG                               |                     |                      | 144                     | 35                     |
| 2691-03112        | 00000/0000                   | 2-20037/0737                | 12/13/76         | 0              | 9627             | 3435N                        | 09806E                        | 24.5         | 147.1        | GGGG                               |                     |                      | 144                     | 36                     |
| 2691-03114        | 00000/0000                   | 2-20037/0738                | 12/13/76         | 0              | 9627             | 3309N                        | 09740E                        | 25.5         | 146.4        | FPGG                               |                     |                      | 144                     | 37                     |
| 2691-03121        | 00000/0000                   | 2-20037/0739                | 12/13/76         | 0              | 9627             | 3144N                        | 09715E                        | 26.6         | 145.7        | GGGG                               |                     |                      | 144                     | 38                     |
| 2691-03123        | 00000/0000                   | 2-20037/0740                | 12/13/76         | 0              | 9627             | 3018N                        | 09650E                        | 27.6         | 145.1        | GGGG                               |                     |                      | 144                     | 39                     |
| 2691-03130        | 00000/0000                   | 2-20037/0741                | 12/13/76         | 0              | 9627             | 2851N                        | 09626E                        | 28.6         | 144.4        | GGGG                               |                     |                      | 144                     | 40                     |
| 2691-03132        | 00000/0000                   | 2-20037/0742                | 12/13/76         | 10             | 9627             | 2725N                        | 09602E                        | 29.6         | 143.6        | FPGG                               |                     |                      | 144                     | 41                     |
| 2691-03135        | 00000/0000                   | 2-20037/0743                | 12/13/76         | 40             | 9627             | 2600N                        | 09538E                        | 30.6         | 142.9        | GGGG                               |                     |                      | 144                     | 42                     |
| 2691-03141        | 00000/0000                   | 2-20037/0744                | 12/13/76         | 40             | 9627             | 2434N                        | 09515E                        | 31.6         | 142.1        | FPGG                               |                     |                      | 144                     | 43                     |
| 2691-03144        | 00000/0000                   | 2-20037/0745                | 12/13/76         | 30             | 9627             | 2308N                        | 09453E                        | 32.6         | 141.3        | GGGG                               |                     |                      | 144                     | 44                     |
| 2691-03150        | 00000/0000                   | 2-20037/0746                | 12/13/76         | 10             | 9627             | 2141N                        | 09431E                        | 33.6         | 140.5        | GGGG                               |                     |                      | 144                     | 45                     |
| 2691-03153        | 00000/0000                   | 2-20037/0747                | 12/13/76         | 10             | 9627             | 2013N                        | 09409E                        | 34.5         | 139.7        | GGGG                               |                     |                      | 144                     | 46                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA<br>MODE | MSS<br>MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|----------------------------|-----------------------------|-------------------------|------------------------|
| 2691-04491        | 00000/0000                                     | 2-20037/0748     | 12/13/76       | 100             | 9628                               | 5302N                               | 07930E       | 10.3         | 155.2             | FGFG                       |                             | 162                     | 23                     |
| 2691-04493        | 00000/0000                                     | 2-20037/0749     | 12/13/76       | 100             | 9628                               | 5137N                               | 07847E       | 11.4         | 154.5             | GGGG                       |                             | 162                     | 24                     |
| 2691-04500        | 00000/0000                                     | 2-20037/0750     | 12/13/76       | 100             | 9628                               | 5013N                               | 07807E       | 12.5         | 153.9             | GGGG                       |                             | 162                     | 25                     |
| 2691-04502        | 00000/0000                                     | 2-20037/0751     | 12/13/76       | 100             | 9628                               | 4849N                               | 07729E       | 13.6         | 153.2             | GGFG                       |                             | 162                     | 26                     |
| 2691-04505        | 00000/0000                                     | 2-20037/0752     | 12/13/76       | 100             | 9628                               | 4724N                               | 07652E       | 14.8         | 152.6             | GGGG                       |                             | 162                     | 27                     |
| 2691-04511        | 00000/0000                                     | 2-20037/0753     | 12/13/76       | 100             | 9628                               | 4559N                               | 07617E       | 15.9         | 152.0             | GGGG                       |                             | 162                     | 28                     |
| 2691-04514        | 00000/0000                                     | 2-20037/0754     | 12/13/76       | 100             | 9628                               | 4434N                               | 07543E       | 17.0         | 151.4             | GGGG                       |                             | 162                     | 29                     |
| 2691-04520        | 00000/0000                                     | 2-20037/0755     | 12/13/76       | 100             | 9628                               | 4309N                               | 07510E       | 18.0         | 150.8             | GGGG                       |                             | 162                     | 30                     |
| 2691-04523        | 00000/0000                                     | 2-20037/0756     | 12/13/76       | 90              | 9628                               | 4144N                               | 07439E       | 19.1         | 150.2             | GGGG                       |                             | 162                     | 31                     |
| 2691-04525        | 00000/0000                                     | 2-20037/0757     | 12/13/76       | 60              | 9628                               | 4019N                               | 07408E       | 20.2         | 149.6             | GGGG                       |                             | 162                     | 32                     |
| 2691-04532        | 00000/0000                                     | 2-20037/0758     | 12/13/76       | 20              | 9628                               | 3853N                               | 07339E       | 21.3         | 149.0             | GGGG                       |                             | 162                     | 33                     |
| 2691-04534        | 00000/0000                                     | 2-20037/0759     | 12/13/76       | 50              | 9628                               | 3727N                               | 07311E       | 22.4         | 148.3             | GGGG                       |                             | 162                     | 34                     |
| 2691-04541        | 00000/0000                                     | 2-20037/0760     | 12/13/76       | 50              | 9628                               | 3601N                               | 07244E       | 23.4         | 147.7             | GGGG                       |                             | 162                     | 35                     |
| 2691-04543        | 00000/0000                                     | 2-20037/0761     | 12/13/76       | 20              | 9628                               | 3435N                               | 07217E       | 24.5         | 147.1             | GGGG                       |                             | 162                     | 36                     |
| 2691-04550        | 00000/0000                                     | 2-20037/0762     | 12/13/76       | 0               | 9628                               | 3310N                               | 07151E       | 25.5         | 146.4             | GGGG                       |                             | 162                     | 37                     |
| 2691-04552        | 00000/0000                                     | 2-20037/0763     | 12/13/76       | 0               | 9628                               | 3144N                               | 07125E       | 26.6         | 145.7             | FGGG                       |                             | 162                     | 38                     |
| 2691-04555        | 00000/0000                                     | 2-20037/0764     | 12/13/76       | 0               | 9628                               | 3018N                               | 07101E       | 27.6         | 145.1             | FGGG                       |                             | 162                     | 39                     |
| 2691-04561        | 00000/0000                                     | 2-20037/0765     | 12/13/76       | 0               | 9628                               | 2852N                               | 07037E       | 28.6         | 144.3             | FGGG                       |                             | 162                     | 40                     |
| 2691-04564        | 00000/0000                                     | 2-20037/0766     | 12/13/76       | 0               | 9628                               | 2726N                               | 07013E       | 29.6         | 143.6             | GGGG                       |                             | 162                     | 41                     |
| 2691-04570        | 00000/0000                                     | 2-20037/0767     | 12/13/76       | 0               | 9628                               | 2559N                               | 06950E       | 30.6         | 142.9             | FGGG                       |                             | 162                     | 42                     |
| 2691-04573        | 00000/0000                                     | 2-20037/0768     | 12/13/76       | 0               | 9628                               | 2433N                               | 06926E       | 31.6         | 142.1             | GGGG                       |                             | 162                     | 43                     |
| 2691-04575        | 00000/0000                                     | 2-20037/0769     | 12/13/76       | 0               | 9628                               | 2306N                               | 06903E       | 32.6         | 141.3             | FGGG                       |                             | 162                     | 44                     |
| 2691-04582        | 00000/0000                                     | 2-20037/0770     | 12/13/76       | 0               | 9628                               | 2139N                               | 06841E       | 33.6         | 140.5             | GGGF                       |                             | 162                     | 45                     |
| 2691-04584        | 00000/0000                                     | 2-20037/0771     | 12/13/76       | 10              | 9628                               | 2013N                               | 06820E       | 34.5         | 139.7             | GGGG                       |                             | 162                     | 46                     |
| 2691-06325        | 00000/0000                                     | 2-20037/0772     | 12/13/76       | 10              | 9629                               | 5139N                               | 05256E       | 11.4         | 154.5             | GGGG                       |                             | 180                     | 24                     |
| 2691-06331        | 00000/0000                                     | 2-20037/0773     | 12/13/76       | 90              | 9629                               | 5014N                               | 05216E       | 12.5         | 153.9             | GGGG                       |                             | 180                     | 25                     |
| 2691-06334        | 00000/0000                                     | 2-20037/0774     | 12/13/76       | 100             | 9629                               | 4849N                               | 05138E       | 13.6         | 153.2             | PGGG                       |                             | 180                     | 26                     |
| 2691-06340        | 00000/0000                                     | 2-20037/0775     | 12/13/76       | 50              | 9629                               | 4725N                               | 05101E       | 14.8         | 152.6             | FGGG                       |                             | 180                     | 27                     |
| 2691-06343        | 00000/0000                                     | 2-20037/0776     | 12/13/76       | 50              | 9629                               | 4600N                               | 05027E       | 15.9         | 152.0             | FGFG                       |                             | 180                     | 28                     |
| 2691-06354        | 00000/0000                                     | 2-20037/0866     | 12/13/76       | 90              | 9629                               | 4143N                               | 04848E       | 19.1         | 150.2             | GGGG                       |                             | 180                     | 31                     |
| 2691-06361        | 00000/0000                                     | 2-20037/0867     | 12/13/76       | 90              | 9629                               | 4018N                               | 04818E       | 20.2         | 149.6             | FGGG                       |                             | 180                     | 32                     |
| 2691-06363        | 00000/0000                                     | 2-20037/0868     | 12/13/76       | 30              | 9629                               | 3852N                               | 04749E       | 21.3         | 149.0             | FGGG                       |                             | 180                     | 33                     |
| 2691-06370        | 00000/0000                                     | 2-20037/0869     | 12/13/76       | 10              | 9629                               | 3727N                               | 04721E       | 22.4         | 148.3             | FFGG                       |                             | 180                     | 34                     |
| 2691-06372        | 00000/0000                                     | 2-20037/0870     | 12/13/76       | 0               | 9629                               | 3601N                               | 04654E       | 23.4         | 147.7             | GGGG                       |                             | 180                     | 35                     |
| 2691-06375        | 00000/0000                                     | 2-20037/0871     | 12/13/76       | 0               | 9629                               | 3435N                               | 04628E       | 24.5         | 147.1             | FFGG                       |                             | 180                     | 36                     |
| 2691-06381        | 00000/0000                                     | 2-20037/0872     | 12/13/76       | 0               | 9629                               | 3310N                               | 04602E       | 25.5         | 146.4             | GGGG                       |                             | 180                     | 37                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |     |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|-----|
| 2691-08154        | 00000/0000                   | 2-20037/0873                | 12/13/76         | 40             | 9630                   | 5306N                                   | 02752E       | 10.3         | 155.2                              |                     |                      |                         | 198                    | 23  |
| 2691-08160        | 00000/0000                   | 2-20037/0874                | 12/13/76         | 50             | 9630                   | 5141N                                   | 02709E       | 11.4         | 154.5                              |                     |                      |                         | 198                    | 24  |
| 2691-08163        | 00000/0000                   | 2-20037/0875                | 12/13/76         | 90             | 9630                   | 5017N                                   | 02629E       | 12.5         | 153.9                              |                     |                      |                         | 198                    | 25  |
| 2691-13253        | 00000/0000                   | 2-20037/0712                | 12/13/76         | 90             | 9633                   | 5304N                                   | 04933W       | 10.3         | 155.1                              |                     |                      |                         | 1                      | 23  |
| 2691-13255        | 00000/0000                   | 2-20037/0713                | 12/13/76         | 80             | 9633                   | 5140N                                   | 05015W       | 11.4         | 154.5                              |                     |                      |                         | 1                      | 24  |
| 2691-13262        | 00000/0000                   | 2-20037/0714                | 12/13/76         | 90             | 9633                   | 5016N                                   | 05056W       | 12.5         | 153.8                              |                     |                      |                         | 1                      | 25  |
| 2691-13264        | 00000/0000                   | 2-20037/0715                | 12/13/76         | 90             | 9633                   | 4851N                                   | 05135W       | 13.6         | 153.2                              |                     |                      |                         | 1                      | 26  |
| 2691-13271        | 00000/0000                   | 2-20037/0716                | 12/13/76         | 80             | 9633                   | 4725N                                   | 05212W       | 14.7         | 152.6                              |                     |                      |                         | 1                      | 27  |
| 2691-13273        | 00000/0000                   | 2-20037/0717                | 12/13/76         | 100            | 9633                   | 4601N                                   | 05247W       | 15.8         | 152.0                              |                     |                      |                         | 1                      | 28  |
| 2691-13280        | 00000/0000                   | 2-20037/0718                | 12/13/76         | 90             | 9633                   | 4425N                                   | 05321W       | 16.9         | 151.4                              |                     |                      |                         | 1                      | 29  |
| 2691-13282        | 00000/0000                   | 2-20037/0719                | 12/13/76         | 90             | 9633                   | 4310N                                   | 05354W       | 18.0         | 150.8                              |                     |                      |                         | 1                      | 30  |
| 2691-13285        | 00000/0000                   | 2-20037/0720                | 12/13/76         | 90             | 9633                   | 4144N                                   | 05425W       | 19.1         | 150.2                              |                     |                      |                         | 1                      | 31  |
| 2691-15093        | 00000/0000                   | 2-20037/0721                | 12/13/76         | 10             | 9634                   | 5015N                                   | 07648W       | 12.5         | 153.8                              |                     |                      |                         | 19                     | 25  |
| 2691-15482        | 2-20037/1377                 | 00000/0000                  | 12/13/76         | 100            | 9634                   | 7933S                                   | 15534W       | 21.5         | 101.5                              | GGG                 |                      |                         | 20                     | 118 |
| 2691-15484        | 2-20037/1378                 | 00000/0000                  | 12/13/76         | 90             | 9634                   | 8014S                                   | 16253W       | 20.4         | 108.3                              | GGF                 |                      |                         | 20                     | 119 |
| 2691-16525        | 00000/0000                   | 2-20037/0639                | 12/13/76         | 60             | 9635                   | 5015N                                   | 10240W       | 12.5         | 153.8                              |                     |                      |                         | 37                     | 25  |
| 2691-16590        | 00000/0000                   | 2-20037/0640                | 12/13/76         | 0              | 9635                   | 2852N                                   | 11006W       | 28.6         | 144.3                              |                     |                      |                         | 37                     | 40  |
| 2691-16593        | 00000/0000                   | 2-20037/0641                | 12/13/76         | 10             | 9635                   | 2726N                                   | 11029W       | 29.6         | 143.6                              |                     |                      |                         | 37                     | 41  |
| 2691-16595        | 00000/0000                   | 2-20037/0644                | 12/13/76         | 20             | 9635                   | 2600N                                   | 11053W       | 30.6         | 142.8                              |                     |                      |                         | 37                     | 42  |
| 2691-17002        | 00000/0000                   | 2-20037/0642                | 12/13/76         | 30             | 9635                   | 2433N                                   | 11116W       | 31.6         | 142.1                              |                     |                      |                         | 37                     | 43  |
| 2691-17004        | 00000/0000                   | 2-20037/0643                | 12/13/76         | 40             | 9635                   | 2307N                                   | 11139W       | 32.5         | 141.3                              |                     |                      |                         | 37                     | 44  |
| 2692-00094        | 00000/0000                   | 2-20037/0876                | 12/14/76         | 80             | 9639                   | 3142S                                   | 13141E       | 49.9         | 89.2                               |                     |                      |                         | 109                    | 82  |
| 2692-01325        | 00000/0000                   | 2-20037/0877                | 12/14/76         | 30             | 9640                   | 3726N                                   | 12324E       | 22.3         | 148.3                              |                     |                      |                         | 127                    | 34  |
| 2692-01350        | 00000/0000                   | 2-20037/0878                | 12/14/76         | 10             | 9640                   | 3018N                                   | 12113E       | 27.5         | 145.0                              |                     |                      |                         | 127                    | 39  |
| 2692-01352        | 00000/0000                   | 2-20037/0879                | 12/14/76         | 0              | 9640                   | 2852N                                   | 12048E       | 28.5         | 144.3                              |                     |                      |                         | 127                    | 40  |
| 2692-01355        | 00000/0000                   | 2-20037/0880                | 12/14/76         | 10             | 9640                   | 2726N                                   | 12024E       | 29.5         | 143.6                              |                     |                      |                         | 127                    | 41  |
| 2692-03143        | 00000/0000                   | 2-20037/0777                | 12/14/76         | 80             | 9641                   | 4312N                                   | 09934E       | 17.9         | 150.7                              |                     |                      |                         | 145                    | 30  |
| 2692-03145        | 00000/0000                   | 2-20037/0778                | 12/14/76         | 90             | 9641                   | 4146N                                   | 09903E       | 19.0         | 150.1                              |                     |                      |                         | 145                    | 31  |
| 2692-03152        | 00000/0000                   | 2-20037/0779                | 12/14/76         | 70             | 9641                   | 4021N                                   | 09833E       | 20.1         | 149.5                              |                     |                      |                         | 145                    | 32  |
| 2692-03154        | 00000/0000                   | 2-20037/0780                | 12/14/76         | 30             | 9641                   | 3855N                                   | 09804E       | 21.2         | 148.9                              |                     |                      |                         | 145                    | 33  |
| 2692-03161        | 00000/0000                   | 2-20037/0781                | 12/14/76         | 90             | 9641                   | 3729N                                   | 09736E       | 22.2         | 148.3                              |                     |                      |                         | 145                    | 34  |
| 2692-03163        | 00000/0000                   | 2-20037/0782                | 12/14/76         | 60             | 9641                   | 3604N                                   | 09709E       | 23.3         | 147.7                              |                     |                      |                         | 145                    | 35  |
| 2692-03170        | 00000/0000                   | 2-20037/0783                | 12/14/76         | 80             | 9641                   | 3438N                                   | 09642E       | 24.3         | 147.0                              |                     |                      |                         | 145                    | 36  |
| 2692-03172        | 00000/0000                   | 2-20037/0784                | 12/14/76         | 10             | 9641                   | 3312N                                   | 09616E       | 25.4         | 146.4                              |                     |                      |                         | 145                    | 37  |
| 2692-03175        | 00000/0000                   | 2-20037/0785                | 12/14/76         | 0              | 9641                   | 3146N                                   | 09550E       | 26.4         | 145.7                              |                     |                      |                         | 145                    | 38  |
| 2692-03181        | 00000/0000                   | 2-20037/0786                | 12/14/76         | 10             | 9641                   | 3020N                                   | 09526E       | 27.5         | 145.0                              |                     |                      |                         | 145                    | 39  |

KEYS: CLOUD COVER 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NO.<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|--------------------------------------|-----------------|------------------|----------------|---------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2692-03184        | 00000/0000                           | 2-20037/0787    | 12/14/76         | 20             | 9641          | 2854N                        | 09501E        | 28.5         | 144.3        | GGGG                               |                     |                      | 145                     | 40                     |
| 2692-03190        | 00000/0000                           | 2-20037/0788    | 12/14/76         | 10             | 9641          | 2728N                        | 09437E        | 29.5         | 143.6        | GGGG                               |                     |                      | 145                     | 41                     |
| 2692-03193        | 00000/0000                           | 2-20037/0789    | 12/14/76         | 10             | 9641          | 2602N                        | 09414E        | 30.5         | 142.8        | GGGG                               |                     |                      | 145                     | 42                     |
| 2692-03195        | 00000/0000                           | 2-20037/0790    | 12/14/76         | 10             | 9641          | 2436N                        | 09351E        | 31.5         | 142.1        | GGGG                               |                     |                      | 145                     | 43                     |
| 2692-03202        | 00000/0000                           | 2-20037/0791    | 12/14/76         | 20             | 9641          | 2309N                        | 09328E        | 32.5         | 141.3        | GGGG                               |                     |                      | 145                     | 44                     |
| 2692-03204        | 00000/0000                           | 2-20037/0792    | 12/14/76         | 10             | 9641          | 2143N                        | 09306E        | 33.4         | 140.5        | GGGG                               |                     |                      | 145                     | 45                     |
| 2692-03211        | 00000/0000                           | 2-20037/0793    | 12/14/76         | 10             | 9641          | 2017N                        | 09244E        | 34.4         | 139.6        | GGGG                               |                     |                      | 145                     | 46                     |
| 2692-03213        | 00000/0000                           | 2-20037/0794    | 12/14/76         | 10             | 9641          | 1850N                        | 09222E        | 35.3         | 138.8        | GGGG                               |                     |                      | 145                     | 47                     |
| 2692-04551        | 00000/0000                           | 2-20037/0795    | 12/14/76         | 30             | 9642          | 5141N                        | 07721E        | 11.3         | 154.4        | GGGG                               |                     |                      | 163                     | 24                     |
| 2692-04554        | 00000/0000                           | 2-20037/0796    | 12/14/76         | 50             | 9642          | 5016N                        | 07640E        | 12.4         | 153.8        | GGGG                               |                     |                      | 163                     | 25                     |
| 2692-04560        | 00000/0000                           | 2-20037/0797    | 12/14/76         | 90             | 9642          | 4852N                        | 07602E        | 13.5         | 153.2        | GGGG                               |                     |                      | 163                     | 26                     |
| 2692-04563        | 00000/0000                           | 2-20037/0798    | 12/14/76         | 100            | 9642          | 4727N                        | 07525E        | 14.6         | 152.5        | GGGG                               |                     |                      | 163                     | 27                     |
| 2692-04565        | 00000/0000                           | 2-20037/0799    | 12/14/76         | 100            | 9642          | 4602N                        | 07450E        | 15.7         | 151.9        | GGGG                               |                     |                      | 163                     | 28                     |
| 2692-04572        | 00000/0000                           | 2-20037/0800    | 12/14/76         | 100            | 9642          | 4437N                        | 07416E        | 16.8         | 151.3        | GGGG                               |                     |                      | 163                     | 29                     |
| 2692-04574        | 00000/0000                           | 2-20037/0801    | 12/14/76         | 70             | 9642          | 4312N                        | 07343E        | 17.9         | 150.7        | GGGG                               |                     |                      | 163                     | 30                     |
| 2692-04581        | 00000/0000                           | 2-20037/0802    | 12/14/76         | 70             | 9642          | 4146N                        | 07312E        | 19.0         | 150.1        | GGGG                               |                     |                      | 163                     | 31                     |
| 2692-04583        | 00000/0000                           | 2-20037/0803    | 12/14/76         | 80             | 9642          | 4020N                        | 07242E        | 20.1         | 149.5        | GGGG                               |                     |                      | 163                     | 32                     |
| 2692-04590        | 00000/0000                           | 2-20037/0804    | 12/14/76         | 90             | 9642          | 3855N                        | 07213E        | 21.2         | 148.9        | GGGG                               |                     |                      | 163                     | 33                     |
| 2692-04592        | 00000/0000                           | 2-20037/0805    | 12/14/76         | 80             | 9642          | 3729N                        | 07145E        | 22.2         | 148.3        | GGGG                               |                     |                      | 163                     | 34                     |
| 2692-04595        | 00000/0000                           | 2-20037/0806    | 12/14/76         | 20             | 9642          | 3604N                        | 07118E        | 23.3         | 147.6        | GGGG                               |                     |                      | 163                     | 35                     |
| 2692-05001        | 00000/0000                           | 2-20037/0807    | 12/14/76         | 0              | 9642          | 3438N                        | 07052E        | 24.3         | 147.0        | GGGG                               |                     |                      | 163                     | 36                     |
| 2692-05004        | 00000/0000                           | 2-20037/0808    | 12/14/76         | 0              | 9642          | 3312N                        | 07026E        | 25.4         | 146.3        | GGGG                               |                     |                      | 163                     | 37                     |
| 2692-05010        | 00000/0000                           | 2-20037/0809    | 12/14/76         | 0              | 9642          | 3146N                        | 07000E        | 26.4         | 145.7        | GGGG                               |                     |                      | 163                     | 38                     |
| 2692-05013        | 00000/0000                           | 2-20037/0810    | 12/14/76         | 0              | 9642          | 3020N                        | 06935E        | 27.5         | 145.0        | GGGG                               |                     |                      | 163                     | 39                     |
| 2692-05022        | 00000/0000                           | 2-20037/0811    | 12/14/76         | 0              | 9642          | 2727N                        | 06848E        | 29.5         | 143.6        | GGGG                               |                     |                      | 163                     | 41                     |
| 2692-05024        | 00000/0000                           | 2-20037/0812    | 12/14/76         | 0              | 9642          | 2601N                        | 06824E        | 30.5         | 142.8        | GGGG                               |                     |                      | 163                     | 42                     |
| 2692-05031        | 00000/0000                           | 2-20037/0813    | 12/14/76         | 0              | 9642          | 2435N                        | 06801E        | 31.5         | 142.1        | GGGG                               |                     |                      | 163                     | 43                     |
| 2692-05033        | 00000/0000                           | 2-20037/0814    | 12/14/76         | 10             | 9642          | 2307N                        | 06739E        | 32.4         | 141.3        | GGGG                               |                     |                      | 163                     | 44                     |
| 2692-05040        | 00000/0000                           | 2-20037/0815    | 12/14/76         | 20             | 9642          | 2140N                        | 06717E        | 33.4         | 140.5        | GGGG                               |                     |                      | 163                     | 45                     |
| 2692-05042        | 00000/0000                           | 2-20037/0816    | 12/14/76         | 20             | 9642          | 2014N                        | 06655E        | 34.4         | 139.6        | GGGG                               |                     |                      | 163                     | 46                     |
| 2692-06385        | 00000/0000                           | 2-20037/0817    | 12/14/76         | 60             | 9643          | 5016N                        | 05051E        | 12.4         | 153.8        | GFFG                               |                     |                      | 181                     | 25                     |
| 2692-06392        | 00000/0000                           | 2-20037/0818    | 12/14/76         | 70             | 9643          | 4852N                        | 05012E        | 13.5         | 153.2        | GFFG                               |                     |                      | 181                     | 26                     |
| 2692-06394        | 00000/0000                           | 2-20037/0819    | 12/14/76         | 10             | 9643          | 4727N                        | 04935E        | 14.6         | 152.5        | FFFF                               |                     |                      | 181                     | 27                     |
| 2692-06401        | 00000/0000                           | 2-20037/0820    | 12/14/76         | 50             | 9643          | 4602N                        | 04900E        | 15.7         | 151.9        | FFFF                               |                     |                      | 181                     | 28                     |
| 2692-06403        | 00000/0000                           | 2-20037/0821    | 12/14/76         | 90             | 9643          | 4436N                        | 04827E        | 16.8         | 151.3        | FFFF                               |                     |                      | 181                     | 29                     |
| 2692-06412        | 00000/0000                           | 2-20037/0823    | 12/14/76         | 100            | 9643          | 4146N                        | 04723E        | 19.0         | 150.1        | GGGG                               |                     |                      | 181                     | 31                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK, NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | RAI NO./<br>IN RAI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SBBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SBBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|---------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2692-06415        | 00000/0000                   | 2-20037/0824              | 12/14/76         | 100            | 9643            | 4021N                                   | 04653E       | 20.1         | 149.5                              | GGGG                |                      | 181                     | 32                     |
| 2692-06421        | 00000/0000                   | 2-20037/0825              | 12/14/76         | 100            | 9643            | 3855N                                   | 04624E       | 21.2         | 148.9                              | GGGG                |                      | 181                     | 33                     |
| 2692-08212        | 00000/0000                   | 2-20037/0826              | 12/14/76         | 90             | 9644            | 5304N                                   | 02625E       | 10.2         | 155.1                              | GGGG                |                      | 199                     | 23                     |
| 2692-08214        | 00000/0000                   | 2-20037/0827              | 12/14/76         | 70             | 9644            | 5140N                                   | 02642E       | 11.3         | 154.4                              | GGGG                |                      | 199                     | 24                     |
| 2692-08221        | 00000/0000                   | 2-20037/0828              | 12/14/76         | 70             | 9644            | 5015N                                   | 02502E       | 12.4         | 153.8                              | GGGG                |                      | 199                     | 25                     |
| 2692-08223        | 00000/0000                   | 2-20037/0829              | 12/14/76         | 40             | 9644            | 4851N                                   | 02423E       | 13.5         | 153.1                              | GGGG                |                      | 199                     | 26                     |
| 2692-08230        | 00000/0000                   | 2-20037/0830              | 12/14/76         | 80             | 9644            | 4706N                                   | 02347E       | 14.6         | 152.5                              | GGGG                |                      | 199                     | 27                     |
| 2692-13311        | 00000/0000                   | 2-20037/0722              | 12/14/76         | 90             | 9647            | 5305N                                   | 05059W       | 10.2         | 155.1                              | GGGG                |                      | 2                       | 23                     |
| 2692-13313        | 00000/0000                   | 2-20037/0723              | 12/14/76         | 80             | 9647            | 5141N                                   | 05141W       | 11.3         | 154.4                              | GGGG                |                      | 2                       | 24                     |
| 2692-13320        | 00000/0000                   | 2-20037/0724              | 12/14/76         | 80             | 9647            | 5017N                                   | 05221W       | 12.4         | 153.8                              | GGGG                |                      | 2                       | 25                     |
| 2692-13322        | 00000/0000                   | 2-20037/0725              | 12/14/76         | 60             | 9647            | 4853N                                   | 05259W       | 13.5         | 153.1                              | GGGG                |                      | 2                       | 26                     |
| 2692-13325        | 00000/0000                   | 2-20037/0726              | 12/14/76         | 50             | 9647            | 4728N                                   | 05336W       | 14.6         | 152.5                              | GGGG                |                      | 2                       | 27                     |
| 2692-13331        | 00000/0000                   | 2-20037/0727              | 12/14/76         | 70             | 9647            | 4602N                                   | 05412W       | 15.7         | 151.9                              | GGGG                |                      | 2                       | 28                     |
| 2692-13334        | 00000/0000                   | 2-20037/0728              | 12/14/76         | 70             | 9647            | 4437N                                   | 05447W       | 16.8         | 151.3                              | GGGG                |                      | 2                       | 29                     |
| 2692-13340        | 00000/0000                   | 2-20037/0729              | 12/14/76         | 70             | 9647            | 4312N                                   | 05519W       | 17.9         | 150.7                              | GGGG                |                      | 2                       | 30                     |
| 2692-13343        | 00000/0000                   | 2-20037/0730              | 12/14/76         | 70             | 9647            | 4147N                                   | 05551W       | 19.0         | 150.1                              | GGGG                |                      | 2                       | 31                     |
| 2692-15151        | 00000/0000                   | 2-20037/0731              | 12/14/76         | 100            | 9648            | 5017N                                   | 07813W       | 12.4         | 153.7                              | GGGG                |                      | 20                      | 25                     |
| 2692-15533        | 2-20037/1379                 | 00000/0000                | 12/14/76         | 80             | 9648            | 7839S                                   | 15020W       | 22.6         | 95.5                               | GGG                 |                      | 20                      | 117                    |
| 2692-15540        | 2-20037/1380                 | 00000/0000                | 12/14/76         | 90             | 9648            | 7928S                                   | 15642W       | 21.6         | 101.2                              | GGG                 |                      | 20                      | 118                    |
| 2692-15542        | 2-20037/1381                 | 00000/0000                | 12/14/76         | 100            | 9648            | 8009S                                   | 16358W       | 20.5         | 108.0                              | GGG                 |                      | 21                      | 119                    |
| 2692-17044        | 00000/0000                   | 2-20037/0840              | 12/14/76         | 20             | 9649            | 2854N                                   | 11132W       | 28.4         | 144.2                              | FGG                 |                      | 38                      | 40                     |
| 2692-17051        | 00000/0000                   | 2-20037/0841              | 12/14/76         | 10             | 9649            | 2728N                                   | 11156W       | 29.4         | 143.5                              | GGGG                |                      | 38                      | 41                     |
| 2692-17053        | 00000/0000                   | 2-20037/0844              | 12/14/76         | 10             | 9649            | 2601N                                   | 11219W       | 30.4         | 142.8                              | GF                  |                      | 38                      | 42                     |
| 2692-17060        | 00000/0000                   | 2-20037/0842              | 12/14/76         | 70             | 9649            | 2435N                                   | 11241W       | 31.4         | 142.0                              | GGGG                | H                    | 38                      | 43                     |
| 2692-17062        | 00000/0000                   | 2-20037/0843              | 12/14/76         | 70             | 9649            | 2308N                                   | 11304W       | 32.4         | 141.2                              | GGGF                | H                    | 38                      | 44                     |
| 2693-01383        | 00000/0000                   | 2-20037/0831              | 12/15/76         | 70             | 9654            | 3728N                                   | 12159E       | 22.1         | 148.2                              | GGGG                |                      | 128                     | 34                     |
| 2693-01390        | 00000/0000                   | 2-20037/0832              | 12/15/76         | 10             | 9654            | 3633N                                   | 12131E       | 23.2         | 147.6                              | FFFF                |                      | 128                     | 35                     |
| 2693-01392        | 00000/0000                   | 2-20037/0833              | 12/15/76         | 10             | 9654            | 3437N                                   | 12104E       | 24.2         | 146.9                              | FGGF                |                      | 128                     | 36                     |
| 2693-01395        | 00000/0000                   | 2-20037/0834              | 12/15/76         | 10             | 9654            | 3311N                                   | 12038E       | 25.3         | 146.3                              | FFFF                |                      | 128                     | 37                     |
| 2693-01401        | 00000/0000                   | 2-20037/0835              | 12/15/76         | 0              | 9654            | 3146N                                   | 12012E       | 26.3         | 145.6                              | FPGG                |                      | 128                     | 38                     |
| 2693-01404        | 00000/0000                   | 2-20037/0836              | 12/15/76         | 0              | 9654            | 3019N                                   | 11947E       | 27.4         | 144.9                              | FGGG                |                      | 128                     | 39                     |
| 2693-01410        | 00000/0000                   | 2-20037/0837              | 12/15/76         | 50             | 9654            | 2853N                                   | 11922E       | 28.4         | 144.2                              | GGGG                |                      | 128                     | 40                     |
| 2693-01413        | 00000/0000                   | 2-20037/0838              | 12/15/76         | 100            | 9654            | 2727N                                   | 11859E       | 29.4         | 143.5                              | GGGG                |                      | 128                     | 41                     |
| 2693-01415        | 00000/0000                   | 2-20037/0839              | 12/15/76         | 100            | 9654            | 2601N                                   | 11835E       | 30.4         | 142.8                              | GGGG                |                      | 128                     | 42                     |
| 2693-01422        | 00000/0000                   | 2-20037/0822              | 12/15/76         | 100            | 9654            | 2434N                                   | 11812E       | 31.4         | 142.0                              | G GG                |                      | 128                     | 43                     |
| 2693-03194        | 00000/0000                   | 2-20037/0881              | 12/15/76         | 20             | 9655            | 4436N                                   | 09440E       | 16.7         | 151.2                              | GGFG                |                      | 146                     | 29                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NANAUS  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>REV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>REV MSS | MSS<br>DATA MODE | MSS<br>IMAGE GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|------------------------------------|--------------|--------------|-----------------------|------------------|-------------------|-------------------------|------------------------|
| 2693-03201        | 00000/0000 2-20037/0882                        | 12/15/76         | 40                    | 9655 4311N                         | 09808E       | 17.8         | 150.6                 | FGGG             |                   | 146                     | 30                     |
| 2693-03203        | 00000/0000 2-20037/0883                        | 12/15/76         | 30                    | 9655 4145N                         | 09736E       | 18.9         | 150.0                 | FGGG             |                   | 146                     | 31                     |
| 2693-03210        | 00000/0000 2-20037/0884                        | 12/15/76         | 40                    | 9655 4020N                         | 09706E       | 20.0         | 149.4                 | FGGG             |                   | 146                     | 32                     |
| 2693-03212        | 00000/0000 2-20037/0885                        | 12/15/76         | 90                    | 9655 3854N                         | 09637E       | 21.1         | 148.8                 | GGGG             |                   | 146                     | 33                     |
| 2693-03215        | 00000/0000 2-20037/0886                        | 12/15/76         | 50                    | 9655 3728N                         | 09609E       | 22.1         | 148.2                 | GGGG             |                   | 146                     | 34                     |
| 2693-03221        | 00000/0000 2-20037/0887                        | 12/15/76         | 10                    | 9655 3602N                         | 09541E       | 23.2         | 147.6                 | GGGG             |                   | 146                     | 35                     |
| 2693-03224        | 00000/0000 2-20037/0888                        | 12/15/76         | 60                    | 9655 3436N                         | 09515E       | 24.2         | 146.9                 | GGGG             |                   | 146                     | 36                     |
| 2693-03230        | 00000/0000 2-20037/0889                        | 12/15/76         | 30                    | 9655 3310N                         | 09449E       | 25.3         | 146.3                 | GGGG             |                   | 146                     | 37                     |
| 2693-03233        | 00000/0000 2-20037/0890                        | 12/15/76         | 10                    | 9655 3145N                         | 09423E       | 26.3         | 145.6                 | GGGG             |                   | 146                     | 38                     |
| 2693-03235        | 00000/0000 2-20037/0891                        | 12/15/76         | 10                    | 9655 3019N                         | 09359E       | 27.4         | 144.9                 | GGGG             |                   | 146                     | 39                     |
| 2693-03242        | 00000/0000 2-20037/0892                        | 12/15/76         | 10                    | 9655 2853N                         | 09334E       | 28.4         | 144.2                 | GGGG             |                   | 146                     | 40                     |
| 2693-03244        | 00000/0000 2-20037/0893                        | 12/15/76         | 20                    | 9655 2726N                         | 09310E       | 29.4         | 143.5                 | GGGG             |                   | 146                     | 41                     |
| 2693-03251        | 00000/0000 2-20037/0894                        | 12/15/76         | 10                    | 9655 2600N                         | 09246E       | 30.4         | 142.7                 | GGGG             |                   | 146                     | 42                     |
| 2693-03253        | 00000/0000 2-20037/0895                        | 12/15/76         | 10                    | 9655 2474N                         | 09223E       | 31.4         | 142.0                 | GGGG             |                   | 146                     | 43                     |
| 2693-03260        | 00000/0000 2-20037/0896                        | 12/15/76         | 10                    | 9655 2348N                         | 09201E       | 32.3         | 141.2                 | GGGG             |                   | 146                     | 44                     |
| 2693-03262        | 00000/0000 2-20037/0897                        | 12/15/76         | 10                    | 9655 2142N                         | 09138E       | 33.3         | 140.4                 | GGGG             |                   | 146                     | 45                     |
| 2693-03265        | 00000/0000 2-20037/0898                        | 12/15/76         | 20                    | 9655 2014N                         | 09116E       | 34.3         | 139.5                 | GGGG             |                   | 146                     | 46                     |
| 2693-03271        | 00000/0000 2-20037/0899                        | 12/15/76         | 20                    | 9655 1847N                         | 09055E       | 35.2         | 138.7                 | GGGG             |                   | 146                     | 47                     |
| 2693-03274        | 00000/0000 2-20037/0900                        | 12/15/76         | 40                    | 9655 1721N                         | 09034E       | 36.1         | 137.8                 | GGGG             |                   | 146                     | 48                     |
| 2693-05003        | 00000/0000 2-20037/0901                        | 12/15/76         | 60                    | 9656 5305N                         | 07438E       | 10.1         | 155.0                 | FGGG             |                   | 164                     | 23                     |
| 2693-05005        | 00000/0000 2-20037/0902                        | 12/15/76         | 30                    | 9656 5141N                         | 07556E       | 11.2         | 154.3                 | GGGG             |                   | 164                     | 24                     |
| 2693-05012        | 00000/0000 2-20037/0903                        | 12/15/76         | 10                    | 9656 5016N                         | 07515E       | 12.3         | 153.7                 | FFGG             |                   | 164                     | 25                     |
| 2693-05014        | 00000/0000 2-20037/0904                        | 12/15/76         | 0                     | 9656 4851N                         | 07436E       | 13.4         | 153.1                 | GGGG             |                   | 164                     | 26                     |
| 2693-05021        | 00000/0000 2-20037/0905                        | 12/15/76         | 80                    | 9656 4726N                         | 07359E       | 14.5         | 152.4                 | GGGG             |                   | 164                     | 27                     |
| 2693-05023        | 00000/0000 2-20037/0906                        | 12/15/76         | 100                   | 9656 4601N                         | 07324E       | 15.6         | 151.8                 | GGGG             |                   | 164                     | 28                     |
| 2693-05030        | 00000/0000 2-20037/0907                        | 12/15/76         | 80                    | 9656 4436N                         | 07249E       | 16.7         | 151.2                 | GGGG             |                   | 164                     | 29                     |
| 2693-05032        | 00000/0000 2-20037/0908                        | 12/15/76         | 70                    | 9656 4311N                         | 07217E       | 17.8         | 150.6                 | GGGG             |                   | 164                     | 30                     |
| 2693-05035        | 00000/0000 2-20037/0909                        | 12/15/76         | 30                    | 9656 4145N                         | 07146E       | 18.9         | 150.0                 | GGGG             |                   | 164                     | 31                     |
| 2693-05041        | 00000/0000 2-20037/0910                        | 12/15/76         | 40                    | 9656 4020N                         | 07116E       | 20.0         | 149.4                 | GGGG             |                   | 164                     | 32                     |
| 2693-05044        | 00000/0000 2-20037/0911                        | 12/15/76         | 30                    | 9656 3854N                         | 07047E       | 21.1         | 148.8                 | GGGG             |                   | 164                     | 33                     |
| 2693-05050        | 00000/0000 2-20037/0912                        | 12/15/76         | 10                    | 9656 3728N                         | 07020E       | 22.1         | 148.2                 | GGGG             |                   | 164                     | 34                     |
| 2693-05053        | 00000/0000 2-20037/0913                        | 12/15/76         | 0                     | 9656 3603N                         | 06952E       | 23.2         | 147.6                 | GGGG             |                   | 164                     | 35                     |
| 2693-05055        | 00000/0000 2-20037/0914                        | 12/15/76         | 10                    | 9656 3437N                         | 06926E       | 24.2         | 146.9                 | GGGG             |                   | 164                     | 36                     |
| 2693-05062        | 00000/0000 2-20037/0915                        | 12/15/76         | 10                    | 9656 3310N                         | 06900E       | 25.3         | 146.3                 | GGGG             |                   | 164                     | 37                     |
| 2693-05064        | 00000/0000 2-20037/0916                        | 12/15/76         | 0                     | 9656 3144N                         | 06835E       | 26.3         | 145.6                 | GGGG             |                   | 164                     | 38                     |
| 2693-05071        | 00000/0000 2-20037/0917                        | 12/15/76         | 0                     | 9656 3018N                         | 06810E       | 27.4         | 144.9                 | GGGG             |                   | 164                     | 39                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RST<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|---------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2693-05073        | 00000/0000                   | 2-20037/0918               | 12/15/76         | 0              | 9656          | 2852N                        | 06746E        | 28.4         | 144.2        | GGGG                               |                     |                      | 164                     | 40                     |
| 2693-05080        | 00000/0000                   | 2-20037/0919               | 12/15/76         | 0              | 9656          | 2726N                        | 06722E        | 29.4         | 143.5        | GGGG                               |                     |                      | 164                     | 41                     |
| 2693-05082        | 00000/0000                   | 2-20037/0920               | 12/15/76         | 0              | 9656          | 2601N                        | 06658E        | 30.4         | 142.7        | GGGG                               |                     |                      | 164                     | 42                     |
| 2693-05085        | 00000/0000                   | 2-20037/0921               | 12/15/76         | 10             | 9656          | 2434N                        | 06635E        | 31.4         | 142.0        | GFFG                               |                     |                      | 164                     | 43                     |
| 2693-05091        | 00000/0000                   | 2-20037/0922               | 12/15/76         | 10             | 9656          | 2308N                        | 06613E        | 32.3         | 141.2        | GFFG                               |                     |                      | 164                     | 44                     |
| 2693-05094        | 00000/0000                   | 2-20037/0923               | 12/15/76         | 40             | 9656          | 2141N                        | 06550E        | 33.3         | 140.4        | GFFF                               |                     |                      | 164                     | 45                     |
| 2693-05100        | 00000/0000                   | 2-20037/0924               | 12/15/76         | 40             | 9656          | 2014N                        | 06528E        | 34.3         | 139.5        | GGGG                               |                     |                      | 164                     | 46                     |
| 2693-06462        | 00000/0000                   | 2-20037/0925               | 12/15/76         | 60             | 9657          | 4436N                        | 04700E        | 16.7         | 151.2        | GFFG                               |                     |                      | 182                     | 29                     |
| 2693-06464        | 00000/0000                   | 2-20037/0926               | 12/15/76         | 70             | 9657          | 4310N                        | 04627E        | 17.8         | 150.6        | FGGG                               |                     |                      | 182                     | 30                     |
| 2693-06471        | 00000/0000                   | 2-20037/0927               | 12/15/76         | 80             | 9657          | 4145N                        | 04556E        | 18.9         | 150.0        | FGGG                               |                     |                      | 182                     | 31                     |
| 2693-06473        | 00000/0000                   | 2-20037/0928               | 12/15/76         | 60             | 9657          | 4019N                        | 04426E        | 20.0         | 149.4        | GGGG                               |                     |                      | 182                     | 32                     |
| 2693-06480        | 00000/0000                   | 2-20037/0929               | 12/15/76         | 20             | 9657          | 3854N                        | 04457E        | 21.1         | 148.8        | GGF                                |                     |                      | 182                     | 33                     |
| 2693-06275        | 00000/0000                   | 2-20037/0930               | 12/15/76         | 60             | 9658          | 5015N                        | 02338E        | 12.3         | 153.7        | GFFG                               |                     |                      | 200                     | 25                     |
| 2693-13365        | 00000/0000                   | 2-20037/0845               | 12/15/76         | 90             | 9661          | 5306N                        | 05225W        | 10.1         | 154.9        | GGG                                |                     |                      | 3                       | 23                     |
| 2693-13371        | 00000/0000                   | 2-20037/0846               | 12/15/76         | 90             | 9661          | 5142N                        | 05308W        | 11.2         | 154.3        | GFFF                               |                     |                      | 3                       | 24                     |
| 2693-13374        | 00000/0000                   | 2-20037/0847               | 12/15/76         | 100            | 9661          | 5017N                        | 05348W        | 12.3         | 153.7        | GGGG                               |                     |                      | 3                       | 25                     |
| 2693-13380        | 00000/0000                   | 2-20037/0848               | 12/15/76         | 90             | 9661          | 4852N                        | 05427W        | 13.4         | 153.0        | FGGG                               |                     |                      | 3                       | 26                     |
| 2693-13383        | 00000/0000                   | 2-20037/0849               | 12/15/76         | 100            | 9661          | 4727N                        | 05504W        | 14.5         | 152.4        | GGGG                               |                     |                      | 3                       | 27                     |
| 2693-13385        | 00000/0000                   | 2-20037/0850               | 12/15/76         | 100            | 9661          | 4602N                        | 05539W        | 15.6         | 151.8        | FGGF                               |                     |                      | 3                       | 28                     |
| 2693-13392        | 00000/0000                   | 2-20037/0851               | 12/15/76         | 90             | 9661          | 4496N                        | 05613W        | 16.7         | 151.2        | GGGG                               |                     |                      | 3                       | 29                     |
| 2693-13394        | 00000/0000                   | 2-20037/0852               | 12/15/76         | 80             | 9661          | 4311N                        | 05646W        | 17.8         | 150.6        | GFFG                               |                     |                      | 3                       | 30                     |
| 2693-13401        | 00000/0000                   | 2-20037/0853               | 12/15/76         | 80             | 9661          | 4146N                        | 05717W        | 18.9         | 150.0        | GGGG                               |                     |                      | 3                       | 31                     |
| 2693-17041        | 00000/0000                   | 2-20037/0854               | 12/15/76         | 30             | 9663          | 5016N                        | 10530W        | 12.3         | 153.6        | GGGF                               |                     |                      | 39                      | 25                     |
| 2693-17103        | 00000/0000                   | 2-20037/0855               | 12/15/76         | 0              | 9663          | 2853N                        | 11258W        | 28.3         | 144.2        | FGGF                               |                     |                      | 39                      | 40                     |
| 2693-17105        | 00000/0000                   | 2-20037/0859               | 12/15/76         | 0              | 9663          | 2726N                        | 11321W        | 29.3         | 143.4        | GG                                 |                     | H                    | 39                      | 41                     |
| 2693-17112        | 00000/0000                   | 2-20037/0856               | 12/15/76         | 10             | 9663          | 2559N                        | 11345W        | 30.3         | 142.7        | GGGG                               |                     | H                    | 39                      | 42                     |
| 2693-17114        | 00000/0000                   | 2-20037/0857               | 12/15/76         | 20             | 9663          | 2433N                        | 11407W        | 31.3         | 141.9        | GGGG                               |                     | H                    | 39                      | 43                     |
| 2693-17121        | 00000/0000                   | 2-20037/0858               | 12/15/76         | 60             | 9663          | 2307N                        | 11430W        | 32.3         | 141.1        | GFFG                               |                     | H                    | 39                      | 44                     |
| 2694-01441        | 00000/0000                   | 2-20037/0931               | 12/16/76         | 60             | 9668          | 3727N                        | 12032E        | 22.0         | 148.1        | GGG                                |                     |                      | 129                     | 34                     |
| 2694-01444        | 00000/0000                   | 2-20037/0932               | 12/16/76         | 30             | 9668          | 3601N                        | 12004E        | 23.1         | 147.5        | GGGG                               |                     |                      | 129                     | 35                     |
| 2694-01450        | 00000/0000                   | 2-20037/0933               | 12/16/76         | 10             | 9668          | 3436N                        | 11937E        | 24.2         | 146.8        | FGGF                               |                     |                      | 129                     | 36                     |
| 2694-01453        | 00000/0000                   | 2-20037/0934               | 12/16/76         | 0              | 9668          | 3309N                        | 11911E        | 25.2         | 146.2        | FGGF                               |                     |                      | 129                     | 37                     |
| 2694-01462        | 00000/0000                   | 2-20037/0860               | 12/16/76         | 20             | 9668          | 3017N                        | 11820E        | 27.3         | 144.8        | GGGG                               |                     |                      | 129                     | 39                     |
| 2694-01464        | 00000/0000                   | 2-20037/0861               | 12/16/76         | 10             | 9668          | 2852N                        | 11756E        | 28.3         | 144.1        | FGGG                               |                     |                      | 129                     | 40                     |
| 2694-01471        | 00000/0000                   | 2-20037/0862               | 12/16/76         | 30             | 9668          | 2725N                        | 11732E        | 29.3         | 143.4        | GGGG                               |                     |                      | 129                     | 41                     |
| 2694-01473        | 00000/0000                   | 2-20037/0863               | 12/16/76         | 60             | 9668          | 2558N                        | 11708E        | 30.3         | 142.7        | GGGG                               |                     |                      | 129                     | 42                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|------------------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2694-01480        | 00000/0000                   | 2-20037/0864               | 12/16/76         | 80             | 9668                   | 2433N 11646E                            | 31.3         | 141.9        | GGGG                  |                     |                      | 129                     | 43                     |
| 2694-01482        | 00000/0000                   | 2-20037/0865               | 12/16/76         | 30             | 9668                   | 2378N 11623E                            | 32.2         | 141.1        | FFFF                  |                     |                      | 129                     | 44                     |
| 2694-03250        | 00000/0000                   | 2-20037/0953               | 12/16/76         | 10             | 9669                   | 4600N 09748E                            | 15.6         | 151.7        | G                     |                     |                      | 147                     | 28                     |
| 2694-03253        | 00000/0000                   | 2-20037/0954               | 12/16/76         | 30             | 9669                   | 4434N 09714E                            | 16.7         | 151.1        | GGFG                  |                     |                      | 147                     | 29                     |
| 2694-03255        | 00000/0000                   | 2-20037/0955               | 12/16/76         | 10             | 9669                   | 4309N 09642E                            | 17.8         | 150.5        | GGFG                  |                     |                      | 147                     | 30                     |
| 2694-03262        | 00000/0000                   | 2-20037/0956               | 12/16/76         | 0              | 9669                   | 4144N 09610E                            | 18.8         | 149.9        | GGFG                  |                     |                      | 147                     | 31                     |
| 2694-03264        | 00000/0000                   | 2-20037/0957               | 12/16/76         | 0              | 9669                   | 4019N 09541E                            | 19.9         | 149.3        | GGGG                  |                     |                      | 147                     | 32                     |
| 2694-03271        | 00000/0000                   | 2-20037/0958               | 12/16/76         | 20             | 9669                   | 3853N 09511E                            | 21.0         | 148.7        | GGGG                  |                     |                      | 147                     | 33                     |
| 2694-03273        | 00000/0000                   | 2-20037/0959               | 12/16/76         | 30             | 9669                   | 3728N 09443E                            | 22.1         | 148.1        | GGFG                  |                     |                      | 147                     | 34                     |
| 2694-03280        | 00000/0000                   | 2-20037/0960               | 12/16/76         | 10             | 9669                   | 3602N 09415E                            | 23.1         | 147.5        | GGGG                  |                     |                      | 147                     | 35                     |
| 2694-03282        | 00000/0000                   | 2-20037/0961               | 12/16/76         | 10             | 9669                   | 3436N 09348E                            | 24.2         | 146.8        | GGGG                  |                     |                      | 147                     | 36                     |
| 2694-03285        | 00000/0000                   | 2-20037/0962               | 12/16/76         | 0              | 9669                   | 3310N 09322E                            | 25.2         | 146.2        | GGGG                  |                     |                      | 147                     | 37                     |
| 2694-03291        | 00000/0000                   | 2-20037/0963               | 12/16/76         | 0              | 9669                   | 3144N 09257E                            | 26.2         | 145.5        | GGGG                  |                     |                      | 147                     | 38                     |
| 2694-03294        | 00000/0000                   | 2-20037/0964               | 12/16/76         | 0              | 9669                   | 3018N 09232E                            | 27.3         | 144.8        | GGGG                  |                     |                      | 147                     | 39                     |
| 2694-03300        | 00000/0000                   | 2-20037/0965               | 12/16/76         | 10             | 9669                   | 2852N 09208E                            | 28.3         | 144.1        | GGFG                  |                     |                      | 147                     | 40                     |
| 2694-03303        | 00000/0000                   | 2-20037/0966               | 12/16/76         | 10             | 9669                   | 2726N 09144E                            | 29.3         | 143.4        | GGGG                  |                     |                      | 147                     | 41                     |
| 2694-03305        | 00000/0000                   | 2-20037/0967               | 12/16/76         | 10             | 9669                   | 2589N 09120E                            | 30.3         | 142.7        | FGGG                  |                     |                      | 147                     | 42                     |
| 2694-03312        | 00000/0000                   | 2-20037/0968               | 12/16/76         | 10             | 9669                   | 2433N 09057E                            | 31.3         | 141.9        | GGGG                  |                     |                      | 147                     | 43                     |
| 2694-03314        | 00000/0000                   | 2-20037/0969               | 12/16/76         | 20             | 9669                   | 2307N 09035E                            | 32.2         | 141.1        | GGGG                  |                     |                      | 147                     | 44                     |
| 2694-03321        | 00000/0000                   | 2-20037/0970               | 12/16/76         | 70             | 9669                   | 2140N 09012E                            | 33.2         | 140.3        | FGGG                  |                     |                      | 147                     | 45                     |
| 2694-03323        | 00000/0000                   | 2-20037/0971               | 12/16/76         | 50             | 9669                   | 2013N 08951E                            | 34.2         | 139.5        | GGGG                  |                     |                      | 147                     | 46                     |
| 2694-03330        | 00000/0000                   | 2-20037/0972               | 12/16/76         | 80             | 9669                   | 1847N 08929E                            | 35.1         | 138.6        | GGGG                  |                     |                      | 147                     | 47                     |
| 2694-03332        | 00000/0000                   | 2-20037/0973               | 12/16/76         | 50             | 9669                   | 1720N 08908E                            | 36.0         | 137.7        | GGGG                  |                     |                      | 147                     | 48                     |
| 2694-03335        | 00000/0000                   | 2-20037/0974               | 12/16/76         | 30             | 9669                   | 1584N 08847E                            | 36.9         | 136.8        | GGGG                  |                     |                      | 147                     | 49                     |
| 2694-05061        | 00000/0000                   | 2-20037/0975               | 12/16/76         | 30             | 9670                   | 5304N 07514E                            | 10.1         | 154.9        | FGGG                  |                     |                      | 165                     | 23                     |
| 2694-05064        | 00000/0000                   | 2-20037/0976               | 12/16/76         | 20             | 9670                   | 5139N 07431E                            | 11.2         | 154.2        | GGGG                  |                     |                      | 165                     | 24                     |
| 2694-05070        | 00000/0000                   | 2-20037/0977               | 12/16/76         | 70             | 9670                   | 5015N 07349E                            | 12.3         | 153.6        | GGGG                  |                     |                      | 165                     | 25                     |
| 2694-05073        | 00000/0000                   | 2-20037/0978               | 12/16/76         | 70             | 9670                   | 4850N 07310E                            | 13.4         | 152.9        | GGGG                  |                     |                      | 165                     | 26                     |
| 2694-05075        | 00000/0000                   | 2-20037/0979               | 12/16/76         | 30             | 9670                   | 4725N 07233E                            | 14.5         | 152.3        | GGGG                  |                     |                      | 165                     | 27                     |
| 2694-05082        | 00000/0000                   | 2-20037/0980               | 12/16/76         | 100            | 9670                   | 4600N 07158E                            | 15.6         | 151.7        | GGGG                  |                     |                      | 165                     | 28                     |
| 2694-05084        | 00000/0000                   | 2-20037/0981               | 12/16/76         | 100            | 9670                   | 4435N 07124E                            | 16.7         | 151.1        | FGGG                  |                     |                      | 165                     | 29                     |
| 2694-05091        | 00000/0000                   | 2-20037/0982               | 12/16/76         | 70             | 9670                   | 4310N 07052E                            | 17.8         | 150.5        | FGGG                  |                     |                      | 165                     | 30                     |
| 2694-05093        | 00000/0000                   | 2-20037/0983               | 12/16/76         | 20             | 9670                   | 4144N 07021E                            | 18.8         | 149.9        | GGGG                  |                     |                      | 165                     | 31                     |
| 2694-05100        | 00000/0000                   | 2-20037/0984               | 12/16/76         | 60             | 9670                   | 4018N 06951E                            | 19.9         | 149.3        | GGGG                  |                     |                      | 165                     | 32                     |
| 2694-05102        | 00000/0000                   | 2-20037/0985               | 12/16/76         | 10             | 9670                   | 3853N 06922E                            | 21.0         | 148.7        | GGGG                  |                     |                      | 165                     | 33                     |
| 2694-05105        | 00000/0000                   | 2-20037/0986               | 12/16/76         | 10             | 9670                   | 3727N 06854E                            | 22.0         | 148.1        | GGGG                  |                     |                      | 165                     | 34                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SARBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2694-05111        | 00000/0000                   | 2-20037/0987                | 12/16/76         | 10             | 9670             | 3611N 06826E                            | 23.1         | 147.5        | FGGG                               |                     |                      | 165                     | 35                     |
| 2694-05114        | 00000/0000                   | 2-20037/0988                | 12/16/76         | 0              | 9670             | 3435N 06759E                            | 24.2         | 146.8        | GGGG                               |                     |                      | 165                     | 36                     |
| 2694-05120        | 00000/0000                   | 2-20037/0989                | 12/16/76         | 0              | 9670             | 3309N 06733E                            | 25.2         | 146.2        | GGGG                               |                     |                      | 165                     | 37                     |
| 2694-05123        | 00000/0000                   | 2-20037/0990                | 12/16/76         | 10             | 9670             | 3143N 06708E                            | 26.2         | 145.5        | GGGG                               |                     |                      | 165                     | 38                     |
| 2694-05125        | 00000/0000                   | 2-20037/0991                | 12/16/76         | 0              | 9670             | 3017N 06643E                            | 27.3         | 144.8        | GGGG                               |                     |                      | 165                     | 39                     |
| 2694-05132        | 00000/0000                   | 2-20037/0992                | 12/16/76         | 0              | 9670             | 2852N 06619E                            | 28.3         | 144.1        | PGGG                               |                     |                      | 165                     | 40                     |
| 2694-05134        | 00000/0000                   | 2-20037/0993                | 12/16/76         | 0              | 9670             | 2726N 06555E                            | 29.3         | 143.4        | FGGG                               |                     |                      | 165                     | 41                     |
| 2694-05141        | 00000/0000                   | 2-20037/0994                | 12/16/76         | 0              | 9670             | 2600N 06532E                            | 30.3         | 142.7        | FGGG                               |                     |                      | 165                     | 42                     |
| 2694-05143        | 00000/0000                   | 2-20037/0995                | 12/16/76         | 10             | 9670             | 2433N 06509E                            | 31.3         | 141.9        | GGFG                               |                     |                      | 165                     | 43                     |
| 2694-05150        | 00000/0000                   | 2-20037/0996                | 12/16/76         | 10             | 9670             | 2306N 06447E                            | 32.2         | 141.1        | GGFG                               |                     |                      | 165                     | 44                     |
| 2694-05152        | 00000/0000                   | 2-20037/0997                | 12/16/76         | 10             | 9670             | 2139N 06424E                            | 33.2         | 140.3        | FGFF                               |                     |                      | 165                     | 45                     |
| 2694-06493        | 00000/0000                   | 2-20037/1068                | 12/16/76         | 80             | 9671             | 5305N 04925E                            | 10.0         | 154.9        | F                                  |                     |                      | 183                     | 23                     |
| 2694-06495        | 00000/0000                   | 2-20037/1069                | 12/16/76         | 100            | 9671             | 5141N 04842E                            | 11.1         | 154.2        | GF G                               |                     |                      | 183                     | 24                     |
| 2694-06502        | 00000/0000                   | 2-20037/1070                | 12/16/76         | 30             | 9671             | 5017N 04801E                            | 12.2         | 153.6        | GFGG                               |                     |                      | 183                     | 25                     |
| 2694-06504        | 00000/0000                   | 2-20037/1071                | 12/16/76         | 20             | 9671             | 4852N 04722E                            | 13.3         | 153.0        | FFGG                               |                     |                      | 183                     | 26                     |
| 2694-06511        | 00000/0000                   | 2-20037/1072                | 12/16/76         | 30             | 9671             | 4728N 04645E                            | 14.4         | 152.3        | GFGG                               |                     |                      | 183                     | 27                     |
| 2694-06513        | 00000/0000                   | 2-20037/1073                | 12/16/76         | 90             | 9671             | 4603N 04610E                            | 15.5         | 151.7        | GGGG                               |                     |                      | 183                     | 28                     |
| 2694-06520        | 00000/0000                   | 2-20037/1074                | 12/16/76         | 90             | 9671             | 4438N 04536E                            | 16.6         | 151.1        | FGGG                               |                     |                      | 183                     | 29                     |
| 2694-06522        | 00000/0000                   | 2-20037/1075                | 12/16/76         | 80             | 9671             | 4313N 04504E                            | 17.7         | 150.5        | FGGG                               |                     |                      | 183                     | 30                     |
| 2694-06525        | 00000/0000                   | 2-20037/1076                | 12/16/76         | 90             | 9671             | 4148N 04433E                            | 18.8         | 149.9        | GGGG                               |                     |                      | 183                     | 31                     |
| 2694-06531        | 00000/0000                   | 2-20037/1077                | 12/16/76         | 50             | 9671             | 4022N 04402E                            | 19.9         | 149.3        | GFGG                               |                     |                      | 183                     | 32                     |
| 2694-06534        | 00000/0000                   | 2-20037/1078                | 12/16/76         | 10             | 9671             | 3857N 04333E                            | 20.9         | 148.7        | FGGG                               |                     |                      | 183                     | 33                     |
| 2694-08324        | 00000/0000                   | 2-20037/1079                | 12/16/76         | 70             | 9672             | 5306N 02336E                            | 10.0         | 154.9        | PGGG                               |                     |                      | 201                     | 24                     |
| 2694-13423        | 00000/0000                   | 2-20037/1087                | 12/16/76         | 70             | 9675             | 5304N 05352W                            | 10.0         | 154.8        | FFGG                               |                     |                      | 4                       | 23                     |
| 2694-13430        | 00000/0000                   | 2-20037/1088                | 12/16/76         | 30             | 9675             | 5140N 05435W                            | 11.1         | 154.2        | GGFG                               |                     |                      | 4                       | 24                     |
| 2694-13432        | 00000/0000                   | 2-20037/1089                | 12/16/76         | 20             | 9675             | 5015N 05515W                            | 12.2         | 153.5        | GGFG                               |                     |                      | 4                       | 25                     |
| 2694-13435        | 00000/0000                   | 2-20037/1090                | 12/16/76         | 10             | 9675             | 4851N 05554W                            | 13.3         | 152.9        | GGGF                               |                     |                      | 4                       | 26                     |
| 2694-13441        | 00000/0000                   | 2-20037/1091                | 12/16/76         | 20             | 9675             | 4726N 05630W                            | 14.4         | 152.3        | FGGF                               |                     |                      | 4                       | 27                     |
| 2694-13444        | 00000/0000                   | 2-20037/1092                | 12/16/76         | 40             | 9675             | 4601N 05702W                            | 15.5         | 151.7        | GGGG                               |                     |                      | 4                       | 28                     |
| 2694-13450        | 00000/0000                   | 2-20037/1093                | 12/16/76         | 90             | 9675             | 4436N 05740W                            | 16.6         | 151.1        | FGGG                               |                     |                      | 4                       | 29                     |
| 2694-13453        | 00000/0000                   | 2-20037/1094                | 12/16/76         | 90             | 9675             | 4310N 05812W                            | 17.7         | 150.5        | FGGG                               |                     |                      | 4                       | 30                     |
| 2694-13455        | 00000/0000                   | 2-20037/1095                | 12/16/76         | 100            | 9675             | 4145N 05843W                            | 18.8         | 149.9        | GGGG                               |                     |                      | 4                       | 31                     |
| 2694-17090        | 00000/0000                   | 2-20037/0935                | 12/16/76         | 10             | 9677             | 5304N 10533W                            | 10.0         | 154.8        | GGGG                               |                     |                      | 40                      | 23                     |
| 2694-17093        | 00000/0000                   | 2-20037/0936                | 12/16/76         | 30             | 9677             | 5129N 10616W                            | 11.1         | 154.2        | GGGG                               |                     |                      | 40                      | 24                     |
| 2694-17095        | 00000/0000                   | 2-20037/0937                | 12/16/76         | 10             | 9677             | 5015N 10657W                            | 12.2         | 153.5        | FGGG                               |                     |                      | 40                      | 25                     |
| 2694-17161        | 00000/0000                   | 2-20037/0942                | 12/16/76         | 0              | 9677             | 2851N 11425W                            | 28.2         | 144.1        | GG                                 |                     |                      | 40                      | 40                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANKS=BAD) NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR N4N-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | SAT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SAT<br>PATH<br>NUMBER | FRAME<br>RAW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-------------|---------------|------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|------------------------|
| 2694-17163        | 00000/0000 2-20037/0938                        | 12/16/76         | 10          | 9677          | 2725N                              | 11449W       | 29.2 143.3   | GGFG                  |                     | H                    | 40                    | 41                     |
| 2694-17170        | 00000/0000 2-20037/0939                        | 12/16/76         | 40          | 9677          | 2559N                              | 11512W       | 30.2 142.6   | GGGG                  |                     | H                    | 40                    | 42                     |
| 2694-17172        | 00000/0000 2-20037/0940                        | 12/16/76         | 50          | 9677          | 2433N                              | 11534W       | 31.2 141.8   | GGGG                  |                     | H                    | 40                    | 43                     |
| 2694-17175        | 00000/0000 2-20037/0941                        | 12/16/76         | 40          | 9677          | 2306N                              | 11556W       | 32.2 141.1   | GGGG                  |                     | H                    | 40                    | 44                     |
| 2695-01493        | 00000/0000 2-20037/1106                        | 12/17/76         | 0           | 9682          | 3852N                              | 11934E       | 20.9 148.6   | GGGG                  |                     | H                    | 130                   | 33                     |
| 2695-01500        | 00000/0000 2-20037/1107                        | 12/17/76         | 0           | 9682          | 3727N                              | 11906E       | 22.0 148.0   | GG G                  |                     |                      | 130                   | 34                     |
| 2695-01502        | 00000/0000 2-20037/1108                        | 12/17/76         | 0           | 9682          | 3601N                              | 11838E       | 23.0 147.4   | GGPG                  |                     |                      | 130                   | 35                     |
| 2695-01505        | 00000/0000 2-20037/1109                        | 12/17/76         | 0           | 9682          | 3435N                              | 11811E       | 24.1 146.7   | G G                   |                     |                      | 130                   | 36                     |
| 2695-01511        | 00000/0000 2-20037/1110                        | 12/17/76         | 10          | 9682          | 3310N                              | 11744E       | 25.1 146.1   | GGGG                  |                     |                      | 130                   | 37                     |
| 2695-01514        | 00000/0000 2-20037/1111                        | 12/17/76         | 10          | 9682          | 3144N                              | 11719E       | 26.2 145.4   | GGGG                  |                     |                      | 130                   | 38                     |
| 2695-01520        | 00000/0000 2-20037/1112                        | 12/17/76         | 10          | 9682          | 3018N                              | 11654E       | 27.2 144.7   | GGGG                  |                     |                      | 130                   | 39                     |
| 2695-01523        | 00000/0000 2-20037/1113                        | 12/17/76         | 50          | 9682          | 2851N                              | 11630E       | 28.2 144.0   | GGG                   |                     |                      | 130                   | 40                     |
| 2695-01525        | 00000/0000 2-20037/1114                        | 12/17/76         | 40          | 9682          | 2725N                              | 11606E       | 29.2 143.3   | GGGG                  |                     |                      | 130                   | 41                     |
| 2695-01532        | 00000/0000 2-20037/1115                        | 12/17/76         | 50          | 9682          | 2559N                              | 11542E       | 30.2 142.6   | GGPG                  |                     |                      | 130                   | 42                     |
| 2695-01534        | 00000/0000 2-20037/1116                        | 12/17/76         | 70          | 9682          | 2434N                              | 11519E       | 31.2 141.8   | GGGG                  |                     |                      | 130                   | 43                     |
| 2695-01541        | 00000/0000 2-20037/1117                        | 12/17/76         | 40          | 9682          | 2307N                              | 11457E       | 32.1 141.0   | GGGG                  |                     |                      | 130                   | 44                     |
| 2695-03302        | 00000/0000 2-20037/0004                        | 12/17/76         | 10          | 9683          | 4727N                              | 09659E       | 14.4 152.3   | GGFG                  |                     |                      | 148                   | 27                     |
| 2695-03304        | 00000/0000 2-20037/0005                        | 12/17/76         | 10          | 9683          | 4602N                              | 09623E       | 15.5 151.7   | GGFG                  |                     |                      | 148                   | 28                     |
| 2695-03311        | 00000/0000 2-20037/0006                        | 12/17/76         | 0           | 9683          | 4437N                              | 09549E       | 16.5 151.1   | GGGG                  |                     |                      | 148                   | 29                     |
| 2695-03313        | 00000/0000 2-20037/0007                        | 12/17/76         | 10          | 9683          | 4312N                              | 09516E       | 17.6 150.4   | GGGG                  |                     |                      | 148                   | 30                     |
| 2695-03320        | 00000/0000 2-20037/0008                        | 12/17/76         | 10          | 9683          | 4147N                              | 09445E       | 18.7 149.8   | GGGG                  |                     |                      | 148                   | 31                     |
| 2695-03322        | 00000/0000 2-20037/0009                        | 12/17/76         | 10          | 9683          | 4021N                              | 09415E       | 19.8 149.2   | FFGF                  |                     |                      | 148                   | 32                     |
| 2695-03325        | 00000/0000 2-20037/0010                        | 12/17/76         | 20          | 9683          | 3856N                              | 09346E       | 20.9 148.6   | FGGG                  |                     |                      | 148                   | 33                     |
| 2695-03331        | 00000/0000 2-20037/0011                        | 12/17/76         | 20          | 9683          | 3730N                              | 09318E       | 21.9 148.0   | FGGG                  |                     |                      | 148                   | 34                     |
| 2695-03334        | 00000/0000 2-20037/0012                        | 12/17/76         | 10          | 9683          | 3604N                              | 09251E       | 23.0 147.4   | GGGG                  |                     |                      | 148                   | 35                     |
| 2695-03340        | 00000/0000 2-20037/0013                        | 12/17/76         | 10          | 9683          | 3438N                              | 09225E       | 24.0 146.7   | FGGG                  |                     |                      | 148                   | 36                     |
| 2695-03343        | 00000/0000 2-20037/0014                        | 12/17/76         | 0           | 9683          | 3312N                              | 09159E       | 25.1 146.1   | GGGG                  |                     |                      | 148                   | 37                     |
| 2695-03345        | 00000/0000 2-20037/0015                        | 12/17/76         | 0           | 9683          | 3146N                              | 09133E       | 26.1 145.4   | GGGG                  |                     |                      | 148                   | 38                     |
| 2695-03352        | 00000/0000 2-20037/0016                        | 12/17/76         | 0           | 9683          | 3021N                              | 09108E       | 27.1 144.7   | GGGG                  |                     |                      | 148                   | 39                     |
| 2695-03354        | 00000/0000 2-20037/0017                        | 12/17/76         | 0           | 9683          | 2855N                              | 09044E       | 28.2 144.1   | GGGG                  |                     |                      | 148                   | 40                     |
| 2695-03361        | 00000/0000 2-20037/0018                        | 12/17/76         | 10          | 9683          | 2729N                              | 09019E       | 29.2 143.3   | GFGG                  |                     |                      | 148                   | 41                     |
| 2695-03363        | 00000/0000 2-20037/0019                        | 12/17/76         | 10          | 9683          | 2602N                              | 08955E       | 30.2 142.6   | GGGG                  |                     |                      | 148                   | 42                     |
| 2695-03370        | 00000/0000 2-20037/0020                        | 12/17/76         | 10          | 9683          | 2436N                              | 08932E       | 31.1 141.8   | FFGG                  |                     |                      | 148                   | 43                     |
| 2695-03372        | 00000/0000 2-20037/0001                        | 12/17/76         | 30          | 9683          | 2310N                              | 08909E       | 32.1 141.1   | G GG                  |                     |                      | 148                   | 44                     |
| 2695-03375        | 00000/0000 2-20037/0002                        | 12/17/76         | 40          | 9683          | 2143N                              | 08847E       | 33.1 140.2   | G GG                  |                     |                      | 148                   | 45                     |
| 2695-03381        | 00000/0000 2-20037/0021                        | 12/17/76         | 40          | 9683          | 2016N                              | 08825E       | 34.0 139.4   | GGF                   |                     |                      | 148                   | 46                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SBBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2695-03395        | 00000/0000                   | 2-20038/0022                | 12/17/76         | 80             | 9683            | 1470N                        | 08700E        | 37.6         | 135.8        | FGGF                               |                     |                      | 148                     | 50                     |
| 2695-05115        | 00000/0000                   | 2-20038/0023                | 12/17/76         | 70             | 9684            | 5307N                        | 07346E        | 9.9          | 154.8        | GGGG                               |                     |                      | 166                     | 23                     |
| 2695-05122        | 00000/0000                   | 2-20038/0024                | 12/17/76         | 40             | 9684            | 5142N                        | 07303E        | 11.1         | 154.1        | GGGG                               |                     |                      | 166                     | 24                     |
| 2695-05124        | 00000/0000                   | 2-20038/0025                | 12/17/76         | 10             | 9684            | 5017N                        | 07223E        | 12.2         | 153.5        | GGGG                               |                     |                      | 166                     | 25                     |
| 2695-05131        | 00000/0000                   | 2-20038/0026                | 12/17/76         | 20             | 9684            | 4851N                        | 07145E        | 13.3         | 152.9        | GGFG                               |                     |                      | 166                     | 26                     |
| 2695-05133        | 00000/0000                   | 2-20038/0027                | 12/17/76         | 70             | 9684            | 4707N                        | 07108E        | 14.4         | 152.3        | GGGG                               |                     |                      | 166                     | 27                     |
| 2695-05140        | 00000/0000                   | 2-20038/0028                | 12/17/76         | 80             | 9684            | 4602N                        | 07032E        | 15.5         | 151.6        | GGGG                               |                     |                      | 166                     | 28                     |
| 2695-05142        | 00000/0000                   | 2-20038/0029                | 12/17/76         | 100            | 9684            | 4438N                        | 06958E        | 16.5         | 151.0        | GFGG                               |                     |                      | 166                     | 29                     |
| 2695-05145        | 00000/0000                   | 2-20038/0030                | 12/17/76         | 50             | 9684            | 4312N                        | 06925E        | 17.6         | 150.4        | GGG                                |                     |                      | 166                     | 30                     |
| 2695-05151        | 00000/0000                   | 2-20038/0031                | 12/17/76         | 80             | 9684            | 4147N                        | 06854E        | 18.7         | 149.8        | GGFG                               |                     |                      | 166                     | 31                     |
| 2695-05154        | 00000/0000                   | 2-20038/0032                | 12/17/76         | 60             | 9684            | 4021N                        | 06824E        | 19.8         | 149.2        | GFGG                               |                     |                      | 166                     | 32                     |
| 2695-05160        | 00000/0000                   | 2-20038/0033                | 12/17/76         | 10             | 9684            | 3856N                        | 06755E        | 20.9         | 148.6        | G GG                               |                     |                      | 166                     | 33                     |
| 2695-05163        | 00000/0000                   | 2-20038/0033                | 12/17/76         | 60             | 9684            | 3730N                        | 06726E        | 21.9         | 148.0        | GGGG                               |                     |                      | 166                     | 34                     |
| 2695-05165        | 00000/0000                   | 2-20038/0034                | 12/17/76         | 10             | 9684            | 3604N                        | 06659E        | 23.0         | 147.4        | GFGG                               |                     |                      | 166                     | 35                     |
| 2695-05172        | 00000/0000                   | 2-20038/0035                | 12/17/76         | 0              | 9684            | 3438N                        | 06632E        | 24.0         | 146.7        | GGGG                               |                     |                      | 166                     | 36                     |
| 2695-05174        | 00000/0000                   | 2-20038/0036                | 12/17/76         | 0              | 9684            | 3312N                        | 06607E        | 25.1         | 146.1        | GGGG                               |                     |                      | 166                     | 37                     |
| 2695-05181        | 00000/0000                   | 2-20038/0037                | 12/17/76         | 0              | 9684            | 3145N                        | 06542E        | 26.1         | 145.4        | GGGG                               |                     |                      | 166                     | 38                     |
| 2695-05183        | 00000/0000                   | 2-20038/0038                | 12/17/76         | 0              | 9684            | 3020N                        | 06517E        | 27.1         | 144.7        | FGGG                               |                     |                      | 166                     | 39                     |
| 2695-05190        | 00000/0000                   | 2-20038/0039                | 12/17/76         | 0              | 9684            | 2854N                        | 06452E        | 28.2         | 144.0        | GGG                                |                     |                      | 166                     | 40                     |
| 2695-05192        | 00000/0000                   | 2-20038/0040                | 12/17/76         | 0              | 9684            | 2728N                        | 06428E        | 29.2         | 143.3        | GGGG                               |                     |                      | 166                     | 41                     |
| 2695-05195        | 00000/0000                   | 2-20038/0041                | 12/17/76         | 0              | 9684            | 2601N                        | 06405E        | 30.2         | 142.6        | GGGF                               |                     |                      | 166                     | 42                     |
| 2695-05201        | 00000/0000                   | 2-20038/0042                | 12/17/76         | 0              | 9684            | 2435N                        | 06342E        | 31.1         | 141.8        | FFFG                               |                     |                      | 166                     | 43                     |
| 2695-05204        | 00000/0000                   | 2-20038/0043                | 12/17/76         | 10             | 9684            | 2309N                        | 06320E        | 32.1         | 141.0        | FFFG                               |                     |                      | 166                     | 44                     |
| 2695-05210        | 00000/0000                   | 2-20038/0044                | 12/17/76         | 10             | 9684            | 2142N                        | 06258E        | 33.1         | 140.2        | FFGG                               |                     |                      | 166                     | 45                     |
| 2695-06553        | 00000/0000                   | 2-20037/1118                | 12/17/76         | 50             | 9685            | 5141N                        | 04715E        | 11.1         | 154.1        | GGGG                               |                     |                      | 184                     | 24                     |
| 2695-06560        | 00000/0000                   | 2-20037/1119                | 12/17/76         | 90             | 9685            | 5017N                        | 04634E        | 12.2         | 153.5        | GGGG                               |                     |                      | 184                     | 25                     |
| 2695-06562        | 00000/0000                   | 2-20037/1120                | 12/17/76         | 90             | 9685            | 4852N                        | 04555E        | 13.3         | 152.9        | GGGG                               |                     |                      | 184                     | 26                     |
| 2695-06565        | 00000/0000                   | 2-20037/1121                | 12/17/76         | 90             | 9685            | 4728N                        | 04519E        | 14.4         | 152.2        | GGGG                               |                     |                      | 184                     | 27                     |
| 2695-06571        | 00000/0000                   | 2-20037/1122                | 12/17/76         | 90             | 9685            | 4603N                        | 04444E        | 15.5         | 151.6        | GGGG                               |                     |                      | 184                     | 28                     |
| 2695-06574        | 00000/0000                   | 2-20037/1123                | 12/17/76         | 100            | 9685            | 4438N                        | 04411E        | 16.5         | 151.0        | GGGG                               |                     |                      | 184                     | 29                     |
| 2695-06580        | 00000/0000                   | 2-20037/1125                | 12/17/76         | 80             | 9685            | 4312N                        | 04338E        | 17.6         | 150.4        | G GG                               |                     |                      | 184                     | 30                     |
| 2695-13481        | 00000/0000                   | 2-20037/0998                | 12/17/76         | 30             | 9689            | 5307N                        | 05518W        | 9.9          | 154.7        | GGFG                               |                     |                      | 5                       | 23                     |
| 2695-13484        | 00000/0000                   | 2-20037/0999                | 12/17/76         | 90             | 9689            | 5142N                        | 05601W        | 11.0         | 154.1        | GGGG                               |                     |                      | 5                       | 24                     |
| 2695-13490        | 00000/0000                   | 2-20037/1000                | 12/17/76         | 100            | 9689            | 5018N                        | 05641W        | 12.1         | 153.5        | FGFG                               |                     |                      | 5                       | 25                     |
| 2695-13493        | 00000/0000                   | 2-20037/1001                | 12/17/76         | 100            | 9689            | 4853N                        | 05720W        | 13.2         | 152.8        | GGGG                               |                     |                      | 5                       | 26                     |
| 2695-13495        | 00000/0000                   | 2-20037/1002                | 12/17/76         | 100            | 9689            | 4728N                        | 05757W        | 14.3         | 152.2        | GGGG                               |                     |                      | 5                       | 27                     |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 23, 1977

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NO.<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2695-13502        | 00000/0000                           | 2-20037/1003               | 12/17/76         | 100            | 9689            | 4603N                        | 05832W        | 15.4         | 151.6        | GGGG                               |                     |                      | 5                       | 28                     |
| 2695-13504        | 00000/0000                           | 2-20037/1004               | 12/17/76         | 100            | 9689            | 4438N                        | 05906W        | 16.5         | 151.0        | GGGG                               |                     |                      | 5                       | 29                     |
| 2695-13511        | 00000/0000                           | 2-20037/1005               | 12/17/76         | 100            | 9689            | 4313N                        | 05938W        | 17.6         | 150.4        | GGGG                               |                     |                      | 5                       | 30                     |
| 2695-13513        | 00000/0000                           | 2-20037/1006               | 12/17/76         | 100            | 9689            | 4148N                        | 06009W        | 18.7         | 149.8        | GGGG                               |                     |                      | 5                       | 31                     |
| 2695-15322        | 00000/0000                           | 2-20037/0943               | 12/17/76         | 50             | 9690            | 5018N                        | 08233W        | 12.1         | 153.4        | GFGF                               |                     |                      | 23                      | 25                     |
| 2695-17144        | 00000/0000                           | 2-20037/1080               | 12/17/76         | 40             | 9691            | 5307N                        | 10658W        | 9.9          | 154.7        | GGG                                |                     |                      | 41                      | 23                     |
| 2695-17151        | 00000/0000                           | 2-20037/1081               | 12/17/76         | 30             | 9691            | 5143N                        | 10740W        | 11.0         | 154.1        | GFG                                |                     |                      | 41                      | 24                     |
| 2695-17153        | 00000/0000                           | 2-20037/1082               | 12/17/76         | 90             | 9691            | 50.2N                        | 10821W        | 12.1         | 153.4        | GGGG                               |                     |                      | 41                      | 25                     |
| 2695-17212        | 00000/0000                           | 2-20037/1083               | 12/17/76         | 10             | 9691            | 3020N                        | 11525W        | 27.1         | 144.7        | FGGG                               |                     |                      | 41                      | 39                     |
| 2695-17215        | 00000/0000                           | 2-20037/1086               | 12/17/76         | 20             | 9691            | 2854N                        | 11550W        | 28.1         | 144.0        | FG                                 |                     | H                    | 41                      | 40                     |
| 2695-17221        | 00000/0000                           | 2-20037/1084               | 12/17/76         | 20             | 9691            | 2728N                        | 11613W        | 29.1         | 143.3        | FFGG                               |                     | H                    | 41                      | 41                     |
| 2695-17224        | 00000/0000                           | 2-20037/1085               | 12/17/76         | 30             | 9691            | 2602N                        | 11636W        | 30.1         | 142.5        | FGGG                               |                     | H                    | 41                      | 42                     |
| 2695-21080        | 00000/0000                           | 2-20037/1008               | 12/17/76         | 90             | 9693            | 3850S                        | 17521E        | 47.7         | 82.7         | GGGG                               |                     |                      | 77                      | 87                     |
| 2696-01545        | 00000/0000                           | 2-20037/1009               | 12/18/76         | 0              | 9696            | 4021N                        | 11838E        | 19.7         | 149.1        | GGGG                               |                     |                      | 131                     | 32                     |
| 2696-01551        | 00000/0000                           | 2-20037/1010               | 12/18/76         | 10             | 9696            | 3856N                        | 11809E        | 20.8         | 148.5        | GGGG                               |                     |                      | 131                     | 33                     |
| 2696-01554        | 00000/0000                           | 2-20037/1011               | 12/18/76         | 30             | 9696            | 3730N                        | 11741E        | 21.9         | 147.9        | GGGG                               |                     |                      | 131                     | 34                     |
| 2696-01560        | 00000/0000                           | 2-20037/1007               | 12/18/76         | 90             | 9696            | 3604N                        | 11713E        | 22.9         | 147.3        | G GG                               |                     |                      | 131                     | 35                     |
| 2696-01563        | 00000/0000                           | 2-20037/1012               | 12/18/76         | 90             | 9696            | 3438N                        | 11645E        | 24.0         | 146.7        | GG G                               |                     |                      | 131                     | 36                     |
| 2696-01565        | 00000/0000                           | 2-20037/1013               | 12/18/76         | 90             | 9696            | 3312N                        | 11619E        | 25.0         | 146.0        | GGGG                               |                     |                      | 131                     | 37                     |
| 2696-01572        | 00000/0000                           | 2-20037/1014               | 12/18/76         | 90             | 9696            | 3146N                        | 11554E        | 26.0         | 145.3        | GGGG                               |                     |                      | 131                     | 38                     |
| 2696-01574        | 00000/0000                           | 2-20037/1015               | 12/18/76         | 90             | 9696            | 3019N                        | 11529E        | 27.1         | 144.7        | GGGG                               |                     |                      | 131                     | 39                     |
| 2696-01581        | 00000/0000                           | 2-20037/1016               | 12/18/76         | 100            | 9696            | 2853N                        | 11505E        | 28.1         | 144.0        | GGGG                               |                     |                      | 131                     | 40                     |
| 2696-01583        | 00000/0000                           | 2-20037/1017               | 12/18/76         | 90             | 9696            | 2727N                        | 11441E        | 29.1         | 143.2        | GGGG                               |                     |                      | 131                     | 41                     |
| 2696-01590        | 00000/0000                           | 2-20037/1018               | 12/18/76         | 90             | 9696            | 2601N                        | 11418E        | 30.1         | 142.5        | GGGG                               |                     |                      | 131                     | 42                     |
| 2696-01592        | 00000/0000                           | 2-20037/1019               | 12/18/76         | 90             | 9696            | 2445N                        | 11355E        | 31.0         | 141.7        | GGGG                               |                     |                      | 131                     | 43                     |
| 2696-01595        | 00000/0000                           | 2-20037/1020               | 12/18/76         | 50             | 9696            | 2309N                        | 11333E        | 32.0         | 141.0        | GGGG                               |                     |                      | 131                     | 44                     |
| 2696-03360        | 00000/0000                           | 2-20037/0045               | 12/18/76         | 90             | 9697            | 4727N                        | 09531E        | 14.3         | 152.1        | FGGG                               |                     |                      | 149                     | 27                     |
| 2696-03362        | 00000/0000                           | 2-20037/0046               | 12/18/76         | 50             | 9697            | 4602N                        | 09456E        | 15.4         | 151.5        | FFGG                               |                     |                      | 149                     | 28                     |
| 2696-03365        | 00000/0000                           | 2-20037/0047               | 12/18/76         | 20             | 9697            | 4436N                        | 09422E        | 16.5         | 150.9        | FGGG                               |                     |                      | 149                     | 29                     |
| 2696-03371        | 00000/0000                           | 2-20037/0048               | 12/18/76         | 20             | 9697            | 4311N                        | 09349E        | 17.6         | 150.3        | FGGG                               |                     |                      | 149                     | 30                     |
| 2696-03374        | 00000/0000                           | 2-20037/0049               | 12/18/76         | 10             | 9697            | 4145N                        | 09318E        | 18.6         | 149.7        | FGGG                               |                     |                      | 149                     | 31                     |
| 2696-03380        | 00000/0000                           | 2-20037/0050               | 12/18/76         | 0              | 9697            | 4020N                        | 09248E        | 19.7         | 149.1        | GGG                                |                     |                      | 149                     | 32                     |
| 2696-03383        | 00000/0000                           | 2-20037/0051               | 12/18/76         | 10             | 9697            | 3854N                        | 09219E        | 20.8         | 148.5        | FGGG                               |                     |                      | 149                     | 33                     |
| 2696-03385        | 00000/0000                           | 2-20037/0052               | 12/18/76         | 30             | 9697            | 3729N                        | 09151E        | 21.9         | 147.9        | FGGG                               |                     |                      | 149                     | 34                     |
| 2696-03392        | 00000/0000                           | 2-20037/0053               | 12/18/76         | 60             | 9697            | 3603N                        | 09123E        | 22.9         | 147.3        | GGGG                               |                     |                      | 149                     | 35                     |
| 2696-03394        | 00000/0000                           | 2-20037/0054               | 12/18/76         | 40             | 9697            | 3437N                        | 09057E        | 24.0         | 146.6        | GGGF                               |                     |                      | 149                     | 36                     |

KEYS: CLOUD COVER % ..... 0 TO 100 \* % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 28, 1977

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD COVER | SUNBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|-------------|------------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2696-03401        | 00000/0000                   | 2-2003R/0055                | 12/18/76         | 20          | 9697             | 3311N                              | 09030E                              | 25.0         | 146.0        | GGGG                               |                     |                      | 149                     | 37                     |
| 2696-03403        | 00000/0000                   | 2-2003R/0056                | 12/18/76         | 10          | 9697             | 3145N                              | 09005E                              | 26.0         | 145.3        | FGGG                               |                     |                      | 149                     | 38                     |
| 2696-03410        | 00000/0000                   | 2-2003R/0057                | 12/18/76         | 0           | 9697             | 3019N                              | 08940E                              | 27.1         | 144.6        | GGGG                               |                     |                      | 149                     | 39                     |
| 2696-03412        | 00000/0000                   | 2-2003R/0058                | 12/18/76         | 0           | 9697             | 2843N                              | 08915E                              | 28.1         | 143.9        | GGGG                               |                     |                      | 149                     | 40                     |
| 2696-03415        | 00000/0000                   | 2-2003R/0059                | 12/18/76         | 10          | 9697             | 2727N                              | 08852E                              | 29.1         | 143.2        | GGGG                               |                     |                      | 149                     | 41                     |
| 2696-03421        | 00000/0000                   | 2-2003R/0060                | 12/18/76         | 30          | 9697             | 2601N                              | 08828E                              | 30.1         | 142.5        | GGGG                               |                     |                      | 149                     | 42                     |
| 2696-03424        | 00000/0000                   | 2-2003R/0061                | 12/18/76         | 70          | 9697             | 2435N                              | 08806E                              | 31.0         | 141.7        | GGGG                               |                     |                      | 149                     | 43                     |
| 2696-03430        | 00000/0000                   | 2-2003R/0062                | 12/18/76         | 60          | 9697             | 2308N                              | 08744E                              | 32.0         | 141.0        | GGGG                               |                     |                      | 149                     | 44                     |
| 2696-03433        | 00000/0000                   | 2-2003R/0063                | 12/18/76         | 40          | 9697             | 2142N                              | 08721E                              | 33.0         | 140.2        | FGGG                               |                     |                      | 149                     | 45                     |
| 2696-03435        | 00000/0000                   | 2-2003R/0064                | 12/18/76         | 30          | 9697             | 2016N                              | 08659E                              | 33.9         | 139.3        | FGGG                               |                     |                      | 149                     | 46                     |
| 2696-03442        | 00000/0000                   | 2-2003R/0065                | 12/18/76         | 70          | 9697             | 1849N                              | 08638E                              | 34.8         | 138.5        | GFGG                               |                     |                      | 149                     | 47                     |
| 2696-03444        | 00000/0000                   | 2-2003R/0066                | 12/18/76         | 50          | 9697             | 1722N                              | 08616E                              | 35.8         | 137.6        | GFGG                               |                     |                      | 149                     | 48                     |
| 2696-03451        | 00000/0000                   | 2-2003R/0067                | 12/18/76         | 30          | 9697             | 1555N                              | 08555E                              | 36.7         | 136.7        | GGGG                               |                     |                      | 149                     | 49                     |
| 2696-03453        | 00000/0000                   | 2-2003R/0068                | 12/18/76         | 60          | 9697             | 1428N                              | 08534E                              | 37.5         | 135.7        | GGGG                               |                     |                      | 149                     | 50                     |
| 2696-05173        | 00000/0000                   | 2-2003R/0069                | 12/18/76         | 90          | 9698             | 5345N                              | 07220E                              | 9.9          | 154.7        | GGGF                               |                     |                      | 167                     | 23                     |
| 2696-05180        | 00000/0000                   | 2-2003R/0070                | 12/18/76         | 90          | 9698             | 5141N                              | 07138E                              | 11.0         | 154.0        | GGGF                               |                     |                      | 167                     | 24                     |
| 2696-05182        | 00000/0000                   | 2-2003R/0071                | 12/18/76         | 30          | 9698             | 5016N                              | 07057E                              | 12.1         | 153.4        | GGGG                               |                     |                      | 167                     | 25                     |
| 2696-05185        | 00000/0000                   | 2-2003R/0072                | 12/18/76         | 20          | 9698             | 4852N                              | 07019E                              | 13.2         | 152.8        | GGGG                               |                     |                      | 167                     | 26                     |
| 2696-05191        | 00000/0000                   | 2-2003R/0073                | 12/18/76         | 50          | 9698             | 4727N                              | 06942E                              | 14.3         | 152.1        | GGFG                               |                     |                      | 167                     | 27                     |
| 2696-05194        | 00000/0000                   | 2-2003R/0074                | 12/18/76         | 100         | 9698             | 4602N                              | 06907E                              | 15.4         | 151.5        | GGGG                               |                     |                      | 167                     | 28                     |
| 2696-05200        | 00000/0000                   | 2-2003R/0075                | 12/18/76         | 100         | 9698             | 4474N                              | 06833E                              | 16.5         | 150.9        | GGGG                               |                     |                      | 167                     | 29                     |
| 2696-05203        | 00000/0000                   | 2-2003R/0076                | 12/18/76         | 90          | 9698             | 4311N                              | 06801E                              | 17.6         | 150.3        | FFFF                               |                     |                      | 167                     | 30                     |
| 2696-05205        | 00000/0000                   | 2-2003R/0077                | 12/18/76         | 90          | 9698             | 4146N                              | 06730E                              | 18.6         | 149.7        | GGGG                               |                     |                      | 167                     | 31                     |
| 2696-05212        | 00000/0000                   | 2-2003R/0078                | 12/18/76         | 40          | 9698             | 4020N                              | 06659E                              | 19.7         | 149.1        | FFFF                               |                     |                      | 167                     | 32                     |
| 2696-05214        | 00000/0000                   | 2-2003R/0079                | 12/18/76         | 70          | 9698             | 3855N                              | 06630E                              | 20.8         | 148.5        | FGGG                               |                     |                      | 167                     | 33                     |
| 2696-05221        | 00000/0000                   | 2-2003R/0080                | 12/18/76         | 20          | 9698             | 3729N                              | 06601E                              | 21.9         | 147.9        | GGFG                               |                     |                      | 167                     | 34                     |
| 2696-05223        | 00000/0000                   | 2-2003R/0081                | 12/18/76         | 10          | 9698             | 3603N                              | 06534E                              | 22.9         | 147.3        | GGFG                               |                     |                      | 167                     | 35                     |
| 2696-05230        | 00000/0000                   | 2-2003R/0082                | 12/18/76         | 0           | 9698             | 3474N                              | 06507E                              | 24.0         | 146.6        | GGGG                               |                     |                      | 167                     | 36                     |
| 2696-05232        | 00000/0000                   | 2-2003R/0083                | 12/18/76         | 0           | 9698             | 3311N                              | 06441E                              | 25.0         | 146.0        | GGGG                               |                     |                      | 167                     | 37                     |
| 2696-05235        | 00000/0000                   | 2-2003R/0084                | 12/18/76         | 0           | 9698             | 3145N                              | 06415E                              | 26.0         | 145.3        | GGGG                               |                     |                      | 167                     | 38                     |
| 2696-05241        | 00000/0000                   | 2-2003R/0085                | 12/18/76         | 10          | 9698             | 3019N                              | 06351E                              | 27.1         | 144.6        | GGGG                               |                     |                      | 167                     | 39                     |
| 2696-05244        | 00000/0000                   | 2-2003R/0086                | 12/18/76         | 10          | 9698             | 2843N                              | 06327E                              | 28.1         | 143.9        | GGGG                               |                     |                      | 167                     | 40                     |
| 2696-05250        | 00000/0000                   | 2-2003R/0087                | 12/18/76         | 10          | 9698             | 2727N                              | 06303E                              | 29.1         | 143.2        | FGGG                               |                     |                      | 167                     | 41                     |
| 2696-05253        | 00000/0000                   | 2-2003R/0088                | 12/18/76         | 10          | 9698             | 2600N                              | 06239E                              | 30.1         | 142.5        | GGGG                               |                     |                      | 167                     | 42                     |
| 2696-05255        | 00000/0000                   | 2-2003R/0089                | 12/18/76         | 20          | 9698             | 2434N                              | 06217E                              | 31.0         | 141.7        | PFFF                               |                     |                      | 167                     | 43                     |
| 2696-05262        | 00000/0000                   | 2-2003R/0090                | 12/18/76         | 80          | 9698             | 2308N                              | 06155E                              | 32.0         | 140.9        | GGFF                               |                     |                      | 167                     | 44                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM POSITION IN REEL | REEL NO. / MSS | DATE ACQUIRED | CLOUD COVER | SAT NUMBER | PRINCIPAL PRINT   | SUN ELEV. | SUN AZIM. | IMAGE QUAL | MSS DATA | MSS IMAGE | ORBIT PATH | FRAME ROW |
|----------------|----------------------------|----------------|---------------|-------------|------------|-------------------|-----------|-----------|------------|----------|-----------|------------|-----------|
|                | SBV                        |                |               |             |            | 8F IMAGE LAT LONG |           |           | 123 45678  | MODE     | GAIN      | NUMBER     | NUMBER    |
| 2696-07021     | 00000/0000                 | 2-20037/1062   | 12/18/76      | 80          | 9699       | 4852N 04429E      | 13.2      | 152.7     | FGG        |          |           | 185        | 26        |
| 2696-07023     | 00000/0000                 | 2-20037/1063   | 12/18/76      | 100         | 9699       | 4777N 04352E      | 14.3      | 152.1     | GGGG       |          |           | 185        | 27        |
| 2696-07030     | 00000/0000                 | 2-20037/1064   | 12/18/76      | 90          | 9699       | 4601N 04317E      | 15.4      | 151.5     | GGGG       |          |           | 185        | 28        |
| 2696-07032     | 00000/0000                 | 2-20037/1065   | 12/18/76      | 60          | 9699       | 4436N 04244E      | 16.5      | 150.9     | FGGG       |          |           | 185        | 29        |
| 2696-07035     | 00000/0000                 | 2-20037/1066   | 12/18/76      | 10          | 9699       | 4311N 04211E      | 17.6      | 150.3     | GGFG       |          |           | 185        | 30        |
| 2696-07041     | 00000/0000                 | 2-20037/1067   | 12/18/76      | 0           | 9699       | 4146N 04140E      | 18.6      | 149.7     | GGFF       |          |           | 185        | 31        |
| 2696-13535     | 00000/0000                 | 2-20037/0944   | 12/18/76      | 90          | 9703       | 5307N 05644W      | 9.9       | 154.6     | GGGG       |          |           | 6          | 23        |
| 2696-13542     | 00000/0000                 | 2-20037/0945   | 12/18/76      | 80          | 9703       | 5142N 05727W      | 11.0      | 154.0     | GGGG       |          |           | 6          | 24        |
| 2696-13544     | 00000/0000                 | 2-20037/0946   | 12/18/76      | 80          | 9703       | 5017N 05808W      | 12.1      | 153.3     | GGGG       |          |           | 6          | 25        |
| 2696-13551     | 00000/0000                 | 2-20037/0947   | 12/18/76      | 80          | 9703       | 4853N 05846W      | 13.2      | 152.7     | GGGG       |          |           | 6          | 26        |
| 2696-13553     | 00000/0000                 | 2-20037/0948   | 12/18/76      | 90          | 9703       | 4728N 05922W      | 14.3      | 152.1     | GGGG       |          |           | 6          | 27        |
| 2696-13560     | 00000/0000                 | 2-20037/0949   | 12/18/76      | 90          | 9703       | 4603N 05958W      | 15.4      | 151.5     | GGGG       |          |           | 6          | 28        |
| 2696-13562     | 00000/0000                 | 2-20037/0950   | 12/18/76      | 90          | 9703       | 4437N 06031W      | 16.4      | 150.9     | GGGG       |          |           | 6          | 29        |
| 2696-13565     | 00000/0000                 | 2-20037/0951   | 12/18/76      | 90          | 9703       | 4312N 06104W      | 17.5      | 150.3     | GGGG       |          |           | 6          | 30        |
| 2696-13571     | 00000/0000                 | 2-20037/0952   | 12/18/76      | 80          | 9703       | 4147N 06135W      | 18.6      | 149.7     | GGGG       |          |           | 6          | 31        |
| 2696-17212     | 00000/0000                 | 2-20037/1096   | 12/18/76      | 60          | 9705       | 5017N 10947W      | 12.1      | 153.3     | GGGG       |          |           | 42         | 25        |
| 2696-21145     | 00000/0000                 | 2-20037/1021   | 12/18/76      | 100         | 9707       | 4305S 17224E      | 46.0      | 79.3      | GGGG       |          |           | 78         | 50        |
| 2696-21152     | 00000/0000                 | 2-20037/1022   | 12/18/76      | 100         | 9707       | 4430S 17152E      | 45.4      | 78.2      | GGGG       |          |           | 78         | 51        |
| 2696-21154     | 00000/0000                 | 2-20037/1023   | 12/18/76      | 100         | 9707       | 4555S 17118E      | 44.8      | 77.2      | GGGG       |          |           | 78         | 52        |
| 2696-22545     | 00000/0000                 | 2-20037/1024   | 12/18/76      | 0           | 9708       | 3142S 15021E      | 49.4      | 89.8      | GGGG       |          |           | 56         | 82        |
| 2697-02003     | 00000/0000                 | 2-20037/1025   | 12/19/76      | 10          | 9710       | 4020N 11712E      | 19.7      | 149.0     | GGGG       |          |           | 132        | 32        |
| 2697-02005     | 00000/0000                 | 2-20037/1026   | 12/19/76      | 10          | 9710       | 3855N 11643E      | 20.7      | 148.4     | GGGG       |          |           | 132        | 33        |
| 2697-02012     | 00000/0000                 | 2-20037/1027   | 12/19/76      | 80          | 9710       | 3729N 11614E      | 21.8      | 147.8     | GGGG       |          |           | 132        | 34        |
| 2697-02014     | 00000/0000                 | 2-20037/1028   | 12/19/76      | 70          | 9710       | 3602N 11546E      | 22.8      | 147.2     | GGGG       |          |           | 132        | 35        |
| 2697-02021     | 00000/0000                 | 2-20037/1029   | 12/19/76      | 80          | 9710       | 3437N 11520E      | 23.9      | 146.5     | GGGG       |          |           | 132        | 36        |
| 2697-02023     | 00000/0000                 | 2-20037/1030   | 12/19/76      | 90          | 9710       | 3311N 11454E      | 24.9      | 145.9     | GGGG       |          |           | 132        | 37        |
| 2697-02030     | 00000/0000                 | 2-20037/1031   | 12/19/76      | 100         | 9710       | 3145N 11429E      | 26.0      | 145.2     | GGGG       |          |           | 132        | 38        |
| 2697-02032     | 00000/0000                 | 2-20037/1032   | 12/19/76      | 100         | 9710       | 3020N 11404E      | 27.0      | 144.6     | GGG        |          |           | 132        | 39        |
| 2697-02035     | 00000/0000                 | 2-20037/1033   | 12/19/76      | 100         | 9710       | 2854N 11340E      | 28.0      | 143.9     | GGGG       |          |           | 132        | 40        |
| 2697-02041     | 00000/0000                 | 2-20037/1034   | 12/19/76      | 100         | 9710       | 2727N 11316E      | 29.0      | 143.1     | GGGG       |          |           | 132        | 41        |
| 2697-02044     | 00000/0000                 | 2-20037/1035   | 12/19/76      | 90          | 9710       | 2601N 11253E      | 30.0      | 142.4     | GGGG       |          |           | 132        | 42        |
| 2697-02050     | 00000/0000                 | 2-20037/1036   | 12/19/76      | 90          | 9710       | 2435N 11230E      | 31.0      | 141.6     | GGGG       |          |           | 132        | 43        |
| 2697-02053     | 00000/0000                 | 2-20037/1037   | 12/19/76      | 90          | 9710       | 2308N 11207E      | 31.9      | 140.9     | GGGG       |          |           | 132        | 44        |
| 2697-02055     | 00000/0000                 | 2-20037/1038   | 12/19/76      | 50          | 9710       | 2142N 11145E      | 32.9      | 140.1     | GGGG       |          |           | 132        | 45        |
| 2697-03412     | 00000/0000                 | 2-20037/0279   | 12/19/76      | 80          | 9711       | 4852N 09443E      | 13.1      | 152.6     | GGFF       |          |           | 150        | 26        |
| 2697-03414     | 00000/0000                 | 2-20037/0280   | 12/19/76      | 70          | 9711       | 4727N 09406E      | 14.2      | 152.0     | GGGG       |          |           | 150        | 27        |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 177

LANDSAT-2  
OBSERVATION ID LISTING  
FOR N9N-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2697-03421        | 00000/0000                   | 2-20038/0281                | 12/19/76         | 60             | 9711                   | 4601N                        | 09331E        | 15.3         | 151.4        | GGGG                               |                     |                      | 150                     | 28                     |
| 2697-03423        | 00000/0000                   | 2-20038/0282                | 12/19/76         | 60             | 9711                   | 4436N                        | 09257E        | 16.4         | 150.8        | FFGF                               |                     |                      | 150                     | 29                     |
| 2697-03430        | 00000/0000                   | 2-20038/0283                | 12/19/76         | 30             | 9711                   | 4310N                        | 09224E        | 17.5         | 150.2        | FFFF                               |                     |                      | 150                     | 30                     |
| 2697-03432        | 00000/0000                   | 2-20038/0284                | 12/19/76         | 80             | 9711                   | 4145N                        | 09153E        | 18.6         | 149.6        | FFGF                               |                     |                      | 150                     | 31                     |
| 2697-03435        | 00000/0000                   | 2-20038/0285                | 12/19/76         | 0              | 9711                   | 4019N                        | 09123E        | 19.7         | 149.0        | FGGG                               |                     |                      | 150                     | 32                     |
| 2697-03441        | 00000/0000                   | 2-20038/0286                | 12/19/76         | 0              | 9711                   | 3854N                        | 09054E        | 20.7         | 148.4        | FGGG                               |                     |                      | 150                     | 33                     |
| 2697-03444        | 00000/0000                   | 2-20038/0287                | 12/19/76         | 10             | 9711                   | 3729N                        | 09026E        | 21.8         | 147.8        | GGGG                               |                     |                      | 150                     | 34                     |
| 2697-03450        | 00000/0000                   | 2-20038/0288                | 12/19/76         | 0              | 9711                   | 3603N                        | 08958E        | 22.8         | 147.2        | GGGG                               |                     |                      | 150                     | 35                     |
| 2697-03453        | 00000/0000                   | 2-20038/0289                | 12/19/76         | 0              | 9711                   | 3477N                        | 08931E        | 23.9         | 146.5        | GGGG                               |                     |                      | 150                     | 36                     |
| 2697-03455        | 00000/0000                   | 2-20038/0290                | 12/19/76         | 0              | 9711                   | 3311N                        | 08905E        | 24.9         | 145.9        | GGGG                               |                     |                      | 150                     | 37                     |
| 2697-03462        | 00000/0000                   | 2-20038/0291                | 12/19/76         | 0              | 9711                   | 3145N                        | 08839E        | 26.0         | 145.2        | GGGG                               |                     |                      | 150                     | 38                     |
| 2697-03464        | 00000/0000                   | 2-20038/0292                | 12/19/76         | 0              | 9711                   | 3019N                        | 08814E        | 27.0         | 144.5        | GGGG                               |                     |                      | 150                     | 39                     |
| 2697-03471        | 00000/0000                   | 2-20038/0293                | 12/19/76         | 0              | 9711                   | 2852N                        | 08750E        | 28.0         | 143.8        | FGGG                               |                     |                      | 150                     | 40                     |
| 2697-03473        | 00000/0000                   | 2-20038/0294                | 12/19/76         | 0              | 9711                   | 2726N                        | 08726E        | 29.0         | 143.1        | FGGG                               |                     |                      | 150                     | 41                     |
| 2697-03480        | 00000/0000                   | 2-20038/0295                | 12/19/76         | 0              | 9711                   | 2600N                        | 08703E        | 30.0         | 142.4        | FGGG                               |                     |                      | 150                     | 42                     |
| 2697-03482        | 00000/0000                   | 2-20038/0296                | 12/19/76         | 0              | 9711                   | 2473N                        | 08640E        | 31.0         | 141.6        | GGGG                               |                     |                      | 150                     | 43                     |
| 2697-03485        | 00000/0000                   | 2-20038/0297                | 12/19/76         | 0              | 9711                   | 2307N                        | 08618E        | 31.9         | 140.9        | FGGG                               |                     |                      | 150                     | 44                     |
| 2697-03491        | 00000/0000                   | 2-20038/0298                | 12/19/76         | 0              | 9711                   | 2141N                        | 08556E        | 32.9         | 140.1        | FGFF                               |                     |                      | 150                     | 45                     |
| 2697-03494        | 00000/0000                   | 2-20038/0299                | 12/19/76         | 0              | 9711                   | 2014N                        | 08534E        | 33.8         | 139.2        | FGGG                               |                     |                      | 150                     | 46                     |
| 2697-03500        | 00000/0000                   | 2-20038/0300                | 12/19/76         | 10             | 9711                   | 1848N                        | 08513E        | 34.8         | 138.4        | FFFF                               |                     |                      | 150                     | 47                     |
| 2697-03503        | 00000/0000                   | 2-20038/0301                | 12/19/76         | 40             | 9711                   | 1721N                        | 08451E        | 35.7         | 137.5        | GGGF                               |                     |                      | 150                     | 48                     |
| 2697-03505        | 00000/0000                   | 2-20038/0302                | 12/19/76         | 50             | 9711                   | 1554N                        | 08430E        | 36.6         | 136.6        | GGGG                               |                     |                      | 150                     | 49                     |
| 2697-03512        | 00000/0000                   | 2-20038/0303                | 12/19/76         | 50             | 9711                   | 1427N                        | 08409E        | 37.4         | 135.6        | GGGF                               |                     |                      | 150                     | 50                     |
| 2697-03514        | 00000/0000                   | 2-20038/0304                | 12/19/76         | 60             | 9711                   | 1301N                        | 08348E        | 38.3         | 134.6        | GGGF                               |                     |                      | 150                     | 51                     |
| 2697-03523        | 00000/0000                   | 2-20038/0305                | 12/19/76         | 90             | 9712                   | 5305N                        | 07054E        | 9.8          | 154.6        | PPFF                               |                     |                      | 168                     | 23                     |
| 2697-03524        | 00000/0000                   | 2-20038/0306                | 12/19/76         | 90             | 9712                   | 5141N                        | 07012E        | 10.9         | 153.9        | PPFF                               |                     |                      | 168                     | 24                     |
| 2697-035241       | 00000/0000                   | 2-20038/0307                | 12/19/76         | 70             | 9712                   | 5016N                        | 06931E        | 12.0         | 153.3        | FGFF                               |                     |                      | 168                     | 25                     |
| 2697-035243       | 00000/0000                   | 2-20038/0308                | 12/19/76         | 80             | 9712                   | 4850N                        | 06853E        | 13.1         | 152.6        | FFFF                               |                     |                      | 168                     | 26                     |
| 2697-035250       | 00000/0000                   | 2-20038/0309                | 12/19/76         | 30             | 9712                   | 4726N                        | 06816E        | 14.2         | 152.0        | FFFF                               |                     |                      | 168                     | 27                     |
| 2697-035252       | 00000/0000                   | 2-20038/0310                | 12/19/76         | 90             | 9712                   | 4601N                        | 06741E        | 15.3         | 151.4        | PPFF                               |                     |                      | 168                     | 28                     |
| 2697-035255       | 00000/0000                   | 2-20038/0311                | 12/19/76         | 100            | 9712                   | 4436N                        | 06707E        | 16.4         | 150.8        | FFFF                               |                     |                      | 168                     | 29                     |
| 2697-035261       | 00000/0000                   | 2-20038/0312                | 12/19/76         | 100            | 9712                   | 4310N                        | 06634E        | 17.5         | 150.2        | FFFF                               |                     |                      | 168                     | 30                     |
| 2697-035264       | 00000/0000                   | 2-20038/0313                | 12/19/76         | 90             | 9712                   | 4145N                        | 06603E        | 18.6         | 149.6        | FGGG                               |                     |                      | 168                     | 31                     |
| 2697-035270       | 00000/0000                   | 2-20038/0314                | 12/19/76         | 90             | 9712                   | 4020N                        | 06532E        | 19.7         | 149.0        | FFFF                               |                     |                      | 168                     | 32                     |
| 2697-035273       | 00000/0000                   | 2-20038/0315                | 12/19/76         | 100            | 9712                   | 3854N                        | 06503E        | 20.7         | 148.4        | FFFF                               |                     |                      | 168                     | 33                     |
| 2697-035275       | 00000/0000                   | 2-20038/0316                | 12/19/76         | 90             | 9712                   | 3727N                        | 06434E        | 21.8         | 147.8        | GFFF                               |                     |                      | 168                     | 34                     |

KEYS: CLOUD COVER ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RB | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-----------------------------------------------|------------------|----------------|------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2697-05282        | 00000/0000                                    | 2-20038/0317     | 12/19/76       | 80               | 9712                         | 3602N         | 06407E       | 22.8         | 147.2                              | GGGG                |                      | 168                     | 35                     |
| 2697-05284        | 00000/0000                                    | 2-20038/0318     | 12/19/76       | 60               | 9712                         | 3436N         | 06340E       | 23.9         | 146.5                              | GGGG                |                      | 168                     | 36                     |
| 2697-05291        | 00000/0000                                    | 2-20038/0319     | 12/19/76       | 30               | 9712                         | 3310N         | 06314E       | 24.9         | 145.9                              | FGGG                |                      | 168                     | 37                     |
| 2697-05293        | 00000/0000                                    | 2-20038/0320     | 12/19/76       | 10               | 9712                         | 3144N         | 06249E       | 26.0         | 145.2                              | FGGG                |                      | 168                     | 38                     |
| 2697-05300        | 00000/0000                                    | 2-20038/0321     | 12/19/76       | 10               | 9712                         | 3018N         | 06225E       | 27.0         | 144.5                              | FFFF                |                      | 168                     | 39                     |
| 2697-05302        | 00000/0000                                    | 2-20038/0322     | 12/19/76       | 30               | 9712                         | 2852N         | 06201E       | 28.0         | 143.8                              | FFFF                |                      | 168                     | 40                     |
| 2697-05305        | 00000/0000                                    | 2-20038/0323     | 12/19/76       | 30               | 9712                         | 2726N         | 06137E       | 29.0         | 143.1                              | FGGF                |                      | 168                     | 41                     |
| 2697-05311        | 00000/0000                                    | 2-20038/0324     | 12/19/76       | 10               | 9712                         | 2600N         | 06113E       | 30.0         | 142.4                              | PPPP                |                      | 168                     | 42                     |
| 2697-05314        | 00000/0000                                    | 2-20038/0325     | 12/19/76       | 10               | 9712                         | 2433N         | 06050E       | 31.0         | 141.6                              | FFFF                |                      | 168                     | 43                     |
| 2697-07063        | 00000/0000                                    | 2-20037/1054     | 12/19/76       | 90               | 9713                         | 5304N         | 04506E       | 9.8          | 154.5                              | GGGG                |                      | 186                     | 23                     |
| 2697-07070        | 00000/0000                                    | 2-20037/1055     | 12/19/76       | 100              | 9713                         | 5140N         | 04423E       | 10.9         | 153.9                              | GGGG                |                      | 186                     | 24                     |
| 2697-07072        | 00000/0000                                    | 2-20037/1056     | 12/19/76       | 90               | 9713                         | 5016N         | 04342E       | 12.0         | 153.2                              | GGGG                |                      | 186                     | 25                     |
| 2697-07075        | 00000/0000                                    | 2-20037/1057     | 12/19/76       | 90               | 9713                         | 4851N         | 04303E       | 13.1         | 152.6                              | GGGG                |                      | 186                     | 26                     |
| 2697-07081        | 00000/0000                                    | 2-20037/1058     | 12/19/76       | 100              | 9713                         | 4726N         | 04227E       | 14.2         | 152.0                              | GGGG                |                      | 186                     | 27                     |
| 2697-07084        | 00000/0000                                    | 2-20037/1059     | 12/19/76       | 80               | 9713                         | 4601N         | 04152E       | 15.3         | 151.4                              | GGGG                |                      | 186                     | 28                     |
| 2697-07090        | 00000/0000                                    | 2-20037/1060     | 12/19/76       | 20               | 9713                         | 4436N         | 04118E       | 16.4         | 150.8                              | GGGG                |                      | 186                     | 29                     |
| 2697-12423        | 00000/0000                                    | 2-20037/1039     | 12/19/76       | 100              | 9716                         | 3725S         | 05759W       | 48.0         | 84.2                               | GGGG                |                      | 240                     | 46                     |
| 2697-12430        | 00000/0000                                    | 2-20037/1040     | 12/19/76       | 100              | 9716                         | 3851S         | 05828W       | 47.5         | 82.9                               | GGGG                |                      | 240                     | 47                     |
| 2697-14000        | 00000/0000                                    | 2-20037/1097     | 12/19/76       | 60               | 9717                         | 5142N         | 05853W       | 10.9         | 153.9                              | GGGG                |                      | 7                       | 24                     |
| 2697-14003        | 00000/0000                                    | 2-20037/1098     | 12/19/76       | 60               | 9717                         | 5018N         | 05934W       | 12.0         | 153.2                              | GGGG                |                      | 7                       | 25                     |
| 2697-14005        | 00000/0000                                    | 2-20037/1099     | 12/19/76       | 30               | 9717                         | 4853N         | 06012W       | 13.1         | 152.6                              | GGGG                |                      | 7                       | 26                     |
| 2697-14012        | 00000/0000                                    | 2-20037/1100     | 12/19/76       | 90               | 9717                         | 4727N         | 06049W       | 14.2         | 152.0                              | GGGG                |                      | 7                       | 27                     |
| 2697-14014        | 00000/0000                                    | 2-20037/1101     | 12/19/76       | 70               | 9717                         | 4602N         | 06125W       | 15.3         | 151.4                              | GGGG                |                      | 7                       | 28                     |
| 2697-14021        | 00000/0000                                    | 2-20037/1102     | 12/19/76       | 40               | 9717                         | 4437N         | 06159W       | 16.4         | 150.8                              | GGGG                |                      | 7                       | 29                     |
| 2697-14023        | 00000/0000                                    | 2-20037/1103     | 12/19/76       | 50               | 9717                         | 4311N         | 06231W       | 17.5         | 150.2                              | GGGG                |                      | 7                       | 30                     |
| 2697-14030        | 00000/0000                                    | 2-20037/1104     | 12/19/76       | 60               | 9717                         | 4146N         | 06302W       | 18.5         | 149.6                              | GGGG                |                      | 7                       | 31                     |
| 2698-02055        | 00000/0000                                    | 2-20037/1041     | 12/20/76       | 0                | 9724                         | 4144N         | 11614E       | 18.5         | 149.5                              | GGGG                |                      | 133                     | 31                     |
| 2698-02061        | 00000/0000                                    | 2-20037/1042     | 12/20/76       | 10               | 9724                         | 4019N         | 11544E       | 19.6         | 148.9                              | GGGG                |                      | 133                     | 32                     |
| 2698-02064        | 00000/0000                                    | 2-20037/1043     | 12/20/76       | 0                | 9724                         | 3853N         | 11514E       | 20.7         | 148.3                              | GGGG                |                      | 133                     | 33                     |
| 2698-02082        | 00000/0000                                    | 2-20037/1044     | 12/20/76       | 0                | 9724                         | 3312N         | 11326E       | 24.8         | 145.8                              | GGGG                |                      | 133                     | 37                     |
| 2698-02084        | 00000/0000                                    | 2-20037/1045     | 12/20/76       | 20               | 9724                         | 3146N         | 11301E       | 25.9         | 145.1                              | GGGG                |                      | 133                     | 38                     |
| 2698-02091        | 00000/0000                                    | 2-20037/1046     | 12/20/76       | 20               | 9724                         | 3019N         | 11236E       | 26.9         | 144.4                              | GGGG                |                      | 133                     | 39                     |
| 2698-02093        | 00000/0000                                    | 2-20037/1047     | 12/20/76       | 10               | 9724                         | 2853N         | 11212E       | 27.9         | 143.7                              | GGGG                |                      | 133                     | 40                     |
| 2698-02100        | 00000/0000                                    | 2-20037/1048     | 12/20/76       | 80               | 9724                         | 2726N         | 11148E       | 28.9         | 143.0                              | GGGG                |                      | 133                     | 41                     |
| 2698-02102        | 00000/0000                                    | 2-20037/1049     | 12/20/76       | 100              | 9724                         | 2600N         | 11125E       | 29.9         | 142.3                              | GGGG                |                      | 133                     | 42                     |
| 2698-02105        | 00000/0000                                    | 2-20037/1050     | 12/20/76       | 90               | 9724                         | 2433N         | 11103E       | 30.9         | 141.5                              | GGGG                |                      | 133                     | 43                     |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODF..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>SF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2698-02111        | 00000/0000                   | 2-20037/1051                | 12/20/76         | 70             | 9724            | 2307N 11040E                            | 31.8         | 140.8        | GGGG                               |                     |                      | 133                     | 44                     |
| 2698-02114        | 00000/0000                   | 2-20037/1052                | 12/20/76         | 60             | 9724            | 2140N 11017E                            | 32.8         | 140.0        | GGGG                               |                     |                      | 133                     | 45                     |
| 2698-02120        | 00000/0000                   | 2-20037/1053                | 12/20/76         | 80             | 9724            | 2014N 10955E                            | 33.7         | 139.1        | GGGG                               |                     |                      | 133                     | 46                     |
| 2698-03470        | 00000/0000                   | 2-20037/1181                | 12/20/76         | 70             | 9725            | 4850N 09315E                            | 13.1         | 152.5        | G                                  |                     |                      | 151                     | 26                     |
| 2698-03472        | 00000/0000                   | 2-20037/1182                | 12/20/76         | 40             | 9725            | 4725N 09238E                            | 14.2         | 151.9        | FGGG                               |                     |                      | 151                     | 27                     |
| 2698-03475        | 00000/0000                   | 2-20037/1183                | 12/20/76         | 70             | 9725            | 4600N 09203E                            | 15.3         | 151.3        | GGGG                               |                     |                      | 151                     | 28                     |
| 2698-03481        | 00000/0000                   | 2-20037/1184                | 12/20/76         | 100            | 9725            | 4435N 09129E                            | 16.4         | 150.7        | GGGG                               |                     |                      | 151                     | 29                     |
| 2698-03484        | 00000/0000                   | 2-20037/1185                | 12/20/76         | 100            | 9725            | 4310N 09057E                            | 17.4         | 150.1        | FGGG                               |                     |                      | 151                     | 30                     |
| 2698-03490        | 00000/0000                   | 2-20037/1186                | 12/20/76         | 90             | 9725            | 4144N 09026E                            | 18.5         | 149.5        | GGGG                               |                     |                      | 151                     | 31                     |
| 2698-03493        | 00000/0000                   | 2-20037/1187                | 12/20/76         | 90             | 9725            | 4019N 08956E                            | 19.6         | 148.9        | GGGG                               |                     |                      | 151                     | 32                     |
| 2698-03495        | 00000/0000                   | 2-20037/1188                | 12/20/76         | 50             | 9725            | 3853N 08926E                            | 20.7         | 148.3        | GGGG                               |                     |                      | 151                     | 33                     |
| 2698-03502        | 00000/0000                   | 2-20037/1189                | 12/20/76         | 20             | 9725            | 3728N 08858E                            | 21.7         | 147.7        | GGGG                               |                     |                      | 151                     | 34                     |
| 2698-03504        | 00000/0000                   | 2-20037/1190                | 12/20/76         | 10             | 9725            | 3602N 08831E                            | 22.8         | 147.1        | GGGG                               |                     |                      | 151                     | 35                     |
| 2698-03511        | 00000/0000                   | 2-20037/1191                | 12/20/76         | 10             | 9725            | 3437N 08804E                            | 23.8         | 146.4        | GGGG                               |                     |                      | 151                     | 36                     |
| 2698-03513        | 00000/0000                   | 2-20037/1192                | 12/20/76         | 10             | 9725            | 3310N 08738E                            | 24.9         | 145.8        | GGGG                               |                     |                      | 151                     | 37                     |
| 2698-03520        | 00000/0000                   | 2-20037/1193                | 12/20/76         | 10             | 9725            | 3144N 08712E                            | 25.9         | 145.1        | GGGG                               |                     |                      | 151                     | 38                     |
| 2698-03522        | 00000/0000                   | 2-20037/1194                | 12/20/76         | 10             | 9725            | 3018N 08647E                            | 26.9         | 144.4        | GGGG                               |                     |                      | 151                     | 39                     |
| 2698-03525        | 00000/0000                   | 2-20037/1195                | 12/20/76         | 0              | 9725            | 2852N 08623E                            | 27.9         | 143.7        | GGGG                               |                     |                      | 151                     | 40                     |
| 2698-03531        | 00000/0000                   | 2-20037/1196                | 12/20/76         | 10             | 9725            | 2725N 08559E                            | 28.9         | 143.0        | GGGG                               |                     |                      | 151                     | 41                     |
| 2698-03534        | 00000/0000                   | 2-20037/1197                | 12/20/76         | 0              | 9725            | 2558N 08536E                            | 29.9         | 142.3        | GGGG                               |                     |                      | 151                     | 42                     |
| 2698-03540        | 00000/0000                   | 2-20037/1198                | 12/20/76         | 10             | 9725            | 2433N 08514E                            | 30.9         | 141.5        | GGGG                               |                     |                      | 151                     | 43                     |
| 2698-03543        | 00000/0000                   | 2-20037/1199                | 12/20/76         | 10             | 9725            | 2307N 08451E                            | 31.8         | 140.7        | FGGG                               |                     |                      | 151                     | 44                     |
| 2698-03546        | 00000/0000                   | 2-20037/1200                | 12/20/76         | 0              | 9725            | 2140N 08429E                            | 32.8         | 139.9        | GGGG                               |                     |                      | 151                     | 45                     |
| 2698-03552        | 00000/0000                   | 2-20037/1201                | 12/20/76         | 0              | 9725            | 2014N 08407E                            | 33.7         | 139.1        | GGGG                               |                     |                      | 151                     | 46                     |
| 2698-03554        | 00000/0000                   | 2-20037/1202                | 12/20/76         | 0              | 9725            | 1847N 08345E                            | 34.7         | 138.3        | GGGG                               |                     |                      | 151                     | 47                     |
| 2698-03561        | 00000/0000                   | 2-20037/1203                | 12/20/76         | 20             | 9725            | 1720N 08324E                            | 35.6         | 137.4        | FGGG                               |                     |                      | 151                     | 48                     |
| 2698-03563        | 00000/0000                   | 2-20037/1204                | 12/20/76         | 30             | 9725            | 1554N 08303E                            | 36.5         | 136.5        | GGGG                               |                     |                      | 151                     | 49                     |
| 2698-03570        | 00000/0000                   | 2-20037/1205                | 12/20/76         | 40             | 9725            | 1427N 08242E                            | 37.3         | 135.5        | GGGG                               |                     |                      | 151                     | 50                     |
| 2698-03572        | 00000/0000                   | 2-20037/1206                | 12/20/76         | 40             | 9725            | 1301N 08221E                            | 38.2         | 134.5        | GGGG                               |                     |                      | 151                     | 51                     |
| 2698-05290        | 00000/0000                   | 2-20037/1207                | 12/20/76         | 10             | 9726            | 5308N 06931E                            | 9.8          | 154.5        | PPPF                               |                     |                      | 169                     | 23                     |
| 2698-05292        | 00000/0000                   | 2-20037/1208                | 12/20/76         | 10             | 9726            | 5143N 06848E                            | 10.9         | 153.8        | FFFF                               |                     |                      | 169                     | 24                     |
| 2698-05295        | 00000/0000                   | 2-20037/1209                | 12/20/76         | 50             | 9726            | 5018N 06808E                            | 12.0         | 153.2        | PPPF                               |                     |                      | 169                     | 25                     |
| 2698-05301        | 00000/0000                   | 2-20037/1210                | 12/20/76         | 90             | 9726            | 4854N 06729E                            | 13.1         | 152.5        | FFFF                               |                     |                      | 169                     | 26                     |
| 2698-05304        | 00000/0000                   | 2-20037/1211                | 12/20/76         | 40             | 9726            | 4729N 06652E                            | 14.1         | 151.9        | FFFF                               |                     |                      | 169                     | 27                     |
| 2698-05310        | 00000/0000                   | 2-20037/1212                | 12/20/76         | 40             | 9726            | 4604N 06616E                            | 15.2         | 151.3        | PPP                                |                     |                      | 169                     | 28                     |
| 2698-05313        | 00000/0000                   | 2-20037/1213                | 12/20/76         | 80             | 9726            | 4439N 06542E                            | 16.3         | 150.7        | PPP                                |                     |                      | 169                     | 29                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

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FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------|------------------------------|-------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2698-05315        | 00000/0000                   | 2-20037/1214                | 12/20/76         | 90             | 9726          | 4313N                        | 06509E                        | 17.4         | 150.1        | GGGG                               |                     |                      | 169                     | 30                     |
| 2698-05322        | 00000/0000                   | 2-20037/1215                | 12/20/76         | 80             | 9726          | 4148N                        | 06438E                        | 18.5         | 149.5        | GGGG                               |                     |                      | 169                     | 31                     |
| 2698-05324        | 00000/0000                   | 2-20037/1216                | 12/20/76         | 90             | 9726          | 4022N                        | 06408E                        | 19.5         | 148.9        | GGGG                               |                     |                      | 169                     | 32                     |
| 2698-05331        | 00000/0000                   | 2-20037/1217                | 12/20/76         | 100            | 9726          | 3856N                        | 06338E                        | 20.6         | 148.3        | FGGG                               |                     |                      | 169                     | 33                     |
| 2698-05333        | 00000/0000                   | 2-20037/1218                | 12/20/76         | 70             | 9726          | 3731N                        | 06310E                        | 21.7         | 147.7        | GGGG                               |                     |                      | 169                     | 34                     |
| 2698-05340        | 00000/0000                   | 2-20037/1219                | 12/20/76         | 90             | 9726          | 3605N                        | 06243E                        | 22.7         | 147.1        | GGGG                               |                     |                      | 169                     | 35                     |
| 2698-05342        | 00000/0000                   | 2-20037/1220                | 12/20/76         | 50             | 9726          | 3439N                        | 06216E                        | 23.8         | 146.4        | FFFF                               |                     |                      | 169                     | 36                     |
| 2698-05351        | 00000/0000                   | 2-20037/1221                | 12/20/76         | 40             | 9726          | 3147N                        | 06124E                        | 25.8         | 145.1        | GGGF                               |                     |                      | 169                     | 38                     |
| 2698-05354        | 00000/0000                   | 2-20037/1222                | 12/20/76         | 20             | 9726          | 3021N                        | 06100E                        | 26.9         | 144.4        | PPP                                |                     |                      | 169                     | 39                     |
| 2698-05360        | 00000/0000                   | 2-20037/1223                | 12/20/76         | 30             | 9726          | 2855N                        | 06036E                        | 27.9         | 143.8        | FFFF                               |                     |                      | 169                     | 40                     |
| 2698-05363        | 00000/0000                   | 2-20037/1224                | 12/20/76         | 60             | 9726          | 2728N                        | 06012E                        | 28.9         | 143.0        | GGGG                               |                     |                      | 169                     | 41                     |
| 2698-05365        | 00000/0000                   | 2-20037/1225                | 12/20/76         | 40             | 9726          | 2602N                        | 05948E                        | 29.9         | 142.3        | PPPF                               |                     |                      | 169                     | 42                     |
| 2698-05372        | 00000/0000                   | 2-20037/1226                | 12/20/76         | 30             | 9726          | 2436N                        | 05925E                        | 30.8         | 141.5        | PPPP                               |                     |                      | 169                     | 43                     |
| 2698-14054        | 00000/0000                   | 2-20037/1124                | 12/20/76         | 0              | 9731          | 5142N                        | 06019W                        | 10.9         | 153.7        | GGGG                               |                     |                      | 8                       | 24                     |
| 2698-14061        | 00000/0000                   | 2-20037/1125                | 12/20/76         | 20             | 9731          | 5017N                        | 06101W                        | 12.0         | 153.1        | GGGG                               |                     |                      | 8                       | 25                     |
| 2698-14063        | 00000/0000                   | 2-20037/1126                | 12/20/76         | 50             | 9731          | 4851N                        | 06140W                        | 13.1         | 152.5        | GGGG                               |                     |                      | 8                       | 26                     |
| 2698-14070        | 00000/0000                   | 2-20037/1127                | 12/20/76         | 20             | 9731          | 4727N                        | 06217W                        | 14.2         | 151.9        | GGGG                               |                     |                      | 8                       | 27                     |
| 2698-14072        | 00000/0000                   | 2-20037/1128                | 12/20/76         | 30             | 9731          | 4602N                        | 06252W                        | 15.3         | 151.3        | GGGG                               |                     |                      | 8                       | 28                     |
| 2698-14075        | 00000/0000                   | 2-20037/1129                | 12/20/76         | 60             | 9731          | 4436N                        | 06326W                        | 16.3         | 150.7        | GGGG                               |                     |                      | 8                       | 29                     |
| 2698-14081        | 00000/0000                   | 2-20037/1130                | 12/20/76         | 70             | 9731          | 4311N                        | 06359W                        | 17.4         | 150.1        | GGGG                               |                     |                      | 8                       | 30                     |
| 2698-14084        | 00000/0000                   | 2-20037/1131                | 12/20/76         | 40             | 9731          | 4145N                        | 06430W                        | 18.5         | 149.5        | GGGG                               |                     |                      | 8                       | 31                     |
| 2698-15492        | 00000/0000                   | 2-20037/1132                | 12/20/76         | 10             | 9732          | 5016N                        | 08651W                        | 12.0         | 153.1        | GGGG                               |                     |                      | 26                      | 25                     |
| 2698-17324        | 00000/0000                   | 2-20037/1133                | 12/20/76         | 90             | 9733          | 5019N                        | 11238W                        | 11.9         | 153.1        | GFGG                               |                     |                      | 44                      | 25                     |
| 2699-03521        | 00000/0000                   | 2-20037/1135                | 12/21/76         | 10             | 9739          | 5017N                        | 09231E                        | 11.9         | 153.1        | GGGG                               |                     |                      | 152                     | 25                     |
| 2699-03524        | 00000/0000                   | 2-20037/1136                | 12/21/76         | 30             | 9739          | 4852N                        | 09152E                        | 13.0         | 152.4        | GGGG                               |                     |                      | 152                     | 26                     |
| 2699-03530        | 00000/0000                   | 2-20037/1137                | 12/21/76         | 40             | 9739          | 4728N                        | 09115E                        | 14.1         | 151.8        | FGGG                               |                     |                      | 152                     | 27                     |
| 2699-03533        | 00000/0000                   | 2-20037/1138                | 12/21/76         | 50             | 9739          | 4603N                        | 09041E                        | 15.2         | 151.2        | FFGG                               |                     |                      | 152                     | 28                     |
| 2699-03535        | 00000/0000                   | 2-20037/1139                | 12/21/76         | 40             | 9739          | 4439N                        | 09007E                        | 16.3         | 150.6        | GGGG                               |                     |                      | 152                     | 29                     |
| 2699-03542        | 00000/0000                   | 2-20037/1140                | 12/21/76         | 40             | 9739          | 4314N                        | 08934E                        | 17.3         | 150.0        | GFGG                               |                     |                      | 152                     | 30                     |
| 2699-03544        | 00000/0000                   | 2-20037/1141                | 12/21/76         | 40             | 9739          | 4148N                        | 08902E                        | 18.4         | 149.4        | GGGG                               |                     |                      | 152                     | 31                     |
| 2699-03551        | 00000/0000                   | 2-20037/1142                | 12/21/76         | 40             | 9739          | 4022N                        | 08832E                        | 19.5         | 148.8        | FFGG                               |                     |                      | 152                     | 32                     |
| 2699-03553        | 00000/0000                   | 2-20037/1143                | 12/21/76         | 40             | 9739          | 3856N                        | 08802E                        | 20.6         | 148.2        | FGGG                               |                     |                      | 152                     | 33                     |
| 2699-03560        | 00000/0000                   | 2-20037/1144                | 12/21/76         | 20             | 9739          | 3731N                        | 08734E                        | 21.6         | 147.6        | GGGG                               |                     |                      | 152                     | 34                     |
| 2699-03562        | 00000/0000                   | 2-20037/1145                | 12/21/76         | 10             | 9739          | 3605N                        | 08706E                        | 22.7         | 147.0        | GFGG                               |                     |                      | 152                     | 35                     |
| 2699-03565        | 00000/0000                   | 2-20037/1146                | 12/21/76         | 20             | 9739          | 3439N                        | 08639E                        | 23.7         | 146.3        | GGGG                               |                     |                      | 152                     | 36                     |
| 2699-03571        | 00000/0000                   | 2-20037/1147                | 12/21/76         | 20             | 9739          | 3313N                        | 08613E                        | 24.7         | 145.7        | FGGG                               |                     |                      | 152                     | 37                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SAT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|---------------------------------|-----------------------------|------------------|----------------|---------------|------------------------------|-------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|------------------------|
| 2699-03574        | 00000/0000                      | 2-20037/1148                | 12/21/76         | 10             | 9739          | 3147N                        | 08548E                        | 25.8         | 145.0        | GGGF                               |                     |                      | 152                   | 38                     |
| 2699-03580        | 00000/0000                      | 2-20037/1149                | 12/21/76         | 10             | 9739          | 3021N                        | 08523E                        | 26.8         | 144.3        | GGGG                               |                     |                      | 152                   | 39                     |
| 2699-03583        | 00000/0000                      | 2-20037/1150                | 12/21/76         | 30             | 9739          | 2855N                        | 08459E                        | 27.8         | 143.6        | GGGG                               |                     |                      | 152                   | 40                     |
| 2699-03585        | 00000/0000                      | 2-20037/1151                | 12/21/76         | 50             | 9739          | 2729N                        | 08435E                        | 28.8         | 142.9        | GGGG                               |                     |                      | 152                   | 41                     |
| 2699-03592        | 00000/0000                      | 2-20037/1152                | 12/21/76         | 40             | 9739          | 2602N                        | 08412E                        | 29.8         | 142.2        | GGGG                               |                     |                      | 152                   | 42                     |
| 2699-03594        | 00000/0000                      | 2-20037/1153                | 12/21/76         | 30             | 9739          | 2436N                        | 08348E                        | 30.8         | 141.4        | GGGG                               |                     |                      | 152                   | 43                     |
| 2699-04001        | 00000/0000                      | 2-20037/1154                | 12/21/76         | 10             | 9739          | 2310N                        | 08326E                        | 31.7         | 140.7        | FGGG                               |                     |                      | 152                   | 44                     |
| 2699-04003        | 00000/0000                      | 2-20037/1155                | 12/21/76         | 10             | 9739          | 2143N                        | 08303E                        | 32.7         | 139.9        | FGGG                               |                     |                      | 152                   | 45                     |
| 2699-04010        | 00000/0000                      | 2-20037/1156                | 12/21/76         | 10             | 9739          | 2017N                        | 08242E                        | 33.6         | 139.0        | GGGG                               |                     |                      | 152                   | 46                     |
| 2699-04012        | 00000/0000                      | 2-20037/1157                | 12/21/76         | 20             | 9739          | 1851N                        | 08220E                        | 34.5         | 138.2        | GGGG                               |                     |                      | 152                   | 47                     |
| 2699-04015        | 00000/0000                      | 2-20037/1158                | 12/21/76         | 20             | 9739          | 1724N                        | 08159E                        | 35.4         | 137.3        | FGGG                               |                     |                      | 152                   | 48                     |
| 2699-04021        | 00000/0000                      | 2-20037/1159                | 12/21/76         | 40             | 9739          | 1557N                        | 08138E                        | 36.3         | 136.4        | GGGG                               |                     |                      | 152                   | 49                     |
| 2699-04024        | 00000/0000                      | 2-20037/1160                | 12/21/76         | 60             | 9739          | 1430N                        | 08117E                        | 37.2         | 135.4        | GGGG                               |                     |                      | 152                   | 50                     |
| 2699-04030        | 00000/0000                      | 2-20037/1161                | 12/21/76         | 90             | 9739          | 1303N                        | 08056E                        | 38.1         | 134.5        | FGGG                               |                     |                      | 152                   | 51                     |
| 2699-05350        | 00000/0000                      | 2-20037/1162                | 12/21/76         | 10             | 9740          | 5142N                        | 06722E                        | 10.8         | 153.7        | FFFF                               |                     |                      | 170                   | 24                     |
| 2699-05353        | 00000/0000                      | 2-20037/1163                | 12/21/76         | 20             | 9740          | 5018N                        | 06641E                        | 11.9         | 153.0        | FFFF                               |                     |                      | 170                   | 25                     |
| 2699-05355        | 00000/0000                      | 2-20037/1164                | 12/21/76         | 40             | 9740          | 4853N                        | 06602E                        | 13.0         | 152.4        | FFFF                               |                     |                      | 170                   | 26                     |
| 2699-05362        | 00000/0000                      | 2-20037/1165                | 12/21/76         | 70             | 9740          | 4728N                        | 06525E                        | 14.1         | 151.8        | FGGF                               |                     |                      | 170                   | 27                     |
| 2699-05364        | 00000/0000                      | 2-20037/1166                | 12/21/76         | 90             | 9740          | 4603N                        | 06450E                        | 15.2         | 151.2        | FFFF                               |                     |                      | 170                   | 28                     |
| 2699-05371        | 00000/0000                      | 2-20037/1167                | 12/21/76         | 80             | 9740          | 4438N                        | 06417E                        | 16.3         | 150.6        | FGGF                               |                     |                      | 170                   | 29                     |
| 2699-05373        | 00000/0000                      | 2-20037/1168                | 12/21/76         | 90             | 9740          | 4313N                        | 06344E                        | 17.3         | 150.0        | GGGP                               |                     |                      | 170                   | 30                     |
| 2699-05380        | 00000/0000                      | 2-20037/1169                | 12/21/76         | 80             | 9740          | 4147N                        | 06313E                        | 18.4         | 149.4        | GGGF                               |                     |                      | 170                   | 31                     |
| 2699-05382        | 00000/0000                      | 2-20037/1170                | 12/21/76         | 70             | 9740          | 4022N                        | 06242E                        | 19.5         | 148.8        | GGGG                               |                     |                      | 170                   | 32                     |
| 2699-05385        | 00000/0000                      | 2-20037/1171                | 12/21/76         | 40             | 9740          | 3857N                        | 06213E                        | 20.6         | 148.2        | FFFG                               |                     |                      | 170                   | 33                     |
| 2699-05391        | 00000/0000                      | 2-20037/1172                | 12/21/76         | 70             | 9740          | 3731N                        | 06145E                        | 21.6         | 147.6        | GGFG                               |                     |                      | 170                   | 34                     |
| 2699-05394        | 00000/0000                      | 2-20037/1173                | 12/21/76         | 90             | 9740          | 3605N                        | 06117E                        | 22.7         | 147.0        | FGGG                               |                     |                      | 170                   | 35                     |
| 2699-05400        | 00000/0000                      | 2-20037/1174                | 12/21/76         | 60             | 9740          | 3439N                        | 06051E                        | 23.7         | 146.3        | PPFG                               |                     |                      | 170                   | 36                     |
| 2699-05403        | 00000/0000                      | 2-20037/1175                | 12/21/76         | 10             | 9740          | 3313N                        | 06024E                        | 24.7         | 145.7        | PPFP                               |                     |                      | 170                   | 37                     |
| 2699-05405        | 00000/0000                      | 2-20037/1176                | 12/21/76         | 20             | 9740          | 3147N                        | 05959E                        | 25.8         | 145.0        | FFFF                               |                     |                      | 170                   | 38                     |
| 2699-05412        | 00000/0000                      | 2-20037/1177                | 12/21/76         | 40             | 9740          | 3021N                        | 05934E                        | 26.8         | 144.3        | PGGF                               |                     |                      | 170                   | 39                     |
| 2699-05414        | 00000/0000                      | 2-20037/1178                | 12/21/76         | 50             | 9740          | 2855N                        | 05910E                        | 27.8         | 143.6        | PGFF                               |                     |                      | 170                   | 40                     |
| 2699-05421        | 00000/0000                      | 2-20037/1179                | 12/21/76         | 20             | 9740          | 2729N                        | 05846E                        | 28.8         | 142.9        | PGFG                               |                     |                      | 170                   | 41                     |
| 2699-05423        | 00000/0000                      | 2-20037/1180                | 12/21/76         | 10             | 9740          | 2602N                        | 05823E                        | 29.8         | 142.2        | FGGG                               |                     |                      | 170                   | 42                     |
| 2699-15550        | 00000/0000                      | 2-20037/1134                | 12/21/76         | 0              | 9746          | 5019N                        | 08817W                        | 11.9         | 153.0        | GGGG                               |                     |                      | 27                    | 25                     |
| 2699-17382        | 00000/0000                      | 2-20037/1061                | 12/21/76         | 50             | 9747          | 5019N                        | 11403W                        | 11.9         | 153.0        | GGGG                               |                     |                      | 45                    | 25                     |
| 2700-03580        | 00000/0000                      | 2-20037/1227                | 12/22/76         | 70             | 9753          | 5018N                        | 09103E                        | 11.9         | 152.9        | FGGG                               |                     |                      | 153                   | 25                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 29, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR N9N-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|-------------------|----------------------------|----------------------|-------------------------|------------------------|
| 2700-03582        | 00000/0000 2-20037/1228                        | 12/22/76         | 90             | 9753            | 4853N 09024E                            | 13.0         | 152.3        | FFGG              |                            |                      | 153                     | 26                     |
| 2700-03585        | 00000/0000 2-20037/1229                        | 12/22/76         | 100            | 9753            | 4728N 08947E                            | 14.1         | 151.7        | FGGG              |                            |                      | 153                     | 27                     |
| 2700-03591        | 00000/0000 2-20037/1230                        | 12/22/76         | 100            | 9753            | 4602N 08912E                            | 15.1         | 151.1        | GGGG              |                            |                      | 153                     | 28                     |
| 2700-03594        | 00000/0000 2-20037/1231                        | 12/22/76         | 90             | 9753            | 4437N 08839E                            | 16.2         | 150.5        | GGGG              |                            |                      | 153                     | 29                     |
| 2700-04000        | 00000/0000 2-20037/1232                        | 12/22/76         | 30             | 9753            | 4312N 08806E                            | 17.3         | 149.9        | GGGG              |                            |                      | 153                     | 30                     |
| 2700-04003        | 00000/0000 2-20037/1233                        | 12/22/76         | 10             | 9753            | 4147N 08735E                            | 18.4         | 149.3        | GFPG              |                            |                      | 153                     | 31                     |
| 2700-04005        | 00000/0000 2-20037/1234                        | 12/22/76         | 0              | 9753            | 4021N 08705E                            | 19.4         | 148.7        | GFGG              |                            |                      | 153                     | 32                     |
| 2700-04012        | 00000/0000 2-20037/1235                        | 12/22/76         | 30             | 9753            | 3856N 08635E                            | 20.5         | 148.1        | GGGF              |                            |                      | 153                     | 33                     |
| 2700-04014        | 00000/0000 2-20037/1236                        | 12/22/76         | 50             | 9753            | 3730N 08607E                            | 21.6         | 147.5        | GGGG              |                            |                      | 153                     | 34                     |
| 2700-04021        | 00000/0000 2-20037/1237                        | 12/22/76         | 10             | 9753            | 3605N 08539E                            | 22.6         | 146.8        | GGGG              |                            |                      | 153                     | 35                     |
| 2700-04023        | 00000/0000 2-20037/1238                        | 12/22/76         | 20             | 9753            | 3438N 08513E                            | 23.7         | 146.2        | GGGG              |                            |                      | 153                     | 36                     |
| 2700-04030        | 00000/0000 2-20037/1239                        | 12/22/76         | 20             | 9753            | 3312N 08446E                            | 24.7         | 145.6        | GGGG              |                            |                      | 153                     | 37                     |
| 2700-04032        | 00000/0000 2-20037/1240                        | 12/22/76         | 20             | 9753            | 3147N 08421E                            | 25.7         | 144.9        | GGGG              |                            |                      | 153                     | 38                     |
| 2700-04035        | 00000/0000 2-20037/1241                        | 12/22/76         | 30             | 9753            | 3021N 08356E                            | 26.7         | 144.2        | GGGG              |                            |                      | 153                     | 39                     |
| 2700-04041        | 00000/0000 2-20037/1242                        | 12/22/76         | 20             | 9753            | 2855N 08332E                            | 27.7         | 143.5        | GGGG              |                            |                      | 153                     | 40                     |
| 2700-04044        | 00000/0000 2-20037/1243                        | 12/22/76         | 10             | 9753            | 2728N 08308E                            | 28.7         | 142.8        | FGGG              |                            |                      | 153                     | 41                     |
| 2700-04050        | 00000/0000 2-20037/1244                        | 12/22/76         | 10             | 9753            | 2602N 08245E                            | 29.7         | 142.1        | GGGG              |                            |                      | 153                     | 42                     |
| 2700-04053        | 00000/0000 2-20037/1245                        | 12/22/76         | 10             | 9753            | 2435N 08222E                            | 30.7         | 141.3        | GGGG              |                            |                      | 153                     | 43                     |
| 2700-04055        | 00000/0000 2-20037/1246                        | 12/22/76         | 0              | 9753            | 2309N 08159E                            | 31.7         | 140.6        | GGGG              |                            |                      | 153                     | 44                     |
| 2700-04062        | 00000/0000 2-20037/1247                        | 12/22/76         | 20             | 9753            | 2143N 08137E                            | 32.6         | 139.8        | GGGG              |                            |                      | 153                     | 45                     |
| 2700-04064        | 00000/0000 2-20037/1248                        | 12/22/76         | 40             | 9753            | 2016N 08115E                            | 33.5         | 138.9        | GGGG              |                            |                      | 153                     | 46                     |
| 2700-04071        | 00000/0000 2-20037/1249                        | 12/22/76         | 50             | 9753            | 1849N 08053E                            | 34.5         | 138.1        | GGGG              |                            |                      | 153                     | 47                     |
| 2700-04073        | 00000/0000 2-20037/1250                        | 12/22/76         | 70             | 9753            | 1723N 08032E                            | 35.4         | 137.2        | GGGG              |                            |                      | 153                     | 48                     |
| 2700-04080        | 00000/0000 2-20037/1251                        | 12/22/76         | 80             | 9753            | 1557N 08012E                            | 36.3         | 136.3        | GGGG              |                            |                      | 153                     | 49                     |
| 2700-04082        | 00000/0000 2-20037/1252                        | 12/22/76         | 40             | 9753            | 1430N 07951E                            | 37.1         | 135.3        | GGGG              |                            |                      | 153                     | 50                     |
| 2700-04085        | 00000/0000 2-20037/1253                        | 12/22/76         | 50             | 9753            | 1303N 07930E                            | 38.0         | 134.4        | GGGG              |                            |                      | 153                     | 51                     |
| 2700-05402        | 00000/0000 2-20037/1254                        | 12/22/76         | 0              | 9754            | 5306N 06637E                            | 9.7          | 154.2        | PPPP              |                            |                      | 171                     | 23                     |
| 2700-05405        | 00000/0000 2-20037/1255                        | 12/22/76         | 0              | 9754            | 5142N 06555E                            | 10.8         | 153.6        | PPPP              |                            |                      | 171                     | 24                     |
| 2700-05411        | 00000/0000 2-20037/1256                        | 12/22/76         | 10             | 9754            | 5017N 06514E                            | 11.9         | 152.9        | GGGG              |                            |                      | 171                     | 25                     |
| 2700-05414        | 00000/0000 2-20037/1257                        | 12/22/76         | 10             | 9754            | 4853N 06435E                            | 13.0         | 152.3        | GGGG              |                            |                      | 171                     | 26                     |
| 2700-05420        | 00000/0000 2-20037/1258                        | 12/22/76         | 10             | 9754            | 4728N 06359E                            | 14.1         | 151.7        | GGGG              |                            |                      | 171                     | 27                     |
| 2700-05423        | 00000/0000 2-20037/1259                        | 12/22/76         | 0              | 9754            | 4603N 06323E                            | 15.1         | 151.1        | GFGG              |                            |                      | 171                     | 28                     |
| 2700-05425        | 00000/0000 2-20037/1260                        | 12/22/76         | 0              | 9754            | 4438N 06250E                            | 16.2         | 150.5        | GGGG              |                            |                      | 171                     | 29                     |
| 2700-05432        | 00000/0000 2-20037/1261                        | 12/22/76         | 0              | 9754            | 4312N 06217E                            | 17.3         | 149.9        | GGGG              |                            |                      | 171                     | 30                     |
| 2700-05434        | 00000/0000 2-20037/1262                        | 12/22/76         | 10             | 9754            | 4147N 06146E                            | 18.4         | 149.3        | GGFG              |                            |                      | 171                     | 31                     |
| 2700-05441        | 00000/0000 2-20037/1263                        | 12/22/76         | 80             | 9754            | 4021N 06116E                            | 19.4         | 148.7        | GGGG              |                            |                      | 171                     | 32                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER,  
IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 77

LANDSAT-2  
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FBR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2700-05443        | 00000/0000                   | 2-20037/1264                | 12/22/76         | 90             | 9754          | 3855N                              | 06047E                              | 20.5         | 148.1        | GGGG                               |                     |                      | 171                     | 33                     |
| 2700-05450        | 00000/0000                   | 2-20037/1265                | 12/22/76         | 70             | 9754          | 3730N                              | 06019E                              | 21.6         | 147.5        | GGGG                               |                     |                      | 171                     | 34                     |
| 2700-05452        | 00000/0000                   | 2-20037/1266                | 12/22/76         | 60             | 9754          | 3604N                              | 05951E                              | 22.6         | 146.8        | GGGG                               |                     |                      | 171                     | 35                     |
| 2700-05455        | 00000/0000                   | 2-20037/1267                | 12/22/76         | 30             | 9754          | 3438N                              | 05924E                              | 23.7         | 146.2        | GGGG                               |                     |                      | 171                     | 36                     |
| 2700-05461        | 00000/0000                   | 2-20037/1268                | 12/22/76         | 20             | 9754          | 3312N                              | 05859E                              | 24.7         | 145.5        | GGGG                               |                     |                      | 171                     | 37                     |
| 2700-05464        | 00000/0000                   | 2-20037/1269                | 12/22/76         | 20             | 9754          | 3147N                              | 05833E                              | 25.7         | 144.9        | GGFG                               |                     |                      | 171                     | 38                     |
| 2700-05470        | 00000/0000                   | 2-20037/1270                | 12/22/76         | 20             | 9754          | 3021N                              | 05808E                              | 26.7         | 144.2        | GGGG                               |                     |                      | 171                     | 39                     |
| 2700-05473        | 00000/0000                   | 2-20037/1271                | 12/22/76         | 30             | 9754          | 2845N                              | 05744E                              | 27.7         | 143.5        | GGGG                               |                     |                      | 171                     | 40                     |
| 2700-05475        | 00000/0000                   | 2-20037/1272                | 12/22/76         | 70             | 9754          | 2728N                              | 05720E                              | 28.7         | 142.8        | GGGG                               |                     |                      | 171                     | 41                     |
| 2700-14180        | 00000/0000                   | 2-20037/0699                | 12/22/76         | 70             | 9759          | 4855N                              | 06428W                              | 12.9         | 152.3        | GGGG                               |                     |                      | 10                      | 26                     |
| 2700-14200        | 00000/0000                   | 2-20037/0700                | 12/22/76         | 90             | 9759          | 4149N                              | 06718W                              | 18.4         | 149.2        | GGGG                               |                     | H                    | 10                      | 31                     |
| 2700-14203        | 00000/0000                   | 2-20037/0701                | 12/22/76         | 90             | 9759          | 4023N                              | 06749W                              | 19.4         | 148.6        | GGGG                               |                     | H                    | 10                      | 32                     |
| 2700-14205        | 00000/0000                   | 2-20037/0702                | 12/22/76         | 90             | 9759          | 3857N                              | 06818W                              | 20.5         | 148.0        | GGGG                               |                     | H                    | 10                      | 33                     |
| 2700-16005        | 00000/0000                   | 2-20037/0703                | 12/22/76         | 30             | 9760          | 5019N                              | 08942W                              | 11.9         | 152.9        | GGGG                               |                     |                      | 28                      | 25                     |
| 2700-17440        | 00000/0000                   | 2-20037/1299                | 12/22/76         | 50             | 9761          | 5018N                              | 11530W                              | 11.9         | 152.9        | GGGG                               |                     |                      | 46                      | 26                     |
| 2701-04152        | 00000/0000                   | 2-20037/1340                | 12/23/76         | 60             | 9767          | 1009N                              | 07724E                              | 39.5         | 132.2        | GGGG                               |                     |                      | 154                     | 53                     |
| 2701-07310        | 00000/0000                   | 2-20037/1341                | 12/23/76         | 50             | 9769          | 4728N                              | 03642E                              | 14.0         | 151.5        | GGFG                               |                     |                      | 190                     | 27                     |
| 2701-07312        | 00000/0000                   | 2-20037/1342                | 12/23/76         | 80             | 9769          | 4603N                              | 03607E                              | 15.1         | 150.9        | GGFG                               |                     |                      | 190                     | 28                     |
| 2701-07315        | 00000/0000                   | 2-20037/1343                | 12/23/76         | 80             | 9769          | 4438N                              | 03533E                              | 16.2         | 150.3        | GGGG                               |                     |                      | 190                     | 29                     |
| 2701-13050        | 00000/0000                   | 2-20037/1344                | 12/23/76         | 10             | 9772          | 3558S                              | 06314W                              | 47.9         | 85.9         | GGGG                               |                     |                      | 244                     | 85                     |
| 2701-14234        | 00000/0000                   | 2-20037/0118                | 12/23/76         | 20             | 9773          | 4845N                              | 06555W                              | 12.9         | 152.1        | GGGG                               |                     |                      | 11                      | 26                     |
| 2701-14263        | 00000/0000                   | 2-20037/0119                | 12/23/76         | 60             | 9773          | 3857N                              | 06945W                              | 20.4         | 147.9        | GGFF                               |                     | H                    | 11                      | 33                     |
| 2701-14270        | 00000/0000                   | 2-20037/0120                | 12/23/76         | 90             | 9773          | 3731N                              | 07014W                              | 21.5         | 147.3        | FFGF                               |                     | H                    | 11                      | 34                     |
| 2701-14272        | 00000/0000                   | 2-20037/0121                | 12/23/76         | 80             | 9773          | 3606N                              | 07041W                              | 22.5         | 146.7        | GGFG                               |                     | H                    | 11                      | 35                     |
| 2701-14275        | 00000/0000                   | 2-20037/0122                | 12/23/76         | 90             | 9773          | 3439N                              | 07108W                              | 23.6         | 146.0        | GGGF                               |                     | H                    | 11                      | 36                     |
| 2701-16063        | 00000/0000                   | 2-20037/1273                | 12/23/76         | 10             | 9774          | 5020N                              | 09107W                              | 11.8         | 152.7        | GGFG                               |                     |                      | 29                      | 25                     |
| 2701-16140        | 00000/0000                   | 2-20037/1274                | 12/23/76         | 90             | 9774          | 2436N                              | 09946W                              | 30.6         | 141.1        | GGGG                               |                     |                      | 29                      | 43                     |
| 2701-17492        | 00000/0000                   | 2-20037/1275                | 12/23/76         | 70             | 9775          | 5143N                              | 11615W                              | 10.7         | 153.4        | GGGG                               |                     |                      | 47                      | 24                     |
| 2701-17544        | 00000/0000                   | 2-20037/1276                | 12/23/76         | 30             | 9775          | 3312N                              | 12312W                              | 24.6         | 145.4        | GGGG                               |                     |                      | 47                      | 37                     |
| 2701-23241        | 00000/0000                   | 2-20037/1289                | 12/23/76         | 0              | 9778          | 3433S                              | 14216E                              | 48.2         | 87.3         | GGGG                               |                     |                      | 101                     | 84                     |
| 2701-23243        | 00000/0000                   | 2-20037/1290                | 12/23/76         | 10             | 9778          | 3559S                              | 14150E                              | 47.9         | 85.9         | GGGG                               |                     |                      | 101                     | 85                     |
| 2701-23250        | 00000/0000                   | 2-20037/1291                | 12/23/76         | 20             | 9778          | 3724S                              | 14122E                              | 47.5         | 84.6         | GGGG                               |                     |                      | 101                     | 86                     |
| 2702-01061        | 00000/0000                   | 2-20037/1292                | 12/24/76         | 0              | 9779          | 3015S                              | 11744E                              | 49.1         | 91.7         | GGGG                               |                     |                      | 119                     | 81                     |
| 2702-01063        | 00000/0000                   | 2-20037/1293                | 12/24/76         | 0              | 9779          | 3141S                              | 11719E                              | 48.8         | 90.2         | GGGG                               |                     |                      | 119                     | 82                     |
| 2702-02304        | 00000/0000                   | 2-20037/1294                | 12/24/76         | 70             | 9780          | 3438N                              | 10809E                              | 23.6         | 146.0        | GGGG                               |                     |                      | 137                     | 36                     |
| 2702-02310        | 00000/0000                   | 2-20037/1295                | 12/24/76         | 80             | 9780          | 3312N                              | 10743E                              | 24.6         | 145.3        | GGGG                               |                     |                      | 137                     | 37                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER  
 IMAGE QUALITY ..... BLANKS=NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM ROLL NO./ POSITION IN ROLL | DATE ACQUIRED | CLOUD COVER | SBBIT NUMBER | PRINCIPAL PRINT OF IMAGE | SUN ELEV. | SUN AZIM. | IMAGE-QUAL | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME ROW NUMBER |
|----------------|--------------------------------------|---------------|-------------|--------------|--------------------------|-----------|-----------|------------|---------------|----------------|-------------------|------------------|
|                | RBV MSS                              |               |             |              | LAT LONG                 |           |           | 123 45678  |               |                |                   |                  |
| 2702-02313     | 00000/0000                           | 2-20037/0285  | 12/24/76    | 60           | 9780                     | 3147N     | 10717E    | 25.6       | 144.7         | FGGG           | 137               | 38               |
| 2702-02315     | 00000/0000                           | 2-20037/1297  | 12/24/76    | 70           | 9780                     | 3021N     | 10652E    | 26.6       | 144.0         | FGGG           | 137               | 39               |
| 2702-02322     | 00000/0000                           | 2-20037/1298  | 12/24/76    | 90           | 9780                     | 2854N     | 10628E    | 27.6       | 143.3         | GGGG           | 137               | 40               |
| 2702-02324     | 00000/0000                           | 2-20037/1277  | 12/24/76    | 90           | 9780                     | 2728N     | 10604E    | 28.6       | 142.6         | FGGG           | 137               | 41               |
| 2702-02331     | 00000/0000                           | 2-20037/1277  | 12/24/76    | 90           | 9780                     | 2601N     | 10541E    | 29.6       | 141.8         | FGGG           | 137               | 42               |
| 2702-04423     | 00000/0000                           | 2-20038/0481  | 12/24/76    | 0            | 9781                     | 4602N     | 08621E    | 15.1       | 150.8         | FGGG           | 155               | 28               |
| 2702-04420     | 00000/0000                           | 2-20038/0482  | 12/24/76    | 0            | 9781                     | 4437N     | 08547E    | 16.2       | 150.2         | GGG            | 155               | 29               |
| 2702-04412     | 00000/0000                           | 2-20038/0483  | 12/24/76    | 0            | 9781                     | 4312N     | 08514E    | 17.2       | 149.6         | GGGG           | 155               | 30               |
| 2702-04408     | 00000/0000                           | 2-20038/0484  | 12/24/76    | 10           | 9781                     | 4146N     | 08443E    | 18.3       | 149.0         | FGFG           | 155               | 31               |
| 2702-04400     | 00000/0000                           | 2-20038/0485  | 12/24/76    | 70           | 9781                     | 4021N     | 08412E    | 19.4       | 148.4         | GGGG           | 155               | 32               |
| 2702-04392     | 00000/0000                           | 2-20038/0485  | 12/24/76    | 90           | 9781                     | 3855N     | 08343E    | 20.4       | 147.8         | GGGG           | 155               | 33               |
| 2702-04384     | 00000/0000                           | 2-20038/0487  | 12/24/76    | 90           | 9781                     | 3729N     | 08315E    | 21.5       | 147.2         | GGGG           | 155               | 34               |
| 2702-04376     | 00000/0000                           | 2-20038/0488  | 12/24/76    | 80           | 9781                     | 3603N     | 08247E    | 22.5       | 146.6         | GGGG           | 155               | 35               |
| 2702-04368     | 00000/0000                           | 2-20038/0485  | 12/24/76    | 30           | 9781                     | 3311N     | 08154E    | 24.6       | 145.3         | GGGG           | 155               | 37               |
| 2702-04360     | 00000/0000                           | 2-20038/0490  | 12/24/76    | 30           | 9781                     | 3146N     | 08129E    | 25.6       | 144.6         | GGGG           | 155               | 38               |
| 2702-04352     | 00000/0000                           | 2-20038/0491  | 12/24/76    | 30           | 9781                     | 3020N     | 08104E    | 26.6       | 144.0         | FGGG           | 155               | 39               |
| 2702-04344     | 00000/0000                           | 2-20038/0492  | 12/24/76    | 10           | 9781                     | 2854N     | 08039E    | 27.6       | 143.3         | FGGG           | 155               | 40               |
| 2702-04336     | 00000/0000                           | 2-20038/0493  | 12/24/76    | 0            | 9781                     | 2729N     | 08016E    | 28.6       | 142.6         | GGGG           | 155               | 41               |
| 2702-04328     | 00000/0000                           | 2-20038/0494  | 12/24/76    | 0            | 9781                     | 2602N     | 07952E    | 29.6       | 141.8         | GGGG           | 155               | 42               |
| 2702-04320     | 00000/0000                           | 2-20038/0495  | 12/24/76    | 0            | 9781                     | 2435N     | 07928E    | 30.6       | 141.1         | GGGG           | 155               | 43               |
| 2702-04312     | 00000/0000                           | 2-20038/0496  | 12/24/76    | 0            | 9781                     | 2309N     | 07806E    | 31.5       | 140.3         | GGGG           | 155               | 44               |
| 2702-04304     | 00000/0000                           | 2-20038/0497  | 12/24/76    | 0            | 9781                     | 2142N     | 07744E    | 32.5       | 139.6         | GGGG           | 155               | 45               |
| 2702-04296     | 00000/0000                           | 2-20038/0498  | 12/24/76    | 10           | 9781                     | 2016N     | 07723E    | 33.4       | 138.7         | GGGG           | 155               | 46               |
| 2702-04288     | 00000/0000                           | 2-20038/0499  | 12/24/76    | 10           | 9781                     | 1723N     | 07740E    | 35.2       | 136.9         | GGGG           | 155               | 48               |
| 2702-04280     | 00000/0000                           | 2-20038/0500  | 12/24/76    | 10           | 9781                     | 1546N     | 07718E    | 36.1       | 136.0         | GGGG           | 155               | 49               |
| 2702-04272     | 00000/0000                           | 2-20038/0501  | 12/24/76    | 0            | 9781                     | 1429N     | 07657E    | 37.0       | 135.1         | GGG            | 155               | 50               |
| 2702-04264     | 00000/0000                           | 2-20038/0502  | 12/24/76    | 10           | 9781                     | 1303N     | 07637E    | 37.8       | 134.1         | GGGG           | 155               | 51               |
| 2702-04256     | 00000/0000                           | 2-20038/0503  | 12/24/76    | 10           | 9781                     | 1176N     | 07617E    | 38.6       | 133.1         | GGGG           | 155               | 52               |
| 2702-04248     | 00000/0000                           | 2-20037/1279  | 12/24/76    | 10           | 9781                     | 0545S     | 07214E    | 46.6       | 118.4         | GGGG           | 155               | 64               |
| 2702-04240     | 00000/0000                           | 2-20037/1280  | 12/24/76    | 10           | 9781                     | 0712S     | 07155E    | 47.1       | 116.9         | GGGG           | 155               | 65               |
| 2702-04232     | 00000/0000                           | 2-20038/0504  | 12/24/76    | 90           | 9782                     | 5306N     | 06345E    | 9.6        | 154.0         | GGGG           | 173               | 23               |
| 2702-04224     | 00000/0000                           | 2-20038/0505  | 12/24/76    | 90           | 9782                     | 5142N     | 06302E    | 10.7       | 153.3         | GGGG           | 173               | 24               |
| 2702-04216     | 00000/0000                           | 2-20038/0506  | 12/24/76    | 40           | 9782                     | 5018N     | 06221E    | 11.8       | 152.7         | GGGG           | 173               | 25               |
| 2702-04208     | 00000/0000                           | 2-20038/0507  | 12/24/76    | 0            | 9782                     | 4853N     | 06143E    | 12.9       | 152.0         | GGGG           | 173               | 26               |
| 2702-04200     | 00000/0000                           | 2-20038/0508  | 12/24/76    | 0            | 9782                     | 4727N     | 06107E    | 14.0       | 151.4         | GGGG           | 173               | 27               |
| 2702-04192     | 00000/0000                           | 2-20038/0509  | 12/24/76    | 0            | 9782                     | 4602N     | 06033E    | 15.1       | 150.8         | GGGG           | 173               | 28               |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0645

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO.<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2702-05542        | 00000/0000                   | 2-20038/0510               | 12/24/76         | 20             | 9782            | 4437N                        | 05959E        | 16.2         | 150.2        | GGGG                               |                     |                      | 173                     | 29                     |
| 2702-05544        | 00000/0000                   | 2-20038/0511               | 12/24/76         | 10             | 9782            | 4312N                        | 05926E        | 17.2         | 149.6        | GGGG                               |                     |                      | 173                     | 30                     |
| 2702-05551        | 00000/0000                   | 2-20038/0512               | 12/24/76         | 30             | 9782            | 4147N                        | 05854E        | 18.3         | 149.0        | GGGG                               |                     |                      | 173                     | 31                     |
| 2702-05553        | 00000/0000                   | 2-20038/0513               | 12/24/76         | 70             | 9782            | 4021N                        | 05824E        | 19.4         | 148.4        | GGGG                               |                     |                      | 173                     | 32                     |
| 2702-05560        | 00000/0000                   | 2-20038/0514               | 12/24/76         | 80             | 9782            | 3856N                        | 05754E        | 20.4         | 147.8        | GGGG                               |                     |                      | 173                     | 33                     |
| 2702-05562        | 00000/0000                   | 2-20038/0515               | 12/24/76         | 90             | 9782            | 3730N                        | 05726E        | 21.5         | 147.2        | GGGG                               |                     |                      | 173                     | 34                     |
| 2702-05565        | 00000/0000                   | 2-20038/0516               | 12/24/76         | 90             | 9782            | 3604N                        | 05658E        | 22.5         | 146.6        | GGGG                               |                     |                      | 173                     | 35                     |
| 2702-05571        | 00000/0000                   | 2-20038/0517               | 12/24/76         | 80             | 9782            | 3439N                        | 05631E        | 23.6         | 145.9        | GGGG                               |                     |                      | 173                     | 36                     |
| 2702-05574        | 00000/0000                   | 2-20038/0518               | 12/24/76         | 60             | 9782            | 3312N                        | 05605E        | 24.6         | 145.3        | GGGG                               |                     |                      | 173                     | 37                     |
| 2702-05580        | 00000/0000                   | 2-20038/0519               | 12/24/76         | 70             | 9782            | 3146N                        | 05540E        | 25.6         | 144.6        | GGGG                               |                     |                      | 173                     | 38                     |
| 2702-05583        | 00000/0000                   | 2-20038/0520               | 12/24/76         | 30             | 9782            | 3020N                        | 05515E        | 26.6         | 144.0        | GGGG                               |                     |                      | 173                     | 39                     |
| 2702-07355        | 00000/0000                   | 2-20037/1281               | 12/24/76         | 80             | 9783            | 5017N                        | 03632E        | 11.8         | 152.7        | GGGG                               |                     |                      | 191                     | 25                     |
| 2702-07362        | 00000/0000                   | 2-20037/1282               | 12/24/76         | 90             | 9783            | 4853N                        | 03554E        | 12.9         | 152.0        | GGGG                               |                     |                      | 191                     | 26                     |
| 2702-07364        | 00000/0000                   | 2-20037/1283               | 12/24/76         | 90             | 9783            | 4728N                        | 03517E        | 14.0         | 151.4        | GGGG                               |                     |                      | 191                     | 27                     |
| 2702-07371        | 00000/0000                   | 2-20037/1284               | 12/24/76         | 90             | 9783            | 4603N                        | 03442E        | 15.1         | 150.8        | GGGG                               |                     |                      | 191                     | 28                     |
| 2702-07373        | 00000/0000                   | 2-20037/1285               | 12/24/76         | 80             | 9783            | 4438N                        | 03408E        | 16.2         | 150.2        | GGGG                               |                     |                      | 191                     | 29                     |
| 2702-13104        | 00000/0000                   | 2-20037/1286               | 12/24/76         | 50             | 9786            | 3559S                        | 06441W        | 47.8         | 86.0         | GGGG                               |                     |                      | 245                     | 85                     |
| 2702-14285        | 00000/0000                   | 2-20037/1300               | 12/24/76         | 80             | 9787            | 5020N                        | 06645W        | 11.8         | 152.6        | GGGG                               |                     |                      | 12                      | 25                     |
| 2702-14292        | 00000/0000                   | 2-20037/1301               | 12/24/76         | 50             | 9787            | 4855N                        | 06723W        | 12.9         | 152.0        | GGGG                               |                     |                      | 12                      | 26                     |
| 2702-14333        | 00000/0000                   | 2-20037/1302               | 12/24/76         | 50             | 9787            | 3440N                        | 07234W        | 23.5         | 145.9        | GGGG                               |                     |                      | 12                      | 36                     |
| 2702-14335        | 00000/0000                   | 2-20037/1303               | 12/24/76         | 60             | 9787            | 3313N                        | 07300W        | 24.6         | 145.3        | GGGG                               |                     |                      | 12                      | 37                     |
| 2702-14342        | 00000/0000                   | 2-20037/1304               | 12/24/76         | 60             | 9787            | 3147N                        | 07326W        | 25.6         | 144.6        | GGGG                               |                     |                      | 12                      | 38                     |
| 2702-16121        | 00000/0000                   | 2-20037/1305               | 12/24/76         | 60             | 9788            | 5019N                        | 09233W        | 11.8         | 152.6        | GGGG                               |                     |                      | 30                      | 25                     |
| 2702-17553        | 00000/0000                   | 2-20037/1306               | 12/24/76         | 80             | 9789            | 5019N                        | 11821W        | 11.8         | 152.6        | GGGG                               |                     |                      | 48                      | 25                     |
| 2702-23295        | 00000/0000                   | 2-20037/1287               | 12/24/76         | 0              | 9792            | 3434S                        | 14051E        | 48.1         | 87.4         | GGGG                               |                     |                      | 102                     | 84                     |
| 2702-23301        | 00000/0000                   | 2-20037/1288               | 12/24/76         | 10             | 9792            | 3558S                        | 14025E        | 47.8         | 86.0         | GGGG                               |                     |                      | 102                     | 85                     |
| 2703-02362        | 00000/0000                   | 2-20037/1307               | 12/25/76         | 90             | 9794            | 3438N                        | 10643E        | 23.5         | 145.8        | P                                  |                     |                      | 138                     | 36                     |
| 2703-02365        | 00000/0000                   | 2-20037/1308               | 12/25/76         | 100            | 9794            | 3312N                        | 10617E        | 24.5         | 145.2        | GGGG                               |                     |                      | 138                     | 37                     |
| 2703-02371        | 00000/0000                   | 2-20037/1309               | 12/25/76         | 100            | 9794            | 3146N                        | 10552E        | 25.6         | 144.5        | GGGG                               |                     |                      | 138                     | 38                     |
| 2703-02374        | 00000/0000                   | 2-20037/1310               | 12/25/76         | 100            | 9794            | 3020N                        | 10527E        | 26.6         | 143.8        | GGGG                               |                     |                      | 138                     | 39                     |
| 2703-02380        | 00000/0000                   | 2-20037/1311               | 12/25/76         | 100            | 9794            | 2854N                        | 10503E        | 27.6         | 143.2        | GGGG                               |                     |                      | 138                     | 40                     |
| 2703-02383        | 00000/0000                   | 2-20037/1312               | 12/25/76         | 100            | 9794            | 2728N                        | 10439E        | 28.6         | 142.4        | GGGG                               |                     |                      | 138                     | 41                     |
| 2703-02385        | 00000/0000                   | 2-20037/1313               | 12/25/76         | 80             | 9794            | 2601N                        | 10415E        | 29.5         | 141.7        | GGGG                               |                     |                      | 138                     | 42                     |
| 2703-02392        | 00000/0000                   | 2-20037/1314               | 12/25/76         | 30             | 9794            | 2436N                        | 10353E        | 30.5         | 141.0        | GGGG                               |                     |                      | 138                     | 43                     |
| 2703-02394        | 00000/0000                   | 2-20037/1315               | 12/25/76         | 10             | 9794            | 2310N                        | 10330E        | 31.5         | 140.2        | GGGG                               |                     |                      | 138                     | 44                     |
| 2703-04144        | 00000/0000                   | 2-20038/0123               | 12/25/76         | 0              | 9795            | 5142N                        | 08726E        | 10.7         | 153.2        | FFFF                               |                     |                      | 156                     | 24                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

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OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RAV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2703-04150        | 00000/0000                                     | 2-2003R/0124     | 12/25/76    | 0               | 9795                               | 5018N                               | 08644E       | 11.8         | 152.5                 | FFFF                |                      | 156                     | 25                     |
| 2703-04153        | 00000/0000                                     | 2-2003R/0125     | 12/25/76    | 0               | 9795                               | 4852N                               | 08607E       | 12.9         | 151.9                 | FGGF                |                      | 156                     | 26                     |
| 2703-04162        | 00000/0000                                     | 2-2003R/0126     | 12/25/76    | 10              | 9795                               | 4602N                               | 08455E       | 15.1         | 150.7                 | FFFF                |                      | 156                     | 28                     |
| 2703-04171        | 00000/0000                                     | 2-2003R/0127     | 12/25/76    | 0               | 9795                               | 4312N                               | 08349E       | 17.2         | 149.5                 | FGGG                |                      | 156                     | 30                     |
| 2703-04173        | 00000/0000                                     | 2-2003R/0128     | 12/25/76    | 0               | 9795                               | 4146N                               | 08318E       | 18.3         | 148.9                 | FFFF                |                      | 156                     | 31                     |
| 2703-04180        | 00000/0000                                     | 2-2003R/0129     | 12/25/76    | 60              | 9795                               | 4021N                               | 08247E       | 19.3         | 148.3                 | FFFF                |                      | 156                     | 32                     |
| 2703-04182        | 00000/0000                                     | 2-2003R/0130     | 12/25/76    | 100             | 9795                               | 3855N                               | 08218E       | 20.4         | 147.7                 | FFFF                |                      | 156                     | 33                     |
| 2703-04185        | 00000/0000                                     | 2-2003R/0131     | 12/25/76    | 100             | 9795                               | 3730N                               | 08149E       | 21.4         | 147.1                 | FFFF                |                      | 156                     | 34                     |
| 2703-04191        | 00000/0000                                     | 2-2003R/0132     | 12/25/76    | 50              | 9795                               | 3604N                               | 08122E       | 22.5         | 146.5                 | GFF                 |                      | 156                     | 35                     |
| 2703-04194        | 00000/0000                                     | 2-2003R/0133     | 12/25/76    | 40              | 9795                               | 3438N                               | 08055E       | 23.5         | 145.8                 | FGFF                |                      | 156                     | 36                     |
| 2703-04200        | 00000/0000                                     | 2-2003R/0134     | 12/25/76    | 40              | 9795                               | 3312N                               | 08029E       | 24.5         | 145.2                 | FFFF                |                      | 156                     | 37                     |
| 2703-04203        | 00000/0000                                     | 2-2003R/0135     | 12/25/76    | 50              | 9795                               | 3147N                               | 08004E       | 25.6         | 144.5                 | FFFF                |                      | 156                     | 38                     |
| 2703-04205        | 00000/0000                                     | 2-2003R/0136     | 12/25/76    | 30              | 9795                               | 3021N                               | 07939E       | 26.6         | 143.8                 | FFFG                |                      | 156                     | 39                     |
| 2703-04212        | 00000/0000                                     | 2-2003R/0137     | 12/25/76    | 0               | 9795                               | 2855N                               | 07915E       | 27.6         | 143.1                 | FFFF                |                      | 156                     | 40                     |
| 2703-04214        | 00000/0000                                     | 2-2003R/0138     | 12/25/76    | 10              | 9795                               | 2729N                               | 07850E       | 28.6         | 142.4                 | FFFF                |                      | 156                     | 41                     |
| 2703-04221        | 00000/0000                                     | 2-2003R/0139     | 12/25/76    | 0               | 9795                               | 2602N                               | 07827E       | 29.5         | 141.7                 | FFFF                |                      | 156                     | 42                     |
| 2703-04223        | 00000/0000                                     | 2-2003R/0140     | 12/25/76    | 0               | 9795                               | 2436N                               | 07803E       | 30.5         | 140.9                 | FFFF                |                      | 156                     | 43                     |
| 2703-04230        | 00000/0000                                     | 2-2003R/0141     | 12/25/76    | 0               | 9795                               | 2310N                               | 07740E       | 31.5         | 140.2                 | FFFF                |                      | 156                     | 44                     |
| 2703-04232        | 00000/0000                                     | 2-2003R/0142     | 12/25/76    | 0               | 9795                               | 2143N                               | 07718E       | 32.4         | 139.4                 | FFFF                |                      | 156                     | 45                     |
| 2703-04235        | 00000/0000                                     | 2-2003R/0143     | 12/25/76    | 10              | 9795                               | 2016N                               | 07657E       | 33.3         | 138.5                 | FFFF                |                      | 156                     | 46                     |
| 2703-04241        | 00000/0000                                     | 2-2003R/0144     | 12/25/76    | 10              | 9795                               | 1850N                               | 07636E       | 34.2         | 137.7                 | FFFF                |                      | 156                     | 47                     |
| 2703-04244        | 00000/0000                                     | 2-2003R/0145     | 12/25/76    | 10              | 9795                               | 1723N                               | 07614E       | 35.1         | 136.8                 | FFFG                |                      | 156                     | 48                     |
| 2703-04250        | 00000/0000                                     | 2-2003R/0146     | 12/25/76    | 0               | 9795                               | 1556N                               | 07552E       | 36.0         | 135.9                 | FFFG                |                      | 156                     | 49                     |
| 2703-04253        | 00000/0000                                     | 2-2003R/0147     | 12/25/76    | 0               | 9795                               | 1429N                               | 07532E       | 36.9         | 135.0                 | FGFG                |                      | 156                     | 50                     |
| 2703-04255        | 00000/0000                                     | 2-2003R/0148     | 12/25/76    | 10              | 9795                               | 1303N                               | 07512E       | 37.7         | 134.0                 | FFFG                |                      | 156                     | 51                     |
| 2703-04262        | 00000/0000                                     | 2-2003R/0149     | 12/25/76    | 20              | 9795                               | 1136N                               | 07451E       | 38.6         | 133.0                 | FFFF                |                      | 156                     | 52                     |
| 2703-04305        | 00000/0000                                     | 2-2003R/0150     | 12/25/76    | 60              | 9795                               | 0918S                               | 07109E       | 46.0         | 119.7                 | GGGG                |                      | 156                     | 63                     |
| 2703-04312        | 00000/0000                                     | 2-2003R/0151     | 12/25/76    | 30              | 9795                               | 0545S                               | 07050E       | 46.5         | 118.3                 | GGGG                |                      | 156                     | 64                     |
| 2703-04314        | 00000/0000                                     | 2-2003R/0152     | 12/25/76    | 40              | 9795                               | 0312S                               | 07030E       | 47.0         | 116.8                 | GGGG                |                      | 156                     | 65                     |
| 2703-05573        | 00000/0000                                     | 2-2003R/0153     | 12/25/76    | 10              | 9796                               | 5306N                               | 06219E       | 9.6          | 153.8                 | FGFF                |                      | 174                     | 23                     |
| 2703-05575        | 00000/0000                                     | 2-2003R/0154     | 12/25/76    | 10              | 9796                               | 5142N                               | 06137E       | 10.7         | 153.2                 | GGFG                |                      | 174                     | 24                     |
| 2703-05582        | 00000/0000                                     | 2-2003R/0155     | 12/25/76    | 0               | 9796                               | 5017N                               | 06056E       | 11.8         | 152.5                 | GFFG                |                      | 174                     | 25                     |
| 2703-05584        | 00000/0000                                     | 2-2003R/0156     | 12/25/76    | 0               | 9796                               | 4853N                               | 06018E       | 12.9         | 151.9                 | FFGF                |                      | 174                     | 26                     |
| 2703-05591        | 00000/0000                                     | 2-2003R/0157     | 12/25/76    | 0               | 9796                               | 4728N                               | 05941E       | 14.0         | 151.3                 | FGFG                |                      | 174                     | 27                     |
| 2703-06000        | 00000/0000                                     | 2-2003R/0158     | 12/25/76    | 60              | 9796                               | 4437N                               | 05833E       | 15.1         | 150.1                 | GGGG                |                      | 174                     | 29                     |
| 2703-06002        | 00000/0000                                     | 2-2003R/0159     | 12/25/76    | 20              | 9796                               | 4312N                               | 05800E       | 17.2         | 149.5                 | FGGG                |                      | 174                     | 30                     |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER,  
IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR N4N-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICKSFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ELEV | SUN<br>AZIM. | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | IMAGE-QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-------------|--------------|------------------------------------|-------------------------------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2703-06014        | 00000/0000 2-20038/0157                        | 12/25/76         | 10             | 9796        | 3855N        | 05628E                             | 20.4 147.7                          |                   |             |                     |                      |                         |                        |
| 2703-06020        | 00000/0000 2-20038/0158                        | 12/25/76         | 30             | 9796        | 3730N        | 05600E                             | 21.4 147.1                          | FGG               |             |                     |                      | 174                     | 33                     |
| 2703-06023        | 00000/0000 2-20038/0159                        | 12/25/76         | 80             | 9796        | 3604N        | 05532E                             | 22.5 146.4                          | FGGG              |             |                     |                      | 174                     | 34                     |
| 2703-06025        | 00000/0000 2-20038/0160                        | 12/25/76         | 40             | 9796        | 3438N        | 05505E                             | 23.5 145.8                          | FGGG              |             |                     |                      | 174                     | 35                     |
| 2703-06032        | 00000/0000 2-20038/0161                        | 12/25/76         | 10             | 9796        | 3312N        | 05439E                             | 24.5 145.2                          | FFGF              |             |                     |                      | 174                     | 36                     |
| 2703-06041        | 00000/0000 2-20037/1319                        | 12/25/76         | 0              | 9796        | 3020N        | 05348E                             | 26.6 143.8                          | FFGF              |             |                     |                      | 174                     | 37                     |
| 2703-06043        | 00000/0000 2-20037/1320                        | 12/25/76         | 0              | 9796        | 2854N        | 05324E                             | 27.6 143.1                          | GFGG              |             |                     |                      | 174                     | 39                     |
| 2703-06050        | 00000/0000 2-20037/1321                        | 12/25/76         | 0              | 9796        | 2727N        | 05300E                             | 28.6 142.4                          | GGGG              |             |                     |                      | 174                     | 40                     |
| 2703-07420        | 00000/0000 2-20037/1322                        | 12/25/76         | 90             | 9797        | 4852N        | 03427E                             | 12.9 151.9                          | GGGG              |             |                     |                      | 174                     | 41                     |
| 2703-07422        | 00000/0000 2-20037/1323                        | 12/25/76         | 90             | 9797        | 4728N        | 03350E                             | 14.0 151.3                          | GGGG              |             |                     |                      | 192                     | 26                     |
| 2703-07425        | 00000/0000 2-20037/1324                        | 12/25/76         | 90             | 9797        | 4602N        | 03316E                             | 15.1 150.7                          | GGGG              |             |                     |                      | 192                     | 27                     |
| 2703-07431        | 00000/0000 2-20037/1325                        | 12/25/76         | 90             | 9797        | 4436N        | 03242E                             | 16.1 150.1                          | GGGG              |             |                     |                      | 192                     | 28                     |
| 2703-14344        | 00000/0000 2-20037/1329                        | 12/25/76         | 10             | 9801        | 5020N        | 06807W                             | 11.8 152.5                          | GGG               |             |                     |                      | 192                     | 29                     |
| 2703-14350        | 00000/0000 2-20037/1330                        | 12/25/76         | 40             | 9801        | 4855N        | 06845W                             | 12.9 151.9                          | GGGG              |             |                     |                      | 13                      | 25                     |
| 2703-14403        | 00000/0000 2-20037/1331                        | 12/25/76         | 40             | 9801        | 3020N        | 07517W                             | 26.5 143.8                          | GGGG              |             |                     |                      | 13                      | 26                     |
| 2703-14405        | 00000/0000 2-20037/1335                        | 12/25/76         | 40             | 9801        | 2854N        | 07541W                             | 27.5 143.1                          | GGGG              |             |                     |                      | 13                      | 39                     |
| 2703-14412        | 00000/0000 2-20037/1332                        | 12/25/76         | 60             | 9801        | 2728N        | 07404W                             | 28.5 142.4                          | GG                |             |                     |                      | 13                      | 40                     |
| 2703-14414        | 00000/0000 2-20037/1333                        | 12/25/76         | 30             | 9801        | 2602N        | 07428W                             | 29.5 141.6                          | GGGG              |             |                     |                      | 13                      | 41                     |
| 2703-14421        | 00000/0000 2-20037/1334                        | 12/25/76         | 80             | 9801        | 2436N        | 07450W                             | 30.5 140.9                          | GGGG              |             |                     |                      | 13                      | 42                     |
| 2703-16173        | 00000/0000 2-20037/1326                        | 12/25/76         | 50             | 9802        | 5143N        | 09321W                             | 10.7 153.1                          | GFGG              |             |                     |                      | 13                      | 43                     |
| 2703-16175        | 00000/0000 2-20037/1327                        | 12/25/76         | 60             | 9802        | 5018N        | 09401W                             | 11.8 152.5                          | GGGF              |             |                     |                      | 31                      | 24                     |
| 2703-18011        | 00000/0000 2-20037/1328                        | 12/25/76         | 90             | 9803        | 5019N        | 11948W                             | 11.8 152.5                          | FFGG              |             |                     |                      | 31                      | 25                     |
| 2704-02411        | 00000/0000 2-20038/0326                        | 12/26/76         | 10             | 9808        | 3730N        | 10411E                             | 21.4 147.0                          | GFGG              |             |                     |                      | 49                      | 25                     |
| 2704-02414        | 00000/0000 2-20038/0327                        | 12/26/76         | 70             | 9808        | 3604N        | 10543E                             | 22.4 146.3                          | GGGG              |             |                     |                      | 139                     | 34                     |
| 2704-02420        | 00000/0000 2-20038/0328                        | 12/26/76         | 80             | 9808        | 3438N        | 10516E                             | 23.5 145.7                          | GGGG              |             |                     |                      | 139                     | 35                     |
| 2704-02423        | 00000/0000 2-20038/0329                        | 12/26/76         | 70             | 9808        | 3312N        | 10450E                             | 24.5 145.0                          | GGGG              |             |                     |                      | 139                     | 36                     |
| 2704-02425        | 00000/0000 2-20038/0330                        | 12/26/76         | 80             | 9808        | 3146N        | 10425E                             | 25.5 144.4                          | GGGG              |             |                     |                      | 139                     | 37                     |
| 2704-02432        | 00000/0000 2-20038/0331                        | 12/26/76         | 90             | 9808        | 3020N        | 10400E                             | 26.5 143.7                          | GGGG              |             |                     |                      | 139                     | 38                     |
| 2704-02434        | 00000/0000 2-20038/0332                        | 12/26/76         | 90             | 9808        | 2854N        | 10336E                             | 27.5 143.0                          | GGGG              |             |                     |                      | 139                     | 39                     |
| 2704-02441        | 00000/0000 2-20038/0333                        | 12/26/76         | 70             | 9808        | 2728N        | 10312E                             | 28.5 142.3                          | GGGG              |             |                     |                      | 139                     | 40                     |
| 2704-02443        | 00000/0000 2-20038/0334                        | 12/26/76         | 20             | 9808        | 2601N        | 10249E                             | 29.5 141.6                          | GGGG              |             |                     |                      | 139                     | 41                     |
| 2704-02450        | 00000/0000 2-20038/0335                        | 12/26/76         | 20             | 9808        | 2435N        | 10225E                             | 30.5 140.8                          | GGGG              |             |                     |                      | 139                     | 42                     |
| 2704-04195        | 00000/0000 2-20038/0162                        | 12/26/76         | 0              | 9809        | 5306N        | 08643E                             | 9.6 153.7                           | GGGG              |             |                     |                      | 139                     | 43                     |
| 2704-04202        | 00000/0000 2-20038/0163                        | 12/26/76         | 0              | 9809        | 5141N        | 08600E                             | 10.7 153.1                          | FFGG              |             |                     |                      | 157                     | 23                     |
| 2704-04204        | 00000/0000 2-20038/0164                        | 12/26/76         | 10             | 9809        | 5016N        | 08520E                             | 11.8 152.4                          | FFGG              |             |                     |                      | 157                     | 24                     |
| 2704-04211        | 00000/0000 2-20038/0165                        | 12/26/76         | 0              | 9809        | 4851N        | 08442E                             | 12.9 151.8                          | FFFG              |             |                     |                      | 157                     | 25                     |
|                   |                                                |                  |                |             |              |                                    |                                     |                   |             |                     |                      | 157                     | 26                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NASA-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SBBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2704-04213        | 00000/0000                   | 2-20038/0166                | 12/26/76         | 0              | 9809            | 4707N                              | 08405E                              | 14.0         | 151.2        | FFFF                               |                     |                      | 157                     | 27                     |
| 2704-04220        | 00000/0000                   | 2-20038/0167                | 12/26/76         | 0              | 9809            | 4602N                              | 08329E                              | 15.0         | 150.6        | FFFF                               |                     |                      | 157                     | 28                     |
| 2704-04225        | 00000/0000                   | 2-20038/0168                | 12/26/76         | 0              | 9809            | 4312N                              | 08222E                              | 17.2         | 149.4        | FFFF                               |                     |                      | 157                     | 30                     |
| 2704-04231        | 00000/0000                   | 2-20038/0169                | 12/26/76         | 40             | 9809            | 4146N                              | 08151E                              | 18.3         | 148.8        | FFFF                               |                     |                      | 157                     | 31                     |
| 2704-04234        | 00000/0000                   | 2-20038/0170                | 12/26/76         | 100            | 9809            | 4021N                              | 08120E                              | 19.3         | 148.2        | FFFF                               |                     |                      | 157                     | 32                     |
| 2704-04240        | 00000/0000                   | 2-20038/0171                | 12/26/76         | 100            | 9809            | 3855N                              | 08051E                              | 20.4         | 147.6        | FFFF                               |                     |                      | 157                     | 33                     |
| 2704-04243        | 00000/0000                   | 2-20038/0172                | 12/26/76         | 100            | 9809            | 3729N                              | 08022E                              | 21.4         | 146.9        | FFFF                               |                     |                      | 157                     | 34                     |
| 2704-04245        | 00000/0000                   | 2-20038/0173                | 12/26/76         | 90             | 9809            | 3603N                              | 07955E                              | 22.5         | 146.3        | FFFF                               |                     |                      | 157                     | 35                     |
| 2704-04252        | 00000/0000                   | 2-20038/0174                | 12/26/76         | 90             | 9809            | 3438N                              | 07928E                              | 23.5         | 145.7        | FGFF                               |                     |                      | 157                     | 36                     |
| 2704-04254        | 00000/0000                   | 2-20038/0175                | 12/26/76         | 90             | 9809            | 3312N                              | 07901E                              | 24.5         | 145.0        | FGFF                               |                     |                      | 157                     | 37                     |
| 2704-04261        | 00000/0000                   | 2-20038/0176                | 12/26/76         | 90             | 9809            | 3146N                              | 07836E                              | 25.5         | 144.4        | FGFF                               |                     |                      | 157                     | 38                     |
| 2704-04263        | 00000/0000                   | 2-20038/0177                | 12/26/76         | 50             | 9809            | 3020N                              | 07811E                              | 26.5         | 143.7        | FGFF                               |                     |                      | 157                     | 39                     |
| 2704-04270        | 00000/0000                   | 2-20038/0178                | 12/26/76         | 20             | 9809            | 2854N                              | 07747E                              | 27.5         | 143.0        | FFFF                               |                     |                      | 157                     | 40                     |
| 2704-04272        | 00000/0000                   | 2-20038/0179                | 12/26/76         | 10             | 9809            | 2728N                              | 07722E                              | 28.5         | 142.3        | FFFF                               |                     |                      | 157                     | 41                     |
| 2704-04275        | 00000/0000                   | 2-20038/0180                | 12/26/76         | 0              | 9809            | 2602N                              | 07659E                              | 29.5         | 141.6        | FFFF                               |                     |                      | 157                     | 42                     |
| 2704-04281        | 00000/0000                   | 2-20038/0181                | 12/26/76         | 0              | 9809            | 2435N                              | 07636E                              | 30.5         | 140.8        | FFFF                               |                     |                      | 157                     | 43                     |
| 2704-04284        | 00000/0000                   | 2-20038/0182                | 12/26/76         | 0              | 9809            | 2309N                              | 07613E                              | 31.4         | 140.0        | FFFF                               |                     |                      | 157                     | 44                     |
| 2704-04290        | 00000/0000                   | 2-20038/0183                | 12/26/76         | 0              | 9809            | 2142N                              | 07551E                              | 32.4         | 139.2        | FFFF                               |                     |                      | 157                     | 45                     |
| 2704-04293        | 00000/0000                   | 2-20038/0184                | 12/26/76         | 0              | 9809            | 2016N                              | 07530E                              | 33.3         | 138.4        | FFFF                               |                     |                      | 157                     | 46                     |
| 2704-04295        | 00000/0000                   | 2-20038/0185                | 12/26/76         | 10             | 9809            | 1849N                              | 07508E                              | 34.2         | 137.6        | FFFF                               |                     |                      | 157                     | 47                     |
| 2704-04302        | 00000/0000                   | 2-20038/0186                | 12/26/76         | 10             | 9809            | 1722N                              | 07446E                              | 35.1         | 136.7        | FFFF                               |                     |                      | 157                     | 48                     |
| 2704-04304        | 00000/0000                   | 2-20038/0187                | 12/26/76         | 10             | 9809            | 1555N                              | 07425E                              | 36.0         | 135.8        | FFFF                               |                     |                      | 157                     | 49                     |
| 2704-04311        | 00000/0000                   | 2-20038/0188                | 12/26/76         | 10             | 9809            | 1428N                              | 07405E                              | 36.8         | 134.8        | FFFF                               |                     |                      | 157                     | 50                     |
| 2704-04313        | 00000/0000                   | 2-20038/0189                | 12/26/76         | 10             | 9809            | 1302N                              | 07344E                              | 37.7         | 133.9        | FFFF                               |                     |                      | 157                     | 51                     |
| 2704-06031        | 00000/0000                   | 2-20038/0190                | 12/26/76         | 0              | 9810            | 5309N                              | 06055E                              | 9.6          | 153.7        | FFFF                               |                     |                      | 175                     | 23                     |
| 2704-06033        | 00000/0000                   | 2-20038/0191                | 12/26/76         | 0              | 9810            | 5145N                              | 06013E                              | 10.7         | 153.1        | FFF                                |                     |                      | 175                     | 24                     |
| 2704-06040        | 00000/0000                   | 2-20038/0192                | 12/26/76         | 0              | 9810            | 5020N                              | 05932E                              | 11.8         | 152.4        | FFFF                               |                     |                      | 175                     | 25                     |
| 2704-06042        | 00000/0000                   | 2-20038/0193                | 12/26/76         | 10             | 9810            | 4855N                              | 05853E                              | 12.8         | 151.8        | PPPP                               |                     |                      | 175                     | 26                     |
| 2704-06051        | 00000/0000                   | 2-20038/0194                | 12/26/76         | 90             | 9810            | 4606N                              | 05741E                              | 15.0         | 150.6        | FF                                 |                     |                      | 175                     | 28                     |
| 2704-06054        | 00000/0000                   | 2-20038/0195                | 12/26/76         | 90             | 9810            | 4440N                              | 05707E                              | 16.1         | 150.0        | FFFF                               |                     |                      | 175                     | 29                     |
| 2704-06060        | 00000/0000                   | 2-20038/0196                | 12/26/76         | 90             | 9810            | 4315N                              | 05635E                              | 17.2         | 149.4        | FFFF                               |                     |                      | 175                     | 30                     |
| 2704-06063        | 00000/0000                   | 2-20038/0197                | 12/26/76         | 90             | 9810            | 4149N                              | 05604E                              | 18.2         | 148.8        | FFFF                               |                     |                      | 175                     | 31                     |
| 2704-06065        | 00000/0000                   | 2-20038/0198                | 12/26/76         | 100            | 9810            | 4024N                              | 05533E                              | 19.3         | 148.2        | FFFF                               |                     |                      | 175                     | 32                     |
| 2704-06072        | 00000/0000                   | 2-20038/0199                | 12/26/76         | 90             | 9810            | 3858N                              | 05504E                              | 20.3         | 147.6        | FFFF                               |                     |                      | 175                     | 33                     |
| 2704-06074        | 00000/0000                   | 2-20038/0200                | 12/26/76         | 70             | 9810            | 3722N                              | 05435E                              | 21.4         | 147.0        | FFFF                               |                     |                      | 175                     | 34                     |
| 2704-06081        | 00000/0000                   | 2-20038/0201                | 12/26/76         | 90             | 9810            | 3607N                              | 05408E                              | 22.4         | 146.3        | FFFF                               |                     |                      | 175                     | 35                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS-HAND NOT AVAILABLE. 0=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>RBV | REEL NO.<br>IN<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RRV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|---------------------------------|-----------------------|------------------|----------------|-----------------|-----------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2704-07465        | 00000/0000                      | 2-20038/0336          | 12/26/76         | 30             | 9811            | 5145N                 | 03423E        | 10.7         | 153.1        | GGGG                  |                     |                      | 193                     | 24                     |
| 2704-07471        | 00000/0000                      | 2-20038/0337          | 12/26/76         | 10             | 9811            | 5020N                 | 03342E        | 11.8         | 152.4        | FGGG                  |                     |                      | 193                     | 25                     |
| 2704-07474        | 00000/0000                      | 2-20038/0338          | 12/26/76         | 0              | 9811            | 4855N                 | 03303E        | 12.9         | 151.8        | GGGG                  |                     |                      | 193                     | 26                     |
| 2704-07480        | 00000/0000                      | 2-20038/0339          | 12/26/76         | 10             | 9811            | 4730N                 | 03226E        | 13.9         | 151.2        | GGGG                  |                     |                      | 193                     | 27                     |
| 2704-07483        | 00000/0000                      | 2-20038/0340          | 12/26/76         | 20             | 9811            | 4605N                 | 03151E        | 15.0         | 150.6        | GGGG                  |                     |                      | 193                     | 28                     |
| 2704-14402        | 00000/0000                      | 2-20037/1336          | 12/26/76         | 70             | 9815            | 5019N                 | 06937W        | 11.8         | 152.4        | PPGF                  |                     |                      | 14                      | 25                     |
| 2704-14404        | 00000/0000                      | 2-20037/1337          | 12/26/76         | 90             | 9815            | 4854N                 | 07015W        | 12.9         | 151.7        | PPGG                  |                     |                      | 14                      | 26                     |
| 2704-14472        | 00000/0000                      | 2-20037/1338          | 12/26/76         | 80             | 9815            | 2601N                 | 07753W        | 29.5         | 141.5        | GGGF                  |                     |                      | 14                      | 42                     |
| 2704-14475        | 00000/0000                      | 2-20037/1339          | 12/26/76         | 60             | 9815            | 2435N                 | 07817W        | 30.4         | 140.7        | GGGG                  |                     |                      | 14                      | 43                     |
| 2704-23411        | 00000/0000                      | 2-20038/0100          | 12/26/76         | 60             | 9820            | 3434S                 | 13759E        | 47.9         | 87.4         | GGGG                  |                     |                      | 104                     | 84                     |
| 2705-01163        | 00000/0000                      | 2-20038/0101          | 12/27/76         | 10             | 9821            | 0713S                 | 11914E        | 46.8         | 116.6        | GGGG                  | H                   |                      | 122                     | 65                     |
| 2705-01170        | 00000/0000                      | 2-20038/0102          | 12/27/76         | 20             | 9821            | 0840S                 | 11854E        | 47.2         | 115.2        | GGGG                  | H                   |                      | 122                     | 66                     |
| 2705-01172        | 00000/0000                      | 2-20038/0103          | 12/27/76         | 20             | 9821            | 1007S                 | 11834E        | 47.6         | 113.7        | GGGG                  | H                   |                      | 122                     | 67                     |
| 2705-02465        | 00000/0000                      | 2-20038/0104          | 12/27/76         | 0              | 9822            | 3732N                 | 10445E        | 21.3         | 146.8        | GGF3                  |                     |                      | 140                     | 34                     |
| 2705-02483        | 00000/0000                      | 2-20038/0105          | 12/27/76         | 20             | 9822            | 3149N                 | 10259E        | 25.5         | 144.3        | FGFG                  |                     |                      | 140                     | 38                     |
| 2705-02522        | 00000/0000                      | 2-20038/0106          | 12/27/76         | 10             | 9822            | 1853N                 | 09933E        | 34.1         | 137.5        | GGGG                  |                     |                      | 140                     | 47                     |
| 2705-02524        | 00000/0000                      | 2-20038/0107          | 12/27/76         | 40             | 9822            | 1726N                 | 09911E        | 35.0         | 136.6        | GGGG                  |                     |                      | 140                     | 48                     |
| 2705-02531        | 00000/0000                      | 2-20038/0108          | 12/27/76         | 40             | 9822            | 1559N                 | 09850E        | 35.9         | 135.7        | GGGG                  |                     |                      | 140                     | 49                     |
| 2705-04253        | 00000/0000                      | 2-20038/0203          | 12/27/76         | 0              | 9823            | 5309N                 | 08520E        | 9.6          | 153.6        | GGGF                  |                     |                      | 158                     | 23                     |
| 2705-04260        | 00000/0000                      | 2-20038/0204          | 12/27/76         | 10             | 9823            | 5145N                 | 08438E        | 10.7         | 152.9        | FGGF                  |                     |                      | 158                     | 24                     |
| 2705-04262        | 00000/0000                      | 2-20038/0205          | 12/27/76         | 10             | 9823            | 5020N                 | 08357E        | 11.8         | 152.3        | GGGG                  |                     |                      | 158                     | 25                     |
| 2705-04265        | 00000/0000                      | 2-20038/0206          | 12/27/76         | 0              | 9823            | 4855N                 | 08317E        | 12.8         | 151.7        | GGGG                  |                     |                      | 158                     | 26                     |
| 2705-04271        | 00000/0000                      | 2-20038/0207          | 12/27/76         | 0              | 9823            | 4730N                 | 08239E        | 13.9         | 151.1        | GGGG                  |                     |                      | 158                     | 27                     |
| 2705-04274        | 00000/0000                      | 2-20038/0208          | 12/27/76         | 10             | 9823            | 4605N                 | 08204E        | 15.0         | 150.5        | FGGF                  |                     |                      | 158                     | 28                     |
| 2705-04280        | 00000/0000                      | 2-20038/0209          | 12/27/76         | 0              | 9823            | 4440N                 | 08129E        | 16.1         | 149.9        | GGFG                  |                     |                      | 158                     | 29                     |
| 2705-04283        | 00000/0000                      | 2-20038/0210          | 12/27/76         | 0              | 9823            | 4314N                 | 08057E        | 17.1         | 149.3        | GGFG                  |                     |                      | 158                     | 30                     |
| 2705-04285        | 00000/0000                      | 2-20038/0211          | 12/27/76         | 10             | 9823            | 4149N                 | 08025E        | 18.2         | 148.7        | GGGG                  |                     |                      | 158                     | 31                     |
| 2705-04292        | 00000/0000                      | 2-20038/0212          | 12/27/76         | 10             | 9823            | 4024N                 | 07955E        | 19.3         | 148.1        | FGFF                  |                     |                      | 158                     | 32                     |
| 2705-04294        | 00000/0000                      | 2-20038/0213          | 12/27/76         | 50             | 9823            | 3858N                 | 07925E        | 20.3         | 147.4        | FGGG                  |                     |                      | 158                     | 33                     |
| 2705-04301        | 00000/0000                      | 2-20038/0214          | 12/27/76         | 80             | 9823            | 3733N                 | 07857E        | 21.4         | 146.8        | GGFG                  |                     |                      | 158                     | 34                     |
| 2705-04303        | 00000/0000                      | 2-20038/0215          | 12/27/76         | 20             | 9823            | 3607N                 | 07829E        | 22.4         | 146.2        | GGGG                  |                     |                      | 158                     | 35                     |
| 2705-04310        | 00000/0000                      | 2-20038/0216          | 12/27/76         | 30             | 9823            | 3441N                 | 07802E        | 23.4         | 145.6        | GGGG                  |                     |                      | 158                     | 36                     |
| 2705-04312        | 00000/0000                      | 2-20038/0217          | 12/27/76         | 10             | 9823            | 3315N                 | 07736E        | 24.4         | 144.9        | GGGG                  |                     |                      | 158                     | 37                     |
| 2705-04315        | 00000/0000                      | 2-20038/0218          | 12/27/76         | 10             | 9823            | 3149N                 | 07710E        | 25.5         | 144.3        | FGGG                  |                     |                      | 158                     | 38                     |
| 2705-04321        | 00000/0000                      | 2-20038/0219          | 12/27/76         | 0              | 9823            | 3023N                 | 07645E        | 26.5         | 143.6        | GGGG                  |                     |                      | 158                     | 39                     |
| 2705-04324        | 00000/0000                      | 2-20038/0220          | 12/27/76         | 0              | 9823            | 2857N                 | 07621E        | 27.5         | 142.9        | FFFF                  |                     |                      | 158                     | 40                     |

KEYS: CLOUD COVER = ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
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FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2705-04330        | 00000/0000                   | 2-2003R/0221                | 12/27/76         | 0              | 9823            | 2731N                        | 07557E        | 28.4         | 142.2        | FGGG                               |                     |                      | 158                     | 41                     |
| 2705-04333        | 00000/0000                   | 2-2003R/0222                | 12/27/76         | 10             | 9823            | 2695N                        | 07533E        | 29.4         | 141.4        | GGGG                               |                     |                      | 158                     | 42                     |
| 2705-04335        | 00000/0000                   | 2-2003R/0223                | 12/27/76         | 10             | 9823            | 2438N                        | 07511E        | 30.4         | 140.7        | FGGG                               |                     |                      | 158                     | 43                     |
| 2705-04342        | 00000/0000                   | 2-2003R/0224                | 12/27/76         | 0              | 9823            | 2311N                        | 07448E        | 31.3         | 139.9        | FGGG                               |                     |                      | 158                     | 44                     |
| 2705-04344        | 00000/0000                   | 2-2003R/0225                | 12/27/76         | 0              | 9823            | 2144N                        | 07426E        | 32.3         | 139.1        | FFGG                               |                     |                      | 158                     | 45                     |
| 2705-04351        | 00000/0000                   | 2-2003R/0226                | 12/27/76         | 0              | 9823            | 2018N                        | 07405E        | 33.2         | 138.3        | FFGG                               |                     |                      | 158                     | 46                     |
| 2705-04353        | 00000/0000                   | 2-2003R/0227                | 12/27/76         | 0              | 9823            | 1852N                        | 07343E        | 34.1         | 137.4        | FFFF                               |                     |                      | 158                     | 47                     |
| 2705-04360        | 00000/0000                   | 2-2003R/0341                | 12/27/76         | 20             | 9823            | 1724N                        | 07322E        | 35.0         | 136.6        | F                                  |                     |                      | 158                     | 48                     |
| 2705-06085        | 00000/0000                   | 2-2003R/0228                | 12/27/76         | 10             | 9824            | 5309N                        | 05931E        | 9.6          | 153.6        | FFFF                               |                     |                      | 176                     | 23                     |
| 2705-06092        | 00000/0000                   | 2-2003R/0202                | 12/27/76         | 0              | 9824            | 5145N                        | 05848E        | 10.7         | 152.9        | F FF                               |                     |                      | 176                     | 24                     |
| 2705-06094        | 00000/0000                   | 2-2003R/0229                | 12/27/76         | 10             | 9824            | 5020N                        | 05807E        | 11.8         | 152.3        | FFFF                               |                     |                      | 176                     | 25                     |
| 2705-06101        | 00000/0000                   | 2-2003R/0230                | 12/27/76         | 70             | 9824            | 4855N                        | 05729E        | 12.8         | 151.7        | PFFF                               |                     |                      | 176                     | 26                     |
| 2705-06110        | 00000/0000                   | 2-2003R/0231                | 12/27/76         | 90             | 9824            | 4606N                        | 05617E        | 15.0         | 150.5        | FFGF                               |                     |                      | 176                     | 28                     |
| 2705-06112        | 00000/0000                   | 2-2003R/0232                | 12/27/76         | 90             | 9824            | 4441N                        | 05543E        | 16.1         | 149.8        | FGGF                               |                     |                      | 176                     | 29                     |
| 2705-06115        | 00000/0000                   | 2-2003R/0233                | 12/27/76         | 100            | 9824            | 4315N                        | 05510E        | 17.1         | 149.2        | FGFF                               |                     |                      | 176                     | 30                     |
| 2705-06121        | 00000/0000                   | 2-2003R/0234                | 12/27/76         | 90             | 9824            | 4149N                        | 05438E        | 18.2         | 148.6        | GGGF                               |                     |                      | 176                     | 31                     |
| 2705-07530        | 00000/0000                   | 2-2003R/0342                | 12/27/76         | 10             | 9825            | 5020N                        | 03217E        | 11.8         | 152.3        | FFFF                               |                     |                      | 194                     | 25                     |
| 2705-07532        | 00000/0000                   | 2-2003R/0343                | 12/27/76         | 20             | 9825            | 4855N                        | 03138E        | 12.9         | 151.7        | GGG                                |                     |                      | 194                     | 26                     |
| 2705-07535        | 00000/0000                   | 2-2003R/0344                | 12/27/76         | 10             | 9825            | 4730N                        | 03101E        | 13.9         | 151.0        | GGGG                               |                     |                      | 194                     | 27                     |
| 2705-07541        | 00000/0000                   | 2-2003R/0345                | 12/27/76         | 10             | 9825            | 4604N                        | 03027E        | 15.0         | 150.4        | GGGG                               |                     |                      | 194                     | 28                     |
| 2705-23463        | 00000/0000                   | 2-2003R/0346                | 12/27/76         | 10             | 9834            | 3306S                        | 13659E        | 48.1         | 88.9         | GGGG                               |                     |                      | 105                     | 83                     |
| 2706-02524        | 00000/0000                   | 2-2003R/0109                | 12/28/76         | 0              | 9836            | 3733N                        | 10318E        | 21.3         | 146.7        | GGGG                               |                     |                      | 141                     | 34                     |
| 2706-02530        | 00000/0000                   | 2-2003R/0110                | 12/28/76         | 10             | 9836            | 3607N                        | 10251E        | 22.4         | 146.1        | GGGG                               |                     |                      | 141                     | 35                     |
| 2706-02560        | 00000/0000                   | 2-2003R/0111                | 12/28/76         | 0              | 9836            | 2604N                        | 09957E        | 29.4         | 141.3        | GGGG                               |                     |                      | 141                     | 42                     |
| 2706-02580        | 00000/0000                   | 2-2003R/0112                | 12/28/76         | 40             | 9836            | 1851N                        | 09805E        | 34.1         | 137.3        | GGGG                               |                     |                      | 141                     | 47                     |
| 2706-02583        | 00000/0000                   | 2-2003R/0113                | 12/28/76         | 40             | 9836            | 1725N                        | 09744E        | 34.9         | 136.4        | GGGG                               |                     |                      | 141                     | 48                     |
| 2706-02585        | 00000/0000                   | 2-2003R/0114                | 12/28/76         | 40             | 9836            | 1558N                        | 09722E        | 35.8         | 135.5        | GGGG                               |                     |                      | 141                     | 49                     |
| 2706-04323        | 00000/0000                   | 2-2003R/0235                | 12/28/76         | 0              | 9837            | 4855N                        | 08149E        | 12.9         | 151.5        | FPP                                |                     |                      | 159                     | 26                     |
| 2706-04330        | 00000/0000                   | 2-2003R/0236                | 12/28/76         | 0              | 9837            | 4730N                        | 08112E        | 13.9         | 150.9        | GFPP                               |                     |                      | 159                     | 27                     |
| 2706-04332        | 00000/0000                   | 2-2003R/0237                | 12/28/76         | 10             | 9837            | 4605N                        | 08037E        | 15.0         | 150.3        | GFPP                               |                     |                      | 159                     | 28                     |
| 2706-04335        | 00000/0000                   | 2-2003R/0238                | 12/28/76         | 20             | 9837            | 4439N                        | 08003E        | 16.1         | 149.7        | FFFF                               |                     |                      | 159                     | 29                     |
| 2706-04341        | 00000/0000                   | 2-2003R/0239                | 12/28/76         | 60             | 9837            | 4314N                        | 07930E        | 17.1         | 149.1        | PPPP                               |                     |                      | 159                     | 30                     |
| 2706-04350        | 00000/0000                   | 2-2003R/0240                | 12/28/76         | 0              | 9837            | 4023N                        | 07828E        | 19.3         | 147.9        | PPPP                               |                     |                      | 159                     | 32                     |
| 2706-04355        | 00000/0000                   | 2-2003R/0241                | 12/28/76         | 0              | 9837            | 3732N                        | 07730E        | 21.3         | 146.7        | PPPP                               |                     |                      | 159                     | 34                     |
| 2706-04362        | 00000/0000                   | 2-2003R/0242                | 12/28/76         | 30             | 9837            | 3606N                        | 07702E        | 22.4         | 146.1        | PPPP                               |                     |                      | 159                     | 35                     |
| 2706-04364        | 00000/0000                   | 2-2003R/0243                | 12/28/76         | 80             | 9837            | 3440N                        | 07635E        | 23.4         | 145.4        | PPPP                               |                     |                      | 159                     | 36                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBV<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2706-04371        | 00000/0000                   | 2-2003R/0244               | 12/28/76         | 70             | 9837            | 3314N                        | 07409E        | 24.4         | 144.8        | PPPP                               |                     |                      | 159                     | 37                     |
| 2706-04380        | 00000/0000                   | 2-2003R/0245               | 12/28/76         | 0              | 9837            | 3022N                        | 07519E        | 26.4         | 143.4        | PPPP                               |                     |                      | 159                     | 39                     |
| 2706-04382        | 00000/0000                   | 2-2003R/0246               | 12/28/76         | 0              | 9837            | 2856N                        | 07454E        | 27.4         | 142.7        | PPPP                               |                     |                      | 159                     | 40                     |
| 2706-04385        | 00000/0000                   | 2-2003R/0247               | 12/28/76         | 10             | 9837            | 2730N                        | 07431E        | 28.4         | 142.0        | PPPP                               |                     |                      | 159                     | 41                     |
| 2706-04400        | 00000/0000                   | 2-2003R/0248               | 12/28/76         | 10             | 9837            | 2310N                        | 07322E        | 31.3         | 139.8        | FGGG                               |                     |                      | 159                     | 44                     |
| 2706-04403        | 00000/0000                   | 2-2003R/0249               | 12/28/76         | 0              | 9837            | 2144N                        | 07300E        | 32.2         | 139.0        | PPPP                               |                     |                      | 159                     | 45                     |
| 2706-04405        | 00000/0000                   | 2-2003R/0250               | 12/28/76         | 0              | 9837            | 2017N                        | 07238E        | 33.1         | 138.1        | FGGG                               |                     |                      | 159                     | 46                     |
| 2706-04412        | 00000/0000                   | 2-2003R/0251               | 12/28/76         | 10             | 9837            | 1850N                        | 07217E        | 34.1         | 137.3        | PPPP                               |                     |                      | 159                     | 47                     |
| 2706-06143        | 00000/0000                   | 2-2003R/0252               | 12/28/76         | 0              | 9838            | 5309N                        | 05A04E        | 9.6          | 153.5        | GGGG                               |                     |                      | 177                     | 23                     |
| 2706-06150        | 00000/0000                   | 2-2003R/0253               | 12/28/76         | 0              | 9838            | 5144N                        | 05721E        | 10.7         | 152.8        | GGGG                               |                     |                      | 177                     | 24                     |
| 2706-06152        | 00000/0000                   | 2-2003R/0254               | 12/28/76         | 10             | 9838            | 5020N                        | 05639E        | 11.8         | 152.2        | GGGG                               |                     |                      | 177                     | 25                     |
| 2706-06155        | 00000/0000                   | 2-2003R/0255               | 12/28/76         | 80             | 9838            | 4855N                        | 05600E        | 12.9         | 151.5        | GGGG                               |                     |                      | 177                     | 26                     |
| 2706-06161        | 00000/0000                   | 2-2003R/0256               | 12/28/76         | 100            | 9838            | 4730N                        | 05523E        | 13.9         | 150.9        | GGGG                               |                     |                      | 177                     | 27                     |
| 2706-06164        | 00000/0000                   | 2-2003R/0257               | 12/28/76         | 60             | 9838            | 4605N                        | 05448E        | 15.0         | 150.3        | GGGG                               |                     |                      | 177                     | 28                     |
| 2706-06170        | 00000/0000                   | 2-2003R/0258               | 12/28/76         | 80             | 9838            | 4439N                        | 05414E        | 16.1         | 149.7        | GGGG                               |                     |                      | 177                     | 29                     |
| 2706-06173        | 00000/0000                   | 2-2003R/0259               | 12/28/76         | 100            | 9838            | 4314N                        | 05341E        | 17.1         | 149.1        | GGGG                               |                     |                      | 177                     | 30                     |
| 2706-06175        | 00000/0000                   | 2-2003R/0260               | 12/28/76         | 90             | 9838            | 4148N                        | 05310E        | 18.2         | 148.5        | GGGG                               |                     |                      | 177                     | 31                     |
| 2706-07590        | 00000/0000                   | 2-2003R/0115               | 12/28/76         | 0              | 9839            | 4854N                        | 03012E        | 12.9         | 151.5        | GGGG                               |                     |                      | 195                     | 26                     |
| 2706-07593        | 00000/0000                   | 2-2003R/0116               | 12/28/76         | 0              | 9839            | 4729N                        | 02935E        | 13.9         | 150.9        | GGGG                               |                     |                      | 195                     | 27                     |
| 2706-07595        | 00000/0000                   | 2-2003R/0117               | 12/28/76         | 0              | 9839            | 4614N                        | 02859E        | 15.0         | 150.3        | GGGG                               |                     |                      | 195                     | 28                     |
| 2706-13092        | 00000/0000                   | 2-2003R/0261               | 12/28/76         | 100            | 9842            | 4730N                        | 04751W        | 13.9         | 150.9        | GGGG                               |                     |                      | 249                     | 27                     |
| 2706-13094        | 00000/0000                   | 2-2003R/0262               | 12/28/76         | 100            | 9842            | 4605N                        | 04827W        | 15.0         | 150.3        | GGGG                               |                     |                      | 249                     | 28                     |
| 2706-13101        | 00000/0000                   | 2-2003R/0263               | 12/28/76         | 100            | 9842            | 4439N                        | 04900W        | 16.1         | 149.7        | GGGG                               |                     |                      | 249                     | 29                     |
| 2706-13103        | 00000/0000                   | 2-2003R/0264               | 12/28/76         | 100            | 9842            | 4313N                        | 04932W        | 17.1         | 149.1        | GGGG                               |                     |                      | 249                     | 30                     |
| 2706-13110        | 00000/0000                   | 2-2003R/0265               | 12/28/76         | 70             | 9842            | 4148N                        | 05004W        | 18.2         | 148.5        | GGGG                               |                     |                      | 249                     | 31                     |
| 2706-14521        | 00000/0000                   | 2-2003R/0266               | 12/28/76         | 10             | 9843            | 4856N                        | 07308W        | 12.9         | 151.5        | GGGG                               |                     |                      | 16                      | 26                     |
| 2706-23521        | 00000/0000                   | 2-2003R/0267               | 12/28/76         | 10             | 9848            | 3306S                        | 13532E        | 47.9         | 88.9         | G                                  |                     |                      | 106                     | 83                     |
| 2707-02575        | 00000/0000                   | 2-2003R/0268               | 12/29/76         | 10             | 9850            | 3857N                        | 10222E        | 20.3         | 147.2        | GGGG                               |                     |                      | 142                     | 33                     |
| 2707-02582        | 00000/0000                   | 2-2003R/0269               | 12/29/76         | 10             | 9850            | 3724N                        | 10154E        | 21.3         | 146.6        | GGGG                               |                     |                      | 142                     | 34                     |
| 2707-04372        | 00000/0000                   | 2-2003R/0664               | 12/29/76         | 0              | 9851            | 5144N                        | 08143E        | 10.7         | 152.7        | GGGG                               |                     |                      | 160                     | 24                     |
| 2707-04375        | 00000/0000                   | 2-2003R/0665               | 12/29/76         | 0              | 9851            | 5019N                        | 08102E        | 11.8         | 152.0        | GGGG                               |                     |                      | 160                     | 25                     |
| 2707-04381        | 00000/0000                   | 2-2003R/0666               | 12/29/76         | 10             | 9851            | 4854N                        | 08024E        | 12.9         | 151.4        | GGGG                               |                     |                      | 160                     | 26                     |
| 2707-04384        | 00000/0000                   | 2-2003R/0667               | 12/29/76         | 30             | 9851            | 4729N                        | 07947E        | 13.9         | 150.8        | GGGG                               |                     |                      | 160                     | 27                     |
| 2707-04390        | 00000/0000                   | 2-2003R/0668               | 12/29/76         | 40             | 9851            | 4604N                        | 07911E        | 15.0         | 150.2        | GGGG                               |                     |                      | 160                     | 28                     |
| 2707-04393        | 00000/0000                   | 2-2003R/0669               | 12/29/76         | 60             | 9851            | 4439N                        | 07837E        | 16.1         | 149.6        | GGGG                               |                     |                      | 160                     | 29                     |
| 2707-04395        | 00000/0000                   | 2-2003R/0663               | 12/29/76         | 50             | 9851            | 4314N                        | 07805E        | 17.1         | 149.0        | G GG                               |                     |                      | 160                     | 30                     |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... 9=BLANKS=AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR N=N-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>REV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>REV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SUNBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|------------------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|--------------------------|------------------------|
| 2707-04402        | 00000/0000                                     | 2-2003R/0670     | 12/29/76       | 40                     | 9851                               | 4148N                               | 07733E       | 18.2         | 148.4                 | GGGG                |                      | 160                      | 31                     |
| 2707-04404        | 00000/0000                                     | 2-2003R/0671     | 12/29/76       | 10                     | 9851                               | 4023N                               | 07702E       | 19.3         | 147.8                 | GGGG                |                      | 160                      | 32                     |
| 2707-04411        | 00000/0000                                     | 2-2003R/0672     | 12/29/76       | 30                     | 9851                               | 3857N                               | 07633E       | 20.3         | 147.2                 | GGGG                |                      | 160                      | 33                     |
| 2707-04413        | 00000/0000                                     | 2-2003R/0673     | 12/29/76       | 10                     | 9851                               | 3731N                               | 07604E       | 21.3         | 146.5                 | GGGG                |                      | 160                      | 34                     |
| 2707-04420        | 00000/0000                                     | 2-2003R/0674     | 12/29/76       | 30                     | 9851                               | 3606N                               | 07537E       | 22.4         | 145.9                 | GGGG                |                      | 160                      | 35                     |
| 2707-04422        | 00000/0000                                     | 2-2003R/0675     | 12/29/76       | 70                     | 9851                               | 3440N                               | 07410E       | 23.4         | 145.3                 | GGGG                |                      | 160                      | 36                     |
| 2707-04425        | 00000/0000                                     | 2-2003R/0676     | 12/29/76       | 20                     | 9851                               | 3314N                               | 07444E       | 24.4         | 144.6                 | GGGG                |                      | 160                      | 37                     |
| 2707-04431        | 00000/0000                                     | 2-2003R/0677     | 12/29/76       | 0                      | 9851                               | 3147N                               | 07419E       | 25.4         | 144.0                 | GGGG                |                      | 160                      | 38                     |
| 2707-04434        | 00000/0000                                     | 2-2003R/0678     | 12/29/76       | 20                     | 9851                               | 3021N                               | 07354E       | 26.4         | 143.3                 | GGGG                |                      | 160                      | 39                     |
| 2707-04440        | 00000/0000                                     | 2-2003R/0679     | 12/29/76       | 50                     | 9851                               | 2855N                               | 07330E       | 27.4         | 142.6                 | GGGG                |                      | 160                      | 40                     |
| 2707-04443        | 00000/0000                                     | 2-2003R/0680     | 12/29/76       | 10                     | 9851                               | 2728N                               | 07306E       | 28.4         | 141.9                 | GGGG                |                      | 160                      | 41                     |
| 2707-04445        | 00000/0000                                     | 2-2003R/0681     | 12/29/76       | 0                      | 9851                               | 2602N                               | 07243E       | 29.4         | 141.1                 | GGGG                |                      | 160                      | 42                     |
| 2707-04452        | 00000/0000                                     | 2-2003R/0682     | 12/29/76       | 0                      | 9851                               | 2435N                               | 07202E       | 30.3         | 140.4                 | GGGG                |                      | 160                      | 43                     |
| 2707-04454        | 00000/0000                                     | 2-2003R/0683     | 12/29/76       | 0                      | 9851                               | 2309N                               | 07157E       | 31.3         | 139.6                 | GGGG                |                      | 160                      | 44                     |
| 2707-04461        | 00000/0000                                     | 2-2003R/0684     | 12/29/76       | 0                      | 9851                               | 2142N                               | 07135E       | 32.2         | 138.8                 | GGGG                |                      | 160                      | 45                     |
| 2707-04463        | 00000/0000                                     | 2-2003R/0685     | 12/29/76       | 0                      | 9851                               | 2016N                               | 07113E       | 33.1         | 138.0                 | GGGG                |                      | 160                      | 46                     |
| 2707-04470        | 00000/0000                                     | 2-2003R/0686     | 12/29/76       | 0                      | 9851                               | 1850N                               | 07051E       | 34.0         | 137.1                 | GGGG                |                      | 160                      | 47                     |
| 2707-06201        | 00000/0000                                     | 2-2003R/0687     | 12/29/76       | 70                     | 9852                               | 5308N                               | 05635E       | 9.6          | 153.3                 | GGGG                |                      | 178                      | 23                     |
| 2707-06204        | 00000/0000                                     | 2-2003R/0688     | 12/29/76       | 80                     | 9852                               | 5143N                               | 05552E       | 10.7         | 152.7                 | GGGG                |                      | 178                      | 24                     |
| 2707-06210        | 00000/0000                                     | 2-2003R/0689     | 12/29/76       | 90                     | 9852                               | 5019N                               | 05511E       | 11.8         | 152.0                 | GGGG                |                      | 178                      | 25                     |
| 2707-06213        | 00000/0000                                     | 2-2003R/0690     | 12/29/76       | 90                     | 9852                               | 4854N                               | 05433E       | 12.9         | 151.4                 | GGGG                |                      | 178                      | 26                     |
| 2707-06215        | 00000/0000                                     | 2-2003R/0691     | 12/29/76       | 90                     | 9852                               | 4728N                               | 05356E       | 14.0         | 150.8                 | GGGG                |                      | 178                      | 27                     |
| 2707-06222        | 00000/0000                                     | 2-2003R/0692     | 12/29/76       | 90                     | 9852                               | 4604N                               | 05321E       | 15.0         | 150.2                 | GGGG                |                      | 178                      | 28                     |
| 2707-06224        | 00000/0000                                     | 2-2003R/0693     | 12/29/76       | 90                     | 9852                               | 4438N                               | 05247E       | 16.1         | 149.6                 | GGGG                |                      | 178                      | 29                     |
| 2707-06240        | 00000/0000                                     | 2-2003R/0694     | 12/29/76       | 80                     | 9852                               | 4022N                               | 05113E       | 19.3         | 147.8                 | GGGG                |                      | 178                      | 30                     |
| 2707-08051        | 00000/0000                                     | 2-2003R/0695     | 12/29/76       | 10                     | 9853                               | 4727N                               | 02409E       | 14.0         | 150.8                 | GGGG                |                      | 196                      | 27                     |
| 2707-08054        | 00000/0000                                     | 2-2003R/0696     | 12/29/76       | 10                     | 9853                               | 4603N                               | 02333E       | 15.0         | 150.2                 | GGGG                |                      | 196                      | 28                     |
| 2707-13143        | 00000/0000                                     | 2-2003R/0697     | 12/29/76       | 90                     | 9856                               | 4856N                               | 04842W       | 12.9         | 151.4                 | GGGG                |                      | 250                      | 26                     |
| 2707-13150        | 00000/0000                                     | 2-2003R/0698     | 12/29/76       | 60                     | 9856                               | 4721N                               | 04910W       | 13.9         | 150.7                 | GGGG                |                      | 250                      | 27                     |
| 2707-13152        | 00000/0000                                     | 2-2003R/0699     | 12/29/76       | 10                     | 9856                               | 4605N                               | 04954W       | 15.0         | 150.1                 | GGGG                |                      | 250                      | 28                     |
| 2707-13155        | 00000/0000                                     | 2-2003R/0700     | 12/29/76       | 30                     | 9856                               | 4440N                               | 05028W       | 16.1         | 149.5                 | GGGG                |                      | 250                      | 29                     |
| 2707-13161        | 00000/0000                                     | 2-2003R/0701     | 12/29/76       | 80                     | 9856                               | 4315N                               | 05100W       | 17.1         | 148.9                 | GGGG                |                      | 250                      | 30                     |
| 2707-13164        | 00000/0000                                     | 2-2003R/0702     | 12/29/76       | 90                     | 9856                               | 4149N                               | 05132W       | 18.2         | 148.3                 | GGGG                |                      | 250                      | 31                     |
| 2707-14572        | 00000/0000                                     | 2-2003R/0703     | 12/29/76       | 10                     | 9857                               | 5020N                               | 07354W       | 11.8         | 152.0                 | GGGG                |                      | 17                       | 25                     |
| 2707-14575        | 00000/0000                                     | 2-2003R/0704     | 12/29/76       | 90                     | 9857                               | 4855N                               | 07432W       | 12.9         | 151.3                 | GGGG                |                      | 17                       | 26                     |
| 2708-03033        | 00000/0000                                     | 2-2003R/0705     | 12/30/76       | 0                      | 9864                               | 3857N                               | 10055E       | 20.3         | 147.0                 | GGGG                |                      | 143                      | 33                     |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |    |
|-------------------|------------------------------------------------|------------------|-----------------------|------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|----|
| 2708-03040        | 00000/0000                                     | 2-2003R/0371     | 12/30/76              | 0                                  | 9864         | 3731N        | 10026E            | 21.3                | 146.4                | FGGG                    | 143                    | 34 |
| 2708-03042        | 00000/0000                                     | 2-2003R/0372     | 12/30/76              | 10                                 | 9864         | 3605N        | 09958E            | 22.4                | 145.8                | FGGG                    | 143                    | 35 |
| 2708-03045        | 00000/0000                                     | 2-2003R/0373     | 12/30/76              | 30                                 | 9864         | 3439N        | 09932E            | 23.4                | 145.1                | FGGG                    | 143                    | 36 |
| 2708-03051        | 00000/0000                                     | 2-2003R/0374     | 12/30/76              | 70                                 | 9864         | 3313N        | 09906E            | 24.4                | 144.5                | FGGG                    | 143                    | 37 |
| 2708-03054        | 00000/0000                                     | 2-2003R/0375     | 12/30/76              | 60                                 | 9864         | 3147N        | 09A41E            | 25.4                | 143.8                | GGGG                    | 143                    | 38 |
| 2708-03060        | 00000/0000                                     | 2-2003R/0376     | 12/30/76              | 10                                 | 9864         | 3021N        | 09A16E            | 26.4                | 143.1                | GGGG                    | 143                    | 39 |
| 2708-03063        | 00000/0000                                     | 2-2003R/0377     | 12/30/76              | 30                                 | 9864         | 2855N        | 09751E            | 27.4                | 142.4                | GGGG                    | 143                    | 40 |
| 2708-03065        | 00000/0000                                     | 2-2003R/0378     | 12/30/76              | 40                                 | 9864         | 2729N        | 09727E            | 28.4                | 141.7                | GGGG                    | 143                    | 41 |
| 2708-03072        | 00000/0000                                     | 2-2003R/0379     | 12/30/76              | 30                                 | 9864         | 2602N        | 09703E            | 29.3                | 141.0                | FGGG                    | 143                    | 42 |
| 2708-03074        | 00000/0000                                     | 2-2003R/0380     | 12/30/76              | 20                                 | 9864         | 2436N        | 09640E            | 30.3                | 140.2                | GGGG                    | 143                    | 43 |
| 2708-03083        | 00000/0000                                     | 2-2003R/0381     | 12/30/76              | 10                                 | 9864         | 2142N        | 09556E            | 32.2                | 138.7                | FFGG                    | 143                    | 45 |
| 2708-04424        | 00000/0000                                     | 2-2003R/0382     | 12/30/76              | 10                                 | 9865         | 5308N        | 08100E            | 9.7                 | 153.2                | FFGF                    | 161                    | 23 |
| 2708-04431        | 00000/0000                                     | 2-2003R/0383     | 12/30/76              | 0                                  | 9865         | 5144N        | 08016E            | 10.7                | 152.5                | FGGG                    | 161                    | 24 |
| 2708-04433        | 00000/0000                                     | 2-2003R/0384     | 12/30/76              | 10                                 | 9865         | 5018N        | 07935E            | 11.8                | 151.9                | FGGG                    | 161                    | 25 |
| 2708-04440        | 00000/0000                                     | 2-2003R/0385     | 12/30/76              | 10                                 | 9865         | 4853N        | 07856E            | 12.9                | 151.3                | GGGG                    | 161                    | 26 |
| 2708-04442        | 00000/0000                                     | 2-2003R/0386     | 12/30/76              | 20                                 | 9865         | 4728N        | 07819E            | 14.0                | 150.6                | FGGG                    | 161                    | 27 |
| 2708-04445        | 00000/0000                                     | 2-2003R/0387     | 12/30/76              | 60                                 | 9865         | 4603N        | 07744E            | 15.0                | 150.0                | FGGG                    | 161                    | 28 |
| 2708-04451        | 00000/0000                                     | 2-2003R/0388     | 12/30/76              | 90                                 | 9865         | 4438N        | 07710E            | 16.1                | 149.4                | GGFG                    | 161                    | 29 |
| 2708-04454        | 00000/0000                                     | 2-2003R/0389     | 12/30/76              | 80                                 | 9865         | 4312N        | 07637E            | 17.2                | 148.8                | GGGG                    | 161                    | 30 |
| 2708-04460        | 00000/0000                                     | 2-2003R/0390     | 12/30/76              | 40                                 | 9865         | 4147N        | 07606E            | 18.2                | 148.2                | FGGG                    | 161                    | 31 |
| 2708-04463        | 00000/0000                                     | 2-2003R/0391     | 12/30/76              | 20                                 | 9865         | 4022N        | 07536E            | 19.3                | 147.6                | FGGG                    | 161                    | 32 |
| 2708-04465        | 00000/0000                                     | 2-2003R/0392     | 12/30/76              | 10                                 | 9865         | 3856N        | 07506E            | 20.3                | 147.0                | GGGG                    | 161                    | 33 |
| 2708-04472        | 00000/0000                                     | 2-2003R/0393     | 12/30/76              | 10                                 | 9865         | 3730N        | 07438E            | 21.3                | 146.4                | GGFG                    | 161                    | 34 |
| 2708-04474        | 00000/0000                                     | 2-2003R/0394     | 12/30/76              | 10                                 | 9865         | 3605N        | 07410E            | 22.4                | 145.8                | GGGG                    | 161                    | 35 |
| 2708-04481        | 00000/0000                                     | 2-2003R/0395     | 12/30/76              | 10                                 | 9865         | 3438N        | 07343E            | 23.4                | 145.1                | GGGG                    | 161                    | 36 |
| 2708-04501        | 00000/0000                                     | 2-2003R/0406     | 12/30/76              | 70                                 | 9865         | 2727N        | 07139E            | 28.5                | 141.7                | GF                      | 161                    | 41 |
| 2708-04504        | 00000/0000                                     | 2-2003R/0396     | 12/30/76              | 20                                 | 9865         | 2601N        | 07116E            | 29.3                | 141.0                | GGGG                    | 161                    | 42 |
| 2708-04510        | 00000/0000                                     | 2-2003R/0397     | 12/30/76              | 0                                  | 9865         | 2474N        | 07053E            | 30.3                | 140.2                | GGGG                    | 161                    | 43 |
| 2708-04513        | 00000/0000                                     | 2-2003R/0398     | 12/30/76              | 0                                  | 9865         | 2308N        | 07030E            | 31.2                | 139.4                | FGGG                    | 161                    | 44 |
| 2708-04515        | 00000/0000                                     | 2-2003R/0399     | 12/30/76              | 0                                  | 9865         | 2141N        | 07008E            | 32.2                | 138.6                | GGGG                    | 161                    | 45 |
| 2708-04522        | 00000/0000                                     | 2-2003R/0400     | 12/30/76              | 0                                  | 9865         | 2015N        | 06946E            | 33.1                | 137.8                | GGGG                    | 161                    | 46 |
| 2708-06271        | 00000/0000                                     | 2-2003R/0401     | 12/30/76              | 10                                 | 9866         | 4853N        | 05307E            | 12.9                | 151.2                | PPPP                    | 179                    | 26 |
| 2708-06274        | 00000/0000                                     | 2-2003R/0402     | 12/30/76              | 10                                 | 9866         | 4728N        | 05231E            | 14.0                | 150.6                | FFFF                    | 179                    | 27 |
| 2708-06280        | 00000/0000                                     | 2-2003R/0403     | 12/30/76              | 90                                 | 9866         | 4603N        | 05155E            | 15.0                | 150.0                | FFFF                    | 179                    | 28 |
| 2708-06283        | 00000/0000                                     | 2-2003R/0404     | 12/30/76              | 100                                | 9866         | 4438N        | 05121E            | 16.1                | 149.4                | PPPP                    | 179                    | 29 |
| 2708-06285        | 00000/0000                                     | 2-2003R/0405     | 12/30/76              | 90                                 | 9866         | 4312N        | 05049E            | 17.2                | 148.8                | FFFF                    | 179                    | 30 |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ELEV | SUN<br>AZIM | PRINCIPAL<br>POINT<br>OF IMAGE<br>LAT LONG | SUN<br>FLEV | SUN<br>AZIM | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-------------|-------------|--------------------------------------------|-------------|-------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2708-06294        | 00000/0000                   | 2-20038/0273                | 12/30/76         | 90             | 9866        | 4021N       | 04947E                                     | 19.3        | 147.6       | GGGG                               |                     |                      | 179                     | 32                     |
| 2708-06301        | 00000/0000                   | 2-20038/0274                | 12/30/76         | 90             | 9866        | 3856N       | 04918E                                     | 20.3        | 147.0       | GGGG                               |                     |                      | 179                     | 33                     |
| 2708-08094        | 00000/0000                   | 2-20038/0275                | 12/30/76         | 90             | 9867        | 5141N       | 02837E                                     | 10.8        | 152.5       | GGGG                               |                     |                      | 197                     | 24                     |
| 2708-08100        | 00000/0000                   | 2-20038/0276                | 12/30/76         | 90             | 9867        | 5016N       | 02757E                                     | 11.8        | 151.9       | GGFF                               |                     |                      | 197                     | 25                     |
| 2708-08103        | 00000/0000                   | 2-20038/0277                | 12/30/76         | 100            | 9867        | 4852N       | 02718E                                     | 12.9        | 151.2       | FGGF                               |                     |                      | 197                     | 26                     |
| 2708-08105        | 00000/0000                   | 2-20038/0278                | 12/30/76         | 90             | 9867        | 4727N       | 02641E                                     | 14.0        | 150.6       | GGGG                               |                     |                      | 197                     | 27                     |
| 2708-13195        | 00000/0000                   | 2-20038/0355                | 12/30/76         | 90             | 9870        | 5018N       | 04932W                                     | 11.8        | 151.8       | GGGG                               |                     |                      | 251                     | 25                     |
| 2708-13201        | 00000/0000                   | 2-20038/0356                | 12/30/76         | 80             | 9870        | 4853N       | 05010W                                     | 12.9        | 151.2       | FGGG                               |                     |                      | 251                     | 26                     |
| 2708-13204        | 00000/0000                   | 2-20038/0357                | 12/30/76         | 90             | 9870        | 4728N       | 05046W                                     | 14.0        | 150.6       | GGGG                               |                     |                      | 251                     | 27                     |
| 2708-13210        | 00000/0000                   | 2-20038/0358                | 12/30/76         | 80             | 9870        | 4643N       | 05121W                                     | 15.0        | 150.0       | GGGG                               |                     |                      | 251                     | 28                     |
| 2708-13213        | 00000/0000                   | 2-20038/0359                | 12/30/76         | 80             | 9870        | 4438N       | 05155W                                     | 16.1        | 149.4       | GGGG                               |                     |                      | 251                     | 29                     |
| 2708-13215        | 00000/0000                   | 2-20038/0360                | 12/30/76         | 80             | 9870        | 4313N       | 05228W                                     | 17.2        | 148.8       | FFFF                               |                     |                      | 251                     | 30                     |
| 2708-13222        | 00000/0000                   | 2-20038/0361                | 12/30/76         | 70             | 9870        | 4147N       | 05259W                                     | 18.2        | 148.2       | GGGG                               |                     |                      | 251                     | 31                     |
| 2708-15462        | 00000/0000                   | 2-20038/0407                | 12/30/76         | 90             | 9872        | 5019N       | 10110W                                     | 11.8        | 151.8       | FGGG                               |                     |                      | 36                      | 25                     |
| 2709-03083        | 00000/0000                   | 2-20038/0408                | 12/31/76         | 50             | 9878        | 4147N       | 10028E                                     | 18.2        | 148.1       | FFGF                               |                     |                      | 144                     | 31                     |
| 2709-04482        | 00000/0000                   | 2-20038/0409                | 12/31/76         | 0              | 9879        | 5308N       | 07933E                                     | 9.7         | 153.0       | GGGF                               |                     |                      | 162                     | 23                     |
| 2709-04485        | 00000/0000                   | 2-20038/0410                | 12/31/76         | 10             | 9879        | 5143N       | 07850E                                     | 10.8        | 152.4       | FGGF                               |                     |                      | 162                     | 24                     |
| 2709-04491        | 00000/0000                   | 2-20038/0411                | 12/31/76         | 10             | 9879        | 5018N       | 07809E                                     | 11.9        | 151.7       | FGGF                               |                     |                      | 162                     | 25                     |
| 2709-04494        | 00000/0000                   | 2-20038/0412                | 12/31/76         | 10             | 9879        | 4853N       | 07730E                                     | 12.9        | 151.1       | FGG                                |                     |                      | 162                     | 26                     |
| 2709-04500        | 00000/0000                   | 2-20038/0413                | 12/31/76         | 0              | 9879        | 4728N       | 07653E                                     | 14.0        | 150.5       | FFG                                |                     |                      | 162                     | 27                     |
| 2709-04503        | 00000/0000                   | 2-20038/0414                | 12/31/76         | 10             | 9879        | 4643N       | 07618E                                     | 15.1        | 149.9       | FGGF                               |                     |                      | 162                     | 28                     |
| 2709-04505        | 00000/0000                   | 2-20038/0415                | 12/31/76         | 20             | 9879        | 4438N       | 07544E                                     | 16.1        | 149.3       | GGGF                               |                     |                      | 162                     | 29                     |
| 2709-04512        | 00000/0000                   | 2-20038/0416                | 12/31/76         | 70             | 9879        | 4312N       | 07512E                                     | 17.2        | 148.7       | FGGF                               |                     |                      | 162                     | 30                     |
| 2709-04514        | 00000/0000                   | 2-20038/0417                | 12/31/76         | 80             | 9879        | 4147N       | 07441E                                     | 18.2        | 148.1       | FGGF                               |                     |                      | 162                     | 31                     |
| 2709-04521        | 00000/0000                   | 2-20038/0418                | 12/31/76         | 60             | 9879        | 4022N       | 07410E                                     | 19.3        | 147.5       | FGGF                               |                     |                      | 162                     | 32                     |
| 2709-13251        | 00000/0000                   | 2-20038/0457                | 12/31/76         | 30             | 9884        | 5143N       | 05015W                                     | 10.8        | 152.3       | GGGG                               |                     |                      | 1                       | 24                     |
| 2709-13253        | 00000/0000                   | 2-20038/0458                | 12/31/76         | 30             | 9884        | 5018N       | 05056W                                     | 11.9        | 151.7       | GGGG                               |                     |                      | 1                       | 25                     |
| 2709-13260        | 00000/0000                   | 2-20038/0459                | 12/31/76         | 10             | 9884        | 4853N       | 05135W                                     | 12.9        | 151.1       | GGGF                               |                     |                      | 1                       | 26                     |
| 2709-13265        | 00000/0000                   | 2-20038/0460                | 12/31/76         | 30             | 9884        | 4643N       | 05247W                                     | 15.1        | 149.8       | GGGG                               |                     |                      | 1                       | 28                     |
| 2709-13271        | 00000/0000                   | 2-20038/0461                | 12/31/76         | 40             | 9884        | 4438N       | 05321W                                     | 16.1        | 149.2       | GGGG                               |                     |                      | 1                       | 29                     |
| 2709-13274        | 00000/0000                   | 2-20038/0462                | 12/31/76         | 50             | 9884        | 4312N       | 05354W                                     | 17.2        | 148.6       | GGGG                               |                     |                      | 1                       | 30                     |
| 2709-13280        | 00000/0000                   | 2-20038/0463                | 12/31/76         | 50             | 9884        | 4147N       | 05425W                                     | 18.2        | 148.0       | GGGG                               |                     |                      | 1                       | 31                     |
| 2709-15085        | 00000/0000                   | 2-20038/0464                | 12/31/76         | 70             | 9885        | 5018N       | 07647W                                     | 11.9        | 151.7       | GGGG                               |                     |                      | 19                      | 25                     |
| 2710-01335        | 00000/0000                   | 2-20038/0586                | 01/01/77         | 100            | 9891        | 3145N       | 12137E                                     | 25.4        | 143.5       | GGG                                |                     |                      | 127                     | 38                     |
| 2710-01341        | 00000/0000                   | 2-20038/0587                | 01/01/77         | 100            | 9891        | 3019N       | 12113E                                     | 26.4        | 142.8       | GGGG                               |                     |                      | 127                     | 39                     |
| 2710-01344        | 00000/0000                   | 2-20038/0585                | 01/01/77         | 100            | 9891        | 2853N       | 12049E                                     | 27.4        | 142.1       | G GF                               |                     |                      | 127                     | 40                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
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FROM 01/22/76 TO 01/22/77

PAGE 0455

| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBV<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|---------------|------------------------------|-------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2710-03150        | 00000/0000                   | 2-2003R/0588               | 01/01/77         | 100            | 9891          | 2727N                        | 12025E                        | 28.4         | 141.4        | GGGG                               |                     |                      | 127                     | 41                     |
| 2710-03134        | 00000/0000                   | 2-2003R/C420               | 01/01/77         | 40             | 9892          | 4315N                        | 09936E                        | 17.2         | 148.6        | GGGF                               |                     |                      | 145                     | 30                     |
| 2710-03141        | 00000/0000                   | 2-2003R/C421               | 01/01/77         | 30             | 9892          | 4149N                        | 09904E                        | 18.2         | 148.0        | FGGG                               |                     |                      | 145                     | 31                     |
| 2710-03143        | 00000/0000                   | 2-2003R/C422               | 01/01/77         | 40             | 9892          | 4024N                        | 09834E                        | 19.3         | 147.2        | GFGG                               |                     |                      | 145                     | 32                     |
| 2710-03150        | 00000/0000                   | 2-2003R/C423               | 01/01/77         | 70             | 9892          | 3858N                        | 09805E                        | 20.3         | 146.7        | GGGG                               |                     |                      | 145                     | 33                     |
| 2710-03152        | 00000/0000                   | 2-2003R/C424               | 01/01/77         | 60             | 9892          | 3733N                        | 09736E                        | 21.3         | 146.1        | GGGG                               |                     |                      | 145                     | 34                     |
| 2710-03155        | 00000/0000                   | 2-2003R/C425               | 01/01/77         | 30             | 9892          | 3607N                        | 09709E                        | 22.4         | 145.5        | FGGG                               |                     |                      | 145                     | 35                     |
| 2710-03161        | 00000/0000                   | 2-2003R/C426               | 01/01/77         | 30             | 9892          | 3441N                        | 09642E                        | 23.4         | 144.8        | GGGG                               |                     |                      | 145                     | 36                     |
| 2710-03164        | 00000/0000                   | 2-2003R/C427               | 01/01/77         | 40             | 9892          | 3314N                        | 09616E                        | 24.4         | 144.2        | GGGG                               |                     |                      | 145                     | 37                     |
| 2710-03170        | 00000/0000                   | 2-2003R/C428               | 01/01/77         | 10             | 9892          | 3148N                        | 09550E                        | 25.4         | 143.5        | GGGG                               |                     |                      | 145                     | 38                     |
| 2710-03173        | 00000/0000                   | 2-2003R/C429               | 01/01/77         | 10             | 9892          | 3022N                        | 09525E                        | 26.4         | 142.8        | GGGG                               |                     |                      | 145                     | 39                     |
| 2710-03175        | 00000/0000                   | 2-2003R/C430               | 01/01/77         | 10             | 9892          | 2857N                        | 09501E                        | 27.4         | 142.1        | GGGG                               |                     |                      | 145                     | 40                     |
| 2710-03182        | 00000/0000                   | 2-2003R/C431               | 01/01/77         | 10             | 9892          | 2730N                        | 09437E                        | 28.3         | 141.4        | GGGG                               |                     |                      | 145                     | 41                     |
| 2710-03184        | 00000/0000                   | 2-2003R/C432               | 01/01/77         | 10             | 9892          | 2604N                        | 09413E                        | 29.3         | 140.7        | GGGG                               |                     |                      | 145                     | 42                     |
| 2710-03191        | 00000/0000                   | 2-2003R/C433               | 01/01/77         | 10             | 9892          | 2438N                        | 09350E                        | 30.2         | 139.9        | GGGG                               |                     |                      | 145                     | 43                     |
| 2710-03193        | 00000/0000                   | 2-2003R/C434               | 01/01/77         | 10             | 9892          | 2311N                        | 09328E                        | 31.2         | 139.2        | GGGG                               |                     |                      | 145                     | 44                     |
| 2710-03200        | 00000/0000                   | 2-2003R/C435               | 01/01/77         | 10             | 9892          | 2144N                        | 09306E                        | 32.1         | 138.4        | GGGG                               |                     |                      | 145                     | 45                     |
| 2710-03202        | 00000/0000                   | 2-2003R/C436               | 01/01/77         | 20             | 9892          | 2017N                        | 09244E                        | 33.0         | 137.5        | GGGG                               |                     |                      | 145                     | 46                     |
| 2710-03205        | 00000/0000                   | 2-2003R/C437               | 01/01/77         | 60             | 9892          | 1850N                        | 09223E                        | 33.9         | 136.7        | GFGG                               |                     |                      | 145                     | 47                     |
| 2710-04540        | 00000/0000                   | 2-2003R/C419               | 01/01/77         | 10             | 9893          | 5309N                        | 07407E                        | 9.7          | 152.9        | P F                                |                     |                      | 163                     | 23                     |
| 2710-04543        | 00000/0000                   | 2-2003R/C438               | 01/01/77         | 0              | 9893          | 5144N                        | 07725E                        | 10.8         | 152.3        | FFFF                               |                     |                      | 163                     | 24                     |
| 2710-04552        | 00000/0000                   | 2-2003R/C439               | 01/01/77         | 0              | 9893          | 4855N                        | 07605E                        | 12.9         | 151.0        | FFFF                               |                     |                      | 163                     | 26                     |
| 2710-04570        | 00000/0000                   | 2-2003R/C440               | 01/01/77         | 90             | 9893          | 4314N                        | 07346E                        | 17.2         | 148.6        | FFFF                               |                     |                      | 163                     | 30                     |
| 2710-04572        | 00000/0000                   | 2-2003R/C441               | 01/01/77         | 80             | 9893          | 4149N                        | 07315E                        | 18.2         | 147.9        | FGGG                               |                     |                      | 163                     | 31                     |
| 2710-04575        | 00000/0000                   | 2-2003R/C442               | 01/01/77         | 90             | 9893          | 4023N                        | 07244E                        | 19.3         | 147.3        | FFGG                               |                     |                      | 163                     | 32                     |
| 2710-04581        | 00000/0000                   | 2-2003R/C443               | 01/01/77         | 90             | 9893          | 3858N                        | 07215E                        | 20.3         | 146.7        | GGGG                               |                     |                      | 163                     | 33                     |
| 2710-04584        | 00000/0000                   | 2-2003R/C444               | 01/01/77         | 100            | 9893          | 3732N                        | 07147E                        | 21.3         | 146.1        | GGGG                               |                     |                      | 163                     | 34                     |
| 2710-04590        | 00000/0000                   | 2-2003R/C445               | 01/01/77         | 90             | 9893          | 3606N                        | 07115E                        | 22.4         | 145.5        | GGGG                               |                     |                      | 163                     | 35                     |
| 2710-04593        | 00000/0000                   | 2-2003R/C446               | 01/01/77         | 90             | 9893          | 3441N                        | 07053E                        | 23.4         | 144.8        | GFGG                               |                     |                      | 163                     | 36                     |
| 2710-04595        | 00000/0000                   | 2-2003R/C447               | 01/01/77         | 70             | 9893          | 3315N                        | 07027E                        | 24.4         | 144.2        | FGGG                               |                     |                      | 163                     | 37                     |
| 2710-05002        | 00000/0000                   | 2-2003R/C448               | 01/01/77         | 90             | 9893          | 3148N                        | 07001E                        | 25.4         | 143.5        | GGGG                               |                     |                      | 163                     | 38                     |
| 2710-05004        | 00000/0000                   | 2-2003R/C449               | 01/01/77         | 50             | 9893          | 3022N                        | 06936E                        | 26.4         | 142.8        | FFGG                               |                     |                      | 163                     | 39                     |
| 2710-05011        | 00000/0000                   | 2-2003R/C450               | 01/01/77         | 20             | 9893          | 2856N                        | 06912E                        | 27.4         | 142.1        | GFGG                               |                     |                      | 163                     | 40                     |
| 2710-05013        | 00000/0000                   | 2-2003R/C451               | 01/01/77         | 30             | 9893          | 2729N                        | 06848E                        | 28.3         | 141.4        | GGGG                               |                     |                      | 163                     | 41                     |
| 2710-05020        | 00000/0000                   | 2-2003R/C452               | 01/01/77         | 10             | 9893          | 2602N                        | 06824E                        | 29.3         | 140.7        | GGGG                               |                     |                      | 163                     | 42                     |
| 2710-05022        | 00000/0000                   | 2-2003R/C453               | 01/01/77         | 0              | 9893          | 2436N                        | 06801E                        | 30.2         | 139.9        | GFGG                               |                     |                      | 163                     | 43                     |

KEYS: CLOUD COVER : ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN REEL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2710-05025        | 00000/0000                           | 2-2003R/0454     | 01/01/77         | 17             | 9893            | 2309N                                   | 06738E       | 31.2         | 139.1                 | FFGF                |                      | 163                     | 44                     |
| 2710-05031        | 00000/0000                           | 2-2003R/0455     | 01/01/77         | 0              | 9893            | 2143N                                   | 06714E       | 32.1         | 138.3                 | FGFG                |                      | 163                     | 45                     |
| 2710-05034        | 00000/0000                           | 2-2003R/0456     | 01/01/77         | 0              | 9893            | 2016N                                   | 06654E       | 33.0         | 137.5                 | FGFG                |                      | 163                     | 46                     |
| 2710-05574        | 00000/0000                           | 2-2003R/0589     | 01/01/77         | 0              | 9894            | 5145N                                   | 05135E       | 10.8         | 152.3                 | GGGG                |                      | 181                     | 24                     |
| 2710-06404        | 00000/0000                           | 2-2003R/0590     | 01/01/77         | 40             | 9894            | 4149N                                   | 04725E       | 18.2         | 147.9                 | GGGG                |                      | 181                     | 31                     |
| 2710-06410        | 00000/0000                           | 2-2003R/0591     | 01/01/77         | 90             | 9894            | 4024N                                   | 04655E       | 19.3         | 147.3                 | GGGF                |                      | 181                     | 32                     |
| 2710-06413        | 00000/0000                           | 2-2003R/0592     | 01/01/77         | 80             | 9894            | 3858N                                   | 04626E       | 20.3         | 146.7                 | GGGG                |                      | 181                     | 33                     |
| 2710-08210        | 00000/0000                           | 2-2003R/0593     | 01/01/77         | 90             | 9895            | 5144N                                   | 02545E       | 10.8         | 152.2                 | GGGF                |                      | 199                     | 24                     |
| 2710-08212        | 00000/0000                           | 2-2003R/0594     | 01/01/77         | 70             | 9895            | 5010N                                   | 02504E       | 11.9         | 151.6                 | GGGG                |                      | 199                     | 25                     |
| 2710-08215        | 00000/0000                           | 2-2003R/0595     | 01/01/77         | 60             | 9895            | 4853N                                   | 02426E       | 12.9         | 151.0                 | GGGG                |                      | 199                     | 26                     |
| 2710-08221        | 00000/0000                           | 2-2003R/0596     | 01/01/77         | 20             | 9895            | 4730N                                   | 02349E       | 14.0         | 150.3                 | GGGG                |                      | 199                     | 27                     |
| 2710-13305        | 00000/0000                           | 2-2003R/0362     | 01/01/77         | 80             | 9898            | 5145N                                   | 05139W       | 10.8         | 152.2                 | GGGG                |                      | 2                       | 24                     |
| 2710-13311        | 00000/0000                           | 2-2003R/0363     | 01/01/77         | 80             | 9898            | 5020N                                   | 05220W       | 11.9         | 151.6                 | GGGG                |                      | 2                       | 25                     |
| 2710-13314        | 00000/0000                           | 2-2003R/0364     | 01/01/77         | 80             | 9898            | 4855N                                   | 05259W       | 12.9         | 150.9                 | GGGG                |                      | 2                       | 26                     |
| 2710-13320        | 00000/0000                           | 2-2003R/0365     | 01/01/77         | 70             | 9898            | 4730N                                   | 05335W       | 14.0         | 150.3                 | GGGG                |                      | 2                       | 27                     |
| 2710-13323        | 00000/0000                           | 2-2003R/0366     | 01/01/77         | 30             | 9898            | 4606N                                   | 05410W       | 15.1         | 149.7                 | GGGG                |                      | 2                       | 28                     |
| 2710-13325        | 00000/0000                           | 2-2003R/0367     | 01/01/77         | 40             | 9898            | 4440N                                   | 05444W       | 16.1         | 149.1                 | GGGG                |                      | 2                       | 29                     |
| 2710-13332        | 00000/0000                           | 2-2003R/0368     | 01/01/77         | 80             | 9898            | 4315N                                   | 05517W       | 17.2         | 148.5                 | GGGG                |                      | 2                       | 30                     |
| 2710-13334        | 00000/0000                           | 2-2003R/0369     | 01/01/77         | 80             | 9898            | 4150N                                   | 05549W       | 18.2         | 147.9                 | GGGG                |                      | 2                       | 31                     |
| 2711-01375        | 00000/0000                           | 2-2003R/0465     | 01/02/77         | 60             | 9905            | 3734N                                   | 12159E       | 21.4         | 146.0                 | GGG                 |                      | 128                     | 34                     |
| 2711-01381        | 00000/0000                           | 2-2003R/0466     | 01/02/77         | 50             | 9905            | 3607N                                   | 12131E       | 22.4         | 145.3                 | GGGG                |                      | 128                     | 35                     |
| 2711-01384        | 00000/0000                           | 2-2003R/0467     | 01/02/77         | 90             | 9905            | 3441N                                   | 12104E       | 23.4         | 144.7                 | GGGG                |                      | 128                     | 36                     |
| 2711-01390        | 00000/0000                           | 2-2003R/0468     | 01/02/77         | 100            | 9905            | 3315N                                   | 12038E       | 24.4         | 144.0                 | GGGG                |                      | 128                     | 37                     |
| 2711-01393        | 00000/0000                           | 2-2003R/0469     | 01/02/77         | 100            | 9905            | 3149N                                   | 12013E       | 25.4         | 143.4                 | GGGG                |                      | 128                     | 38                     |
| 2711-01395        | 00000/0000                           | 2-2003R/0470     | 01/02/77         | 100            | 9905            | 3023N                                   | 11948E       | 26.4         | 142.7                 | GGGG                |                      | 128                     | 39                     |
| 2711-01402        | 00000/0000                           | 2-2003R/0471     | 01/02/77         | 100            | 9905            | 2856N                                   | 11923E       | 27.4         | 142.0                 | GGGG                |                      | 128                     | 40                     |
| 2711-01404        | 00000/0000                           | 2-2003R/0472     | 01/02/77         | 100            | 9905            | 2730N                                   | 11900E       | 28.3         | 141.3                 | GGGG                |                      | 128                     | 41                     |
| 2711-01411        | 00000/0000                           | 2-2003R/0473     | 01/02/77         | 100            | 9905            | 2604N                                   | 11836E       | 29.3         | 140.5                 | GGGG                |                      | 128                     | 42                     |
| 2711-01413        | 00000/0000                           | 2-2003R/0474     | 01/02/77         | 100            | 9905            | 2438N                                   | 11813E       | 30.2         | 139.8                 | GGGG                |                      | 128                     | 43                     |
| 2711-03190        | 00000/0000                           | 2-2003R/0521     | 01/02/77         | 10             | 9906            | 4440N                                   | 09440E       | 16.2         | 149.0                 | F                   |                      | 146                     | 29                     |
| 2711-03192        | 00000/0000                           | 2-2003R/0522     | 01/02/77         | 0              | 9906            | 4315N                                   | 09408E       | 17.2         | 148.4                 | FGGG                |                      | 146                     | 30                     |
| 2711-03195        | 00000/0000                           | 2-2003R/0523     | 01/02/77         | 30             | 9906            | 4149N                                   | 09336E       | 18.3         | 147.8                 | FGGG                |                      | 146                     | 31                     |
| 2711-03201        | 00000/0000                           | 2-2003R/0524     | 01/02/77         | 90             | 9906            | 4024N                                   | 09206E       | 19.3         | 147.2                 | GGGG                |                      | 146                     | 32                     |
| 2711-03204        | 00000/0000                           | 2-2003R/0525     | 01/02/77         | 70             | 9906            | 3858N                                   | 09637E       | 20.3         | 146.6                 | GGGG                |                      | 146                     | 33                     |
| 2711-03210        | 00000/0000                           | 2-2003R/0526     | 01/02/77         | 40             | 9906            | 3732N                                   | 09609E       | 21.4         | 146.0                 | FGFG                |                      | 146                     | 34                     |
| 2711-03213        | 00000/0000                           | 2-2003R/0527     | 01/02/77         | 10             | 9906            | 3606N                                   | 09541E       | 22.4         | 145.3                 | FGFG                |                      | 146                     | 35                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2711-03215        | 00000/0000 2-2003R/0528                        | 01/02/77         | 0                     | 9906            | 3440N                              | 09514E                              | 23.4         | 144.7        |                   | GGGG        |                     |                      | 146                     | 36                     |
| 2711-03222        | 00000/0000 2-2003R/0529                        | 01/02/77         | 10                    | 9906            | 3313N                              | 09448E                              | 24.4         | 144.0        |                   | GGGG        |                     |                      | 146                     | 37                     |
| 2711-03224        | 00000/0000 2-2003R/0530                        | 01/02/77         | 10                    | 9906            | 3147N                              | 09423E                              | 25.4         | 143.4        |                   | GGGG        |                     |                      | 146                     | 38                     |
| 2711-03231        | 00000/0000 2-2003R/0531                        | 01/02/77         | 0                     | 9906            | 3021N                              | 09358E                              | 26.4         | 142.7        |                   | GGGG        |                     |                      | 146                     | 39                     |
| 2711-03233        | 00000/0000 2-2003R/0532                        | 01/02/77         | 10                    | 9906            | 2855N                              | 09334E                              | 27.4         | 142.0        |                   | GGGG        |                     |                      | 146                     | 40                     |
| 2711-03240        | 00000/0000 2-2003R/0533                        | 01/02/77         | 10                    | 9906            | 2730N                              | 09310E                              | 28.3         | 141.3        |                   | GGGG        |                     |                      | 146                     | 41                     |
| 2711-03242        | 00000/0000 2-2003R/0534                        | 01/02/77         | 10                    | 9906            | 2604N                              | 09246E                              | 29.3         | 140.5        |                   | GGGG        |                     |                      | 146                     | 42                     |
| 2711-03245        | 00000/0000 2-2003R/0535                        | 01/02/77         | 0                     | 9906            | 2437N                              | 09223E                              | 30.2         | 139.8        |                   | GGGG        |                     |                      | 146                     | 43                     |
| 2711-03251        | 00000/0000 2-2003R/0536                        | 01/02/77         | 10                    | 9906            | 2310N                              | 09200E                              | 31.2         | 139.0        |                   | FGFF        |                     |                      | 146                     | 44                     |
| 2711-03254        | 00000/0000 2-2003R/0537                        | 01/02/77         | 10                    | 9906            | 2143N                              | 09128E                              | 32.1         | 138.2        |                   | FGFF        |                     |                      | 146                     | 45                     |
| 2711-03260        | 00000/0000 2-2003R/0538                        | 01/02/77         | 10                    | 9906            | 2016N                              | 09116E                              | 33.0         | 137.3        |                   | GGGF        |                     |                      | 146                     | 46                     |
| 2711-03263        | 00000/0000 2-2003R/0539                        | 01/02/77         | 40                    | 9906            | 1850N                              | 09055E                              | 33.9         | 136.5        |                   | FGGF        |                     |                      | 146                     | 47                     |
| 2711-03265        | 00000/0000 2-2003R/0540                        | 01/02/77         | 50                    | 9906            | 1724N                              | 09034E                              | 34.8         | 135.6        |                   | GGGF        |                     |                      | 146                     | 48                     |
| 2711-04594        | 00000/0000 2-2003R/0541                        | 01/02/77         | 0                     | 9907            | 1510N                              | 07640E                              | 9.8          | 152.8        |                   | GGGG        |                     |                      | 164                     | 23                     |
| 2711-05001        | 00000/0000 2-2003R/0542                        | 01/02/77         | 0                     | 9907            | 1455N                              | 07558E                              | 10.8         | 152.1        |                   | FGGG        |                     |                      | 164                     | 24                     |
| 2711-05003        | 00000/0000 2-2003R/0543                        | 01/02/77         | 0                     | 9907            | 5020N                              | 07518E                              | 11.9         | 151.5        |                   | GGGG        |                     |                      | 164                     | 25                     |
| 2711-05010        | 00000/0000 2-2003R/0544                        | 01/02/77         | 0                     | 9907            | 4855N                              | 07440E                              | 13.0         | 150.8        |                   | FGGG        |                     |                      | 164                     | 26                     |
| 2711-05012        | 00000/0000 2-2003R/0545                        | 01/02/77         | 10                    | 9907            | 4730N                              | 07404E                              | 14.0         | 150.2        |                   | GGGG        |                     |                      | 164                     | 27                     |
| 2711-05015        | 00000/0000 2-2003R/0546                        | 01/02/77         | 40                    | 9907            | 4603N                              | 07326E                              | 15.1         | 149.6        |                   | GGGG        |                     |                      | 164                     | 28                     |
| 2711-05021        | 00000/0000 2-2003R/0547                        | 01/02/77         | 80                    | 9907            | 4439N                              | 07254E                              | 16.2         | 149.0        |                   | FGGG        |                     |                      | 164                     | 29                     |
| 2711-05024        | 00000/0000 2-2003R/0548                        | 01/02/77         | 100                   | 9907            | 4314N                              | 07221E                              | 17.2         | 148.4        |                   | GGGG        |                     |                      | 164                     | 30                     |
| 2711-05030        | 00000/0000 2-2003R/0549                        | 01/02/77         | 90                    | 9907            | 4149N                              | 07186E                              | 18.3         | 147.8        |                   | GGGG        |                     |                      | 164                     | 31                     |
| 2711-05033        | 00000/0000 2-2003R/0550                        | 01/02/77         | 90                    | 9907            | 4023N                              | 07119E                              | 19.3         | 147.2        |                   | GGGG        |                     |                      | 164                     | 32                     |
| 2711-05035        | 00000/0000 2-2003R/0551                        | 01/02/77         | 90                    | 9907            | 3857N                              | 07050E                              | 20.3         | 146.6        |                   | FGGG        |                     |                      | 164                     | 33                     |
| 2711-05042        | 00000/0000 2-2003R/0552                        | 01/02/77         | 90                    | 9907            | 3732N                              | 07022E                              | 21.4         | 145.9        |                   | GGGG        |                     |                      | 164                     | 34                     |
| 2711-05044        | 00000/0000 2-2003R/0553                        | 01/02/77         | 40                    | 9907            | 3606N                              | 06954E                              | 22.4         | 145.3        |                   | GGGG        |                     |                      | 164                     | 35                     |
| 2711-05051        | 00000/0000 2-2003R/0554                        | 01/02/77         | 10                    | 9907            | 3440N                              | 06926E                              | 23.4         | 144.7        |                   | FFFF        |                     |                      | 164                     | 36                     |
| 2711-05053        | 00000/0000 2-2003R/0555                        | 01/02/77         | 20                    | 9907            | 3314N                              | 06900E                              | 24.4         | 144.0        |                   | FFFF        |                     |                      | 164                     | 37                     |
| 2711-05060        | 00000/0000 2-2003R/0556                        | 01/02/77         | 30                    | 9907            | 3148N                              | 06834E                              | 25.4         | 143.3        |                   | GGGG        |                     |                      | 164                     | 38                     |
| 2711-05062        | 00000/0000 2-2003R/0557                        | 01/02/77         | 10                    | 9907            | 3022N                              | 06809E                              | 26.4         | 142.7        |                   | GGGF        |                     |                      | 164                     | 39                     |
| 2711-05065        | 00000/0000 2-2003R/0558                        | 01/02/77         | 0                     | 9907            | 2855N                              | 06745E                              | 27.4         | 142.0        |                   | FFGG        |                     |                      | 164                     | 40                     |
| 2711-05071        | 00000/0000 2-2003R/0559                        | 01/02/77         | 10                    | 9907            | 2728N                              | 06721E                              | 28.3         | 141.2        |                   | GGGG        |                     |                      | 164                     | 41                     |
| 2711-05074        | 00000/0000 2-2003R/0560                        | 01/02/77         | 0                     | 9907            | 2602N                              | 06658E                              | 29.3         | 140.5        |                   | GGGG        |                     |                      | 164                     | 42                     |
| 2711-05080        | 00000/0000 2-2003R/0561                        | 01/02/77         | 10                    | 9907            | 2436N                              | 06635E                              | 30.2         | 139.7        |                   | FFFF        |                     |                      | 164                     | 43                     |
| 2711-05083        | 00000/0000 2-2003R/0562                        | 01/02/77         | 10                    | 9907            | 2309N                              | 06612E                              | 31.2         | 139.0        |                   | FFFF        |                     |                      | 164                     | 44                     |
| 2711-05085        | 00000/0000 2-2003R/0563                        | 01/02/77         | 0                     | 9907            | 2143N                              | 06550E                              | 32.1         | 138.2        |                   | FFFF        |                     |                      | 164                     | 45                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN.<br>AZIM. | IMAGE-QUAL<br>RBV MSS DATA | MSS<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|-----------------------|-----------------|------------------------------------|-------------------------------------|--------------|---------------|----------------------------|-------------|----------------------|-------------------------|------------------------|
| 2711-05433        | 00000/0000                                     | 2-2003R/0475 | 01/02/77         | 0                     | 9908            | 5144N                              | 05009E                              | 10.8         | 152.1         | GGGG                       |             |                      |                         |                        |
| 2711-06460        | 00000/0000                                     | 2-2003R/0476 | 01/02/77         | 20                    | 9908            | 4313N                              | 04432E                              | 17.2         | 148.4         | GGGG                       |             |                      | 182                     | 24                     |
| 2711-06462        | 00000/0000                                     | 2-2003R/0477 | 01/02/77         | 70                    | 9908            | 4148N                              | 04600E                              | 18.3         | 147.8         | GGGG                       |             |                      | 182                     | 30                     |
| 2711-06465        | 00000/0000                                     | 2-2003R/0478 | 01/02/77         | 90                    | 9908            | 4023N                              | 04530E                              | 19.3         | 147.2         | GGGG                       |             |                      | 182                     | 31                     |
| 2711-06471        | 00000/0000                                     | 2-2003R/0479 | 01/02/77         | 90                    | 9908            | 3857N                              | 04500E                              | 20.3         | 146.6         | GGGG                       |             |                      | 182                     | 32                     |
| 2711-08271        | 00000/0000                                     | 2-2003R/0480 | 01/02/77         | 90                    | 9909            | 5018N                              | 02339E                              | 11.9         | 151.5         | GGGG                       |             |                      | 182                     | 33                     |
| 2711-13360        | 00000/0000                                     | 2-2003R/0091 | 01/02/77         | 90                    | 9912            | 5309N                              | 05224W                              | 9.8          | 152.7         | GGGG                       |             |                      | 200                     | 26                     |
| 2711-13363        | 00000/0000                                     | 2-2003R/0092 | 01/02/77         | 100                   | 9912            | 5144N                              | 05302W                              | 10.8         | 152.1         | GGGG                       |             |                      | 3                       | 23                     |
| 2711-13365        | 00000/0000                                     | 2-2003R/0093 | 01/02/77         | 80                    | 9912            | 5020N                              | 05347W                              | 11.9         | 151.4         | GGGG                       |             |                      | 3                       | 24                     |
| 2711-13372        | 00000/0000                                     | 2-2003R/0094 | 01/02/77         | 10                    | 9912            | 4855N                              | 05426W                              | 13.0         | 150.8         | GGGG                       |             |                      | 3                       | 25                     |
| 2711-13374        | 00000/0000                                     | 2-2003R/0095 | 01/02/77         | 10                    | 9912            | 4729N                              | 05504W                              | 14.0         | 150.2         | GGGG                       |             |                      | 3                       | 26                     |
| 2711-13381        | 00000/0000                                     | 2-2003R/0096 | 01/02/77         | 40                    | 9912            | 4604N                              | 05539W                              | 15.1         | 149.6         | GGGG                       |             |                      | 3                       | 27                     |
| 2711-13383        | 00000/0000                                     | 2-2003R/0097 | 01/02/77         | 60                    | 9912            | 4439N                              | 05613W                              | 16.2         | 149.0         | GGGG                       |             |                      | 3                       | 28                     |
| 2711-13390        | 00000/0000                                     | 2-2003R/0098 | 01/02/77         | 70                    | 9912            | 4314N                              | 05645W                              | 17.2         | 148.3         | GGGG                       |             |                      | 3                       | 29                     |
| 2711-13392        | 00000/0000                                     | 2-2003R/0099 | 01/02/77         | 60                    | 9912            | 4148N                              | 05713W                              | 18.3         | 147.7         | GGGG                       |             |                      | 3                       | 30                     |
| 2711-17033        | 00000/0000                                     | 2-2003R/0634 | 01/02/77         | 80                    | 9914            | 5021N                              | 10527W                              | 11.9         | 151.4         | FGGG                       |             |                      | 3                       | 31                     |
| 2712-01435        | 00000/0000                                     | 2-2003R/0584 | 01/03/77         | 10                    | 9919            | 3606N                              | 12006E                              | 22.4         | 145.2         | GGGG                       |             |                      | 39                      | 25                     |
| 2712-01444        | 00000/0000                                     | 2-2003R/0574 | 01/03/77         | 30                    | 9919            | 3314N                              | 11913E                              | 24.4         | 143.9         | GGGG                       |             |                      | 129                     | 36                     |
| 2712-01451        | 00000/0000                                     | 2-2003R/0575 | 01/03/77         | 80                    | 9919            | 3148N                              | 11847E                              | 25.4         | 143.2         | GGG                        |             |                      | 129                     | 37                     |
| 2712-01453        | 00000/0000                                     | 2-2003R/0576 | 01/03/77         | 100                   | 9919            | 3022N                              | 11828E                              | 26.4         | 142.5         | FGGG                       |             |                      | 129                     | 38                     |
| 2712-01471        | 00000/0000                                     | 2-2003R/0577 | 01/03/77         | 80                    | 9919            | 2437N                              | 11648E                              | 30.2         | 139.6         | GGGG                       |             |                      | 129                     | 39                     |
| 2712-01474        | 00000/0000                                     | 2-2003R/0578 | 01/03/77         | 70                    | 9919            | 2311N                              | 11626E                              | 31.2         | 138.8         | GGGG                       |             |                      | 129                     | 40                     |
| 2712-03242        | 00000/0000                                     | 2-2003R/0608 | 01/03/77         | 0                     | 9920            | 4604N                              | 09749E                              | 15.1         | 149.5         | GGGG                       |             |                      | 129                     | 44                     |
| 2712-03244        | 00000/0000                                     | 2-2003R/0609 | 01/03/77         | 0                     | 9920            | 4499N                              | 09715E                              | 16.2         | 148.9         | GGGG                       |             |                      | 147                     | 28                     |
| 2712-03251        | 00000/0000                                     | 2-2003R/0610 | 01/03/77         | 0                     | 9920            | 4314N                              | 09642E                              | 17.2         | 148.3         | FGGF                       |             |                      | 147                     | 29                     |
| 2712-03253        | 00000/0000                                     | 2-2003R/0611 | 01/03/77         | 20                    | 9920            | 4148N                              | 09611E                              | 18.3         | 147.6         | GGGF                       |             |                      | 147                     | 30                     |
| 2712-03260        | 00000/0000                                     | 2-2003R/0612 | 01/03/77         | 30                    | 9920            | 4023N                              | 09541E                              | 19.3         | 147.0         | GGGG                       |             |                      | 147                     | 31                     |
| 2712-03262        | 00000/0000                                     | 2-2003R/0613 | 01/03/77         | 20                    | 9920            | 3857N                              | 09512E                              | 20.4         | 146.4         | GFSG                       |             |                      | 147                     | 32                     |
| 2712-03265        | 00000/0000                                     | 2-2003R/0614 | 01/03/77         | 40                    | 9920            | 3741N                              | 09443E                              | 21.4         | 145.8         | GFSG                       |             |                      | 147                     | 33                     |
| 2712-03271        | 00000/0000                                     | 2-2003R/0615 | 01/03/77         | 80                    | 9920            | 3606N                              | 09416E                              | 22.4         | 145.2         | GGGG                       |             |                      | 147                     | 34                     |
| 2712-03274        | 00000/0000                                     | 2-2003R/0616 | 01/03/77         | 70                    | 9920            | 3440N                              | 09349E                              | 23.4         | 144.5         | GGGG                       |             |                      | 147                     | 35                     |
| 2712-03280        | 00000/0000                                     | 2-2003R/0617 | 01/03/77         | 80                    | 9920            | 3313N                              | 09323E                              | 24.4         | 143.9         | GGGG                       |             |                      | 147                     | 36                     |
| 2712-03283        | 00000/0000                                     | 2-2003R/0618 | 01/03/77         | 90                    | 9920            | 3147N                              | 09257E                              | 25.4         | 143.2         | GGGG                       |             |                      | 147                     | 37                     |
| 2712-03285        | 00000/0000                                     | 2-2003R/0619 | 01/03/77         | 80                    | 9920            | 3021N                              | 09232E                              | 26.4         | 142.5         | GGGG                       |             |                      | 147                     | 38                     |
| 2712-03292        | 00000/0000                                     | 2-2003R/0620 | 01/03/77         | 40                    | 9920            | 2855N                              | 09208E                              | 27.4         | 141.8         | GGGG                       |             |                      | 147                     | 39                     |
| 2712-03294        | 00000/0000                                     | 2-2003R/0621 | 01/03/77         | 10                    | 9920            | 2728N                              | 09144E                              | 28.3         | 141.1         | FGGG                       |             |                      | 147                     | 40                     |
|                   |                                                |              |                  |                       |                 |                                    |                                     |              |               |                            |             |                      |                         | 41                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN. H=HIGH GAIN



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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN RBL<br>RBLV | RBLI NR./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>SF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBLV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBL<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2712-03301        | 00000/0000                           | 2-2003R/0622     | 01/03/77         | 10             | 9920            | 2602N                        | 09121E        | 29.3         | 140.3        | GGGG                                |                     |                      | 147                     | 42                     |
| 2712-03303        | 00000/0000                           | 2-2003R/0623     | 01/03/77         | 10             | 9920            | 2436N                        | 09058E        | 30.2         | 139.6        | GGGG                                |                     |                      | 147                     | 43                     |
| 2712-03310        | 00000/0000                           | 2-2003R/0624     | 01/03/77         | 0              | 9920            | 2309N                        | 09035E        | 31.2         | 138.8        | GFGG                                |                     |                      | 147                     | 44                     |
| 2712-03312        | 00000/0000                           | 2-2003R/0625     | 01/03/77         | 0              | 9920            | 2142N                        | 09014E        | 32.1         | 138.0        | GGFF                                |                     |                      | 147                     | 45                     |
| 2712-03315        | 00000/0000                           | 2-2003R/0626     | 01/03/77         | 10             | 9920            | 2015N                        | 08952E        | 33.0         | 137.2        | FFGF                                |                     |                      | 147                     | 46                     |
| 2712-03321        | 00000/0000                           | 2-2003R/0627     | 01/03/77         | 0              | 9920            | 1849N                        | 08930E        | 33.9         | 136.3        | GGFF                                |                     |                      | 147                     | 47                     |
| 2712-03324        | 00000/0000                           | 2-2003R/0628     | 01/03/77         | 10             | 9920            | 1723N                        | 08908E        | 34.7         | 135.4        | FGGF                                |                     |                      | 147                     | 48                     |
| 2712-03330        | 00000/0000                           | 2-2003R/0629     | 01/03/77         | 30             | 9920            | 1556N                        | 08847E        | 35.6         | 134.5        | GGGG                                |                     |                      | 147                     | 49                     |
| 2712-05053        | 00000/0000                           | 2-2003R/0630     | 01/03/77         | 10             | 9921            | 5909N                        | 07516E        | 9.8          | 152.6        | PFPF                                |                     |                      | 165                     | 23                     |
| 2712-05055        | 00000/0000                           | 2-2003R/0631     | 01/03/77         | 0              | 9921            | 5145N                        | 07433E        | 10.9         | 152.0        | FFFF                                |                     |                      | 165                     | 24                     |
| 2712-05062        | 00000/0000                           | 2-2003R/0632     | 01/03/77         | 10             | 9921            | 5019N                        | 07352E        | 12.0         | 151.3        | FFFF                                |                     |                      | 165                     | 25                     |
| 2712-05064        | 00000/0000                           | 2-2003R/0633     | 01/03/77         | 10             | 9921            | 4854N                        | 07313E        | 13.0         | 150.7        | FFFF                                |                     |                      | 165                     | 26                     |
| 2712-05071        | 00000/0000                           | 2-2003R/0634     | 01/03/77         | 40             | 9921            | 4730N                        | 07236E        | 14.1         | 150.1        | GGGG                                |                     |                      | 165                     | 27                     |
| 2712-05073        | 00000/0000                           | 2-2003R/0635     | 01/03/77         | 70             | 9921            | 4604N                        | 07201E        | 15.2         | 149.5        | GGGG                                |                     |                      | 165                     | 28                     |
| 2712-05080        | 00000/0000                           | 2-2003R/0636     | 01/03/77         | 90             | 9921            | 4499N                        | 07126E        | 16.2         | 148.9        | GGGG                                |                     |                      | 165                     | 29                     |
| 2712-05082        | 00000/0000                           | 2-2003R/0637     | 01/03/77         | 90             | 9921            | 4313N                        | 07054E        | 17.3         | 148.2        | GGGG                                |                     |                      | 165                     | 30                     |
| 2712-05085        | 00000/0000                           | 2-2003R/0638     | 01/03/77         | 90             | 9921            | 4148N                        | 07022E        | 18.3         | 147.6        | FGGG                                |                     |                      | 165                     | 31                     |
| 2712-05091        | 00000/0000                           | 2-2003R/0639     | 01/03/77         | 90             | 9921            | 4023N                        | 06952E        | 19.3         | 147.0        | GGGG                                |                     |                      | 165                     | 32                     |
| 2712-05094        | 00000/0000                           | 2-2003R/0640     | 01/03/77         | 90             | 9921            | 3857N                        | 06923E        | 20.4         | 146.4        | GGGG                                |                     |                      | 165                     | 33                     |
| 2712-05100        | 00000/0000                           | 2-2003R/0641     | 01/03/77         | 90             | 9921            | 3731N                        | 06855E        | 21.4         | 145.8        | GGGG                                |                     |                      | 165                     | 34                     |
| 2712-05103        | 00000/0000                           | 2-2003R/0642     | 01/03/77         | 90             | 9921            | 3605N                        | 06827E        | 22.4         | 145.1        | GGGG                                |                     |                      | 165                     | 35                     |
| 2712-05105        | 00000/0000                           | 2-2003R/0643     | 01/03/77         | 90             | 9921            | 3439N                        | 06800E        | 23.4         | 144.5        | GGGG                                |                     |                      | 165                     | 36                     |
| 2712-05112        | 00000/0000                           | 2-2003R/0644     | 01/03/77         | 90             | 9921            | 3313N                        | 06734E        | 24.4         | 143.8        | GGGF                                |                     |                      | 165                     | 37                     |
| 2712-05114        | 00000/0000                           | 2-2003R/0645     | 01/03/77         | 90             | 9921            | 3147N                        | 06709E        | 25.4         | 143.2        | GGGG                                |                     |                      | 165                     | 38                     |
| 2712-05121        | 00000/0000                           | 2-2003R/0646     | 01/03/77         | 90             | 9921            | 3021N                        | 06644E        | 26.4         | 142.5        | GGGF                                |                     |                      | 165                     | 39                     |
| 2712-05123        | 00000/0000                           | 2-2003R/0647     | 01/03/77         | 70             | 9921            | 2854N                        | 06620E        | 27.4         | 141.8        | GGGG                                |                     |                      | 165                     | 40                     |
| 2712-05130        | 00000/0000                           | 2-2003R/0648     | 01/03/77         | 20             | 9921            | 2728N                        | 06556E        | 28.4         | 141.1        | GGGG                                |                     |                      | 165                     | 41                     |
| 2712-05132        | 00000/0000                           | 2-2003R/0649     | 01/03/77         | 20             | 9921            | 2602N                        | 06533E        | 29.3         | 140.3        | GFGG                                |                     |                      | 165                     | 42                     |
| 2712-05135        | 00000/0000                           | 2-2003R/0650     | 01/03/77         | 20             | 9921            | 2436N                        | 06510E        | 30.2         | 139.6        | FFFF                                |                     |                      | 165                     | 43                     |
| 2712-05141        | 00000/0000                           | 2-2003R/0651     | 01/03/77         | 10             | 9921            | 2309N                        | 06447E        | 31.2         | 138.8        | FFFF                                |                     |                      | 165                     | 44                     |
| 2712-05144        | 00000/0000                           | 2-2003R/0652     | 01/03/77         | 20             | 9921            | 2143N                        | 06424E        | 32.1         | 138.0        | GGGG                                |                     |                      | 165                     | 45                     |
| 2712-06502        | 00000/0000                           | 2-2003R/0579     | 01/03/77         | 0              | 9922            | 4729N                        | 04647E        | 14.1         | 150.1        | GGGG                                |                     |                      | 183                     | 27                     |
| 2712-06505        | 00000/0000                           | 2-2003R/0580     | 01/03/77         | 0              | 9922            | 4604N                        | 04612E        | 15.2         | 149.4        | GGGG                                |                     |                      | 183                     | 28                     |
| 2712-06511        | 00000/0000                           | 2-2003R/0581     | 01/03/77         | 0              | 9922            | 4438N                        | 04538E        | 16.2         | 148.8        | GGGG                                |                     |                      | 183                     | 29                     |
| 2712-06514        | 00000/0000                           | 2-2003R/0582     | 01/03/77         | 10             | 9922            | 4313N                        | 04505E        | 17.3         | 148.2        | GGGG                                |                     |                      | 183                     | 30                     |
| 2712-06520        | 00000/0000                           | 2-2003R/0573     | 01/03/77         | 40             | 9922            | 4148N                        | 04434E        | 18.3         | 147.6        | G GG                                |                     |                      | 183                     | 31                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
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FOR N4N-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RVL | ROLL NO.<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS 123 45678 | MSS<br>DATA MODE | MSS<br>IMAGE GAIN | ORBIT<br>PATH-<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|-----------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|---------------------------------|------------------|-------------------|--------------------------|------------------------|
| 2712-06523        | 00000/0000                           | 2-20038/0583    | 01/03/77         | 20             | 9922            | 4022N                                   | 04403E       | 19.3         | 147.0                           | GGGG             |                   | 183                      | 32                     |
| 2712-13415        | 00000/0000                           | 2-20038/0654    | 01/03/77         | 90             | 9926            | 5309N                                   | 05351W       | 9.8          | 152.6                           | FGGG             |                   | 4                        | 23                     |
| 2712-13421        | 00000/0000                           | 2-20038/0655    | 01/03/77         | 90             | 9926            | 5145N                                   | 05433W       | 10.9         | 151.9                           | FGGF             |                   | 4                        | 24                     |
| 2712-13424        | 00000/0000                           | 2-20038/0656    | 01/03/77         | 90             | 9926            | 5021N                                   | 05514W       | 12.0         | 151.3                           | FGGG             |                   | 4                        | 25                     |
| 2712-13430        | 00000/0000                           | 2-20038/0657    | 01/03/77         | 90             | 9926            | 4856N                                   | 05532W       | 13.0         | 150.6                           | FGGG             |                   | 4                        | 26                     |
| 2712-13433        | 00000/0000                           | 2-20038/0658    | 01/03/77         | 90             | 9926            | 4731N                                   | 05629W       | 14.1         | 150.0                           | GGGG             |                   | 4                        | 27                     |
| 2712-13436        | 00000/0000                           | 2-20038/0659    | 01/03/77         | 100            | 9926            | 4605N                                   | 05704W       | 15.2         | 149.4                           | GGGG             |                   | 4                        | 28                     |
| 2712-13442        | 00000/0000                           | 2-20038/0660    | 01/03/77         | 100            | 9926            | 4440N                                   | 05738W       | 16.2         | 148.8                           | GGGG             |                   | 4                        | 29                     |
| 2712-13444        | 00000/0000                           | 2-20038/0661    | 01/03/77         | 90             | 9926            | 4314N                                   | 05811W       | 17.3         | 148.2                           | GGGG             |                   | 4                        | 30                     |
| 2712-13451        | 00000/0000                           | 2-20038/0662    | 01/03/77         | 90             | 9926            | 4148N                                   | 05843W       | 18.3         | 147.6                           | GGGG             |                   | 4                        | 31                     |
| 2712-17091        | 00000/0000                           | 2-20038/0772    | 01/03/77         | 90             | 9928            | 5019N                                   | 10852W       | 12.0         | 151.3                           | GGGG             |                   | 40                       | 25                     |
| 2713-01485        | 00000/0000                           | 2-20038/0695    | 01/04/77         | 10             | 9933            | 3857N                                   | 11935E       | 20.4         | 146.3                           | FGGF             |                   | 130                      | 33                     |
| 2713-01491        | 00000/0000                           | 2-20038/0696    | 01/04/77         | 10             | 9933            | 3732N                                   | 11906E       | 21.4         | 145.6                           | FGGF             |                   | 130                      | 34                     |
| 2713-01494        | 00000/0000                           | 2-20038/0697    | 01/04/77         | 0              | 9933            | 3606N                                   | 11839E       | 22.4         | 145.0                           | FGGG             |                   | 130                      | 35                     |
| 2713-01503        | 00000/0000                           | 2-20038/0698    | 01/04/77         | 50             | 9933            | 3313N                                   | 11746E       | 24.4         | 143.7                           | GGGG             |                   | 130                      | 37                     |
| 2713-01505        | 00000/0000                           | 2-20038/0699    | 01/04/77         | 90             | 9933            | 3148N                                   | 11721E       | 25.4         | 143.0                           | GGGG             |                   | 130                      | 38                     |
| 2713-01512        | 00000/0000                           | 2-20038/0700    | 01/04/77         | 100            | 9933            | 3022N                                   | 11656E       | 26.4         | 142.3                           | GGGG             |                   | 130                      | 39                     |
| 2713-01514        | 00000/0000                           | 2-20038/0701    | 01/04/77         | 100            | 9933            | 2856N                                   | 11631E       | 27.4         | 141.6                           | GF F             |                   | 130                      | 40                     |
| 2713-01521        | 00000/0000                           | 2-20038/0702    | 01/04/77         | 100            | 9933            | 2729N                                   | 11608E       | 28.4         | 140.9                           | GGGF             |                   | 130                      | 41                     |
| 2713-01523        | 00000/0000                           | 2-20038/0703    | 01/04/77         | 100            | 9933            | 2603N                                   | 11545E       | 29.3         | 140.2                           | GGG              |                   | 130                      | 42                     |
| 2713-01530        | 00000/0000                           | 2-20038/0704    | 01/04/77         | 100            | 9933            | 2437N                                   | 11522E       | 30.2         | 139.4                           | GGGG             |                   | 130                      | 43                     |
| 2713-01532        | 00000/0000                           | 2-20038/0705    | 01/04/77         | 100            | 9933            | 2310N                                   | 11459E       | 31.2         | 138.6                           | GGGG             |                   | 130                      | 44                     |
| 2713-03305        | 00000/0000                           | 2-20038/1105    | 01/04/77         | 10             | 9934            | 4313N                                   | 09517E       | 17.3         | 148.1                           | FF               |                   | 148                      | 30                     |
| 2713-03311        | 00000/0000                           | 2-20038/1106    | 01/04/77         | 0              | 9934            | 4148N                                   | 09445E       | 18.3         | 147.5                           | FFG              |                   | 148                      | 31                     |
| 2713-03314        | 00000/0000                           | 2-20038/1107    | 01/04/77         | 30             | 9934            | 4022N                                   | 09415E       | 19.4         | 146.9                           | FF               |                   | 148                      | 32                     |
| 2713-03320        | 00000/0000                           | 2-20038/1108    | 01/04/77         | 30             | 9934            | 3857N                                   | 09346E       | 20.4         | 146.3                           | FGFG             |                   | 148                      | 33                     |
| 2713-03323        | 00000/0000                           | 2-20038/1109    | 01/04/77         | 30             | 9934            | 3731N                                   | 09318E       | 21.4         | 145.6                           | GGF              |                   | 148                      | 34                     |
| 2713-03325        | 00000/0000                           | 2-20038/1110    | 01/04/77         | 50             | 9934            | 3605N                                   | 09250E       | 22.4         | 145.0                           | FFFG             |                   | 148                      | 35                     |
| 2713-03332        | 00000/0000                           | 2-20038/1111    | 01/04/77         | 60             | 9934            | 3439N                                   | 09223E       | 23.5         | 144.3                           | PPPP             |                   | 148                      | 36                     |
| 2713-03334        | 00000/0000                           | 2-20038/1112    | 01/04/77         | 40             | 9934            | 3313N                                   | 09157E       | 24.5         | 143.7                           | FGGG             |                   | 148                      | 37                     |
| 2713-03341        | 00000/0000                           | 2-20038/1104    | 01/04/77         | 30             | 9934            | 3147N                                   | 09132E       | 25.4         | 143.0                           | P P              |                   | 148                      | 38                     |
| 2713-03343        | 00000/0000                           | 2-20038/1113    | 01/04/77         | 10             | 9934            | 3021N                                   | 09107E       | 26.4         | 142.3                           | FGGG             |                   | 148                      | 39                     |
| 2713-03350        | 00000/0000                           | 2-20038/1114    | 01/04/77         | 10             | 9934            | 2855N                                   | 09042E       | 27.4         | 141.6                           | FGGG             |                   | 148                      | 40                     |
| 2713-03352        | 00000/0000                           | 2-20038/1115    | 01/04/77         | 0              | 9934            | 2729N                                   | 09018E       | 28.4         | 140.9                           | PGGP             |                   | 148                      | 41                     |
| 2713-03355        | 00000/0000                           | 2-20038/1116    | 01/04/77         | 0              | 9934            | 2603N                                   | 08955E       | 29.3         | 140.2                           | PPPP             |                   | 148                      | 42                     |
| 2713-03364        | 00000/0000                           | 2-20038/1117    | 01/04/77         | 0              | 9934            | 2309N                                   | 08910E       | 31.2         | 138.6                           | FFFG             |                   | 148                      | 44                     |

KEYS: CLOUD COVER 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD COVER | SAT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|-------------|---------------|------------------------------|---------------|--------------|--------------|-----------------------|------------------|----------------------|-------------------------|------------------------|
| 2713-03370        | 00000/0000                           | 2-20038/1118     | 01/04/77         | 0           | 9934          | 2142N                        | 08848E        | 32.1         | 137.8        | PPG                   |                  |                      | 148                     | 45                     |
| 2713-03373        | 00000/0000                           | 2-20038/1119     | 01/04/77         | 0           | 9934          | 2016N                        | 08826E        | 33.0         | 137.0        | FGFP                  |                  |                      | 148                     | 46                     |
| 2713-03375        | 00000/0000                           | 2-20038/1120     | 01/04/77         | 0           | 9934          | 1850N                        | 08804E        | 33.9         | 136.1        | GGGF                  |                  |                      | 148                     | 47                     |
| 2713-03382        | 00000/0000                           | 2-20038/1121     | 01/04/77         | 10          | 9934          | 1733N                        | 08743E        | 34.7         | 135.2        | FGGG                  |                  |                      | 148                     | 48                     |
| 2713-03384        | 00000/0000                           | 2-20038/1122     | 01/04/77         | 40          | 9934          | 1556N                        | 08722E        | 35.6         | 134.3        | GGGG                  |                  |                      | 148                     | 49                     |
| 2713-03391        | 00000/0000                           | 2-20038/1123     | 01/04/77         | 30          | 9934          | 1430N                        | 08701E        | 36.4         | 133.4        | FGGG                  |                  |                      | 148                     | 50                     |
| 2713-05111        | 00000/0000                           | 2-20038/1124     | 01/04/77         | 0           | 9935          | 5309N                        | 07349E        | 9.9          | 152.5        | PGFF                  |                  |                      | 166                     | 23                     |
| 2713-05113        | 00000/0000                           | 2-20038/1125     | 01/04/77         | 0           | 9935          | 5144N                        | 07306E        | 11.0         | 151.8        | FGGF                  |                  |                      | 166                     | 24                     |
| 2713-05120        | 00000/0000                           | 2-20038/1126     | 01/04/77         | 10          | 9935          | 5019N                        | 07225E        | 12.0         | 151.2        | FGG                   |                  |                      | 166                     | 25                     |
| 2713-05122        | 00000/0000                           | 2-20038/1127     | 01/04/77         | 20          | 9935          | 4854N                        | 07147E        | 13.1         | 150.5        | FF                    |                  |                      | 166                     | 26                     |
| 2713-05125        | 00000/0000                           | 2-20038/1128     | 01/04/77         | 90          | 9935          | 4729N                        | 07109E        | 14.1         | 149.9        | GGGG                  |                  |                      | 166                     | 27                     |
| 2713-05131        | 00000/0000                           | 2-20038/1129     | 01/04/77         | 80          | 9935          | 4604N                        | 07034E        | 15.2         | 149.3        | GGGG                  |                  |                      | 166                     | 28                     |
| 2713-05134        | 00000/0000                           | 2-20038/1130     | 01/04/77         | 70          | 9935          | 4439N                        | 07000E        | 16.3         | 148.7        | FGGF                  |                  |                      | 166                     | 29                     |
| 2713-05140        | 00000/0000                           | 2-20038/1131     | 01/04/77         | 70          | 9935          | 4313N                        | 06927E        | 17.3         | 148.1        | GGFG                  |                  |                      | 166                     | 30                     |
| 2713-05143        | 00000/0000                           | 2-20038/1132     | 01/04/77         | 80          | 9935          | 4148N                        | 06855E        | 18.3         | 147.5        | GGGG                  |                  |                      | 166                     | 31                     |
| 2713-05145        | 00000/0000                           | 2-20038/1133     | 01/04/77         | 90          | 9935          | 4022N                        | 06825E        | 19.4         | 146.9        | GGGG                  |                  |                      | 166                     | 32                     |
| 2713-05152        | 00000/0000                           | 2-20038/1134     | 01/04/77         | 90          | 9935          | 3856N                        | 06757E        | 20.4         | 146.2        | GGGG                  |                  |                      | 166                     | 33                     |
| 2713-05154        | 00000/0000                           | 2-20038/1135     | 01/04/77         | 100         | 9935          | 3731N                        | 06729E        | 21.4         | 145.6        | GGGG                  |                  |                      | 166                     | 34                     |
| 2713-05161        | 00000/0000                           | 2-20038/1136     | 01/04/77         | 80          | 9935          | 3606N                        | 06702E        | 22.5         | 145.0        | GGGG                  |                  |                      | 166                     | 35                     |
| 2713-05163        | 00000/0000                           | 2-20038/1137     | 01/04/77         | 70          | 9935          | 3440N                        | 06635E        | 23.5         | 144.3        | GGGG                  |                  |                      | 166                     | 36                     |
| 2713-05170        | 00000/0000                           | 2-20038/1138     | 01/04/77         | 60          | 9935          | 3313N                        | 06608E        | 24.5         | 143.7        | GGGG                  |                  |                      | 166                     | 37                     |
| 2713-05172        | 00000/0000                           | 2-20038/1139     | 01/04/77         | 30          | 9935          | 3147N                        | 06542E        | 25.5         | 143.0        | FGFG                  |                  |                      | 166                     | 38                     |
| 2713-05175        | 00000/0000                           | 2-20038/1140     | 01/04/77         | 30          | 9935          | 3020N                        | 06517E        | 26.4         | 142.3        | GGGG                  |                  |                      | 166                     | 39                     |
| 2713-05181        | 00000/0000                           | 2-20038/1141     | 01/04/77         | 40          | 9935          | 2854N                        | 06453E        | 27.4         | 141.6        | FGGG                  |                  |                      | 166                     | 40                     |
| 2713-05184        | 00000/0000                           | 2-20038/1142     | 01/04/77         | 40          | 9935          | 2728N                        | 06429E        | 28.4         | 140.9        | FGGG                  |                  |                      | 166                     | 41                     |
| 2713-05190        | 00000/0000                           | 2-20038/1143     | 01/04/77         | 30          | 9935          | 2601N                        | 06405E        | 29.3         | 140.2        | GGGF                  |                  |                      | 166                     | 42                     |
| 2713-05193        | 00000/0000                           | 2-20038/1144     | 01/04/77         | 40          | 9935          | 2435N                        | 06342E        | 30.3         | 139.4        | FGGF                  |                  |                      | 166                     | 43                     |
| 2713-05195        | 00000/0000                           | 2-20038/1145     | 01/04/77         | 20          | 9935          | 2308N                        | 06319E        | 31.2         | 138.6        | GGGG                  |                  |                      | 166                     | 44                     |
| 2713-05202        | 00000/0000                           | 2-20038/1146     | 01/04/77         | 20          | 9935          | 2141N                        | 06257E        | 32.1         | 137.8        | GGGG                  |                  |                      | 166                     | 45                     |
| 2713-06560        | 00000/0000                           | 2-20038/0706     | 01/04/77         | 0           | 9936          | 4728N                        | 04520E        | 14.2         | 149.9        | GGGG                  |                  |                      | 184                     | 27                     |
| 2713-06563        | 00000/0000                           | 2-20038/0707     | 01/04/77         | 0           | 9936          | 4603N                        | 04444E        | 15.2         | 149.3        | GGG                   |                  |                      | 184                     | 28                     |
| 2713-06565        | 00000/0000                           | 2-20038/0708     | 01/04/77         | 10          | 9936          | 4439N                        | 04410E        | 16.3         | 148.7        | GGGG                  |                  |                      | 184                     | 29                     |
| 2713-06572        | 00000/0000                           | 2-20038/0709     | 01/04/77         | 10          | 9936          | 4313N                        | 04337E        | 17.3         | 148.1        | GGGG                  |                  |                      | 184                     | 30                     |
| 2713-13473        | 00000/0000                           | 2-20038/0764     | 01/04/77         | 20          | 9940          | 5309N                        | 05517W        | 9.9          | 152.4        | FFFF                  |                  |                      | 5                       | 23                     |
| 2713-13475        | 00000/0000                           | 2-20038/0765     | 01/04/77         | 10          | 9940          | 5145N                        | 05400W        | 11.0         | 151.8        | FGGG                  |                  |                      | 5                       | 24                     |
| 2713-13484        | 00000/0000                           | 2-20038/0766     | 01/04/77         | 80          | 9940          | 4855N                        | 05719W        | 13.1         | 150.5        | GGGG                  |                  |                      | 5                       | 26                     |

KEYS: CLOUD COVER \* ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2713-13491        | 00000/0000                   | 2-2003A/0767                | 01/04/77         | 90             | 9940            | 4730N                        | 05755W        | 14.2         | 149.9        | GGGG                               |                     |                      | 5                       | 27                     |
| 2713-13493        | 00000/0000                   | 2-2003A/0768                | 01/04/77         | 80             | 9940            | 4605N                        | 05830W        | 15.2         | 149.3        | FGGG                               |                     |                      | 5                       | 28                     |
| 2713-13500        | 00000/0000                   | 2-2003A/0769                | 01/04/77         | 100            | 9940            | 4440N                        | 05904W        | 16.3         | 148.6        | FGGG                               |                     |                      | 5                       | 29                     |
| 2713-13502        | 00000/0000                   | 2-2003A/0770                | 01/04/77         | 90             | 9940            | 4314N                        | 05937W        | 17.3         | 148.0        | FGGG                               |                     |                      | 5                       | 30                     |
| 2713-13505        | 00000/0000                   | 2-2003A/0771                | 01/04/77         | 90             | 9940            | 4149N                        | 06008W        | 18.4         | 147.4        | GGGG                               |                     |                      | 5                       | 31                     |
| 2713-17145        | 00000/0000                   | 2-2003A/0597                | 01/04/77         | 70             | 9942            | 5019N                        | 10819W        | 12.0         | 151.1        | GGFF                               |                     |                      | 41                      | 25                     |
| 2713-17204        | 00000/0000                   | 2-2003A/0598                | 01/04/77         | 90             | 9942            | 3021N                        | 11524W        | 26.4         | 142.2        | GGGG                               |                     |                      | 41                      | 39                     |
| 2714-01540        | 00000/0000                   | 2-2003A/0710                | 01/05/77         | 0              | 9947            | 4023N                        | 11837E        | 19.4         | 146.7        | FGGG                               |                     |                      | 131                     | 32                     |
| 2714-01543        | 00000/0000                   | 2-2003A/0711                | 01/05/77         | 0              | 9947            | 3858N                        | 11808E        | 20.4         | 146.1        | GGGF                               |                     |                      | 131                     | 33                     |
| 2714-01545        | 00000/0000                   | 2-2003A/0712                | 01/05/77         | 0              | 9947            | 3731N                        | 11735E        | 21.5         | 145.5        | GGGG                               |                     |                      | 131                     | 34                     |
| 2714-01552        | 00000/0000                   | 2-2003A/0713                | 01/05/77         | 0              | 9947            | 3605N                        | 11712E        | 22.5         | 144.8        | GGGG                               |                     |                      | 131                     | 35                     |
| 2714-01554        | 00000/0000                   | 2-2003A/0714                | 01/05/77         | 0              | 9947            | 3439N                        | 11645E        | 23.5         | 144.2        | GGGG                               |                     |                      | 131                     | 36                     |
| 2714-01561        | 00000/0000                   | 2-2003A/0715                | 01/05/77         | 10             | 9947            | 3313N                        | 11619E        | 24.5         | 143.5        | GGGG                               |                     |                      | 131                     | 37                     |
| 2714-01563        | 00000/0000                   | 2-2003A/0716                | 01/05/77         | 40             | 9947            | 3148N                        | 11554E        | 25.5         | 142.9        | GGGG                               |                     |                      | 131                     | 38                     |
| 2714-01570        | 00000/0000                   | 2-2003A/0717                | 01/05/77         | 10             | 9947            | 3022N                        | 11529E        | 26.4         | 142.2        | GGGG                               |                     |                      | 131                     | 39                     |
| 2714-01572        | 00000/0000                   | 2-2003A/0718                | 01/05/77         | 10             | 9947            | 2856N                        | 11504E        | 27.4         | 141.5        | GGGG                               |                     |                      | 131                     | 40                     |
| 2714-01575        | 00000/0000                   | 2-2003A/0719                | 01/05/77         | 60             | 9947            | 2729N                        | 11441E        | 28.4         | 140.7        | GGGG                               |                     |                      | 131                     | 41                     |
| 2714-01581        | 00000/0000                   | 2-2003A/0720                | 01/05/77         | 70             | 9947            | 2603N                        | 11418E        | 29.3         | 140.0        | GGGG                               |                     |                      | 131                     | 42                     |
| 2714-01584        | 00000/0000                   | 2-2003A/0721                | 01/05/77         | 70             | 9947            | 2437N                        | 11355E        | 30.3         | 139.2        | GGGG                               |                     |                      | 131                     | 43                     |
| 2714-01590        | 00000/0000                   | 2-2003A/0722                | 01/05/77         | 30             | 9947            | 2310N                        | 11333E        | 31.2         | 138.4        | GGGG                               |                     |                      | 131                     | 44                     |
| 2714-03354        | 00000/0000                   | 2-2003A/0773                | 01/05/77         | 0              | 9948            | 4604N                        | 09457E        | 15.3         | 149.2        | GFGG                               |                     |                      | 149                     | 28                     |
| 2714-03360        | 00000/0000                   | 2-2003A/0774                | 01/05/77         | 10             | 9948            | 4439N                        | 09423E        | 16.3         | 148.6        | GFGG                               |                     |                      | 149                     | 29                     |
| 2714-03363        | 00000/0000                   | 2-2003A/0775                | 01/05/77         | 20             | 9948            | 4314N                        | 09350E        | 17.3         | 147.9        | GGFG                               |                     |                      | 149                     | 30                     |
| 2714-03365        | 00000/0000                   | 2-2003A/0776                | 01/05/77         | 0              | 9948            | 4148N                        | 09319E        | 18.4         | 147.3        | GGGG                               |                     |                      | 149                     | 31                     |
| 2714-03372        | 00000/0000                   | 2-2003A/0777                | 01/05/77         | 10             | 9948            | 4022N                        | 09249E        | 19.4         | 146.7        | GGGG                               |                     |                      | 149                     | 32                     |
| 2714-03374        | 00000/0000                   | 2-2003A/0778                | 01/05/77         | 10             | 9948            | 3857N                        | 09220E        | 20.5         | 146.1        | FGGG                               |                     |                      | 149                     | 33                     |
| 2714-03381        | 00000/0000                   | 2-2003A/0779                | 01/05/77         | 10             | 9948            | 3731N                        | 09152E        | 21.5         | 145.5        | FGGG                               |                     |                      | 149                     | 34                     |
| 2714-03383        | 00000/0000                   | 2-2003A/0780                | 01/05/77         | 30             | 9948            | 3604N                        | 09123E        | 22.5         | 144.8        | GGGG                               |                     |                      | 149                     | 35                     |
| 2714-03390        | 00000/0000                   | 2-2003A/0781                | 01/05/77         | 20             | 9948            | 3439N                        | 09057E        | 23.5         | 144.2        | FGGG                               |                     |                      | 149                     | 36                     |
| 2714-03392        | 00000/0000                   | 2-2003A/0782                | 01/05/77         | 30             | 9948            | 3313N                        | 09030E        | 24.5         | 143.5        | GGGG                               |                     |                      | 149                     | 37                     |
| 2714-03395        | 00000/0000                   | 2-2003A/0783                | 01/05/77         | 40             | 9948            | 3147N                        | 09005E        | 25.5         | 142.8        | GGGG                               |                     |                      | 149                     | 38                     |
| 2714-03401        | 00000/0000                   | 2-2003A/0784                | 01/05/77         | 20             | 9948            | 3022N                        | 08940E        | 26.5         | 142.2        | GGGG                               |                     |                      | 149                     | 39                     |
| 2714-03404        | 00000/0000                   | 2-2003A/0785                | 01/05/77         | 10             | 9948            | 2855N                        | 08916E        | 27.4         | 141.4        | GGGG                               |                     |                      | 149                     | 40                     |
| 2714-03410        | 00000/0000                   | 2-2003A/0786                | 01/05/77         | 10             | 9948            | 2729N                        | 08852E        | 28.4         | 140.7        | GGGG                               |                     |                      | 149                     | 41                     |
| 2714-03413        | 00000/0000                   | 2-2003A/0787                | 01/05/77         | 10             | 9948            | 2602N                        | 08829E        | 29.3         | 140.0        | GGGG                               |                     |                      | 149                     | 42                     |
| 2714-03415        | 00000/0000                   | 2-2003A/0788                | 01/05/77         | 0              | 9948            | 2435N                        | 08806E        | 30.3         | 139.2        | FGGG                               |                     |                      | 149                     | 43                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|---------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2714-03422        | 00000/0000                                     | 2-2003R/0789     | 01/05/77       | 0             | 9948                         | 2309N         | 08744E       | 31.2         | 138.4                              | GGGG                |                      | 149                     | 44                     |
| 2714-03424        | 00000/0000                                     | 2-2003R/0790     | 01/05/77       | 0             | 9948                         | 2142N         | 08721E       | 32.1         | 137.6                              | GGGG                |                      | 149                     | 45                     |
| 2714-03431        | 00000/0000                                     | 2-2003R/0791     | 01/05/77       | 10            | 9948                         | 2015N         | 08659E       | 33.0         | 136.8                              | GGGG                |                      | 149                     | 46                     |
| 2714-03433        | 00000/0000                                     | 2-2003R/0792     | 01/05/77       | 10            | 9948                         | 1848N         | 08638E       | 33.9         | 135.9                              | GGGG                |                      | 149                     | 47                     |
| 2714-03440        | 00000/0000                                     | 2-2003R/0793     | 01/05/77       | 10            | 9948                         | 1722N         | 08616E       | 34.7         | 135.0                              | GGGG                |                      | 149                     | 48                     |
| 2714-03442        | 00000/0000                                     | 2-2003R/0794     | 01/05/77       | 30            | 9948                         | 1556N         | 08555E       | 35.6         | 134.1                              | GGGG                |                      | 149                     | 49                     |
| 2714-03445        | 00000/0000                                     | 2-2003R/0795     | 01/05/77       | 47            | 9948                         | 1430N         | 08534E       | 36.4         | 133.2                              | GGGG                |                      | 149                     | 50                     |
| 2714-03445        | 00000/0000                                     | 2-2003R/0796     | 01/05/77       | 80            | 9949                         | 5308N         | 07223E       | 10.0         | 152.3                              | GGGG                |                      | 167                     | 23                     |
| 2714-05165        | 00000/0000                                     | 2-2003R/0797     | 01/05/77       | 20            | 9949                         | 5143N         | 07141E       | 11.0         | 151.7                              | GGGG                |                      | 167                     | 24                     |
| 2714-05172        | 00000/0000                                     | 2-2003R/0798     | 01/05/77       | 30            | 9949                         | 5019N         | 07100E       | 12.1         | 151.0                              | GGGG                |                      | 167                     | 25                     |
| 2714-05174        | 00000/0000                                     | 2-2003R/0799     | 01/05/77       | 80            | 9949                         | 4844N         | 07021E       | 13.2         | 150.4                              | GGGG                |                      | 167                     | 26                     |
| 2714-05181        | 00000/0000                                     | 2-2003R/0800     | 01/05/77       | 80            | 9949                         | 4729N         | 06943E       | 14.2         | 149.8                              | GGGG                |                      | 167                     | 27                     |
| 2714-05183        | 00000/0000                                     | 2-2003R/0801     | 01/05/77       | 90            | 9949                         | 4604N         | 06908E       | 15.3         | 149.2                              | GGGG                |                      | 167                     | 28                     |
| 2714-05190        | 00000/0000                                     | 2-2003R/0802     | 01/05/77       | 50            | 9949                         | 4439N         | 06834E       | 16.3         | 148.5                              | GGGG                |                      | 167                     | 29                     |
| 2714-05192        | 00000/0000                                     | 2-2003R/0803     | 01/05/77       | 10            | 9949                         | 4313N         | 06801E       | 17.4         | 147.9                              | GGGG                |                      | 167                     | 30                     |
| 2714-05195        | 00000/0000                                     | 2-2003R/0804     | 01/05/77       | 70            | 9949                         | 4022N         | 06700E       | 19.4         | 146.7                              | GGGG                |                      | 167                     | 31                     |
| 2714-05204        | 00000/0000                                     | 2-2003R/0805     | 01/05/77       | 90            | 9949                         | 3856N         | 06631E       | 20.5         | 146.1                              | GGGG                |                      | 167                     | 32                     |
| 2714-05210        | 00000/0000                                     | 2-2003R/0806     | 01/05/77       | 90            | 9949                         | 3731N         | 06603E       | 21.5         | 145.4                              | GGGG                |                      | 167                     | 33                     |
| 2714-05213        | 00000/0000                                     | 2-2003R/0807     | 01/05/77       | 90            | 9949                         | 3615N         | 06536E       | 22.5         | 144.8                              | GGGG                |                      | 167                     | 34                     |
| 2714-05215        | 00000/0000                                     | 2-2003R/0808     | 01/05/77       | 90            | 9949                         | 3439N         | 06510E       | 23.5         | 144.2                              | GGGG                |                      | 167                     | 35                     |
| 2714-05222        | 00000/0000                                     | 2-2003R/0809     | 01/05/77       | 60            | 9949                         | 3313N         | 06443E       | 24.5         | 143.5                              | GGGG                |                      | 167                     | 36                     |
| 2714-05224        | 00000/0000                                     | 2-2003R/0810     | 01/05/77       | 40            | 9949                         | 3146N         | 06417E       | 25.5         | 142.8                              | GGGG                |                      | 167                     | 37                     |
| 2714-05231        | 00000/0000                                     | 2-2003R/0811     | 01/05/77       | 70            | 9949                         | 3020N         | 06352E       | 26.5         | 142.1                              | GGGG                |                      | 167                     | 38                     |
| 2714-05233        | 00000/0000                                     | 2-2003R/0812     | 01/05/77       | 70            | 9949                         | 2853N         | 06327E       | 27.4         | 141.4                              | GGGG                |                      | 167                     | 39                     |
| 2714-05240        | 00000/0000                                     | 2-2003R/0813     | 01/05/77       | 30            | 9949                         | 2727N         | 06303E       | 28.4         | 140.7                              | GGGG                |                      | 167                     | 40                     |
| 2714-05242        | 00000/0000                                     | 2-2003R/0814     | 01/05/77       | 10            | 9949                         | 2600N         | 06239E       | 29.3         | 140.0                              | GGGG                |                      | 167                     | 41                     |
| 2714-05245        | 00000/0000                                     | 2-2003R/0815     | 01/05/77       | 10            | 9949                         | 2434N         | 06217E       | 30.3         | 139.2                              | GGGG                |                      | 167                     | 42                     |
| 2714-05251        | 00000/0000                                     | 2-2003R/0816     | 01/05/77       | 10            | 9949                         | 2307N         | 06154E       | 31.2         | 138.4                              | GGGG                |                      | 167                     | 43                     |
| 2714-05254        | 00000/0000                                     | 2-2003R/0817     | 01/05/77       | 100           | 9950                         | 4853N         | 04431E       | 13.2         | 150.4                              | GGGG                |                      | 167                     | 44                     |
| 2714-07012        | 00000/0000                                     | 2-2003R/0723     | 01/05/77       | 50            | 9950                         | 4728N         | 04354E       | 14.2         | 149.8                              | GGGG                |                      | 185                     | 26                     |
| 2714-07015        | 00000/0000                                     | 2-2003R/0724     | 01/05/77       | 60            | 9950                         | 4602N         | 04318E       | 15.3         | 149.1                              | GGGG                |                      | 185                     | 27                     |
| 2714-07021        | 00000/0000                                     | 2-2003R/0725     | 01/05/77       | 40            | 9950                         | 4427N         | 04244E       | 16.3         | 148.5                              | GGGG                |                      | 185                     | 28                     |
| 2714-07024        | 00000/0000                                     | 2-2003R/0726     | 01/05/77       | 100           | 9954                         | 5309N         | 05643W       | 10.0         | 152.3                              | GGGG                |                      | 6                       | 23                     |
| 2714-13531        | 00000/0000                                     | 2-2003R/0599     | 01/05/77       | 90            | 9954                         | 5144N         | 05725W       | 11.0         | 151.6                              | GGGG                |                      | 6                       | 24                     |
| 2714-13533        | 00000/0000                                     | 2-2003R/0600     | 01/05/77       | 90            | 9954                         | 5019N         | 05605W       | 12.1         | 151.0                              | GGGG                |                      | 6                       | 25                     |
| 2714-13540        | 00000/0000                                     | 2-2003R/0601     | 01/05/77       | 90            | 9954                         | 4855N         | 05443W       | 13.2         | 150.3                              | GGGG                |                      | 6                       | 26                     |
| 2714-13542        | 00000/0000                                     | 2-2003R/0602     | 01/05/77       | 90            | 9954                         |               |              |              |                                    |                     |                      |                         |                        |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NMN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA | MSS<br>IMAGE | ORBIT<br>PATH-<br>NUMBER | FRAME<br>ROW<br>NUMBER |    |
|-------------------|------------------------------------------------|------------------|-----------------------|------------------------------------|--------------|--------------|-------------------|-------------|--------------|--------------------------|------------------------|----|
|                   | MSS                                            |                  |                       | LONG                               |              |              | 123 45678         | MODE        | GAIN         |                          |                        |    |
| 2714-13545        | 00000/0000                                     | 2-2003R/0603     | 01/05/77              | 10n                                | 9954         | 4770N        | 05919W            | 14.2        | 149.7        | GGGG                     | 6                      | 27 |
| 2714-13551        | 00000/0000                                     | 2-2003R/0604     | 01/05/77              | 10n                                | 9954         | 4675N        | 05955W            | 15.3        | 149.1        | GGGG                     | 6                      | 28 |
| 2714-13554        | 00000/0000                                     | 2-2003R/0605     | 01/05/77              | 10n                                | 9954         | 4440N        | 06029W            | 16.3        | 148.5        | GGGG                     | 6                      | 29 |
| 2714-13560        | 00000/0000                                     | 2-2003R/0606     | 01/05/77              | 10n                                | 9954         | 4314N        | 06102W            | 17.4        | 147.9        | GGGG                     | 6                      | 30 |
| 2714-13563        | 00000/0000                                     | 2-2003R/0607     | 01/05/77              | 9n                                 | 9954         | 4148N        | 06134W            | 18.4        | 147.3        | GGGG                     | 6                      | 31 |
| 2714-17203        | 00000/0000                                     | 2-2003R/0622     | 01/05/77              | 9n                                 | 9956         | 5019N        | 10945W            | 12.1        | 151.0        | GGGG                     | 42                     | 25 |
| 2715-01595        | 00000/0000                                     | 2-2003R/0729     | 01/06/77              | 1n                                 | 9961         | 4023N        | 11712E            | 19.5        | 146.6        | GGGG                     | 132                    | 32 |
| 2715-02001        | 00000/0000                                     | 2-2003R/0730     | 01/06/77              | 2n                                 | 9961         | 3857N        | 11643E            | 20.5        | 145.9        | GGGG                     | 132                    | 33 |
| 2715-02004        | 00000/0000                                     | 2-2003R/0731     | 01/06/77              | 3n                                 | 9961         | 3732N        | 11614E            | 21.5        | 145.3        | GGGG                     | 132                    | 34 |
| 2715-02010        | 00000/0000                                     | 2-2003R/0732     | 01/06/77              | 7                                  | 9961         | 3606N        | 11547E            | 22.5        | 144.7        | GGGG                     | 132                    | 35 |
| 2715-02013        | 00000/0000                                     | 2-2003R/0733     | 01/06/77              | 0                                  | 9961         | 3440N        | 11519E            | 23.5        | 144.0        | GGGG                     | 132                    | 36 |
| 2715-02015        | 00000/0000                                     | 2-2003R/0734     | 01/06/77              | 1n                                 | 9961         | 3314N        | 11453E            | 24.5        | 143.4        | GGGG                     | 132                    | 37 |
| 2715-02022        | 00000/0000                                     | 2-2003R/0735     | 01/06/77              | 2n                                 | 9961         | 3148N        | 11428E            | 25.5        | 142.7        | GGGG                     | 132                    | 38 |
| 2715-02024        | 00000/0000                                     | 2-2003R/0736     | 01/06/77              | 5n                                 | 9961         | 3022N        | 11403E            | 26.5        | 142.0        | GGGG                     | 132                    | 39 |
| 2715-02031        | 00000/0000                                     | 2-2003R/0737     | 01/06/77              | 10n                                | 9961         | 2855N        | 11339E            | 27.4        | 141.3        | GGGG                     | 132                    | 40 |
| 2715-02033        | 00000/0000                                     | 2-2003R/0738     | 01/06/77              | 9n                                 | 9961         | 2729N        | 11315E            | 28.4        | 140.6        | GGGG                     | 132                    | 41 |
| 2715-02040        | 00000/0000                                     | 2-2003R/0739     | 01/06/77              | 9n                                 | 9961         | 2602N        | 11252E            | 29.3        | 139.8        | GGGG                     | 132                    | 42 |
| 2715-02042        | 00000/0000                                     | 2-2003R/0740     | 01/06/77              | 9n                                 | 9961         | 2436N        | 11229E            | 30.3        | 139.0        | GGGG                     | 132                    | 43 |
| 2715-02045        | 00000/0000                                     | 2-2003R/0741     | 01/06/77              | 10n                                | 9961         | 2310N        | 11207E            | 31.2        | 138.3        | GGGG                     | 132                    | 44 |
| 2715-02051        | 00000/0000                                     | 2-2003R/0742     | 01/06/77              | 9n                                 | 9961         | 2144N        | 11145E            | 32.1        | 137.4        | GGGG                     | 132                    | 45 |
| 2715-03403        | 00000/0000                                     | 2-2003R/0823     | 01/06/77              | 7n                                 | 9962         | 4854N        | 09442E            | 13.2        | 150.3        | FFGG                     | 150                    | 24 |
| 2715-03410        | 00000/0000                                     | 2-2003R/0824     | 01/06/77              | 10n                                | 9962         | 4729N        | 09406E            | 14.3        | 149.6        | FFGG                     | 150                    | 27 |
| 2715-03412        | 00000/0000                                     | 2-2003R/0825     | 01/06/77              | 8n                                 | 9962         | 4604N        | 09331E            | 15.3        | 149.0        | FFGG                     | 150                    | 28 |
| 2715-03415        | 00000/0000                                     | 2-2003R/0826     | 01/06/77              | 8n                                 | 9962         | 4439N        | 09257E            | 16.4        | 148.4        | GGGG                     | 150                    | 29 |
| 2715-03421        | 00000/0000                                     | 2-2003R/0827     | 01/06/77              | 7n                                 | 9962         | 4313N        | 09224E            | 17.4        | 147.8        | FFGG                     | 150                    | 30 |
| 2715-03424        | 00000/0000                                     | 2-2003R/0828     | 01/06/77              | 9n                                 | 9962         | 4148N        | 09152E            | 18.4        | 147.2        | GGGG                     | 150                    | 31 |
| 2715-03430        | 00000/0000                                     | 2-2003R/0829     | 01/06/77              | 9n                                 | 9962         | 4022N        | 09122E            | 19.5        | 146.5        | FFGG                     | 150                    | 32 |
| 2715-03433        | 00000/0000                                     | 2-2003R/0830     | 01/06/77              | 7n                                 | 9962         | 3856N        | 09052E            | 20.5        | 145.9        | FFGG                     | 150                    | 33 |
| 2715-03435        | 00000/0000                                     | 2-2003R/0831     | 01/06/77              | 4n                                 | 9962         | 3731N        | 09024E            | 21.5        | 145.3        | GGGG                     | 150                    | 34 |
| 2715-03442        | 00000/0000                                     | 2-2003R/0832     | 01/06/77              | 7n                                 | 9962         | 3605N        | 08956E            | 22.5        | 144.7        | GGGG                     | 150                    | 35 |
| 2715-03444        | 00000/0000                                     | 2-2003R/0833     | 01/06/77              | 6n                                 | 9962         | 3439N        | 08930E            | 23.5        | 144.0        | GGGG                     | 150                    | 36 |
| 2715-03451        | 00000/0000                                     | 2-2003R/0834     | 01/06/77              | 4n                                 | 9962         | 3313N        | 08904E            | 24.5        | 143.3        | GGGG                     | 150                    | 37 |
| 2715-03453        | 00000/0000                                     | 2-2003R/0835     | 01/06/77              | 2n                                 | 9962         | 3147N        | 08838E            | 25.5        | 142.7        | GGGG                     | 150                    | 38 |
| 2715-03460        | 00000/0000                                     | 2-2003R/0836     | 01/06/77              | 1n                                 | 9962         | 3020N        | 08813E            | 26.5        | 142.0        | GGGG                     | 150                    | 39 |
| 2715-03462        | 00000/0000                                     | 2-2003R/0837     | 01/06/77              | 1n                                 | 9962         | 2854N        | 08749E            | 27.5        | 141.3        | GGGG                     | 150                    | 40 |
| 2715-03465        | 00000/0000                                     | 2-2003R/0838     | 01/06/77              | 1n                                 | 9962         | 2727N        | 08725E            | 28.4        | 140.5        | GGGG                     | 150                    | 41 |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NAN-US  
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| OBSERVATION<br>ID | MICROFILM ROLL NO.<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-----------------------------------------------|------------------|-----------------------|------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2715-03471        | 00000/0000 2-2003R/0839                       | 01/06/77         | 0                     | 9962 2601N                         | 08702E       | 29.3 139.8   |                   |                     |                      |                         |                        |
| 2715-03474        | 00000/0000 2-2003R/0840                       | 01/06/77         | 0                     | 9962 2434N                         | 08639E       | 30.3 139.0   | FGGF              |                     |                      | 150                     | 42                     |
| 2715-03480        | 00000/0000 2-2003R/0841                       | 01/06/77         | 0                     | 9962 2308N                         | 08617E       | 31.2 138.2   | GGGG              |                     |                      | 150                     | 43                     |
| 2715-03483        | 00000/0000 2-2003R/0842                       | 01/06/77         | 0                     | 9962 2141N                         | 08555E       | 32.1 137.4   | FGGF              |                     |                      | 150                     | 44                     |
| 2715-03485        | 00000/0000 2-2003R/0843                       | 01/06/77         | 0                     | 9962 2015N                         | 08533E       | 33.0 136.6   | GGGG              |                     |                      | 150                     | 45                     |
| 2715-03492        | 00000/0000 2-2003R/0844                       | 01/06/77         | 0                     | 9962 1849N                         | 08511E       | 33.9 135.7   | GGGG              |                     |                      | 150                     | 46                     |
| 2715-03494        | 00000/0000 2-2003R/0845                       | 01/06/77         | 10                    | 9962 1723N                         | 08449E       | 34.7 134.8   | FGGF              |                     |                      | 150                     | 47                     |
| 2715-03501        | 00000/0000 2-2003R/0846                       | 01/06/77         | 10                    | 9962 1556N                         | 08428E       | 35.6 133.9   | GGGG              |                     |                      | 150                     | 48                     |
| 2715-03503        | 00000/0000 2-2003R/0847                       | 01/06/77         | 20                    | 9962 1429N                         | 08407E       | 36.4 133.0   | FGGF              |                     |                      | 150                     | 49                     |
| 2715-03510        | 00000/0000 2-2003R/0848                       | 01/06/77         | 60                    | 9962 1302N                         | 08347E       | 37.2 132.0   | GGGG              |                     |                      | 150                     | 50                     |
| 2715-05223        | 00000/0000 2-2003R/0849                       | 01/06/77         | 20                    | 9963 5309N                         | 07057E       | 10.0 152.2   | GGGG              |                     |                      | 150                     | 51                     |
| 2715-05230        | 00000/0000 2-2003R/0850                       | 01/06/77         | 30                    | 9963 5144N                         | 07014E       | 11.1 151.5   | F                 |                     |                      | 168                     | 23                     |
| 2715-05232        | 00000/0000 2-2003R/0851                       | 01/06/77         | 40                    | 9963 5019N                         | 06933E       | 12.2 150.9   | FFFF              |                     |                      | 168                     | 24                     |
| 2715-05235        | 00000/0000 2-2003R/0852                       | 01/06/77         | 20                    | 9963 4854N                         | 06854E       | 13.2 150.2   | FFGF              |                     |                      | 168                     | 25                     |
| 2715-05241        | 00000/0000 2-2003R/0853                       | 01/06/77         | 20                    | 9963 4729N                         | 06817E       | 14.3 149.6   | FFGF              |                     |                      | 168                     | 26                     |
| 2715-05244        | 00000/0000 2-2003R/0854                       | 01/06/77         | 60                    | 9963 4604N                         | 06741E       | 15.3 149.0   | GFFG              |                     |                      | 168                     | 27                     |
| 2715-05250        | 00000/0000 2-2003R/0855                       | 01/06/77         | 30                    | 9963 4438N                         | 06708E       | 16.4 148.4   | FGGF              |                     |                      | 168                     | 28                     |
| 2715-05253        | 00000/0000 2-2003R/0856                       | 01/06/77         | 80                    | 9963 4312N                         | 06635E       | 17.4 147.8   | GGGG              |                     |                      | 168                     | 29                     |
| 2715-05255        | 00000/0000 2-2003R/0857                       | 01/06/77         | 20                    | 9963 4147N                         | 06604E       | 18.5 147.2   | GGGG              |                     |                      | 168                     | 30                     |
| 2715-05262        | 00000/0000 2-2003R/0858                       | 01/06/77         | 10                    | 9963 4021N                         | 06534E       | 19.5 146.5   | GGGG              |                     |                      | 168                     | 31                     |
| 2715-05264        | 00000/0000 2-2003R/0859                       | 01/06/77         | 30                    | 9963 3856N                         | 06504E       | 20.5 145.9   | GGGG              |                     |                      | 168                     | 32                     |
| 2715-05271        | 00000/0000 2-2003R/0860                       | 01/06/77         | 40                    | 9963 3730N                         | 06436E       | 21.5 145.3   | GGGG              |                     |                      | 168                     | 33                     |
| 2715-05273        | 00000/0000 2-2003R/0861                       | 01/06/77         | 70                    | 9963 3604N                         | 06408E       | 22.5 144.6   | FGGG              |                     |                      | 168                     | 34                     |
| 2715-05280        | 00000/0000 2-2003R/0862                       | 01/06/77         | 10                    | 9963 3437N                         | 06341E       | 23.5 144.0   | GGGG              |                     |                      | 168                     | 35                     |
| 2715-05282        | 00000/0000 2-2003R/0863                       | 01/06/77         | 60                    | 9963 3311N                         | 06315E       | 24.5 143.3   | GGGG              |                     |                      | 168                     | 36                     |
| 2715-05285        | 00000/0000 2-2003R/0864                       | 01/06/77         | 90                    | 9963 3146N                         | 06249E       | 25.5 142.7   | GGGG              |                     |                      | 168                     | 37                     |
| 2715-05291        | 00000/0000 2-2003R/0865                       | 01/06/77         | 100                   | 9963 3020N                         | 06224E       | 26.5 142.0   | GGGG              |                     |                      | 168                     | 38                     |
| 2715-05294        | 00000/0000 2-2003R/0866                       | 01/06/77         | 90                    | 9963 2853N                         | 06200E       | 27.5 141.3   | GGGG              |                     |                      | 168                     | 39                     |
| 2715-05300        | 00000/0000 2-2003R/0867                       | 01/06/77         | 60                    | 9963 2727N                         | 06137E       | 28.4 140.5   | GGGG              |                     |                      | 168                     | 40                     |
| 2715-05303        | 00000/0000 2-2003R/0868                       | 01/06/77         | 50                    | 9963 2601N                         | 06113E       | 29.4 139.8   | GGGG              |                     |                      | 168                     | 41                     |
| 2715-05305        | 00000/0000 2-2003R/0743                       | 01/06/77         | 40                    | 9963 2435N                         | 06050E       | 30.3 139.0   | GGGG              |                     |                      | 168                     | 42                     |
| 2715-07070        | 00000/0000 2-2003R/0744                       | 01/06/77         | 90                    | 9964 4854N                         | 04305E       | 13.2 150.2   | FGGG              |                     |                      | 186                     | 43                     |
| 2715-07073        | 00000/0000 2-2003R/0745                       | 01/06/77         | 60                    | 9964 4730N                         | 04228E       | 14.3 149.6   | GGGG              |                     |                      | 186                     | 26                     |
| 2715-07075        | 00000/0000 2-2003R/0746                       | 01/06/77         | 10                    | 9964 4604N                         | 04153E       | 15.3 149.0   | GGGG              |                     |                      | 186                     | 27                     |
| 2715-07082        | 00000/0000 2-2003R/0746                       | 01/06/77         | 40                    | 9964 4438N                         | 04119E       | 16.4 148.4   | GGGG              |                     |                      | 186                     | 28                     |
| 2715-13585        | 00000/0000 2-2003R/0908                       | 01/06/77         | 20                    | 9968 5309N                         | 05810W       | 10.1 152.2   | GGGG              |                     |                      | 186                     | 29                     |
|                   |                                               |                  |                       |                                    |              |              |                   |                     |                      | 7                       | 23                     |

KEYS: CLOUD COVER 1 ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANK)=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SARBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|------------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2715-13592        | 00000/0000                           | 2-2003R/0909     | 01/06/77         | 10             | 9968             | 5144N                              | 05852W                              | 11.1         | 151.5        | GGGG                               |                     |                      | 7                       | 24                     |
| 2715-13594        | 00000/0000                           | 2-2003R/0910     | 01/06/77         | 20             | 9968             | 5070N                              | 05933W                              | 12.2         | 150.8        | GGGG                               |                     |                      | 7                       | 25                     |
| 2715-14001        | 00000/0000                           | 2-2003R/0911     | 01/06/77         | 60             | 9968             | 4855N                              | 06012W                              | 13.2         | 150.2        | GGGG                               |                     |                      | 7                       | 26                     |
| 2715-14003        | 00000/0000                           | 2-2003R/0912     | 01/06/77         | 60             | 9968             | 4729N                              | 06049W                              | 14.3         | 149.6        | GGGG                               |                     |                      | 7                       | 27                     |
| 2715-14010        | 00000/0000                           | 2-2003R/0913     | 01/06/77         | 30             | 9968             | 4604N                              | 06124W                              | 15.3         | 148.9        | GGGG                               |                     |                      | 7                       | 28                     |
| 2715-14012        | 00000/0000                           | 2-2003R/0914     | 01/06/77         | 20             | 9968             | 4439N                              | 06158W                              | 16.4         | 148.3        | GGGG                               |                     |                      | 7                       | 29                     |
| 2715-14015        | 00000/0000                           | 2-2003R/0915     | 01/06/77         | 70             | 9968             | 4313N                              | 06230W                              | 17.4         | 147.7        | GGGG                               |                     |                      | 7                       | 30                     |
| 2715-14021        | 00000/0000                           | 2-2003R/0916     | 01/06/77         | 80             | 9968             | 4148N                              | 06301W                              | 18.5         | 147.1        | GGGG                               |                     |                      | 7                       | 31                     |
| 2715-17255        | 00000/0000                           | 2-2003R/0727     | 01/06/77         | 100            | 9970             | 5145N                              | 11032W                              | 11.1         | 151.5        | GGGG                               |                     |                      | 43                      | 24                     |
| 2715-17261        | 00000/0000                           | 2-2003R/0728     | 01/06/77         | 90             | 9970             | 5070N                              | 11112W                              | 12.2         | 150.8        | GGGG                               |                     |                      | 43                      | 25                     |
| 2716-00212        | 00000/0000                           | 2-2003R/0747     | 01/07/77         | 50             | 9974             | 4315N                              | 14237E                              | 17.5         | 147.7        | GGGG                               |                     |                      | 115                     | 30                     |
| 2716-02050        | 00000/0000                           | 2-2003R/0748     | 01/07/77         | 7              | 9975             | 4148N                              | 11416E                              | 18.5         | 147.0        | GGGG                               |                     |                      | 133                     | 31                     |
| 2716-02053        | 00000/0000                           | 2-2003R/0749     | 01/07/77         | 0              | 9975             | 4023N                              | 11545E                              | 19.5         | 146.4        | GGGG                               |                     |                      | 133                     | 32                     |
| 2716-02055        | 00000/0000                           | 2-2003R/0750     | 01/07/77         | 0              | 9975             | 3857N                              | 11516E                              | 20.5         | 145.8        | GGGG                               |                     |                      | 133                     | 33                     |
| 2716-02062        | 00000/0000                           | 2-2003R/0751     | 01/07/77         | 7              | 9975             | 3731N                              | 11447E                              | 21.6         | 145.1        | GGGG                               |                     |                      | 133                     | 34                     |
| 2716-02064        | 00000/0000                           | 2-2003R/0752     | 01/07/77         | 10             | 9975             | 3605N                              | 11419E                              | 22.6         | 144.5        | GGGG                               |                     |                      | 133                     | 35                     |
| 2716-02071        | 00000/0000                           | 2-2003R/0753     | 01/07/77         | 90             | 9975             | 3440N                              | 11352E                              | 23.6         | 143.8        | GGGG                               |                     |                      | 133                     | 36                     |
| 2716-02073        | 00000/0000                           | 2-2003R/0754     | 01/07/77         | 90             | 9975             | 3313N                              | 11326E                              | 24.6         | 143.2        | GGGG                               |                     |                      | 133                     | 37                     |
| 2716-02080        | 00000/0000                           | 2-2003R/0755     | 01/07/77         | 100            | 9975             | 3147N                              | 11301E                              | 25.5         | 142.5        | GGGG                               |                     |                      | 133                     | 38                     |
| 2716-02082        | 00000/0000                           | 2-2003R/0756     | 01/07/77         | 90             | 9975             | 3021N                              | 11236E                              | 26.5         | 141.8        | GGGG                               |                     |                      | 133                     | 39                     |
| 2716-02085        | 00000/0000                           | 2-2003R/0757     | 01/07/77         | 80             | 9975             | 2854N                              | 11212E                              | 27.5         | 141.1        | GGGG                               |                     |                      | 133                     | 40                     |
| 2716-02091        | 00000/0000                           | 2-2003R/0758     | 01/07/77         | 70             | 9975             | 2728N                              | 11148E                              | 28.4         | 140.4        | GGGG                               |                     |                      | 133                     | 41                     |
| 2716-02094        | 00000/0000                           | 2-2003R/0759     | 01/07/77         | 90             | 9975             | 2602N                              | 11125E                              | 29.4         | 139.6        | GGGG                               |                     |                      | 133                     | 42                     |
| 2716-02100        | 00000/0000                           | 2-2003R/0760     | 01/07/77         | 90             | 9975             | 2437N                              | 11102E                              | 30.3         | 138.9        | GGGG                               |                     |                      | 133                     | 43                     |
| 2716-02103        | 00000/0000                           | 2-2003R/0761     | 01/07/77         | 100            | 9975             | 2310N                              | 11040E                              | 31.2         | 138.1        | GGGG                               |                     |                      | 133                     | 44                     |
| 2716-02105        | 00000/0000                           | 2-2003R/0762     | 01/07/77         | 100            | 9975             | 2142N                              | 11018E                              | 32.1         | 137.3        | GGGG                               |                     |                      | 133                     | 45                     |
| 2716-02112        | 00000/0000                           | 2-2003R/0763     | 01/07/77         | 100            | 9975             | 2016N                              | 10956E                              | 33.0         | 136.4        | GGGG                               |                     |                      | 133                     | 46                     |
| 2716-03470        | 00000/0000                           | 2-2003R/0917     | 01/07/77         | 70             | 9976             | 4604N                              | 09204E                              | 15.4         | 148.9        | FFGG                               |                     |                      | 151                     | 28                     |
| 2716-03473        | 00000/0000                           | 2-2003R/0918     | 01/07/77         | 90             | 9976             | 4439N                              | 09130E                              | 16.4         | 148.2        | FFGG                               |                     |                      | 151                     | 29                     |
| 2716-03475        | 00000/0000                           | 2-2003R/0919     | 01/07/77         | 90             | 9976             | 4313N                              | 09059E                              | 17.5         | 147.6        | FFGG                               |                     |                      | 151                     | 30                     |
| 2716-03482        | 00000/0000                           | 2-2003R/0920     | 01/07/77         | 80             | 9976             | 4148N                              | 09027E                              | 18.5         | 147.0        | FFGG                               |                     |                      | 151                     | 31                     |
| 2716-03484        | 00000/0000                           | 2-2003R/0921     | 01/07/77         | 90             | 9976             | 4022N                              | 08957E                              | 19.5         | 146.4        | FFGG                               |                     |                      | 151                     | 32                     |
| 2716-03491        | 00000/0000                           | 2-2003R/0922     | 01/07/77         | 90             | 9976             | 3856N                              | 08928E                              | 20.6         | 145.8        | FFGG                               |                     |                      | 151                     | 33                     |
| 2716-03493        | 00000/0000                           | 2-2003R/0923     | 01/07/77         | 20             | 9976             | 3730N                              | 08900E                              | 21.6         | 145.1        | GGGG                               |                     |                      | 151                     | 34                     |
| 2716-03500        | 00000/0000                           | 2-2003R/0924     | 01/07/77         | 10             | 9976             | 3604N                              | 08832E                              | 22.6         | 144.5        | GGGG                               |                     |                      | 151                     | 35                     |
| 2716-03502        | 00000/0000                           | 2-2003R/0925     | 01/07/77         | 10             | 9976             | 3438N                              | 08805E                              | 23.6         | 143.8        | GGGG                               |                     |                      | 151                     | 36                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | MSS<br>QUAL<br>123 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|--------------------|---------------------|----------------------|-------------------------|------------------------|
| 2716-03505        | 00000/0000                   | 2-2003R/0926                | 01/07/77         | 10             | 9976            | 3312N                              | 08739E                              | 24.6         | 143.2        | GGGG              |                    |                     |                      | 151                     | 37                     |
| 2716-03511        | 00000/0000                   | 2-2003R/0927                | 01/07/77         | 10             | 9976            | 3146N                              | 08713E                              | 25.6         | 142.5        | GGGG              |                    |                     |                      | 151                     | 38                     |
| 2716-03514        | 00000/0000                   | 2-2003R/0928                | 01/07/77         | 10             | 9976            | 3020N                              | 08643E                              | 26.5         | 141.8        | GGGG              |                    |                     |                      | 151                     | 39                     |
| 2716-03520        | 00000/0000                   | 2-2003R/0929                | 01/07/77         | 0              | 9976            | 2853N                              | 08623E                              | 27.5         | 141.1        | GGGG              |                    |                     |                      | 151                     | 40                     |
| 2716-03523        | 00000/0000                   | 2-2003R/0930                | 01/07/77         | 10             | 9976            | 2727N                              | 08559E                              | 28.4         | 140.4        | GGGG              |                    |                     |                      | 151                     | 41                     |
| 2716-03525        | 00000/0000                   | 2-2003R/0931                | 01/07/77         | 0              | 9976            | 2601N                              | 08536E                              | 29.4         | 139.6        | FFFF              |                    |                     |                      | 151                     | 42                     |
| 2716-03532        | 00000/0000                   | 2-2003R/0932                | 01/07/77         | 0              | 9976            | 2435N                              | 08513E                              | 30.3         | 138.8        | GGGG              |                    |                     |                      | 151                     | 43                     |
| 2716-03534        | 00000/0000                   | 2-2003R/0933                | 01/07/77         | 0              | 9976            | 2308N                              | 08450E                              | 31.2         | 138.0        | GGGG              |                    |                     |                      | 151                     | 44                     |
| 2716-03541        | 00000/0000                   | 2-2003R/0934                | 01/07/77         | 0              | 9976            | 2142N                              | 08428E                              | 32.1         | 137.2        | GGGG              |                    |                     |                      | 151                     | 45                     |
| 2716-03543        | 00000/0000                   | 2-2003R/0935                | 01/07/77         | 0              | 9976            | 2014N                              | 08406E                              | 33.0         | 136.4        | GGGG              |                    |                     |                      | 151                     | 46                     |
| 2716-03550        | 00000/0000                   | 2-2003R/0936                | 01/07/77         | 10             | 9976            | 1848N                              | 08345E                              | 33.9         | 135.5        | GGGG              |                    |                     |                      | 151                     | 47                     |
| 2716-03552        | 00000/0000                   | 2-2003R/0937                | 01/07/77         | 10             | 9976            | 1722N                              | 08324E                              | 34.7         | 134.6        | GGGG              |                    |                     |                      | 151                     | 48                     |
| 2716-03555        | 00000/0000                   | 2-2003R/0938                | 01/07/77         | 20             | 9976            | 1555N                              | 08303E                              | 35.6         | 133.7        | GGGG              |                    |                     |                      | 151                     | 49                     |
| 2716-03561        | 00000/0000                   | 2-2003R/0939                | 01/07/77         | 50             | 9976            | 1428N                              | 08242E                              | 36.4         | 132.8        | GGGG              |                    |                     |                      | 151                     | 50                     |
| 2716-03564        | 00000/0000                   | 2-2003R/0940                | 01/07/77         | 50             | 9976            | 1302N                              | 08221E                              | 37.2         | 131.8        | GGGG              |                    |                     |                      | 151                     | 51                     |
| 2716-05281        | 00000/0000                   | 2-2003R/0941                | 01/07/77         | 80             | 9977            | 5308N                              | 06931E                              | 10.1         | 152.1        | FFFF              |                    |                     |                      | 169                     | 23                     |
| 2716-05284        | 00000/0000                   | 2-2003R/0942                | 01/07/77         | 40             | 9977            | 5144N                              | 06848E                              | 11.2         | 151.4        | FFFF              |                    |                     |                      | 169                     | 24                     |
| 2716-05290        | 00000/0000                   | 2-2003R/0943                | 01/07/77         | 30             | 9977            | 5019N                              | 06807E                              | 12.2         | 150.7        | GGGG              |                    |                     |                      | 169                     | 25                     |
| 2716-05293        | 00000/0000                   | 2-2003R/0944                | 01/07/77         | 20             | 9977            | 4854N                              | 06728E                              | 13.3         | 150.1        | FFFF              |                    |                     |                      | 169                     | 26                     |
| 2716-05295        | 00000/0000                   | 2-2003R/0945                | 01/07/77         | 60             | 9977            | 4729N                              | 06650E                              | 14.4         | 149.5        | GGGG              |                    |                     |                      | 169                     | 27                     |
| 2716-05302        | 00000/0000                   | 2-2003R/0946                | 01/07/77         | 10             | 9977            | 4604N                              | 06615E                              | 15.4         | 148.8        | GGGG              |                    |                     |                      | 169                     | 28                     |
| 2716-05304        | 00000/0000                   | 2-2003R/0947                | 01/07/77         | 0              | 9977            | 4479N                              | 06541E                              | 16.4         | 148.2        | GGGG              |                    |                     |                      | 169                     | 29                     |
| 2716-05311        | 00000/0000                   | 2-2003R/0948                | 01/07/77         | 0              | 9977            | 4313N                              | 06509E                              | 17.5         | 147.6        | GGGG              |                    |                     |                      | 169                     | 30                     |
| 2716-05313        | 00000/0000                   | 2-2003R/0949                | 01/07/77         | 30             | 9977            | 4148N                              | 06437E                              | 18.5         | 147.0        | PFFF              |                    |                     |                      | 169                     | 31                     |
| 2716-05320        | 00000/0000                   | 2-2003R/0950                | 01/07/77         | 60             | 9977            | 4022N                              | 06407E                              | 19.5         | 146.4        | FFFF              |                    |                     |                      | 169                     | 32                     |
| 2716-05322        | 00000/0000                   | 2-2003R/0951                | 01/07/77         | 90             | 9977            | 3856N                              | 06338E                              | 20.6         | 145.7        | GGGG              |                    |                     |                      | 169                     | 33                     |
| 2716-05325        | 00000/0000                   | 2-2003R/0952                | 01/07/77         | 90             | 9977            | 3730N                              | 06310E                              | 21.6         | 145.1        | GGGG              |                    |                     |                      | 169                     | 34                     |
| 2716-05331        | 00000/0000                   | 2-2003R/0953                | 01/07/77         | 90             | 9977            | 3604N                              | 06242E                              | 22.6         | 144.5        | GGGG              |                    |                     |                      | 169                     | 35                     |
| 2716-05334        | 00000/0000                   | 2-2003R/0954                | 01/07/77         | 90             | 9977            | 3438N                              | 06216E                              | 23.6         | 143.8        | FFFF              |                    |                     |                      | 169                     | 36                     |
| 2716-05340        | 00000/0000                   | 2-2003R/0955                | 01/07/77         | 90             | 9977            | 3312N                              | 06150E                              | 24.6         | 143.2        | FFFF              |                    |                     |                      | 169                     | 37                     |
| 2716-05343        | 00000/0000                   | 2-2003R/0956                | 01/07/77         | 100            | 9977            | 3145N                              | 06124E                              | 25.6         | 142.5        | GGGG              |                    |                     |                      | 169                     | 38                     |
| 2716-05352        | 00000/0000                   | 2-2003R/0957                | 01/07/77         | 60             | 9977            | 2853N                              | 06035E                              | 27.5         | 141.1        | PFFF              |                    |                     |                      | 169                     | 40                     |
| 2716-05354        | 00000/0000                   | 2-2003R/0958                | 01/07/77         | 30             | 9977            | 2727N                              | 06011E                              | 28.4         | 140.3        | FFFF              |                    |                     |                      | 169                     | 41                     |
| 2716-05361        | 00000/0000                   | 2-2003R/0959                | 01/07/77         | 30             | 9977            | 2601N                              | 05948E                              | 29.4         | 139.6        | FFFF              |                    |                     |                      | 169                     | 42                     |
| 2716-05363        | 00000/0000                   | 2-2003R/0960                | 01/07/77         | 20             | 9977            | 2435N                              | 05925E                              | 30.3         | 138.8        | PFFF              |                    |                     |                      | 169                     | 43                     |
| 2716-07113        | 00000/0000                   | 2-2003R/1006                | 01/07/77         | 20             | 9978            | 5308N                              | 04342E                              | 10.1         | 152.0        | GGG               |                    |                     |                      | 187                     | 23                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2716-07120        | 00000/0000 2-20038/1007                        | 01/07/77         | 30                    | 9978                               | 5144N                               | 04259E       | 11.2         | 151.4             | GGF         |                     |                      | 187                     | 24                     |
| 2716-07122        | 00000/0000 2-20038/1008                        | 01/07/77         | 20                    | 9978                               | 5019N                               | 04218E       | 12.3         | 150.7             | FGGG        |                     |                      | 187                     | 25                     |
| 2716-07125        | 00000/0000 2-20038/1009                        | 01/07/77         | 10                    | 9978                               | 4854N                               | 04139E       | 13.3         | 150.1             | FGGF        |                     |                      | 187                     | 26                     |
| 2716-07131        | 00000/0000 2-20038/1010                        | 01/07/77         | 80                    | 9978                               | 4759N                               | 04102E       | 14.4         | 149.5             | FFFF        |                     |                      | 187                     | 27                     |
| 2716-07134        | 00000/0000 2-20038/1011                        | 01/07/77         | 30                    | 9978                               | 4604N                               | 04027E       | 15.4         | 148.8             | FGGG        |                     |                      | 187                     | 28                     |
| 2716-07140        | 00000/0000 2-20038/1012                        | 01/07/77         | 20                    | 9978                               | 4449N                               | 03954E       | 16.5         | 148.2             | GGG         |                     |                      | 187                     | 29                     |
| 2716-14043        | 00000/0000 2-20038/1094                        | 01/07/77         | 10                    | 9982                               | 5359N                               | 05936W       | 10.1         | 152.0             | FFGG        |                     |                      | 8                       | 23                     |
| 2716-14050        | 00000/0000 2-20038/1095                        | 01/07/77         | 10                    | 9982                               | 5144N                               | 06019W       | 11.2         | 151.3             | GGGG        |                     |                      | 8                       | 24                     |
| 2716-14052        | 00000/0000 2-20038/1096                        | 01/07/77         | 10                    | 9982                               | 5070N                               | 06100W       | 12.3         | 150.7             | GGGG        |                     |                      | 8                       | 25                     |
| 2716-14055        | 00000/0000 2-20038/1097                        | 01/07/77         | 80                    | 9982                               | 4855N                               | 06139W       | 13.3         | 150.0             | GGGG        |                     |                      | 8                       | 26                     |
| 2716-14061        | 00000/0000 2-20038/1098                        | 01/07/77         | 80                    | 9982                               | 4730N                               | 06216W       | 14.4         | 149.4             | GGGG        |                     |                      | 8                       | 27                     |
| 2716-14064        | 00000/0000 2-20038/1099                        | 01/07/77         | 70                    | 9982                               | 4605N                               | 06251W       | 15.4         | 148.8             | GGGG        |                     |                      | 8                       | 28                     |
| 2716-14070        | 00000/0000 2-20038/1100                        | 01/07/77         | 90                    | 9982                               | 4449N                               | 06324W       | 16.5         | 148.2             | GGGG        |                     |                      | 8                       | 29                     |
| 2716-14073        | 00000/0000 2-20038/1101                        | 01/07/77         | 100                   | 9982                               | 4314N                               | 06356W       | 17.5         | 147.6             | GGFG        |                     |                      | 8                       | 30                     |
| 2716-14075        | 00000/0000 2-20038/1102                        | 01/07/77         | 90                    | 9982                               | 4149N                               | 06427W       | 18.5         | 146.9             | GGFG        |                     |                      | 8                       | 31                     |
| 2716-14170        | 00000/0000 2-20038/1013                        | 01/07/77         | 10                    | 9982                               | 1078N                               | 07313W       | 38.7         | 129.7             | GGGG        |                     |                      | 8                       | 53                     |
| 2716-14173        | 00000/0000 2-20038/1014                        | 01/07/77         | 20                    | 9982                               | 0841N                               | 07333W       | 39.4         | 128.6             | GGGG        |                     |                      | 8                       | 54                     |
| 2716-14175        | 00000/0000 2-20038/1015                        | 01/07/77         | 20                    | 9982                               | 0714N                               | 07353W       | 40.2         | 127.5             | GGGG        |                     |                      | 8                       | 55                     |
| 2716-14182        | 00000/0000 2-20038/1016                        | 01/07/77         | 30                    | 9982                               | 0548N                               | 07413W       | 40.8         | 126.4             | GGGG        |                     |                      | 8                       | 56                     |
| 2716-14184        | 00000/0000 2-20038/1017                        | 01/07/77         | 20                    | 9982                               | 0422N                               | 07433W       | 41.5         | 125.2             | GGGG        |                     |                      | 8                       | 57                     |
| 2716-14191        | 00000/0000 2-20038/1018                        | 01/07/77         | 40                    | 9982                               | 0255N                               | 07453W       | 42.1         | 124.0             | GGGG        |                     |                      | 8                       | 58                     |
| 2716-14193        | 00000/0000 2-20038/1019                        | 01/07/77         | 50                    | 9982                               | 0128N                               | 07513W       | 42.7         | 122.8             | GGGG        |                     |                      | 8                       | 59                     |
| 2717-02104        | 00000/0000 2-20038/1020                        | 01/08/77         | 100                   | 9989                               | 4149N                               | 11450E       | 18.6         | 146.9             | GGFF        |                     |                      | 134                     | 31                     |
| 2717-02111        | 00000/0000 2-20038/1021                        | 01/08/77         | 90                    | 9989                               | 4023N                               | 11420E       | 19.6         | 146.2             | GGGG        |                     |                      | 134                     | 32                     |
| 2717-02113        | 00000/0000 2-20038/1022                        | 01/08/77         | 100                   | 9989                               | 3857N                               | 11351E       | 20.6         | 145.6             | GGGG        |                     |                      | 134                     | 33                     |
| 2717-02120        | 00000/0000 2-20038/1023                        | 01/08/77         | 100                   | 9989                               | 3731N                               | 11323E       | 21.6         | 145.0             | GGGG        |                     |                      | 134                     | 34                     |
| 2717-02122        | 00000/0000 2-20038/1024                        | 01/08/77         | 90                    | 9989                               | 3675N                               | 11255E       | 22.6         | 144.3             | GGGF        |                     |                      | 134                     | 35                     |
| 2717-02125        | 00000/0000 2-20038/1025                        | 01/08/77         | 90                    | 9989                               | 3439N                               | 11228E       | 23.6         | 143.7             | GGGG        |                     |                      | 134                     | 36                     |
| 2717-02131        | 00000/0000 2-20038/1026                        | 01/08/77         | 70                    | 9989                               | 3313N                               | 11202E       | 24.6         | 143.0             | GGGG        |                     |                      | 134                     | 37                     |
| 2717-02134        | 00000/0000 2-20038/1027                        | 01/08/77         | 30                    | 9989                               | 3147N                               | 11137E       | 25.6         | 142.3             | GGGG        |                     |                      | 134                     | 38                     |
| 2717-02140        | 00000/0000 2-20038/1028                        | 01/08/77         | 10                    | 9989                               | 3021N                               | 11112E       | 26.6         | 141.6             | FGGF        |                     |                      | 134                     | 39                     |
| 2717-02143        | 00000/0000 2-20038/1029                        | 01/08/77         | 0                     | 9989                               | 2855N                               | 11047E       | 27.5         | 140.9             | GGGG        |                     |                      | 134                     | 40                     |
| 2717-02145        | 00000/0000 2-20038/1030                        | 01/08/77         | 10                    | 9989                               | 2729N                               | 11023E       | 28.5         | 140.2             | GGGG        |                     |                      | 134                     | 41                     |
| 2717-02152        | 00000/0000 2-20038/1031                        | 01/08/77         | 30                    | 9989                               | 2602N                               | 11000E       | 29.4         | 139.4             | GGGG        |                     |                      | 134                     | 42                     |
| 2717-02154        | 00000/0000 2-20038/1032                        | 01/08/77         | 70                    | 9989                               | 2435N                               | 10936E       | 30.3         | 138.7             | GGGG        |                     |                      | 134                     | 43                     |
| 2717-02161        | 00000/0000 2-20038/1033                        | 01/08/77         | 100                   | 9989                               | 2310N                               | 10913E       | 31.2         | 137.9             | GGGG        |                     |                      | 134                     | 44                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2717-02163        | 00000/0000                                     | 2-2003R/1034     | 01/08/77       | 100             | 9989                               | 2144N                               | 10851E       | 32.1         | 137.1             | GGFG                |                      | 134                     | 45                     |
| 2717-03513        | 00000/0000                                     | 2-2003R/1036     | 01/08/77       | 10              | 9990                               | 5020N                               | 09231E       | 12.3         | 150.6             | GGGF                |                      | 152                     | 25                     |
| 2717-03520        | 00000/0000                                     | 2-2003R/1037     | 01/08/77       | 10              | 9990                               | 4854N                               | 09152E       | 13.4         | 150.0             | FGGF                |                      | 152                     | 26                     |
| 2717-03522        | 00000/0000                                     | 2-2003R/1038     | 01/08/77       | 10              | 9990                               | 4730N                               | 09115E       | 14.4         | 149.3             | GGGG                |                      | 152                     | 27                     |
| 2717-03525        | 00000/0000                                     | 2-2003R/1039     | 01/08/77       | 7               | 9990                               | 4604N                               | 09040E       | 15.5         | 148.7             | GGGG                |                      | 152                     | 28                     |
| 2717-03531        | 00000/0000                                     | 2-2003R/1040     | 01/08/77       | 0               | 9990                               | 4449N                               | 09006E       | 16.5         | 148.1             | FGGG                |                      | 152                     | 29                     |
| 2717-03534        | 00000/0000                                     | 2-2003R/1041     | 01/08/77       | 10              | 9990                               | 4313N                               | 08932E       | 17.5         | 147.5             | GGGG                |                      | 152                     | 30                     |
| 2717-03540        | 00000/0000                                     | 2-2003R/1042     | 01/08/77       | 10              | 9990                               | 4148N                               | 08900E       | 18.6         | 146.8             | GGGG                |                      | 152                     | 31                     |
| 2717-03543        | 00000/0000                                     | 2-2003R/1043     | 01/08/77       | 10              | 9990                               | 4022N                               | 08830E       | 19.6         | 146.2             | FGGG                |                      | 152                     | 32                     |
| 2717-03545        | 00000/0000                                     | 2-2003R/1044     | 01/08/77       | 0               | 9990                               | 3856N                               | 08800E       | 20.6         | 145.6             | FGFG                |                      | 152                     | 33                     |
| 2717-03552        | 00000/0000                                     | 2-2003R/1045     | 01/08/77       | 40              | 9990                               | 3731N                               | 08732E       | 21.6         | 145.0             | GGFF                |                      | 152                     | 34                     |
| 2717-03554        | 00000/0000                                     | 2-2003R/1046     | 01/08/77       | 60              | 9990                               | 3605N                               | 08705E       | 22.6         | 144.3             | FGGG                |                      | 152                     | 35                     |
| 2717-03561        | 00000/0000                                     | 2-2003R/1047     | 01/08/77       | 20              | 9990                               | 3439N                               | 08638E       | 23.6         | 143.7             | GGGG                |                      | 152                     | 36                     |
| 2717-03563        | 00000/0000                                     | 2-2003R/1048     | 01/08/77       | 10              | 9990                               | 3313N                               | 08612E       | 24.6         | 143.0             | FGGG                |                      | 152                     | 37                     |
| 2717-03570        | 00000/0000                                     | 2-2003R/1049     | 01/08/77       | 0               | 9990                               | 3146N                               | 08546E       | 25.6         | 142.3             | GGGG                |                      | 152                     | 38                     |
| 2717-03572        | 00000/0000                                     | 2-2003R/1050     | 01/08/77       | 0               | 9990                               | 3020N                               | 08521E       | 26.6         | 141.6             | GGGG                |                      | 152                     | 39                     |
| 2717-03575        | 00000/0000                                     | 2-2003R/1051     | 01/08/77       | 0               | 9990                               | 2854N                               | 08457E       | 27.5         | 140.9             | GGGG                |                      | 152                     | 40                     |
| 2717-03581        | 00000/0000                                     | 2-2003R/1052     | 01/08/77       | 20              | 9990                               | 2727N                               | 08433E       | 28.5         | 140.2             | GGGG                |                      | 152                     | 41                     |
| 2717-03584        | 00000/0000                                     | 2-2003R/1053     | 01/08/77       | 10              | 9990                               | 2601N                               | 08410E       | 29.4         | 139.4             | GGFG                |                      | 152                     | 42                     |
| 2717-03590        | 00000/0000                                     | 2-2003R/1054     | 01/08/77       | 0               | 9990                               | 2435N                               | 08346E       | 30.3         | 138.6             | GGFG                |                      | 152                     | 43                     |
| 2717-03593        | 00000/0000                                     | 2-2003R/1055     | 01/08/77       | 0               | 9990                               | 2308N                               | 08324E       | 31.2         | 137.9             | FGGG                |                      | 152                     | 44                     |
| 2717-03595        | 00000/0000                                     | 2-2003R/1056     | 01/08/77       | 0               | 9990                               | 2141N                               | 08302E       | 32.1         | 137.0             | FGGG                |                      | 152                     | 45                     |
| 2717-04002        | 00000/0000                                     | 2-2003R/1057     | 01/08/77       | 0               | 9990                               | 2014N                               | 08240E       | 33.0         | 136.2             | GGGG                |                      | 152                     | 46                     |
| 2717-04004        | 00000/0000                                     | 2-2003R/1058     | 01/08/77       | 10              | 9990                               | 1848N                               | 08218E       | 33.9         | 135.3             | GGGG                |                      | 152                     | 47                     |
| 2717-04011        | 00000/0000                                     | 2-2003R/1059     | 01/08/77       | 0               | 9990                               | 1722N                               | 08157E       | 34.7         | 134.4             | FGGG                |                      | 152                     | 48                     |
| 2717-04013        | 00000/0000                                     | 2-2003R/1060     | 01/08/77       | 10              | 9990                               | 1555N                               | 08136E       | 35.6         | 133.5             | GFGG                |                      | 152                     | 49                     |
| 2717-04020        | 00000/0000                                     | 2-2003R/1061     | 01/08/77       | 20              | 9990                               | 1427N                               | 08115E       | 36.4         | 132.6             | FGFG                |                      | 152                     | 50                     |
| 2717-04022        | 00000/0000                                     | 2-2003R/1062     | 01/08/77       | 30              | 9990                               | 1300N                               | 08055E       | 37.2         | 131.6             | GGGG                |                      | 152                     | 51                     |
| 2717-05340        | 00000/0000                                     | 2-2003R/1063     | 01/08/77       | 10              | 9991                               | 5309N                               | 06804E       | 10.2         | 151.9             | PPFP                |                      | 170                     | 23                     |
| 2717-05345        | 00000/0000                                     | 2-2003R/1064     | 01/08/77       | 0               | 9991                               | 5019N                               | 06641E       | 12.3         | 150.6             | PPPP                |                      | 170                     | 25                     |
| 2717-05351        | 00000/0000                                     | 2-2003R/1065     | 01/08/77       | 0               | 9991                               | 4854N                               | 06602E       | 13.4         | 149.9             | FGGF                |                      | 170                     | 26                     |
| 2717-05354        | 00000/0000                                     | 2-2003R/1066     | 01/08/77       | 0               | 9991                               | 4728N                               | 06525E       | 14.4         | 149.3             | GGGG                |                      | 170                     | 27                     |
| 2717-05360        | 00000/0000                                     | 2-2003R/1067     | 01/08/77       | 0               | 9991                               | 4603N                               | 06449E       | 15.5         | 148.7             | FFFP                |                      | 170                     | 28                     |
| 2717-05363        | 00000/0000                                     | 2-2003R/1068     | 01/08/77       | 20              | 9991                               | 4438N                               | 06415E       | 16.5         | 148.1             | FGGG                |                      | 170                     | 29                     |
| 2717-05365        | 00000/0000                                     | 2-2003R/1069     | 01/08/77       | 30              | 9991                               | 4313N                               | 06342E       | 17.6         | 147.4             | FFFF                |                      | 170                     | 30                     |
| 2717-05372        | 00000/0000                                     | 2-2003R/1070     | 01/08/77       | 80              | 9991                               | 4147N                               | 06311E       | 18.6         | 146.8             | GGGG                |                      | 170                     | 31                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RBN<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2717-05374        | 00000/0000                   | 2-2003A/1071                | 01/08/77         | 90             | 9991            | 4022N                        | 06241E        | 19.6         | 146.2        | GGGF                               |                     |                      | 170                     | 32                     |
| 2717-05381        | 00000/0000                   | 2-2003A/1072                | 01/08/77         | 90             | 9991            | 3856N                        | 06211E        | 20.6         | 145.6        | GGGG                               |                     |                      | 170                     | 33                     |
| 2717-05383        | 00000/0000                   | 2-2003A/1073                | 01/08/77         | 90             | 9991            | 3730N                        | 06143E        | 21.6         | 144.9        | GGGG                               |                     |                      | 170                     | 34                     |
| 2717-05390        | 00000/0000                   | 2-2003A/1074                | 01/08/77         | 90             | 9991            | 3604N                        | 06115E        | 22.6         | 144.3        | GGGG                               |                     |                      | 170                     | 35                     |
| 2717-05392        | 00000/0000                   | 2-2003A/1075                | 01/08/77         | 80             | 9991            | 3438N                        | 06039E        | 23.6         | 143.6        | GGGG                               |                     |                      | 170                     | 36                     |
| 2717-05395        | 00000/0000                   | 2-2003A/1076                | 01/08/77         | 30             | 9991            | 3312N                        | 06023E        | 24.6         | 143.0        | GGGG                               |                     |                      | 170                     | 37                     |
| 2717-05401        | 00000/0000                   | 2-2003A/1077                | 01/08/77         | 70             | 9991            | 3146N                        | 05958E        | 25.6         | 142.3        | GGGG                               |                     |                      | 170                     | 38                     |
| 2717-05404        | 00000/0000                   | 2-2003A/1078                | 01/08/77         | 30             | 9991            | 3020N                        | 05933E        | 26.6         | 141.6        | GGGG                               |                     |                      | 170                     | 39                     |
| 2717-05410        | 00000/0000                   | 2-2003A/1079                | 01/08/77         | 60             | 9991            | 2854N                        | 05909E        | 27.5         | 140.9        | FGGF                               |                     |                      | 170                     | 40                     |
| 2717-05413        | 00000/0000                   | 2-2003A/1080                | 01/08/77         | 90             | 9991            | 2727N                        | 05845E        | 28.5         | 140.2        | GGGG                               |                     |                      | 170                     | 41                     |
| 2717-05415        | 00000/0000                   | 2-2003A/1081                | 01/08/77         | 80             | 9991            | 2601N                        | 05821E        | 29.4         | 139.4        | GGGG                               |                     |                      | 170                     | 42                     |
| 2717-07180        | 00000/0000                   | 2-2003A/1231                | 01/08/77         | 10             | 9992            | 5019N                        | 04052E        | 12.3         | 150.6        | GGGG                               |                     |                      | 188                     | 25                     |
| 2717-07183        | 00000/0000                   | 2-2003A/1232                | 01/08/77         | 30             | 9992            | 4854N                        | 04014E        | 13.4         | 149.9        | GGGG                               |                     |                      | 188                     | 26                     |
| 2717-07185        | 00000/0000                   | 2-2003A/1233                | 01/08/77         | 20             | 9992            | 4730N                        | 03937E        | 14.4         | 149.3        | GGGG                               |                     |                      | 188                     | 27                     |
| 2717-07192        | 00000/0000                   | 2-2003A/1234                | 01/08/77         | 30             | 9992            | 4604N                        | 03902E        | 15.5         | 148.7        | GGG                                |                     |                      | 188                     | 28                     |
| 2717-07194        | 00000/0000                   | 2-2003A/1235                | 01/08/77         | 60             | 9992            | 4439N                        | 03828E        | 16.5         | 148.1        | GGGG                               |                     |                      | 188                     | 29                     |
| 2717-14122        | 00000/0000                   | 2-2003A/1082                | 01/08/77         | 90             | 9996            | 4605N                        | 06416W        | 15.5         | 148.6        | GGG                                |                     |                      | 9                       | 28                     |
| 2717-14125        | 00000/0000                   | 2-2003A/1083                | 01/08/77         | 90             | 9996            | 4439N                        | 06449W        | 16.5         | 148.0        | GGGG                               |                     |                      | 9                       | 29                     |
| 2717-14131        | 00000/0000                   | 2-2003A/1084                | 01/08/77         | 90             | 9996            | 4314N                        | 06522W        | 17.6         | 147.4        | GGG                                |                     |                      | 9                       | 30                     |
| 2717-14134        | 00000/0000                   | 2-2003A/1087                | 01/08/77         | 90             | 9996            | 4148N                        | 06553W        | 18.6         | 146.8        | GG                                 |                     |                      | 9                       | 31                     |
| 2717-14140        | 00000/0000                   | 2-2003A/1085                | 01/08/77         | 90             | 9996            | 4023N                        | 06623W        | 19.6         | 146.1        | GGGG                               |                     | H                    | 9                       | 32                     |
| 2717-14143        | 00000/0000                   | 2-2003A/1086                | 01/08/77         | 90             | 9996            | 3857N                        | 06652W        | 20.6         | 145.5        | GGGG                               |                     | H                    | 9                       | 33                     |
| 2717-17374        | 00000/0000                   | 2-2003A/1035                | 01/08/77         | 60             | 9998            | 5019N                        | 11403W        | 12.4         | 150.5        | GGGG                               |                     |                      | 135                     | 25                     |
| 2718-02163        | 00000/0000                   | 2-2003A/1236                | 01/09/77         | 70             | 3               | 4148N                        | 11323E        | 18.6         | 146.7        | GGG                                |                     |                      | 135                     | 31                     |
| 2718-02165        | 00000/0000                   | 2-2003A/1237                | 01/09/77         | 40             | 3               | 4023N                        | 11253E        | 19.7         | 146.1        | FGGG                               |                     |                      | 135                     | 32                     |
| 2718-02172        | 00000/0000                   | 2-2003A/1238                | 01/09/77         | 30             | 3               | 3857N                        | 11224E        | 20.7         | 145.4        | GGGG                               |                     |                      | 135                     | 33                     |
| 2718-02174        | 00000/0000                   | 2-2003A/1239                | 01/09/77         | 20             | 3               | 3731N                        | 11155E        | 21.7         | 144.8        | GGGG                               |                     |                      | 135                     | 34                     |
| 2718-02181        | 00000/0000                   | 2-2003A/1240                | 01/09/77         | 0              | 3               | 3605N                        | 11127E        | 22.7         | 144.2        | GGGG                               |                     |                      | 135                     | 35                     |
| 2718-02183        | 00000/0000                   | 2-2003A/1241                | 01/09/77         | 50             | 3               | 3439N                        | 11101E        | 23.7         | 143.5        | GGGG                               |                     |                      | 135                     | 36                     |
| 2718-02190        | 00000/0000                   | 2-2003A/1242                | 01/09/77         | 80             | 3               | 3313N                        | 11034E        | 24.7         | 142.8        | FGGG                               |                     |                      | 135                     | 37                     |
| 2718-02204        | 00000/0000                   | 2-2003A/1243                | 01/09/77         | 90             | 3               | 2728N                        | 10855E        | 28.5         | 140.0        | GGGG                               |                     |                      | 135                     | 41                     |
| 2718-02210        | 00000/0000                   | 2-2003A/1244                | 01/09/77         | 90             | 3               | 2602N                        | 10832E        | 29.4         | 139.2        | FGGG                               |                     |                      | 135                     | 42                     |
| 2718-02213        | 00000/0000                   | 2-2003A/1230                | 01/09/77         | 90             | 3               | 2435N                        | 10809E        | 30.4         | 138.5        | GGG                                |                     |                      | 135                     | 43                     |
| 2718-02215        | 00000/0000                   | 2-2003A/1245                | 01/09/77         | 90             | 3               | 2308N                        | 10747E        | 31.3         | 137.7        | GGGG                               |                     |                      | 135                     | 44                     |
| 2718-03574        | 00000/0000                   | 2-2003A/0870                | 01/09/77         | 10             | 4               | 4855N                        | 09027E        | 13.5         | 149.8        | FGGG                               |                     |                      | 153                     | 26                     |
| 2718-03580        | 00000/0000                   | 2-2003A/0871                | 01/09/77         | 10             | 4               | 4730N                        | 08950E        | 14.5         | 149.2        | FGGG                               |                     |                      | 153                     | 27                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=GAN, NOT AVAIL, ABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>POINT<br>OF IMAGE<br>LAT | PRINCIPAL<br>POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|---------------------------------------|----------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2718-03583        | 00000/0000                   | 2-2003R/0872                | 01/09/77         | 10             | 4                      | 4605N                                 | 08915E                                 | 15.6         | 148.5        | GGGG                  |                     |                      | 153                     | 28                     |
| 2718-03585        | 00000/0000                   | 2-2003R/0873                | 01/09/77         | 10             | 4                      | 4439N                                 | 08840E                                 | 16.6         | 147.9        | FGGG                  |                     |                      | 153                     | 29                     |
| 2718-03592        | 00000/0000                   | 2-2003R/0874                | 01/09/77         | 20             | 4                      | 4314N                                 | 08807E                                 | 17.6         | 147.3        | GGGG                  |                     |                      | 153                     | 30                     |
| 2718-03594        | 00000/0000                   | 2-2003R/0875                | 01/09/77         | 10             | 4                      | 4148N                                 | 08735E                                 | 18.7         | 146.7        | GGGG                  |                     |                      | 153                     | 31                     |
| 2718-04001        | 00000/0000                   | 2-2003R/0876                | 01/09/77         | 0              | 4                      | 4023N                                 | 08705E                                 | 19.7         | 146.0        | GGGG                  |                     |                      | 153                     | 32                     |
| 2718-04003        | 00000/0000                   | 2-2003R/0877                | 01/09/77         | 30             | 4                      | 3856N                                 | 08635E                                 | 20.7         | 145.4        | FGGG                  |                     |                      | 153                     | 33                     |
| 2718-04010        | 00000/0000                   | 2-2003R/0878                | 01/09/77         | 80             | 4                      | 3731N                                 | 08607E                                 | 21.7         | 144.8        | GGGG                  |                     |                      | 153                     | 34                     |
| 2718-04012        | 00000/0000                   | 2-2003R/0879                | 01/09/77         | 70             | 4                      | 3605N                                 | 08539E                                 | 22.7         | 144.1        | GGFG                  |                     |                      | 153                     | 35                     |
| 2718-04015        | 00000/0000                   | 2-2003R/0880                | 01/09/77         | 10             | 4                      | 3438N                                 | 08512E                                 | 23.7         | 143.5        | GGFG                  |                     |                      | 153                     | 36                     |
| 2718-04021        | 00000/0000                   | 2-2003R/0881                | 01/09/77         | 10             | 4                      | 3312N                                 | 08446E                                 | 24.7         | 142.8        | GGGG                  |                     |                      | 153                     | 37                     |
| 2718-04024        | 00000/0000                   | 2-2003R/0882                | 01/09/77         | 10             | 4                      | 3146N                                 | 08421E                                 | 25.7         | 142.1        | GGFG                  |                     |                      | 153                     | 38                     |
| 2718-04030        | 00000/0000                   | 2-2003R/0883                | 01/09/77         | 0              | 4                      | 3020N                                 | 08356E                                 | 26.6         | 141.4        | GGGG                  |                     |                      | 153                     | 39                     |
| 2718-04033        | 00000/0000                   | 2-2003R/0884                | 01/09/77         | 10             | 4                      | 2853N                                 | 08332E                                 | 27.6         | 140.7        | GGGG                  |                     |                      | 153                     | 40                     |
| 2718-04042        | 00000/0000                   | 2-2003R/0885                | 01/09/77         | 10             | 4                      | 2601N                                 | 08245E                                 | 29.4         | 139.2        | P                     |                     |                      | 153                     | 42                     |
| 2718-04044        | 00000/0000                   | 2-2003R/0886                | 01/09/77         | 0              | 4                      | 2434N                                 | 08222E                                 | 30.4         | 138.4        | PPPP                  |                     |                      | 153                     | 43                     |
| 2718-04051        | 00000/0000                   | 2-2003R/0887                | 01/09/77         | 0              | 4                      | 2308N                                 | 08159E                                 | 31.3         | 137.7        | PPPP                  |                     |                      | 153                     | 44                     |
| 2718-04053        | 00000/0000                   | 2-2003R/0888                | 01/09/77         | 0              | 4                      | 2142N                                 | 08137E                                 | 32.2         | 136.8        | GGGG                  |                     |                      | 153                     | 45                     |
| 2718-04060        | 00000/0000                   | 2-2003R/0889                | 01/09/77         | 0              | 4                      | 2015N                                 | 08115E                                 | 33.0         | 136.0        | FFFF                  |                     |                      | 153                     | 46                     |
| 2718-04062        | 00000/0000                   | 2-2003R/0890                | 01/09/77         | 0              | 4                      | 1848N                                 | 08053E                                 | 33.9         | 135.1        | PPFG                  |                     |                      | 153                     | 47                     |
| 2718-04065        | 00000/0000                   | 2-2003R/0891                | 01/09/77         | 10             | 4                      | 1721N                                 | 08032E                                 | 34.8         | 134.2        | FGFG                  |                     |                      | 153                     | 48                     |
| 2718-05400        | 00000/0000                   | 2-2003R/0892                | 01/09/77         | 60             | 5                      | 5144N                                 | 06555E                                 | 11.4         | 151.1        | PPFP                  |                     |                      | 171                     | 24                     |
| 2718-05403        | 00000/0000                   | 2-2003R/0893                | 01/09/77         | 60             | 5                      | 5019N                                 | 06514E                                 | 12.4         | 150.4        | PPFP                  |                     |                      | 171                     | 25                     |
| 2718-05412        | 00000/0000                   | 2-2003R/0894                | 01/09/77         | 30             | 5                      | 4729N                                 | 06359E                                 | 14.5         | 149.2        | FGGG                  |                     |                      | 171                     | 27                     |
| 2718-05414        | 00000/0000                   | 2-2003R/0895                | 01/09/77         | 70             | 5                      | 4604N                                 | 06324E                                 | 15.6         | 148.5        | FGGG                  |                     |                      | 171                     | 28                     |
| 2718-05421        | 00000/0000                   | 2-2003R/0896                | 01/09/77         | 90             | 5                      | 4438N                                 | 06250E                                 | 16.6         | 147.9        | GGGG                  |                     |                      | 171                     | 29                     |
| 2718-05423        | 00000/0000                   | 2-2003R/0897                | 01/09/77         | 90             | 5                      | 4313N                                 | 06218E                                 | 17.6         | 147.3        | GGGG                  |                     |                      | 171                     | 30                     |
| 2718-05430        | 00000/0000                   | 2-2003R/0898                | 01/09/77         | 80             | 5                      | 4148N                                 | 06147E                                 | 18.7         | 146.7        | GFGG                  |                     |                      | 171                     | 31                     |
| 2718-05432        | 00000/0000                   | 2-2003R/0899                | 01/09/77         | 80             | 5                      | 4024N                                 | 06117E                                 | 19.7         | 146.0        | GFGG                  |                     |                      | 171                     | 32                     |
| 2718-05435        | 00000/0000                   | 2-2003R/0900                | 01/09/77         | 60             | 5                      | 3857N                                 | 06048E                                 | 20.7         | 145.4        | GGGG                  |                     |                      | 171                     | 33                     |
| 2718-05441        | 00000/0000                   | 2-2003R/0901                | 01/09/77         | 80             | 5                      | 3731N                                 | 06019E                                 | 21.7         | 144.8        | GGGG                  |                     |                      | 171                     | 34                     |
| 2718-05444        | 00000/0000                   | 2-2003R/0902                | 01/09/77         | 80             | 5                      | 3604N                                 | 05951E                                 | 22.7         | 144.1        | GGGG                  |                     |                      | 171                     | 35                     |
| 2718-05450        | 00000/0000                   | 2-2003R/0903                | 01/09/77         | 50             | 5                      | 3438N                                 | 05924E                                 | 23.7         | 143.5        | GGGG                  |                     |                      | 171                     | 36                     |
| 2718-05453        | 00000/0000                   | 2-2003R/0904                | 01/09/77         | 30             | 5                      | 3312N                                 | 05858E                                 | 24.7         | 142.8        | GGGG                  |                     |                      | 171                     | 37                     |
| 2718-05462        | 00000/0000                   | 2-2003R/0905                | 01/09/77         | 0              | 5                      | 3020N                                 | 05808E                                 | 26.6         | 141.4        | PPPP                  |                     |                      | 171                     | 39                     |
| 2718-05464        | 00000/0000                   | 2-2003R/0906                | 01/09/77         | 10             | 5                      | 2853N                                 | 05743E                                 | 27.6         | 140.7        | FFFG                  |                     |                      | 171                     | 40                     |
| 2718-05471        | 00000/0000                   | 2-2003R/0907                | 01/09/77         | 10             | 5                      | 2727N                                 | 05719E                                 | 28.5         | 140.0        | FFFG                  |                     |                      | 171                     | 41                     |

KEYS: CLOUD COVER = ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| OBSERVATION ID | MICROFILM REEL NO./ POSITION IN REEL | DATE ACQUIRED | CLOUD COVER NUMBER | ORBIT | PRINCIPAL OF IMAGE | SUN ELEV. | SUN AZIM.  | IMAGE QUAL | MSS DATA | MSS IMAGE | ORBIT PATH | FRAME ROW |
|----------------|--------------------------------------|---------------|--------------------|-------|--------------------|-----------|------------|------------|----------|-----------|------------|-----------|
|                | RBV MSS                              |               |                    |       | LAT LONG           |           |            | 123 45678  | MODE     | GAIN      | NUMBER     | NUMBER    |
| 2718-07225     | 00000/0000                           | 2-2003A/1203  | 01/09/77           | 80    | 6 5308N            | 04049E    | 10.3 151.8 | GGGG       |          |           | 189        | 23        |
| 2718-07232     | 00000/0000                           | 2-2003A/1204  | 01/09/77           | 80    | 6 5144N            | 03006E    | 11.4 151.1 | GGGG       |          |           | 189        | 24        |
| 2718-07234     | 00000/0000                           | 2-2003A/1205  | 01/09/77           | 80    | 6 5019N            | 03925E    | 12.4 150.4 | FFFF       |          |           | 189        | 25        |
| 2718-07241     | 00000/0000                           | 2-2003A/1206  | 01/09/77           | 80    | 6 4854N            | 03846E    | 13.5 149.8 | GGGG       |          |           | 189        | 26        |
| 2718-07243     | 00000/0000                           | 2-2003A/1207  | 01/09/77           | 80    | 6 4729N            | 03809E    | 14.5 149.1 | GGGG       |          |           | 189        | 27        |
| 2718-07250     | 00000/0000                           | 2-2003A/1208  | 01/09/77           | 90    | 6 4604N            | 03734E    | 15.6 148.5 | FGG        |          |           | 189        | 28        |
| 2718-07252     | 00000/0000                           | 2-2003A/1209  | 01/09/77           | 90    | 6 4439N            | 03700E    | 16.6 147.9 | GGGG       |          |           | 189        | 29        |
| 2718-14162     | 00000/0000                           | 2-2003A/1088  | 01/09/77           | 70    | 10 5145N           | 06307W    | 11.4 151.0 | GGGG       |          |           | 10         | 24        |
| 2718-14165     | 00000/0000                           | 2-2003A/1089  | 01/09/77           | 40    | 10 5020N           | 06348W    | 12.4 150.4 | GGGG       |          |           | 10         | 25        |
| 2718-14171     | 00000/0000                           | 2-2003A/1090  | 01/09/77           | 40    | 10 4856N           | 06426W    | 13.5 149.7 | GGGG       |          |           | 10         | 26        |
| 2718-14192     | 00000/0000                           | 2-2003A/1093  | 01/09/77           | 70    | 10 4149N           | 06718W    | 18.7 146.6 | GG         |          |           | 10         | 31        |
| 2718-14194     | 00000/0000                           | 2-2003A/1091  | 01/09/77           | 30    | 10 4023N           | 06749W    | 19.7 146.0 | FGGG       |          | H         | 10         | 32        |
| 2718-14201     | 00000/0000                           | 2-2003A/1092  | 01/09/77           | 80    | 10 3857N           | 06818W    | 20.7 145.3 | GGGG       |          | H         | 10         | 33        |
| 2718-16073     | 00000/0000                           | 2-2003A/1103  | 01/09/77           | 90    | 11 2435N           | 09821W    | 30.4 138.3 | GGFG       |          |           | 28         | 43        |
| 2718-23181     | 00000/0000                           | 2-2003A/1210  | 01/09/77           | 50    | 15 3548S           | 14318E    | 45.5 85.4  | GGGG       |          |           | 100        | 85        |
| 2719-02223     | 00000/0000                           | 2-2003A/1211  | 01/10/77           | 50    | 17 4023N           | 11127E    | 19.7 145.9 | GGGG       |          |           | 136        | 32        |
| 2719-02230     | 00000/0000                           | 2-2003A/1212  | 01/10/77           | 30    | 17 3858N           | 11057E    | 20.8 145.3 | GGGG       |          |           | 136        | 33        |
| 2719-02232     | 00000/0000                           | 2-2003A/1213  | 01/10/77           | 80    | 17 3732N           | 11029E    | 21.8 144.6 | GGGG       |          |           | 136        | 34        |
| 2719-02235     | 00000/0000                           | 2-2003A/1214  | 01/10/77           | 30    | 17 3606N           | 11001E    | 22.8 144.0 | GGGG       |          |           | 136        | 35        |
| 2719-02241     | 00000/0000                           | 2-2003A/1215  | 01/10/77           | 20    | 17 3440N           | 10435E    | 23.7 143.3 | GGGG       |          |           | 136        | 36        |
| 2719-02244     | 00000/0000                           | 2-2003A/1216  | 01/10/77           | 70    | 17 3314N           | 10408E    | 24.7 142.6 | GGGG       |          |           | 136        | 37        |
| 2719-02250     | 00000/0000                           | 2-2003A/1217  | 01/10/77           | 70    | 17 3148N           | 10443E    | 25.7 142.0 | GGGG       |          |           | 136        | 38        |
| 2719-02253     | 00000/0000                           | 2-2003A/1218  | 01/10/77           | 30    | 17 3022N           | 10418E    | 26.7 141.3 | GGGG       |          |           | 136        | 39        |
| 2719-02255     | 00000/0000                           | 2-2003A/1219  | 01/10/77           | 20    | 17 2855N           | 10754E    | 27.6 140.5 | GGGG       |          |           | 136        | 40        |
| 2719-02262     | 00000/0000                           | 2-2003A/1220  | 01/10/77           | 20    | 17 2728N           | 10730E    | 28.6 139.8 | GGGG       |          |           | 136        | 41        |
| 2719-02264     | 00000/0000                           | 2-2003A/1221  | 01/10/77           | 20    | 17 2602N           | 10707E    | 29.6 139.0 | GGGG       |          |           | 136        | 42        |
| 2719-04023     | 00000/0000                           | 2-2003A/1147  | 01/10/77           | 10    | 18 5145N           | 09019E    | 11.5 151.0 | FGGG       |          |           | 154        | 24        |
| 2719-04025     | 00000/0000                           | 2-2003A/1148  | 01/10/77           | 10    | 18 5020N           | 08938E    | 12.5 150.3 | GGGG       |          |           | 154        | 25        |
| 2719-04032     | 00000/0000                           | 2-2003A/1149  | 01/10/77           | 0     | 18 4855N           | 08859E    | 13.6 149.6 | GGGG       |          |           | 154        | 26        |
| 2719-04034     | 00000/0000                           | 2-2003A/1150  | 01/10/77           | 0     | 18 4729N           | 08822E    | 14.6 149.0 | GGGG       |          |           | 154        | 27        |
| 2719-04041     | 00000/0000                           | 2-2003A/1151  | 01/10/77           | 10    | 18 4605N           | 08747E    | 15.6 148.4 | GGGG       |          |           | 154        | 28        |
| 2719-04043     | 00000/0000                           | 2-2003A/1152  | 01/10/77           | 20    | 18 4440N           | 08714E    | 16.7 147.8 | GGGG       |          |           | 154        | 29        |
| 2719-04050     | 00000/0000                           | 2-2003A/1153  | 01/10/77           | 40    | 18 4315N           | 08642E    | 17.7 147.1 | GGGG       |          |           | 154        | 30        |
| 2719-04052     | 00000/0000                           | 2-2003A/1154  | 01/10/77           | 70    | 18 4149N           | 08610E    | 18.7 146.5 | GGGG       |          |           | 154        | 31        |
| 2719-04055     | 00000/0000                           | 2-2003A/1155  | 01/10/77           | 70    | 18 4023N           | 08539E    | 19.8 145.9 | FGGG       |          |           | 154        | 32        |
| 2719-04061     | 00000/0000                           | 2-2003A/1156  | 01/10/77           | 60    | 18 3857N           | 08509E    | 20.8 145.2 | FFFF       |          |           | 154        | 33        |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL<br>BF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2719-04064        | 00000/0000                           | 2-20038/1157     | 01/10/77         | 30             | 18              | 3731N                        | 08441E        | 21.8         | 144.6        | PGGG                               |                     |                      | 154                     | 34                     |
| 2719-04070        | 00000/0000                           | 2-20038/1158     | 01/10/77         | 10             | 18              | 3605N                        | 08413E        | 22.8         | 144.0        | PGGG                               |                     |                      | 154                     | 35                     |
| 2719-04073        | 00000/0000                           | 2-20038/1159     | 01/10/77         | 30             | 18              | 3449N                        | 08346E        | 23.8         | 143.3        | PGGG                               |                     |                      | 154                     | 36                     |
| 2719-04075        | 00000/0000                           | 2-20038/1160     | 01/10/77         | 20             | 18              | 3313N                        | 08320E        | 24.7         | 142.6        | PGGG                               |                     |                      | 154                     | 37                     |
| 2719-04082        | 00000/0000                           | 2-20038/1161     | 01/10/77         | 50             | 18              | 3147N                        | 08255E        | 25.7         | 141.9        | PGGG                               |                     |                      | 154                     | 38                     |
| 2719-04084        | 00000/0000                           | 2-20038/1162     | 01/10/77         | 40             | 18              | 3020N                        | 08230E        | 26.7         | 141.2        | PGGG                               |                     |                      | 154                     | 39                     |
| 2719-04091        | 00000/0000                           | 2-20038/1163     | 01/10/77         | 30             | 18              | 2854N                        | 08206E        | 27.6         | 140.5        | PGGG                               |                     |                      | 154                     | 40                     |
| 2719-04093        | 00000/0000                           | 2-20038/1164     | 01/10/77         | 10             | 18              | 2728N                        | 08142E        | 28.6         | 139.8        | PGGG                               |                     |                      | 154                     | 41                     |
| 2719-04100        | 00000/0000                           | 2-20038/1165     | 01/10/77         | 0              | 18              | 2601N                        | 08119E        | 29.5         | 139.0        | PGGG                               |                     |                      | 154                     | 42                     |
| 2719-04102        | 00000/0000                           | 2-20038/1166     | 01/10/77         | 0              | 18              | 2435N                        | 08056E        | 30.4         | 138.2        | PGGG                               |                     |                      | 154                     | 43                     |
| 2719-04105        | 00000/0000                           | 2-20038/1167     | 01/10/77         | 0              | 18              | 2309N                        | 08033E        | 31.3         | 137.4        | PGGG                               |                     |                      | 154                     | 44                     |
| 2719-04111        | 00000/0000                           | 2-20038/1168     | 01/10/77         | 0              | 18              | 2142N                        | 08011E        | 32.2         | 136.6        | PGGG                               |                     |                      | 154                     | 45                     |
| 2719-04114        | 00000/0000                           | 2-20038/1169     | 01/10/77         | 0              | 18              | 2016N                        | 07949E        | 33.1         | 135.8        | PGGG                               |                     |                      | 154                     | 46                     |
| 2719-04120        | 00000/0000                           | 2-20038/1170     | 01/10/77         | 0              | 18              | 1849N                        | 07927E        | 33.9         | 134.9        | FFFG                               |                     |                      | 154                     | 47                     |
| 2719-04123        | 00000/0000                           | 2-20038/1171     | 01/10/77         | 0              | 18              | 1722N                        | 07906E        | 34.8         | 134.0        | PGGG                               |                     |                      | 154                     | 48                     |
| 2719-04125        | 00000/0000                           | 2-20038/1172     | 01/10/77         | 0              | 18              | 1546N                        | 07845E        | 35.6         | 133.1        | FFFG                               |                     |                      | 154                     | 49                     |
| 2719-04132        | 00000/0000                           | 2-20038/1173     | 01/10/77         | 0              | 18              | 1429N                        | 07824E        | 36.4         | 132.1        | PGGG                               |                     |                      | 154                     | 50                     |
| 2719-04134        | 00000/0000                           | 2-20038/1174     | 01/10/77         | 0              | 18              | 1303N                        | 07803E        | 37.2         | 131.2        | PGGG                               |                     |                      | 154                     | 51                     |
| 2719-04141        | 00000/0000                           | 2-20038/1175     | 01/10/77         | 0              | 18              | 1136N                        | 07743E        | 37.9         | 130.1        | PGGG                               |                     |                      | 154                     | 52                     |
| 2719-04143        | 00000/0000                           | 2-20038/1222     | 01/10/77         | 10             | 18              | 1009N                        | 07722E        | 38.7         | 129.1        | PGGG                               |                     |                      | 154                     | 53                     |
| 2719-05452        | 00000/0000                           | 2-20038/1176     | 01/10/77         | 70             | 19              | 5309N                        | 06513E        | 10.4         | 151.6        | PPPG                               |                     |                      | 172                     | 23                     |
| 2719-05455        | 00000/0000                           | 2-20038/1177     | 01/10/77         | 40             | 19              | 5145N                        | 06429E        | 11.5         | 150.9        | FFFF                               |                     |                      | 172                     | 24                     |
| 2719-05461        | 00000/0000                           | 2-20038/1178     | 01/10/77         | 30             | 19              | 5020N                        | 06348E        | 12.5         | 150.3        | FFFF                               |                     |                      | 172                     | 25                     |
| 2719-05464        | 00000/0000                           | 2-20038/1179     | 01/10/77         | 30             | 19              | 4855N                        | 06310E        | 13.6         | 149.6        | FFFF                               |                     |                      | 172                     | 26                     |
| 2719-05470        | 00000/0000                           | 2-20038/1180     | 01/10/77         | 60             | 19              | 4730N                        | 06234E        | 14.6         | 149.0        | FFGF                               |                     |                      | 172                     | 27                     |
| 2719-05475        | 00000/0000                           | 2-20038/1181     | 01/10/77         | 90             | 19              | 4429N                        | 06126E        | 16.7         | 147.7        | PPPP                               |                     |                      | 172                     | 29                     |
| 2719-05482        | 00000/0000                           | 2-20038/1182     | 01/10/77         | 70             | 19              | 4314N                        | 06053E        | 17.7         | 147.1        | FFFF                               |                     |                      | 172                     | 30                     |
| 2719-05491        | 00000/0000                           | 2-20038/1183     | 01/10/77         | 80             | 19              | 4022N                        | 05950E        | 19.8         | 145.9        | PGGG                               |                     |                      | 172                     | 32                     |
| 2719-05493        | 00000/0000                           | 2-20038/1184     | 01/10/77         | 40             | 19              | 3856N                        | 05921E        | 20.8         | 145.2        | FFFF                               |                     |                      | 172                     | 33                     |
| 2719-05500        | 00000/0000                           | 2-20038/1185     | 01/10/77         | 10             | 19              | 3730N                        | 05852E        | 21.8         | 144.6        | PGGG                               |                     |                      | 172                     | 34                     |
| 2719-05502        | 00000/0000                           | 2-20038/1186     | 01/10/77         | 20             | 19              | 3604N                        | 05824E        | 22.8         | 143.9        | PGGG                               |                     |                      | 172                     | 35                     |
| 2719-05505        | 00000/0000                           | 2-20038/1187     | 01/10/77         | 10             | 19              | 3438N                        | 05757E        | 23.8         | 143.3        | PGGG                               |                     |                      | 172                     | 36                     |
| 2719-05511        | 00000/0000                           | 2-20038/1188     | 01/10/77         | 10             | 19              | 3312N                        | 05731E        | 24.7         | 142.6        | PGGG                               |                     |                      | 172                     | 37                     |
| 2719-05514        | 00000/0000                           | 2-20038/1189     | 01/10/77         | 0              | 19              | 3146N                        | 05705E        | 25.7         | 141.9        | PGGG                               |                     |                      | 172                     | 38                     |
| 2719-05520        | 00000/0000                           | 2-20038/1190     | 01/10/77         | 10             | 19              | 3020N                        | 05640E        | 26.7         | 141.2        | PGGG                               |                     |                      | 172                     | 39                     |
| 2719-05523        | 00000/0000                           | 2-20038/1191     | 01/10/77         | 10             | 19              | 2853N                        | 05616E        | 27.6         | 140.5        | PGGG                               |                     |                      | 172                     | 40                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|-----------------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2719-07284        | 00000/0000                           | 2-2003R/1223     | 01/10/77         | 3n                    | 20              | 5308N                                   | 03926E       | 10.4         | 151.6                              | GGGG                |                      | 190                     | 23                     |
| 2719-07290        | 00000/0000                           | 2-2003R/1224     | 01/10/77         | 5n                    | 20              | 5143N                                   | 03843E       | 11.5         | 150.9                              | GGGG                |                      | 190                     | 24                     |
| 2719-07293        | 00000/0000                           | 2-2003R/1225     | 01/10/77         | 6n                    | 20              | 5019N                                   | 03802E       | 12.5         | 150.3                              | GGGG                |                      | 190                     | 25                     |
| 2719-07295        | 00000/0000                           | 2-2003R/1226     | 01/10/77         | 7n                    | 20              | 4854N                                   | 03722E       | 13.6         | 149.6                              | GGGG                |                      | 190                     | 26                     |
| 2719-07302        | 00000/0000                           | 2-2003R/1227     | 01/10/77         | 3n                    | 20              | 4759N                                   | 03645E       | 14.6         | 149.0                              | GGGG                |                      | 190                     | 27                     |
| 2719-07304        | 00000/0000                           | 2-2003R/1228     | 01/10/77         | 1n                    | 20              | 4654N                                   | 03610E       | 15.7         | 148.4                              | GGGG                |                      | 190                     | 28                     |
| 2719-07311        | 00000/0000                           | 2-2003R/1229     | 01/10/77         | 3n                    | 20              | 4498N                                   | 03536E       | 16.7         | 147.7                              | GGGG                |                      | 190                     | 29                     |
| 2719-14225        | 00000/0000                           | 2-2003R/1192     | 01/10/77         | 1n                    | 24              | 4855N                                   | 06556W       | 13.6         | 149.6                              | GGGG                |                      | 11                      | 26                     |
| 2719-14261        | 00000/0000                           | 2-2003R/1202     | 01/10/77         | 9n                    | 24              | 3731N                                   | 07014W       | 21.8         | 144.5                              | GG                  | H                    | 11                      | 34                     |
| 2719-14264        | 00000/0000                           | 2-2003R/1193     | 01/10/77         | 9n                    | 24              | 3605N                                   | 07042W       | 22.8         | 143.9                              | GGGG                |                      | 11                      | 35                     |
| 2719-14270        | 00000/0000                           | 2-2003R/1194     | 01/10/77         | 6n                    | 24              | 3499N                                   | 07108W       | 23.8         | 143.2                              | GGGG                |                      | 11                      | 36                     |
| 2719-14273        | 00000/0000                           | 2-2003R/1195     | 01/10/77         | 4n                    | 24              | 3313N                                   | 07134W       | 24.8         | 142.5                              | GGGG                |                      | 11                      | 37                     |
| 2719-14275        | 00000/0000                           | 2-2003R/1196     | 01/10/77         | 5n                    | 24              | 3147N                                   | 07200W       | 25.7         | 141.9                              | GGGG                |                      | 11                      | 38                     |
| 2719-14282        | 00000/0000                           | 2-2003R/1197     | 01/10/77         | 5n                    | 24              | 3021N                                   | 07225W       | 26.7         | 141.2                              | GGGG                |                      | 11                      | 39                     |
| 2719-14284        | 00000/0000                           | 2-2003R/1198     | 01/10/77         | 3n                    | 24              | 2854N                                   | 07249W       | 27.6         | 140.4                              | GGGG                |                      | 11                      | 40                     |
| 2719-14291        | 00000/0000                           | 2-2003R/1199     | 01/10/77         | 3n                    | 24              | 2728N                                   | 07313W       | 28.6         | 139.7                              | FGGG                |                      | 11                      | 41                     |
| 2719-14293        | 00000/0000                           | 2-2003R/1200     | 01/10/77         | 3n                    | 24              | 2602N                                   | 07336W       | 29.5         | 138.9                              | GGGG                |                      | 11                      | 42                     |
| 2719-14300        | 00000/0000                           | 2-2003R/1201     | 01/10/77         | 2n                    | 24              | 2435N                                   | 07358W       | 30.4         | 138.2                              | GGGG                |                      | 11                      | 43                     |
| 2719-17540        | 00000/0000                           | 2-2003R/0653     | 01/10/77         | 7n                    | 26              | 3312N                                   | 12311W       | 24.8         | 142.5                              | GGGG                |                      | 47                      | 37                     |
| 2719-23235        | 00000/0000                           | 2-2003R/1299     | 01/10/77         | 1n                    | 29              | 3557S                                   | 14151E       | 45.3         | 85.5                               | GGGG                |                      | 101                     | 85                     |
| 2720-02300        | 00000/0000                           | 2-2003R/1300     | 01/11/77         | 1n                    | 31              | 3440N                                   | 10808E       | 23.8         | 143.1                              | GGGG                |                      | 137                     | 36                     |
| 2720-02302        | 00000/0000                           | 2-2003R/1301     | 01/11/77         | 9n                    | 31              | 3314N                                   | 10742E       | 24.8         | 142.5                              | GGGG                |                      | 137                     | 37                     |
| 2720-02305        | 00000/0000                           | 2-2003R/1302     | 01/11/77         | 10n                   | 31              | 3147N                                   | 10716E       | 25.8         | 141.8                              | GGGG                |                      | 137                     | 38                     |
| 2720-02311        | 00000/0000                           | 2-2003R/1303     | 01/11/77         | 10n                   | 31              | 3021N                                   | 10651E       | 26.7         | 141.1                              | GGGG                |                      | 137                     | 39                     |
| 2720-02314        | 00000/0000                           | 2-2003R/1304     | 01/11/77         | 10n                   | 31              | 2854N                                   | 10627E       | 27.7         | 140.3                              | GGGG                |                      | 137                     | 40                     |
| 2720-02320        | 00000/0000                           | 2-2003R/1305     | 01/11/77         | 10n                   | 31              | 2728N                                   | 10603E       | 28.6         | 139.6                              | GG                  |                      | 137                     | 41                     |
| 2720-02323        | 00000/0000                           | 2-2003R/1306     | 01/11/77         | 10n                   | 31              | 2602N                                   | 10540E       | 29.5         | 138.8                              | GGGG                |                      | 137                     | 42                     |
| 2720-04081        | 00000/0000                           | 2-2003R/1247     | 01/11/77         | n                     | 32              | 5145N                                   | 08851E       | 11.6         | 150.8                              | GGGG                |                      | 155                     | 24                     |
| 2720-04084        | 00000/0000                           | 2-2003R/1248     | 01/11/77         | n                     | 32              | 5020N                                   | 08811E       | 12.6         | 150.1                              | GGGG                |                      | 155                     | 25                     |
| 2720-04090        | 00000/0000                           | 2-2003R/1249     | 01/11/77         | 0                     | 32              | 4854N                                   | 08732E       | 13.7         | 149.5                              | GGGG                |                      | 155                     | 26                     |
| 2720-04093        | 00000/0000                           | 2-2003R/1250     | 01/11/77         | 2n                    | 32              | 4730N                                   | 08655E       | 14.7         | 148.9                              | GGGG                |                      | 155                     | 27                     |
| 2720-04095        | 00000/0000                           | 2-2003R/1251     | 01/11/77         | 4n                    | 32              | 4605N                                   | 08620E       | 15.7         | 148.2                              | FFGG                |                      | 155                     | 28                     |
| 2720-04102        | 00000/0000                           | 2-2003R/1252     | 01/11/77         | 7n                    | 32              | 4499N                                   | 08546E       | 16.8         | 147.6                              | FFGG                |                      | 155                     | 29                     |
| 2720-04104        | 00000/0000                           | 2-2003R/1253     | 01/11/77         | 8n                    | 32              | 4314N                                   | 08514E       | 17.8         | 147.0                              | GGGG                |                      | 155                     | 30                     |
| 2720-04111        | 00000/0000                           | 2-2003R/1254     | 01/11/77         | 9n                    | 32              | 4149N                                   | 08443E       | 18.8         | 146.3                              | GGGG                |                      | 155                     | 31                     |
| 2720-04113        | 00000/0000                           | 2-2003R/1255     | 01/11/77         | 8n                    | 32              | 4023N                                   | 08413E       | 19.8         | 145.7                              | FFGG                |                      | 155                     | 32                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2720-04120        | 00000/0000                   | 2-20038/1256                | 01/11/77         | 90             | 32              | 3857N                              | 08343E                              | 20.9         | 145.1        | GFGF                               |                     |                      | 155                     | 33                     |
| 2720-04122        | 00000/0000                   | 2-20038/1257                | 01/11/77         | 70             | 32              | 3731N                              | 08314E                              | 21.9         | 144.4        | FFGF                               |                     |                      | 155                     | 34                     |
| 2720-04125        | 00000/0000                   | 2-20038/1258                | 01/11/77         | 70             | 32              | 3605N                              | 08247E                              | 22.8         | 143.8        | FGGF                               |                     |                      | 155                     | 35                     |
| 2720-04131        | 00000/0000                   | 2-20038/1259                | 01/11/77         | 100            | 32              | 3439N                              | 08220E                              | 23.8         | 143.1        | PGGG                               |                     |                      | 155                     | 36                     |
| 2720-04134        | 00000/0000                   | 2-20038/1260                | 01/11/77         | 90             | 32              | 3313N                              | 08154E                              | 24.8         | 142.4        | PPGG                               |                     |                      | 155                     | 37                     |
| 2720-04140        | 00000/0000                   | 2-20038/1261                | 01/11/77         | 60             | 32              | 3146N                              | 08128E                              | 25.8         | 141.7        | GGGG                               |                     |                      | 155                     | 38                     |
| 2720-04143        | 00000/0000                   | 2-20038/1262                | 01/11/77         | 70             | 32              | 3020N                              | 08104E                              | 26.7         | 141.0        | GGGG                               |                     |                      | 155                     | 39                     |
| 2720-04145        | 00000/0000                   | 2-20038/1263                | 01/11/77         | 30             | 32              | 2854N                              | 08039E                              | 27.7         | 140.3        | GGGG                               |                     |                      | 155                     | 40                     |
| 2720-04152        | 00000/0000                   | 2-20038/1264                | 01/11/77         | 10             | 32              | 2728N                              | 08015E                              | 28.6         | 139.6        | FGGG                               |                     |                      | 155                     | 41                     |
| 2720-04154        | 00000/0000                   | 2-20038/1265                | 01/11/77         | 10             | 32              | 2601N                              | 07952E                              | 29.5         | 138.8        | GGGG                               |                     |                      | 155                     | 42                     |
| 2720-04161        | 00000/0000                   | 2-20038/1266                | 01/11/77         | 20             | 32              | 2435N                              | 07929E                              | 30.5         | 138.0        | GFFG                               |                     |                      | 155                     | 43                     |
| 2720-04163        | 00000/0000                   | 2-20038/1267                | 01/11/77         | 30             | 32              | 2309N                              | 07906E                              | 31.4         | 137.2        | GGGG                               |                     |                      | 155                     | 44                     |
| 2720-04170        | 00000/0000                   | 2-20038/1268                | 01/11/77         | 10             | 32              | 2142N                              | 07844E                              | 32.2         | 136.4        | FGGG                               |                     |                      | 155                     | 45                     |
| 2720-04172        | 00000/0000                   | 2-20038/1269                | 01/11/77         | 10             | 32              | 2015N                              | 07822E                              | 33.1         | 135.6        | FFFG                               |                     |                      | 155                     | 46                     |
| 2720-04175        | 00000/0000                   | 2-20038/1246                | 01/11/77         | 0              | 32              | 1848N                              | 07800E                              | 34.0         | 134.7        | F GG                               |                     |                      | 155                     | 47                     |
| 2720-04181        | 00000/0000                   | 2-20038/1270                | 01/11/77         | 0              | 32              | 1722N                              | 07739E                              | 34.8         | 133.8        | FGGG                               |                     |                      | 155                     | 48                     |
| 2720-04184        | 00000/0000                   | 2-20038/1271                | 01/11/77         | 0              | 32              | 1556N                              | 07718E                              | 35.6         | 132.9        | GGGG                               |                     |                      | 155                     | 49                     |
| 2720-04190        | 00000/0000                   | 2-20038/1272                | 01/11/77         | 0              | 32              | 1429N                              | 07658E                              | 36.4         | 131.9        | GGGG                               |                     |                      | 155                     | 50                     |
| 2720-04193        | 00000/0000                   | 2-20038/1273                | 01/11/77         | 0              | 32              | 1303N                              | 07637E                              | 37.2         | 130.9        | GGGG                               |                     |                      | 155                     | 51                     |
| 2720-04195        | 00000/0000                   | 2-20038/1274                | 01/11/77         | 10             | 32              | 1177N                              | 07616E                              | 38.0         | 129.9        | PPGG                               |                     |                      | 155                     | 52                     |
| 2720-05504        | 00000/0000                   | 2-20038/1275                | 01/11/77         | 30             | 33              | 5433N                              | 06433E                              | 9.5          | 152.2        | FFGF                               |                     |                      | 173                     | 22                     |
| 2720-05510        | 00000/0000                   | 2-20038/1276                | 01/11/77         | 40             | 33              | 5308N                              | 06347E                              | 10.5         | 151.5        | FGGF                               |                     |                      | 173                     | 23                     |
| 2720-05513        | 00000/0000                   | 2-20038/1277                | 01/11/77         | 40             | 33              | 5144N                              | 06304E                              | 11.6         | 150.8        | GFGG                               |                     |                      | 173                     | 24                     |
| 2720-05515        | 00000/0000                   | 2-20038/1278                | 01/11/77         | 20             | 33              | 5020N                              | 06223E                              | 12.6         | 150.1        | GGGG                               |                     |                      | 173                     | 25                     |
| 2720-05522        | 00000/0000                   | 2-20038/1279                | 01/11/77         | 20             | 33              | 4855N                              | 06144E                              | 13.7         | 149.5        | GGGG                               |                     |                      | 173                     | 26                     |
| 2720-05524        | 00000/0000                   | 2-20038/1280                | 01/11/77         | 80             | 33              | 4730N                              | 06107E                              | 14.7         | 148.8        | GFGG                               |                     |                      | 173                     | 27                     |
| 2720-05531        | 00000/0000                   | 2-20038/1281                | 01/11/77         | 50             | 33              | 4605N                              | 06031E                              | 15.8         | 148.2        | GFGF                               |                     |                      | 173                     | 28                     |
| 2720-05533        | 00000/0000                   | 2-20038/1282                | 01/11/77         | 50             | 33              | 4440N                              | 05957E                              | 16.8         | 147.6        | GGGG                               |                     |                      | 173                     | 29                     |
| 2720-05540        | 00000/0000                   | 2-20038/1283                | 01/11/77         | 70             | 33              | 4314N                              | 05925E                              | 17.8         | 147.0        | GGGG                               |                     |                      | 173                     | 30                     |
| 2720-05542        | 00000/0000                   | 2-20038/1284                | 01/11/77         | 80             | 33              | 4188N                              | 05854E                              | 18.8         | 146.3        | GGGG                               |                     |                      | 173                     | 31                     |
| 2720-05545        | 00000/0000                   | 2-20038/1285                | 01/11/77         | 80             | 33              | 4022N                              | 05824E                              | 19.9         | 145.7        | GGGG                               |                     |                      | 173                     | 32                     |
| 2720-05551        | 00000/0000                   | 2-20038/1286                | 01/11/77         | 20             | 33              | 3856N                              | 05754E                              | 20.9         | 145.1        | GGGG                               |                     |                      | 173                     | 33                     |
| 2720-05554        | 00000/0000                   | 2-20038/1287                | 01/11/77         | 10             | 33              | 3730N                              | 05725E                              | 21.9         | 144.4        | GGGG                               |                     |                      | 173                     | 34                     |
| 2720-05560        | 00000/0000                   | 2-20038/1288                | 01/11/77         | 10             | 33              | 3604N                              | 05658E                              | 22.9         | 143.8        | FGGG                               |                     |                      | 173                     | 35                     |
| 2720-05563        | 00000/0000                   | 2-20038/1289                | 01/11/77         | 10             | 33              | 3478N                              | 05631E                              | 23.8         | 143.1        | GFGF                               |                     |                      | 173                     | 36                     |
| 2720-05565        | 00000/0000                   | 2-20038/1290                | 01/11/77         | 10             | 33              | 3312N                              | 05605E                              | 24.8         | 142.4        | GGGG                               |                     |                      | 173                     | 37                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO.<br>IN RBL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SBBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT * LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SBBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|---------------------------|------------------|----------------|-----------------|-------------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2720-05572        | 00000/0000                   | 2-20038/1291              | 01/11/77         | 10             | 33              | 3146N 05539E                              | 25.8         | 141.7        | FGGF                               |                     |                      | 173                     | 38                     |
| 2720-05574        | 00000/0000                   | 2-20038/1292              | 01/11/77         | 20             | 33              | 3020N 05514E                              | 26.7         | 141.0        | GGGG                               |                     |                      | 173                     | 39                     |
| 2720-07353        | 00000/0000                   | 2-20038/1307              | 01/11/77         | 50             | 34              | 4854N 03555E                              | 13.7         | 149.5        | GGGG                               |                     |                      | 191                     | 24                     |
| 2720-07360        | 00000/0000                   | 2-20038/1308              | 01/11/77         | 30             | 34              | 4729N 03519E                              | 14.7         | 148.8        | GGGG                               |                     |                      | 191                     | 27                     |
| 2720-07362        | 00000/0000                   | 2-20038/1309              | 01/11/77         | 80             | 34              | 4604N 03443E                              | 15.8         | 148.2        | FGGG                               |                     |                      | 191                     | 28                     |
| 2720-07365        | 00000/0000                   | 2-20038/1310              | 01/11/77         | 20             | 34              | 4438N 03409E                              | 16.8         | 147.6        | PGFG                               |                     |                      | 191                     | 29                     |
| 2720-14325        | 00000/0000                   | 2-20038/0564              | 01/11/77         | 90             | 38              | 3479N 07235W                              | 23.9         | 143.0        | GGGG                               |                     |                      | 12                      | 38                     |
| 2720-14331        | 00000/0000                   | 2-20038/0565              | 01/11/77         | 90             | 38              | 3313N 07301W                              | 24.8         | 142.4        | GGGG                               |                     |                      | 12                      | 37                     |
| 2720-14334        | 00000/0000                   | 2-20038/0566              | 01/11/77         | 80             | 38              | 3146N 07326W                              | 25.8         | 141.7        | GGGG                               |                     |                      | 12                      | 32                     |
| 2720-14340        | 00000/0000                   | 2-20038/0567              | 01/11/77         | 80             | 38              | 3020N 07351W                              | 26.8         | 141.0        | GGGG                               |                     |                      | 12                      | 39                     |
| 2720-14343        | 00000/0000                   | 2-20038/0568              | 01/11/77         | 70             | 38              | 2854N 07415W                              | 27.7         | 140.2        | GGGG                               |                     |                      | 12                      | 40                     |
| 2720-14345        | 00000/0000                   | 2-20038/0569              | 01/11/77         | 60             | 38              | 2727N 07439W                              | 28.6         | 139.5        | GGGG                               |                     |                      | 12                      | 41                     |
| 2720-14352        | 00000/0000                   | 2-20038/0572              | 01/11/77         | 60             | 38              | 2611N 07502W                              | 29.6         | 138.7        | GF                                 |                     |                      | 12                      | 42                     |
| 2720-14354        | 00000/0000                   | 2-20038/0570              | 01/11/77         | 50             | 38              | 2475N 07525W                              | 30.5         | 138.0        | GGFG                               |                     |                      | 12                      | 43                     |
| 2720-14351        | 00000/0000                   | 2-20038/0571              | 01/11/77         | 40             | 38              | 2308N 07548W                              | 31.4         | 137.2        | GGFG                               |                     |                      | 12                      | 44                     |
| 2721-02354        | 00000/0000                   | 2-20038/1377              | 01/12/77         | 10             | 45              | 3439N 10642E                              | 23.9         | 142.9        | G                                  |                     |                      | 138                     | 36                     |
| 2721-02360        | 00000/0000                   | 2-20038/1365              | 01/12/77         | 90             | 45              | 3313N 10616E                              | 24.9         | 142.3        | GGGG                               |                     |                      | 138                     | 37                     |
| 2721-02363        | 00000/0000                   | 2-20038/1366              | 01/12/77         | 60             | 45              | 3147N 10551E                              | 25.8         | 141.6        | GGGG                               |                     |                      | 138                     | 38                     |
| 2721-02365        | 00000/0000                   | 2-20038/1367              | 01/12/77         | 100            | 45              | 3021N 10526E                              | 26.8         | 140.9        | GGGG                               |                     |                      | 138                     | 39                     |
| 2721-02372        | 00000/0000                   | 2-20038/1368              | 01/12/77         | 100            | 45              | 2855N 10502E                              | 27.7         | 140.1        | GGGG                               |                     |                      | 138                     | 40                     |
| 2721-02374        | 00000/0000                   | 2-20038/1369              | 01/12/77         | 100            | 45              | 2729N 10438E                              | 28.7         | 139.4        | GGGG                               |                     |                      | 138                     | 41                     |
| 2721-02381        | 00000/0000                   | 2-20038/1370              | 01/12/77         | 100            | 45              | 2612N 10414E                              | 29.6         | 138.6        | GGGG                               |                     |                      | 138                     | 42                     |
| 2721-02383        | 00000/0000                   | 2-20038/1371              | 01/12/77         | 90             | 45              | 2436N 10351E                              | 30.5         | 137.9        | GGGG                               |                     |                      | 138                     | 43                     |
| 2721-02390        | 00000/0000                   | 2-20038/1372              | 01/12/77         | 40             | 45              | 2310N 10329E                              | 31.4         | 137.0        | GGGG                               |                     |                      | 138                     | 44                     |
| 2721-04135        | 00000/0000                   | 2-20038/0961              | 01/12/77         | 70             | 46              | 5145N 08727E                              | 11.7         | 150.7        | GGFG                               |                     |                      | 156                     | 24                     |
| 2721-04142        | 00000/0000                   | 2-20038/0962              | 01/12/77         | 10             | 46              | 5020N 08646E                              | 12.7         | 150.0        | GGGG                               |                     |                      | 156                     | 25                     |
| 2721-04144        | 00000/0000                   | 2-20038/0963              | 01/12/77         | 30             | 46              | 4535N 08607E                              | 13.8         | 149.3        | FGGG                               |                     |                      | 156                     | 26                     |
| 2721-04151        | 00000/0000                   | 2-20038/0964              | 01/12/77         | 20             | 46              | 4730N 08530E                              | 14.8         | 148.7        | FGGG                               |                     |                      | 156                     | 27                     |
| 2721-04153        | 00000/0000                   | 2-20038/0965              | 01/12/77         | 60             | 46              | 4605N 08455E                              | 15.8         | 148.1        | FGGG                               |                     |                      | 156                     | 28                     |
| 2721-04160        | 00000/0000                   | 2-20038/0966              | 01/12/77         | 90             | 46              | 4440N 08421E                              | 16.9         | 147.4        | GGGG                               |                     |                      | 156                     | 29                     |
| 2721-04162        | 00000/0000                   | 2-20038/0967              | 01/12/77         | 30             | 46              | 4315N 08348E                              | 17.9         | 146.8        | GGGG                               |                     |                      | 156                     | 30                     |
| 2721-04165        | 00000/0000                   | 2-20038/0968              | 01/12/77         | 40             | 46              | 4149N 08317E                              | 18.9         | 146.2        | FGGG                               |                     |                      | 156                     | 31                     |
| 2721-04171        | 00000/0000                   | 2-20038/0969              | 01/12/77         | 50             | 46              | 4023N 08246E                              | 19.9         | 145.5        | FGFG                               |                     |                      | 156                     | 32                     |
| 2721-04174        | 00000/0000                   | 2-20038/0970              | 01/12/77         | 70             | 46              | 3857N 08216E                              | 20.9         | 144.9        | FGGG                               |                     |                      | 156                     | 33                     |
| 2721-04180        | 00000/0000                   | 2-20038/0971              | 01/12/77         | 90             | 46              | 3731N 08148E                              | 21.9         | 144.3        | GGGG                               |                     |                      | 156                     | 34                     |
| 2721-04183        | 00000/0000                   | 2-20038/0972              | 01/12/77         | 90             | 46              | 3605N 08121E                              | 22.9         | 143.6        | GGGG                               |                     |                      | 156                     | 35                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=18% GAIN, H=HIGH GAIN

02144 APR 28, 177

LANDSAT-2  
OBSERVATION ID LISTING  
FOR N4N-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | RAII NR./<br>IN RAIL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SBRIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SBRIT<br>PATH<br>NUMBER | FRAME<br>RBV<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
|                   |                              |                             |                  |                |                 |                              |               |              |              | 123 45678             |                     |                      |                         |                        |
| 2721-04185        | 00000/0000                   | 2-2003R/0973                | 01/12/77         | 50             | 46              | 3429N                        | 08054E        | 23.9         | 142.9        | GGGG                  |                     |                      | 156                     | 36                     |
| 2721-04192        | 00000/0000                   | 2-2003R/0974                | 01/12/77         | 50             | 46              | 3313N                        | 08028E        | 24.9         | 142.3        | GGGG                  |                     |                      | 156                     | 37                     |
| 2721-04194        | 00000/0000                   | 2-2003R/0975                | 01/12/77         | 30             | 46              | 3147N                        | 08003E        | 25.9         | 141.6        | FGGG                  |                     |                      | 156                     | 38                     |
| 2721-04201        | 00000/0000                   | 2-2003R/0976                | 01/12/77         | 30             | 46              | 3021N                        | 07938E        | 26.8         | 140.8        | GGGG                  |                     |                      | 156                     | 39                     |
| 2721-04203        | 00000/0000                   | 2-2003R/0977                | 01/12/77         | 20             | 46              | 2855N                        | 07913E        | 27.7         | 140.1        | FGGG                  |                     |                      | 156                     | 40                     |
| 2721-04210        | 00000/0000                   | 2-2003R/0978                | 01/12/77         | 20             | 46              | 2728N                        | 07850E        | 28.7         | 139.4        | GGGG                  |                     |                      | 156                     | 41                     |
| 2721-04212        | 00000/0000                   | 2-2003R/0979                | 01/12/77         | 40             | 46              | 2602N                        | 07826E        | 29.6         | 138.6        | FGGG                  |                     |                      | 156                     | 42                     |
| 2721-04215        | 00000/0000                   | 2-2003R/0980                | 01/12/77         | 20             | 46              | 2435N                        | 07803E        | 30.5         | 137.8        | GGFG                  |                     |                      | 156                     | 43                     |
| 2721-04221        | 00000/0000                   | 2-2003R/0981                | 01/12/77         | 10             | 46              | 2309N                        | 07740E        | 31.4         | 137.0        | FGGG                  |                     |                      | 156                     | 44                     |
| 2721-04224        | 00000/0000                   | 2-2003R/0982                | 01/12/77         | 10             | 46              | 2142N                        | 07718E        | 32.3         | 136.2        | GGGG                  |                     |                      | 156                     | 45                     |
| 2721-04230        | 00000/0000                   | 2-2003R/0983                | 01/12/77         | 0              | 46              | 2015N                        | 07657E        | 33.1         | 135.3        | GGGG                  |                     |                      | 156                     | 46                     |
| 2721-04233        | 00000/0000                   | 2-2003R/0984                | 01/12/77         | 0              | 46              | 1849N                        | 07636E        | 34.0         | 134.5        | GGGG                  |                     |                      | 156                     | 47                     |
| 2721-04235        | 00000/0000                   | 2-2003R/0985                | 01/12/77         | 0              | 46              | 1723N                        | 07614E        | 34.8         | 133.6        | GFGG                  |                     |                      | 156                     | 48                     |
| 2721-04242        | 00000/0000                   | 2-2003R/0986                | 01/12/77         | 0              | 46              | 1556N                        | 07553E        | 35.6         | 132.6        | GGFF                  |                     |                      | 156                     | 49                     |
| 2721-04244        | 00000/0000                   | 2-2003R/0987                | 01/12/77         | 0              | 46              | 1429N                        | 07531E        | 36.4         | 131.7        | GGGG                  |                     |                      | 156                     | 50                     |
| 2721-04251        | 00000/0000                   | 2-2003R/0988                | 01/12/77         | 10             | 46              | 1303N                        | 07510E        | 37.2         | 130.7        | FGGG                  |                     |                      | 156                     | 51                     |
| 2721-04253        | 00000/0000                   | 2-2003R/0989                | 01/12/77         | 30             | 46              | 1137N                        | 07450E        | 38.0         | 129.7        | GGGF                  |                     |                      | 156                     | 52                     |
| 2721-05562        | 00000/0000                   | 2-2003R/0990                | 01/12/77         | 80             | 47              | 5433N                        | 06306E        | 9.6          | 152.0        | GGGG                  |                     |                      | 174                     | 22                     |
| 2721-05564        | 00000/0000                   | 2-2003R/0991                | 01/12/77         | 80             | 47              | 5309N                        | 06220E        | 10.6         | 151.3        | GGGG                  |                     |                      | 174                     | 23                     |
| 2721-05571        | 00000/0000                   | 2-2003R/0992                | 01/12/77         | 70             | 47              | 5144N                        | 06137E        | 11.7         | 150.6        | GFGR                  |                     |                      | 174                     | 24                     |
| 2721-05573        | 00000/0000                   | 2-2003R/0993                | 01/12/77         | 60             | 47              | 5020N                        | 06057E        | 12.7         | 150.0        | GFGG                  |                     |                      | 174                     | 25                     |
| 2721-05580        | 00000/0000                   | 2-2003R/0994                | 01/12/77         | 30             | 47              | 4855N                        | 06018E        | 13.8         | 149.3        | GGGG                  |                     |                      | 174                     | 26                     |
| 2721-05582        | 00000/0000                   | 2-2003R/0995                | 01/12/77         | 40             | 47              | 4730N                        | 05941E        | 14.8         | 148.7        | GGGG                  |                     |                      | 174                     | 27                     |
| 2721-05585        | 00000/0000                   | 2-2003R/0996                | 01/12/77         | 30             | 47              | 4604N                        | 05905E        | 15.9         | 148.0        | GGGG                  |                     |                      | 174                     | 28                     |
| 2721-05591        | 00000/0000                   | 2-2003R/0997                | 01/12/77         | 20             | 47              | 4439N                        | 05831E        | 16.9         | 147.4        | FFFG                  |                     |                      | 174                     | 29                     |
| 2721-05594        | 00000/0000                   | 2-2003R/0998                | 01/12/77         | 10             | 47              | 4313N                        | 05759E        | 17.9         | 146.8        | GGGG                  |                     |                      | 174                     | 30                     |
| 2721-06000        | 00000/0000                   | 2-2003R/0999                | 01/12/77         | 100            | 47              | 4148N                        | 05727E        | 18.9         | 146.2        | GGGG                  |                     |                      | 174                     | 31                     |
| 2721-06003        | 00000/0000                   | 2-2003R/1000                | 01/12/77         | 90             | 47              | 4022N                        | 05657E        | 19.9         | 145.5        | GGGG                  |                     |                      | 174                     | 32                     |
| 2721-06005        | 00000/0000                   | 2-2003R/1001                | 01/12/77         | 80             | 47              | 3857N                        | 05628E        | 21.0         | 144.9        | GGGG                  |                     |                      | 174                     | 33                     |
| 2721-06012        | 00000/0000                   | 2-2003R/1002                | 01/12/77         | 40             | 47              | 3731N                        | 05600E        | 22.0         | 144.2        | GGGG                  |                     |                      | 174                     | 34                     |
| 2721-06014        | 00000/0000                   | 2-2003R/1003                | 01/12/77         | 50             | 47              | 3605N                        | 05532E        | 22.9         | 143.6        | GGGG                  |                     |                      | 174                     | 35                     |
| 2721-06021        | 00000/0000                   | 2-2003R/1004                | 01/12/77         | 90             | 47              | 3439N                        | 05505E        | 23.9         | 142.9        | GGGG                  |                     |                      | 174                     | 36                     |
| 2721-06023        | 00000/0000                   | 2-2003R/1005                | 01/12/77         | 100            | 47              | 3313N                        | 05439E        | 24.9         | 142.2        | GGGG                  |                     |                      | 174                     | 37                     |
| 2721-07412        | 00000/0000                   | 2-2003R/1373                | 01/12/77         | 20             | 48              | 4854N                        | 03427E        | 13.8         | 149.3        | FGGG                  |                     |                      | 192                     | 26                     |
| 2721-07414        | 00000/0000                   | 2-2003R/1374                | 01/12/77         | 30             | 48              | 4729N                        | 03351E        | 14.8         | 148.7        | GGGG                  |                     |                      | 192                     | 27                     |
| 2721-07421        | 00000/0000                   | 2-2003R/1375                | 01/12/77         | 50             | 48              | 4604N                        | 03315E        | 15.9         | 148.0        | GGGG                  |                     |                      | 192                     | 28                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NMN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM POSITION RBV | ROLL NO. IN ROLL MSS | DATE ACQUIRED | CLOUD COVER | SBBIT NUMBER | PRINCIPAL OF IMAGE LAT | PRINT LONG | SUN ELEV. | SUN AZIM. | IMAGE-QUAL RBV MSS 123 45678 | MSS DATA MODE | MSS IMAGE GAIN | SBBIT PATH NUMBER | FRAME ROW NUMBER |
|----------------|------------------------|----------------------|---------------|-------------|--------------|------------------------|------------|-----------|-----------|------------------------------|---------------|----------------|-------------------|------------------|
| 2721-07423     | 00000/0000             | 2-20038/1376         | 01/12/77      | 30          | 48           | 4438N                  | 03241E     | 16.9      | 147.4     | FGGF                         |               |                | 152               | 29               |
| 2721-14342     | 00000/0000             | 2-20038/1293         | 01/12/77      | 30          | 52           | 4856N                  | 04447W     | 13.8      | 149.3     | GGGG                         |               |                | 13                | 21               |
| 2721-14394     | 00000/0000             | 2-20038/1294         | 01/12/77      | 80          | 52           | 3021N                  | 07518W     | 26.8      | 140.8     | GGGG                         |               |                | 13                | 38               |
| 2721-14401     | 00000/0000             | 2-20038/1295         | 01/12/77      | 70          | 52           | 2855N                  | 07540W     | 27.8      | 140.0     | GFGG                         |               |                | 13                | 40               |
| 2721-14403     | 00000/0000             | 2-20038/1298         | 01/12/77      | 30          | 52           | 2729N                  | 07404W     | 28.7      | 139.3     | GG                           | H             |                | 13                | 41               |
| 2721-14410     | 00000/0000             | 2-20038/1296         | 01/12/77      | 30          | 52           | 2602N                  | 07427W     | 29.6      | 138.5     | GGGG                         | H             |                | 13                | 42               |
| 2721-14412     | 00000/0000             | 2-20038/1297         | 01/12/77      | 40          | 52           | 2436N                  | 07450W     | 30.5      | 137.7     | GGFG                         | H             |                | 13                | 43               |
| 2722-02400     | 00000/0000             | 2-20038/1467         | 01/13/77      | 10          | 59           | 3857N                  | 10638E     | 21.0      | 144.7     | F                            |               |                | 139               | 33               |
| 2722-02403     | 00000/0000             | 2-20038/1468         | 01/13/77      | 60          | 59           | 3732N                  | 10610E     | 22.0      | 144.1     | GGGG                         |               |                | 139               | 34               |
| 2722-02405     | 00000/0000             | 2-20038/1469         | 01/13/77      | 70          | 59           | 3606N                  | 10543E     | 23.0      | 143.4     | GGGG                         |               |                | 139               | 35               |
| 2722-02412     | 00000/0000             | 2-20038/1470         | 01/13/77      | 80          | 59           | 3440N                  | 10516E     | 24.0      | 142.8     | GGGG                         |               |                | 139               | 36               |
| 2722-02414     | 00000/0000             | 2-20038/1471         | 01/13/77      | 80          | 59           | 3314N                  | 10450E     | 25.0      | 142.1     | GGGG                         |               |                | 139               | 37               |
| 2722-02421     | 00000/0000             | 2-20038/1472         | 01/13/77      | 80          | 59           | 3148N                  | 10424E     | 25.9      | 141.4     | GGGG                         |               |                | 139               | 38               |
| 2722-02423     | 00000/0000             | 2-20038/1473         | 01/13/77      | 90          | 59           | 3021N                  | 10359E     | 26.9      | 140.7     | GGGG                         |               |                | 139               | 39               |
| 2722-02430     | 00000/0000             | 2-20038/1474         | 01/13/77      | 90          | 59           | 2855N                  | 10335E     | 27.8      | 139.9     | GGGG                         |               |                | 139               | 40               |
| 2722-02432     | 00000/0000             | 2-20038/1475         | 01/13/77      | 90          | 59           | 2729N                  | 10311E     | 28.7      | 139.2     | GGGG                         |               |                | 139               | 41               |
| 2722-02435     | 00000/0000             | 2-20038/1476         | 01/13/77      | 70          | 59           | 2602N                  | 10248E     | 29.7      | 138.4     | GGGG                         |               |                | 139               | 42               |
| 2722-02441     | 00000/0000             | 2-20038/1477         | 01/13/77      | 70          | 59           | 2436N                  | 10225E     | 30.6      | 137.6     | GGGG                         |               |                | 139               | 43               |
| 2722-04191     | 00000/0000             | 2-20038/1312         | 01/13/77      | 10          | 60           | 5310N                  | 08644E     | 10.8      | 151.2     | GG G                         |               |                | 157               | 23               |
| 2722-04194     | 00000/0000             | 2-20038/1313         | 01/13/77      | 10          | 60           | 5145N                  | 08600E     | 11.8      | 150.5     | GG G                         |               |                | 157               | 24               |
| 2722-04200     | 00000/0000             | 2-20038/1314         | 01/13/77      | 10          | 60           | 5021N                  | 08520E     | 12.9      | 149.8     | FGFG                         |               |                | 157               | 25               |
| 2722-04203     | 00000/0000             | 2-20038/1315         | 01/13/77      | 20          | 60           | 4855N                  | 08441E     | 13.9      | 149.2     | GGGG                         |               |                | 157               | 26               |
| 2722-04205     | 00000/0000             | 2-20038/1316         | 01/13/77      | 20          | 60           | 4730N                  | 08404E     | 14.9      | 148.5     | GF G                         |               |                | 157               | 27               |
| 2722-04212     | 00000/0000             | 2-20038/1317         | 01/13/77      | 20          | 60           | 4605N                  | 08328E     | 16.0      | 147.9     | GGGG                         |               |                | 157               | 28               |
| 2722-04214     | 00000/0000             | 2-20038/1318         | 01/13/77      | 30          | 60           | 4440N                  | 08254E     | 17.0      | 147.3     | GGGG                         |               |                | 157               | 29               |
| 2722-04221     | 00000/0000             | 2-20038/1319         | 01/13/77      | 10          | 60           | 4314N                  | 08221E     | 18.0      | 146.6     | GGGF                         |               |                | 157               | 30               |
| 2722-04223     | 00000/0000             | 2-20038/1320         | 01/13/77      | 10          | 60           | 4149N                  | 08150E     | 19.0      | 146.0     | GGG                          |               |                | 157               | 31               |
| 2722-04230     | 00000/0000             | 2-20038/1321         | 01/13/77      | 20          | 60           | 4023N                  | 08120E     | 20.0      | 145.4     | GGGG                         |               |                | 157               | 32               |
| 2722-04232     | 00000/0000             | 2-20038/1322         | 01/13/77      | 10          | 60           | 3857N                  | 08050E     | 21.0      | 144.7     | GGGG                         |               |                | 157               | 33               |
| 2722-04235     | 00000/0000             | 2-20038/1323         | 01/13/77      | 0           | 60           | 3731N                  | 08022E     | 22.0      | 144.1     | GGGG                         |               |                | 157               | 34               |
| 2722-04241     | 00000/0000             | 2-20038/1324         | 01/13/77      | 0           | 60           | 3605N                  | 07954E     | 23.0      | 143.4     | GGGG                         |               |                | 157               | 35               |
| 2722-04244     | 00000/0000             | 2-20038/1325         | 01/13/77      | 0           | 60           | 3439N                  | 07927E     | 24.0      | 142.7     | GGGG                         |               |                | 157               | 36               |
| 2722-04250     | 00000/0000             | 2-20038/1326         | 01/13/77      | 0           | 60           | 3313N                  | 07901E     | 25.0      | 142.1     | GGGG                         |               |                | 157               | 37               |
| 2722-04253     | 00000/0000             | 2-20038/1327         | 01/13/77      | 0           | 60           | 3147N                  | 07836E     | 25.9      | 141.4     | GGGG                         |               |                | 157               | 38               |
| 2722-04255     | 00000/0000             | 2-20038/1328         | 01/13/77      | 0           | 60           | 3020N                  | 07811E     | 26.9      | 140.6     | GGGG                         |               |                | 157               | 39               |
| 2722-04262     | 00000/0000             | 2-20038/1329         | 01/13/77      | 10          | 60           | 2854N                  | 07746E     | 27.8      | 139.9     | GGGG                         |               |                | 157               | 40               |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
OBSERVATION ID LISTING  
FOR N9N-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV | QUAL<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|-----------------------|--------------|--------------|-------------------|-------------|---------------------|----------------------|-------------------------|------------------------|
| 2722-04264        | 00000/0000 2-2003R/1330                        | 01/13/77         | 10                    | 60           | 2728N        | 07723E            | 28.8        | 139.2               | GGGG                 | 157                     | 41                     |
| 2722-04271        | 00000/0000 2-2003R/1331                        | 01/13/77         | 10                    | 60           | 2641N        | 07659E            | 29.7        | 138.4               | GGGG                 | 157                     | 42                     |
| 2722-04273        | 00000/0000 2-2003R/1332                        | 01/13/77         | 10                    | 60           | 2445N        | 07636E            | 30.6        | 137.6               | GGGG                 | 157                     | 43                     |
| 2722-04280        | 00000/0000 2-2003R/1333                        | 01/13/77         | 0                     | 60           | 2308N        | 07613E            | 31.5        | 136.8               | GGGG                 | 157                     | 44                     |
| 2722-04282        | 00000/0000 2-2003R/1334                        | 01/13/77         | 0                     | 60           | 2142N        | 07551E            | 32.3        | 136.0               | GGGF                 | 157                     | 45                     |
| 2722-04285        | 00000/0000 2-2003R/1335                        | 01/13/77         | 10                    | 60           | 2015N        | 07530E            | 33.2        | 135.1               | FFGG                 | 157                     | 46                     |
| 2722-04291        | 00000/0000 2-2003R/1336                        | 01/13/77         | 0                     | 60           | 1849N        | 07503E            | 34.0        | 134.2               | FF F                 | 157                     | 47                     |
| 2722-04294        | 00000/0000 2-2003R/1337                        | 01/13/77         | 0                     | 60           | 1722N        | 07447E            | 34.9        | 133.3               | GGGG                 | 157                     | 48                     |
| 2722-04300        | 00000/0000 2-2003R/1338                        | 01/13/77         | 0                     | 60           | 1545N        | 07426E            | 35.7        | 132.4               | FGFG                 | 157                     | 49                     |
| 2722-04303        | 00000/0000 2-2003R/1339                        | 01/13/77         | 10                    | 60           | 1429N        | 07405E            | 36.5        | 131.4               | GGFG                 | 157                     | 50                     |
| 2722-06020        | 00000/0000 2-2003R/1340                        | 01/13/77         | 20                    | 61           | 5434N        | 06139E            | 9.7         | 151.9               | GGGG                 | 175                     | 22                     |
| 2722-06034        | 00000/0000 2-2003R/1311                        | 01/13/77         | 70                    | 61           | 4845N        | 05451E            | 13.9        | 149.2               | G FF                 | 175                     | 26                     |
| 2722-06041        | 00000/0000 2-2003R/1341                        | 01/13/77         | 30                    | 61           | 4730N        | 05414E            | 14.9        | 148.5               | FGGF                 | 175                     | 27                     |
| 2722-06043        | 00000/0000 2-2003R/1342                        | 01/13/77         | 10                    | 61           | 4605N        | 05739E            | 16.0        | 147.9               | GGGF                 | 175                     | 28                     |
| 2722-06050        | 00000/0000 2-2003R/1343                        | 01/13/77         | 20                    | 61           | 4439N        | 05705E            | 17.0        | 147.3               | GGGF                 | 175                     | 29                     |
| 2722-06052        | 00000/0000 2-2003R/1344                        | 01/13/77         | 40                    | 61           | 4314N        | 05632E            | 18.0        | 146.6               | FGGG                 | 175                     | 30                     |
| 2722-06055        | 00000/0000 2-2003R/1345                        | 01/13/77         | 60                    | 61           | 4148N        | 05601E            | 19.0        | 146.0               | FGGG                 | 175                     | 31                     |
| 2722-06061        | 00000/0000 2-2003R/1346                        | 01/13/77         | 80                    | 61           | 4023N        | 05531E            | 20.1        | 145.3               | GGGG                 | 175                     | 32                     |
| 2722-06064        | 00000/0000 2-2003R/1347                        | 01/13/77         | 80                    | 61           | 3857N        | 05502E            | 21.1        | 144.7               | GGGG                 | 175                     | 33                     |
| 2722-06070        | 00000/0000 2-2003R/1348                        | 01/13/77         | 80                    | 61           | 3731N        | 05433E            | 22.0        | 144.1               | GGGG                 | 175                     | 34                     |
| 2722-06073        | 00000/0000 2-2003R/1349                        | 01/13/77         | 50                    | 61           | 3605N        | 05406E            | 23.0        | 143.4               | GGGG                 | 175                     | 35                     |
| 2722-07463        | 00000/0000 2-2003R/1478                        | 01/13/77         | 60                    | 62           | 5019N        | 03341E            | 12.9        | 149.8               | GGGG                 | 193                     | 25                     |
| 2722-07470        | 00000/0000 2-2003R/1479                        | 01/13/77         | 70                    | 62           | 4845N        | 03303E            | 13.9        | 149.2               | GGGG                 | 193                     | 26                     |
| 2722-07472        | 00000/0000 2-2003R/1480                        | 01/13/77         | 70                    | 62           | 4729N        | 03225E            | 15.0        | 148.5               | GGGG                 | 193                     | 27                     |
| 2722-07475        | 00000/0000 2-2003R/1481                        | 01/13/77         | 80                    | 62           | 4604N        | 03149E            | 16.0        | 147.9               | GGGG                 | 193                     | 28                     |
| 2722-14464        | 00000/0000 2-2003R/1351                        | 01/13/77         | 30                    | 66           | 2602N        | 07754W            | 29.7        | 138.3               | GG                   | 14                      | 42                     |
| 2722-14471        | 00000/0000 2-2003R/1350                        | 01/13/77         | 30                    | 66           | 2436N        | 07416W            | 30.6        | 137.5               | GGGG                 | 14                      | 43                     |
| 2722-16223        | 00000/0000 2-2003R/1360                        | 01/13/77         | 40                    | 67           | 5144N        | 09445W            | 11.9        | 150.4               | GG G                 | 32                      | 24                     |
| 2722-16225        | 00000/0000 2-2003R/1361                        | 01/13/77         | 70                    | 67           | 5020N        | 09425W            | 12.9        | 149.8               | GGFG                 | 32                      | 25                     |
| 2722-18052        | 00000/0000 2-2003R/1362                        | 01/13/77         | 90                    | 68           | 5310N        | 11948W            | 10.8        | 151.1               | GGFG                 | 50                      | 23                     |
| 2722-18054        | 00000/0000 2-2003R/1363                        | 01/13/77         | 90                    | 68           | 5145N        | 12031W            | 11.9        | 150.4               | GGGG                 | 50                      | 24                     |
| 2722-18061        | 00000/0000 2-2003R/1364                        | 01/13/77         | 40                    | 68           | 5021N        | 12112W            | 12.9        | 149.7               | GGGG                 | 50                      | 25                     |
| 2723-02461        | 00000/0000 2-2003R/1352                        | 01/14/77         | 10                    | 73           | 3732N        | 10445E            | 22.1        | 143.9               | GGGG                 | 140                     | 34                     |
| 2723-02475        | 00000/0000 2-2003R/1353                        | 01/14/77         | 10                    | 73           | 3148N        | 10258E            | 26.0        | 141.2               | GGGG                 | 140                     | 38                     |
| 2723-04243        | 00000/0000 2-2003R/1380                        | 01/14/77         | 40                    | 74           | 5434N        | 08403E            | 9.8         | 151.8               | GGGG                 | 158                     | 22                     |
| 2723-04245        | 00000/0000 2-2003R/1381                        | 01/14/77         | 10                    | 74           | 5309N        | 08517E            | 10.9        | 151.0               | GGGG                 | 158                     | 23                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

0214# APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROL<br>POSITION IN ROL<br>RBV | NO.<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUNBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|-----------------------------------------|----------------------|------------------|----------------|------------------|------------------------------------|-------------------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2723-04252        | 00000/0000                              | 2-2003R/1382         | 01/14/77         | 20             | 74               | 5145N                              | 08434E                              | 11.9         | 150.4        | FFGG                  |                     |                      | 158                     | 24                     |
| 2723-04254        | 00000/0000                              | 2-2003R/1383         | 01/14/77         | 30             | 74               | 5070N                              | 08353E                              | 13.0         | 149.7        | FGGG                  |                     |                      | 158                     | 25                     |
| 2723-04261        | 00000/0000                              | 2-2003R/1384         | 01/14/77         | 40             | 74               | 4855N                              | 08214E                              | 14.0         | 149.0        | GGGG                  |                     |                      | 158                     | 26                     |
| 2723-04263        | 00000/0000                              | 2-2003R/1385         | 01/14/77         | 10             | 74               | 4730N                              | 08237E                              | 15.1         | 148.4        | GGG                   |                     |                      | 158                     | 27                     |
| 2723-04270        | 00000/0000                              | 2-2003R/1386         | 01/14/77         | 0              | 74               | 4605N                              | 08201E                              | 16.1         | 147.7        | GGGG                  |                     |                      | 158                     | 28                     |
| 2723-04272        | 00000/0000                              | 2-2003R/1387         | 01/14/77         | 10             | 74               | 4440N                              | 08428E                              | 17.1         | 147.1        | GGGG                  |                     |                      | 158                     | 29                     |
| 2723-04275        | 00000/0000                              | 2-2003R/1388         | 01/14/77         | 10             | 74               | 4314N                              | 08055E                              | 18.1         | 146.5        | GGGG                  |                     |                      | 158                     | 30                     |
| 2723-04281        | 00000/0000                              | 2-2003R/1389         | 01/14/77         | 30             | 74               | 4149N                              | 08024E                              | 19.1         | 145.8        | GGGG                  |                     |                      | 158                     | 31                     |
| 2723-04284        | 00000/0000                              | 2-2003R/1390         | 01/14/77         | 10             | 74               | 4023N                              | 07954E                              | 20.1         | 145.2        | FFGF                  |                     |                      | 158                     | 32                     |
| 2723-04290        | 00000/0000                              | 2-2003R/1391         | 01/14/77         | 60             | 74               | 3857N                              | 07924E                              | 21.1         | 144.5        | FF G                  |                     |                      | 158                     | 33                     |
| 2723-04293        | 00000/0000                              | 2-2003R/1392         | 01/14/77         | 70             | 74               | 3731N                              | 07856E                              | 22.1         | 143.9        | FG G                  |                     |                      | 158                     | 34                     |
| 2723-04295        | 00000/0000                              | 2-2003R/1393         | 01/14/77         | 90             | 74               | 3605N                              | 07829E                              | 23.1         | 143.2        | GGGG                  |                     |                      | 158                     | 35                     |
| 2723-04302        | 00000/0000                              | 2-2003R/1394         | 01/14/77         | 90             | 74               | 3439N                              | 07802E                              | 24.1         | 142.5        | GGGG                  |                     |                      | 158                     | 36                     |
| 2723-04304        | 00000/0000                              | 2-2003R/1395         | 01/14/77         | 90             | 74               | 3313N                              | 07736E                              | 25.1         | 141.9        | FGGG                  |                     |                      | 158                     | 37                     |
| 2723-04311        | 00000/0000                              | 2-2003R/1396         | 01/14/77         | 90             | 74               | 3147N                              | 07710E                              | 26.0         | 141.2        | GGGG                  |                     |                      | 158                     | 38                     |
| 2723-04313        | 00000/0000                              | 2-2003R/1397         | 01/14/77         | 80             | 74               | 3021N                              | 07645E                              | 27.0         | 140.4        | G G                   |                     |                      | 158                     | 39                     |
| 2723-04320        | 00000/0000                              | 2-2003R/1398         | 01/14/77         | 70             | 74               | 2855N                              | 07621E                              | 27.9         | 139.7        | G GG                  |                     |                      | 158                     | 40                     |
| 2723-04322        | 00000/0000                              | 2-2003R/1413         | 01/14/77         | 40             | 74               | 2728N                              | 07557E                              | 28.8         | 139.0        | GG                    |                     |                      | 158                     | 41                     |
| 2723-04325        | 00000/0000                              | 2-2003R/1397         | 01/14/77         | 20             | 74               | 2602N                              | 07534E                              | 29.7         | 138.2        | GGG                   |                     |                      | 158                     | 42                     |
| 2723-04331        | 00000/0000                              | 2-2003R/1398         | 01/14/77         | 10             | 74               | 2436N                              | 07511E                              | 30.6         | 137.4        | GGG                   |                     |                      | 158                     | 43                     |
| 2723-04334        | 00000/0000                              | 2-2003R/1399         | 01/14/77         | 30             | 74               | 2309N                              | 07449E                              | 31.5         | 136.6        | GGGG                  |                     |                      | 158                     | 44                     |
| 2723-04340        | 00000/0000                              | 2-2003R/1400         | 01/14/77         | 20             | 74               | 2142N                              | 07426E                              | 32.4         | 135.8        | GGGG                  |                     |                      | 158                     | 45                     |
| 2723-04343        | 00000/0000                              | 2-2003R/1401         | 01/14/77         | 10             | 74               | 2016N                              | 07404E                              | 33.2         | 134.9        | FGGG                  |                     |                      | 158                     | 46                     |
| 2723-04345        | 00000/0000                              | 2-2003R/1402         | 01/14/77         | 10             | 74               | 1849N                              | 07343E                              | 34.1         | 134.0        | FFFF                  |                     |                      | 158                     | 47                     |
| 2723-04352        | 00000/0000                              | 2-2003R/1354         | 01/14/77         | 10             | 74               | 1723N                              | 07322E                              | 34.9         | 133.1        | GGGG                  |                     |                      | 158                     | 48                     |
| 2723-06074        | 00000/0000                              | 2-2003R/1403         | 01/14/77         | 90             | 75               | 5433N                              | 06015E                              | 9.9          | 151.7        | FFGG                  |                     |                      | 176                     | 22                     |
| 2723-06081        | 00000/0000                              | 2-2003R/1404         | 01/14/77         | 30             | 75               | 5308N                              | 05929E                              | 10.9         | 151.0        | GGGG                  |                     |                      | 176                     | 23                     |
| 2723-06083        | 00000/0000                              | 2-2003R/1405         | 01/14/77         | 10             | 75               | 5144N                              | 05846E                              | 12.0         | 150.3        | FGGG                  |                     |                      | 176                     | 24                     |
| 2723-06090        | 00000/0000                              | 2-2003R/1406         | 01/14/77         | 10             | 75               | 5019N                              | 05805E                              | 13.0         | 149.7        | FGGF                  |                     |                      | 176                     | 25                     |
| 2723-06092        | 00000/0000                              | 2-2003R/1407         | 01/14/77         | 20             | 75               | 4854N                              | 05726E                              | 14.0         | 149.0        | FGGF                  |                     |                      | 176                     | 26                     |
| 2723-06095        | 00000/0000                              | 2-2003R/1408         | 01/14/77         | 30             | 75               | 4729N                              | 05649E                              | 15.1         | 148.4        | FGFF                  |                     |                      | 176                     | 27                     |
| 2723-06101        | 00000/0000                              | 2-2003R/1409         | 01/14/77         | 50             | 75               | 4604N                              | 05613E                              | 16.1         | 147.7        | FGGG                  |                     |                      | 176                     | 28                     |
| 2723-06104        | 00000/0000                              | 2-2003R/1410         | 01/14/77         | 40             | 75               | 4439N                              | 05540E                              | 17.1         | 147.1        | GGGG                  |                     |                      | 176                     | 29                     |
| 2723-06110        | 00000/0000                              | 2-2003R/1411         | 01/14/77         | 30             | 75               | 4314N                              | 05507E                              | 18.1         | 146.4        | GGGG                  |                     |                      | 176                     | 30                     |
| 2723-06113        | 00000/0000                              | 2-2003R/1412         | 01/14/77         | 10             | 75               | 4148N                              | 05435E                              | 19.2         | 145.8        | GGGF                  |                     |                      | 176                     | 31                     |
| 2723-07521        | 00000/0000                              | 2-2003R/1355         | 01/14/77         | 20             | 76               | 5019N                              | 03214E                              | 13.0         | 149.7        | GGGG                  |                     |                      | 194                     | 25                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN ORBIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------------|------------------------------------|---------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2723-07524        | 00000/0000                   | 2-20039/1356                | 01/14/77         | 30             | 76                  | 4854N                              | 03135E        | 14.1         | 149.0        | GGGG              |                     |                      | 194                     | 26                     |
| 2723-07530        | 00000/0000                   | 2-20039/1357                | 01/14/77         | 80             | 76                  | 4729N                              | 03058E        | 15.1         | 148.3        | GGGG              |                     |                      | 194                     | 27                     |
| 2723-07533        | 00000/0000                   | 2-20039/1358                | 01/14/77         | 80             | 76                  | 4604N                              | 03023E        | 16.1         | 147.7        | GGGG              |                     |                      | 194                     | 28                     |
| 2724-02515        | 00000/0000                   | 2-20039/1454                | 01/15/77         | 0              | 87                  | 3731N                              | 10319E        | 22.2         | 143.7        | GGGG              |                     |                      | 141                     | 34                     |
| 2724-02522        | 00000/0000                   | 2-20039/1455                | 01/15/77         | 10             | 87                  | 3606N                              | 10251E        | 23.2         | 143.0        | GGGG              |                     |                      | 141                     | 35                     |
| 2724-02551        | 00000/0000                   | 2-20039/1456                | 01/15/77         | 10             | 87                  | 2602N                              | 09956E        | 29.8         | 138.0        | GGGG              |                     |                      | 141                     | 42                     |
| 2724-04303        | 00000/0000                   | 2-20039/0002                | 01/15/77         | 10             | 88                  | 5309N                              | 08350E        | 11.0         | 150.9        | GFGF              |                     |                      | 159                     | 23                     |
| 2724-04310        | 00000/0000                   | 2-20039/0003                | 01/15/77         | 10             | 88                  | 5144N                              | 08307E        | 12.1         | 150.2        | GFGF              |                     |                      | 159                     | 24                     |
| 2724-04312        | 00000/0000                   | 2-20039/0004                | 01/15/77         | 10             | 88                  | 5019N                              | 08227E        | 13.1         | 149.5        | GFGF              |                     |                      | 159                     | 25                     |
| 2724-04315        | 00000/0000                   | 2-20039/0005                | 01/15/77         | 10             | 88                  | 4855N                              | 08148E        | 14.2         | 148.9        | GGGG              |                     |                      | 159                     | 26                     |
| 2724-04321        | 00000/0000                   | 2-20039/0006                | 01/15/77         | 10             | 88                  | 4730N                              | 08111E        | 15.2         | 148.2        | GFGF              |                     |                      | 159                     | 27                     |
| 2724-04324        | 00000/0000                   | 2-20039/0007                | 01/15/77         | 80             | 88                  | 4605N                              | 08035E        | 16.2         | 147.6        | GFGF              |                     |                      | 159                     | 28                     |
| 2724-04330        | 00000/0000                   | 2-20039/0008                | 01/15/77         | 30             | 88                  | 4439N                              | 08002E        | 17.2         | 146.9        | GFGF              |                     |                      | 159                     | 29                     |
| 2724-04333        | 00000/0000                   | 2-20039/0009                | 01/15/77         | 60             | 88                  | 4314N                              | 07929E        | 18.3         | 146.3        | GFGF              |                     |                      | 159                     | 30                     |
| 2724-04335        | 00000/0000                   | 2-20039/0010                | 01/15/77         | 60             | 88                  | 4148N                              | 07858E        | 19.3         | 145.6        | FFGG              |                     |                      | 159                     | 31                     |
| 2724-04342        | 00000/0000                   | 2-20039/0011                | 01/15/77         | 50             | 88                  | 4033N                              | 07827E        | 20.3         | 145.0        | GFGF              |                     |                      | 159                     | 32                     |
| 2724-04344        | 00000/0000                   | 2-20039/0012                | 01/15/77         | 10             | 88                  | 3857N                              | 07758E        | 21.3         | 144.4        | GGGG              |                     |                      | 159                     | 33                     |
| 2724-04351        | 00000/0000                   | 2-20039/0013                | 01/15/77         | 40             | 88                  | 3731N                              | 07730E        | 22.3         | 143.7        | GFGF              |                     |                      | 159                     | 34                     |
| 2724-04353        | 00000/0000                   | 2-20039/0001                | 01/15/77         | 90             | 88                  | 3605N                              | 07703E        | 23.2         | 143.0        | G GG              |                     |                      | 159                     | 35                     |
| 2724-04360        | 00000/0000                   | 2-20039/0014                | 01/15/77         | 20             | 88                  | 3439N                              | 07636E        | 24.2         | 142.4        | GGGG              |                     |                      | 159                     | 36                     |
| 2724-04362        | 00000/0000                   | 2-20039/0015                | 01/15/77         | 10             | 88                  | 3313N                              | 07610E        | 25.2         | 141.7        | GGGG              |                     |                      | 159                     | 37                     |
| 2724-04365        | 00000/0000                   | 2-20039/0016                | 01/15/77         | 10             | 88                  | 3147N                              | 07544E        | 26.1         | 141.0        | GFGF              |                     |                      | 159                     | 38                     |
| 2724-04371        | 00000/0000                   | 2-20039/0017                | 01/15/77         | 0              | 88                  | 3020N                              | 07520E        | 27.1         | 140.2        | FFGG              |                     |                      | 159                     | 39                     |
| 2724-04380        | 00000/0000                   | 2-20039/0018                | 01/15/77         | 0              | 88                  | 2728N                              | 07432E        | 28.9         | 138.7        | GGGG              |                     |                      | 159                     | 41                     |
| 2724-04383        | 00000/0000                   | 2-20039/0019                | 01/15/77         | 0              | 88                  | 2602N                              | 07408E        | 29.8         | 138.0        | GFGF              |                     |                      | 159                     | 42                     |
| 2724-04385        | 00000/0000                   | 2-20039/0020                | 01/15/77         | 0              | 88                  | 2435N                              | 07345E        | 30.7         | 137.2        | GGGG              |                     |                      | 159                     | 43                     |
| 2724-04392        | 00000/0000                   | 2-20039/0021                | 01/15/77         | 10             | 88                  | 2309N                              | 07322E        | 31.6         | 136.4        | GFGF              |                     |                      | 159                     | 44                     |
| 2724-04394        | 00000/0000                   | 2-20039/0022                | 01/15/77         | 0              | 88                  | 2143N                              | 07300E        | 32.5         | 135.5        | GFGF              |                     |                      | 159                     | 45                     |
| 2724-04401        | 00000/0000                   | 2-20039/0023                | 01/15/77         | 10             | 88                  | 2016N                              | 07227E        | 33.3         | 134.7        | FFGG              |                     |                      | 159                     | 46                     |
| 2724-04403        | 00000/0000                   | 2-20039/0024                | 01/15/77         | 10             | 88                  | 1849N                              | 07216E        | 34.1         | 133.8        | GFGF              |                     |                      | 159                     | 47                     |
| 2724-06135        | 00000/0000                   | 2-20039/0025                | 01/15/77         | 70             | 89                  | 5309N                              | 05802E        | 11.1         | 150.9        | FFFF              |                     |                      | 177                     | 23                     |
| 2724-06142        | 00000/0000                   | 2-20039/0026                | 01/15/77         | 60             | 89                  | 5144N                              | 05719E        | 12.1         | 150.2        | PPPP              |                     |                      | 177                     | 24                     |
| 2724-06144        | 00000/0000                   | 2-20039/0027                | 01/15/77         | 70             | 89                  | 5019N                              | 05638E        | 13.1         | 149.5        | PPPP              |                     |                      | 177                     | 25                     |
| 2724-06151        | 00000/0000                   | 2-20039/0028                | 01/15/77         | 60             | 89                  | 4855N                              | 05559E        | 14.2         | 148.9        | PPP               |                     |                      | 177                     | 26                     |
| 2724-06165        | 00000/0000                   | 2-20039/0029                | 01/15/77         | 30             | 89                  | 4730N                              | 05340E        | 18.3         | 146.3        | PPFF              |                     |                      | 177                     | 30                     |
| 2724-06171        | 00000/0000                   | 2-20039/0030                | 01/15/77         | 10             | 89                  | 4148N                              | 05309E        | 19.3         | 145.6        | PPPP              |                     |                      | 177                     | 31                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 23, 177

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2724-07564        | 00000/0000                   | 2-20038/1457                | 01/15/77         | 10             | 90                     | 5432N                        | 03258E        | 10.0         | 151.6        | GGGG                  |                     |                      | 195                     | 22                     |
| 2724-07571        | 00000/0000                   | 2-20038/1458                | 01/15/77         | 10             | 90                     | 5308N                        | 03212E        | 11.1         | 150.9        | GGGG                  |                     |                      | 195                     | 23                     |
| 2724-07573        | 00000/0000                   | 2-20038/1459                | 01/15/77         | 10             | 90                     | 5143N                        | 03129E        | 12.1         | 150.2        | GGGG                  |                     |                      | 195                     | 24                     |
| 2724-07580        | 00000/0000                   | 2-20038/1460                | 01/15/77         | 10             | 90                     | 5019N                        | 03048E        | 13.2         | 149.5        | GGGG                  |                     |                      | 195                     | 25                     |
| 2724-07582        | 00000/0000                   | 2-20038/1461                | 01/15/77         | 10             | 90                     | 4854N                        | 03009E        | 14.2         | 148.8        | GGGG                  |                     |                      | 195                     | 26                     |
| 2724-07585        | 00000/0000                   | 2-20038/1462                | 01/15/77         | 10             | 90                     | 4729N                        | 02933E        | 15.2         | 148.2        | GGGG                  |                     |                      | 195                     | 27                     |
| 2724-07591        | 00000/0000                   | 2-20038/1463                | 01/15/77         | 90             | 90                     | 4604N                        | 02857E        | 16.2         | 147.5        | GGGG                  |                     |                      | 195                     | 28                     |
| 2724-14512        | 00000/0000                   | 2-20038/1359                | 01/15/77         | 30             | 94                     | 4855N                        | 07306W        | 14.2         | 148.8        | GGGG                  |                     |                      | 16                      | 26                     |
| 2724-18173        | 00000/0000                   | 2-20038/1466                | 01/15/77         | 70             | 96                     | 5020N                        | 12406W        | 13.2         | 149.4        | GGGG                  |                     |                      | 52                      | 25                     |
| 2725-02571        | 00000/0000                   | 2-20038/1502                | 01/16/77         | 40             | 101                    | 3857N                        | 10221E        | 21.4         | 144.2        | GGGG                  |                     |                      | 142                     | 33                     |
| 2725-02574        | 00000/0000                   | 2-20038/1503                | 01/16/77         | 30             | 101                    | 3731N                        | 10153E        | 22.4         | 143.5        | GGGG                  |                     |                      | 142                     | 34                     |
| 2725-04364        | 00000/0000                   | 2-20039/0071                | 01/16/77         | 20             | 102                    | 5144N                        | 08142E        | 12.2         | 150.0        | GGG                   |                     |                      | 160                     | 24                     |
| 2725-04371        | 00000/0000                   | 2-20039/0072                | 01/16/77         | 20             | 102                    | 5020N                        | 08101E        | 13.3         | 149.4        | GGG                   |                     |                      | 160                     | 25                     |
| 2725-04373        | 00000/0000                   | 2-20039/0073                | 01/16/77         | 20             | 102                    | 4855N                        | 08023E        | 14.3         | 148.7        | GGG                   |                     |                      | 160                     | 26                     |
| 2725-04380        | 00000/0000                   | 2-20039/0074                | 01/16/77         | 60             | 102                    | 4730N                        | 07946E        | 15.3         | 148.0        | GGG                   |                     |                      | 160                     | 27                     |
| 2725-04382        | 00000/0000                   | 2-20039/0075                | 01/16/77         | 60             | 102                    | 4604N                        | 07910E        | 16.4         | 147.4        | GGG                   |                     |                      | 160                     | 28                     |
| 2725-04385        | 00000/0000                   | 2-20039/0076                | 01/16/77         | 10             | 102                    | 4439N                        | 07836E        | 17.4         | 146.8        | GGG                   |                     |                      | 160                     | 29                     |
| 2725-04391        | 00000/0000                   | 2-20039/0077                | 01/16/77         | 10             | 102                    | 4313N                        | 07804E        | 18.4         | 146.1        | GGG                   |                     |                      | 160                     | 30                     |
| 2725-04394        | 00000/0000                   | 2-20039/0078                | 01/16/77         | 10             | 102                    | 4148N                        | 07732E        | 19.4         | 145.5        | GGGG                  |                     |                      | 160                     | 31                     |
| 2725-04400        | 00000/0000                   | 2-20039/0079                | 01/16/77         | 30             | 102                    | 4022N                        | 07702E        | 20.4         | 144.8        | GGG                   |                     |                      | 160                     | 32                     |
| 2725-04403        | 00000/0000                   | 2-20039/0080                | 01/16/77         | 10             | 102                    | 3857N                        | 07633E        | 21.4         | 144.2        | GGGG                  |                     |                      | 160                     | 33                     |
| 2725-04405        | 00000/0000                   | 2-20039/0081                | 01/16/77         | 10             | 102                    | 3731N                        | 07605E        | 22.4         | 143.5        | GGGG                  |                     |                      | 160                     | 34                     |
| 2725-04412        | 00000/0000                   | 2-20039/0082                | 01/16/77         | 20             | 102                    | 3605N                        | 07538E        | 23.3         | 142.8        | GGGG                  |                     |                      | 160                     | 35                     |
| 2725-04414        | 00000/0000                   | 2-20039/0083                | 01/16/77         | 10             | 102                    | 3429N                        | 07511E        | 24.3         | 142.2        | GGGG                  |                     |                      | 160                     | 36                     |
| 2725-04421        | 00000/0000                   | 2-20039/0084                | 01/16/77         | 0              | 102                    | 3313N                        | 07444E        | 25.3         | 141.5        | GGGG                  |                     |                      | 160                     | 37                     |
| 2725-04423        | 00000/0000                   | 2-20039/0085                | 01/16/77         | 0              | 102                    | 3146N                        | 07419E        | 26.2         | 140.8        | GGGG                  |                     |                      | 160                     | 38                     |
| 2725-04430        | 00000/0000                   | 2-20039/0086                | 01/16/77         | 0              | 102                    | 3020N                        | 07354E        | 27.2         | 140.0        | GGGG                  |                     |                      | 160                     | 39                     |
| 2725-04432        | 00000/0000                   | 2-20039/0087                | 01/16/77         | 0              | 102                    | 2854N                        | 07329E        | 28.1         | 139.3        | GGGG                  |                     |                      | 160                     | 40                     |
| 2725-04435        | 00000/0000                   | 2-20039/0088                | 01/16/77         | 0              | 102                    | 2728N                        | 07305E        | 29.0         | 138.5        | GGGG                  |                     |                      | 160                     | 41                     |
| 2725-04441        | 00000/0000                   | 2-20039/0089                | 01/16/77         | 0              | 102                    | 2601N                        | 07242E        | 29.9         | 137.8        | GGGG                  |                     |                      | 160                     | 42                     |
| 2725-04444        | 00000/0000                   | 2-20039/0090                | 01/16/77         | 10             | 102                    | 2435N                        | 07219E        | 30.8         | 137.0        | GGGG                  |                     |                      | 160                     | 43                     |
| 2725-04450        | 00000/0000                   | 2-20039/0091                | 01/16/77         | 10             | 102                    | 2308N                        | 07156E        | 31.7         | 136.1        | GGGG                  |                     |                      | 160                     | 44                     |
| 2725-04453        | 00000/0000                   | 2-20039/0092                | 01/16/77         | 10             | 102                    | 2142N                        | 07134E        | 32.5         | 135.3        | GGGG                  |                     |                      | 160                     | 45                     |
| 2725-04455        | 00000/0000                   | 2-20039/0093                | 01/16/77         | 10             | 102                    | 2016N                        | 07112E        | 33.4         | 134.4        | GGGG                  |                     |                      | 160                     | 46                     |
| 2725-06193        | 00000/0000                   | 2-20039/0094                | 01/16/77         | 10             | 103                    | 5308N                        | 05634E        | 11.2         | 150.7        | PPPP                  |                     |                      | 178                     | 23                     |
| 2725-06200        | 00000/0000                   | 2-20039/0095                | 01/16/77         | 40             | 103                    | 5144N                        | 05551E        | 12.3         | 150.0        | PPGP                  |                     |                      | 178                     | 24                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR.  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|---------------------------------|------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2725-06202        | 00000/0000                      | 2-20039/0096     | 01/16/77         | 10             | 103             | 5019N                                   | 05511E       | 13.3         | 149.4                              | PPGP                |                      | 178                     | 25                     |
| 2725-06205        | 00000/0000                      | 2-20039/0097     | 01/16/77         | 30             | 103             | 4854N                                   | 05432E       | 14.3         | 148.7                              | PPGP                |                      | 178                     | 26                     |
| 2725-06211        | 00000/0000                      | 2-20039/0098     | 01/16/77         | 50             | 103             | 4729N                                   | 05355E       | 15.3         | 148.0                              | PPGP                |                      | 178                     | 27                     |
| 2725-06214        | 00000/0000                      | 2-20039/0099     | 01/16/77         | 60             | 103             | 4604N                                   | 05320E       | 16.4         | 147.4                              | PPGP                |                      | 178                     | 28                     |
| 2725-06220        | 00000/0000                      | 2-20039/0100     | 01/16/77         | 50             | 103             | 4439N                                   | 05246E       | 17.4         | 146.7                              | FFFF                |                      | 178                     | 29                     |
| 2725-06223        | 00000/0000                      | 2-20039/0101     | 01/16/77         | 10             | 103             | 4314N                                   | 05213E       | 18.4         | 146.1                              | FFFF                |                      | 178                     | 30                     |
| 2725-06225        | 00000/0000                      | 2-20039/0102     | 01/16/77         | 30             | 103             | 4148N                                   | 05142E       | 19.4         | 145.5                              | FFFF                |                      | 178                     | 31                     |
| 2725-06232        | 00000/0000                      | 2-20039/0104     | 01/16/77         | 70             | 103             | 4022N                                   | 05111E       | 20.4         | 144.8                              | GGGG                |                      | 178                     | 32                     |
| 2725-08025        | 00000/0000                      | 2-20039/0105     | 01/16/77         | 0              | 104             | 5307N                                   | 03046E       | 11.2         | 150.7                              | GGFG                |                      | 196                     | 23                     |
| 2725-08043        | 00000/0000                      | 2-20039/0106     | 01/16/77         | 60             | 104             | 4728N                                   | 02807E       | 15.4         | 148.0                              | GGGG                |                      | 196                     | 27                     |
| 2725-08045        | 00000/0000                      | 2-20039/0107     | 01/16/77         | 90             | 104             | 4603N                                   | 02732E       | 16.4         | 147.4                              | GGGG                |                      | 196                     | 28                     |
| 2725-13135        | 00000/0000                      | 2-20039/0817     | 01/16/77         | 90             | 107             | 4855N                                   | 04842W       | 14.3         | 148.6                              | GGGG                |                      | 250                     | 26                     |
| 2725-13142        | 00000/0000                      | 2-20039/0818     | 01/16/77         | 90             | 107             | 4730N                                   | 04919W       | 15.4         | 148.0                              | GGGG                |                      | 250                     | 27                     |
| 2725-13144        | 00000/0000                      | 2-20039/0819     | 01/16/77         | 80             | 107             | 4604N                                   | 04956W       | 16.4         | 147.3                              | GGGG                |                      | 250                     | 28                     |
| 2725-13151        | 00000/0000                      | 2-20039/0820     | 01/16/77         | 90             | 107             | 4438N                                   | 05029W       | 17.4         | 146.7                              | GGGG                |                      | 250                     | 29                     |
| 2725-13153        | 00000/0000                      | 2-20039/0821     | 01/16/77         | 90             | 107             | 4313N                                   | 05102W       | 18.4         | 146.1                              | GGGG                |                      | 250                     | 30                     |
| 2725-16393        | 00000/0000                      | 2-20039/1464     | 01/16/77         | 10             | 109             | 5144N                                   | 09903W       | 12.3         | 150.0                              | GGGF                |                      | 35                      | 24                     |
| 2725-16400        | 00000/0000                      | 2-20039/1465     | 01/16/77         | 10             | 109             | 5019N                                   | 09944W       | 13.3         | 149.3                              | GGGG                |                      | 35                      | 25                     |
| 2726-03032        | 00000/0000                      | 2-20039/0032     | 01/17/77         | 0              | 115             | 3731N                                   | 10027E       | 22.5         | 143.3                              | GGG                 |                      | 143                     | 34                     |
| 2726-03034        | 00000/0000                      | 2-20039/0033     | 01/17/77         | 0              | 115             | 3605N                                   | 10000E       | 23.5         | 142.7                              | FGGG                |                      | 143                     | 35                     |
| 2726-03041        | 00000/0000                      | 2-20039/0034     | 01/17/77         | 0              | 115             | 3439N                                   | 09933E       | 24.4         | 142.0                              | GGGG                |                      | 143                     | 36                     |
| 2726-03043        | 00000/0000                      | 2-20039/0035     | 01/17/77         | 10             | 115             | 3313N                                   | 09907E       | 25.4         | 141.3                              | GGGG                |                      | 143                     | 37                     |
| 2726-03050        | 00000/0000                      | 2-20039/0036     | 01/17/77         | 10             | 115             | 3146N                                   | 09841E       | 26.3         | 140.6                              | GGGG                |                      | 143                     | 38                     |
| 2726-03052        | 00000/0000                      | 2-20039/0037     | 01/17/77         | 0              | 115             | 3020N                                   | 09816E       | 27.3         | 139.8                              | GGGG                |                      | 143                     | 39                     |
| 2726-03055        | 00000/0000                      | 2-20039/0038     | 01/17/77         | 0              | 115             | 2854N                                   | 09752E       | 28.2         | 139.1                              | GGGG                |                      | 143                     | 40                     |
| 2726-03061        | 00000/0000                      | 2-20039/0039     | 01/17/77         | 70             | 115             | 2728N                                   | 09728E       | 29.1         | 138.3                              | GGGG                |                      | 143                     | 41                     |
| 2726-03064        | 00000/0000                      | 2-20039/0040     | 01/17/77         | 50             | 115             | 2601N                                   | 09704E       | 30.0         | 137.5                              | FGGG                |                      | 143                     | 42                     |
| 2726-03070        | 00000/0000                      | 2-20039/0041     | 01/17/77         | 10             | 115             | 2435N                                   | 09641E       | 30.9         | 136.7                              | GGGG                |                      | 143                     | 43                     |
| 2726-03073        | 00000/0000                      | 2-20039/0042     | 01/17/77         | 10             | 115             | 2308N                                   | 09619E       | 31.7         | 135.9                              | GGGG                |                      | 143                     | 44                     |
| 2726-03075        | 00000/0000                      | 2-20039/0043     | 01/17/77         | 10             | 115             | 2142N                                   | 09556E       | 32.6         | 135.1                              | GGGG                |                      | 143                     | 45                     |
| 2726-04413        | 00000/0000                      | 2-20039/0044     | 01/17/77         | 10             | 116             | 5433N                                   | 08145E       | 10.3         | 151.3                              | FGGG                |                      | 161                     | 22                     |
| 2726-04420        | 00000/0000                      | 2-20039/0045     | 01/17/77         | 30             | 116             | 5309N                                   | 08059E       | 11.4         | 150.6                              | FGGG                |                      | 161                     | 23                     |
| 2726-04422        | 00000/0000                      | 2-20039/0046     | 01/17/77         | 30             | 116             | 5144N                                   | 08016E       | 12.4         | 149.9                              | FFGG                |                      | 161                     | 24                     |
| 2726-04425        | 00000/0000                      | 2-20039/0047     | 01/17/77         | 20             | 116             | 5019N                                   | 07935E       | 13.4         | 149.2                              | FGGP                |                      | 161                     | 25                     |
| 2726-04431        | 00000/0000                      | 2-20039/0048     | 01/17/77         | 10             | 116             | 4854N                                   | 07857E       | 14.5         | 148.5                              | FGGG                |                      | 161                     | 26                     |
| 2726-04434        | 00000/0000                      | 2-20039/0049     | 01/17/77         | 10             | 116             | 4730N                                   | 07820E       | 15.5         | 147.9                              | FGGG                |                      | 161                     | 27                     |

KEYS: C\_CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION ID | MICROFILM SERIAL NO. / POSITION IN REEL | DATE ACQUIRED | CLOUD COVER | ORBIT NUMBER | PRINCIPAL POINT OF IMAGE | SUN ELEV. | SUN AZIM.  | IMAGE QUAL | MSS DATA | MSS IMAGE GAIN | ORBIT PATH NUMBER | FRAME ROW NUMBER |
|----------------|-----------------------------------------|---------------|-------------|--------------|--------------------------|-----------|------------|------------|----------|----------------|-------------------|------------------|
|                | RRV MSS                                 |               |             |              | LAT LANG                 |           |            | 123 45678  | MODE     |                |                   |                  |
| 2726-14440     | 00000/0000                              | 2-20039/0050  | 01/17/77    | 10           | 116 4604N                | 07745E    | 16.5 147.2 |            | FGGG     |                | 161               | 28               |
| 2726-14443     | 00000/0000                              | 2-20039/0051  | 01/17/77    | 30           | 116 4439N                | 07710E    | 17.5 146.6 |            | GGGG     |                | 161               | 29               |
| 2726-14445     | 00000/0000                              | 2-20039/0052  | 01/17/77    | 40           | 116 4313N                | 07637E    | 18.5 145.9 |            | GGGG     |                | 161               | 30               |
| 2726-14452     | 00000/0000                              | 2-20039/0053  | 01/17/77    | 50           | 116 4148N                | 07606E    | 19.5 145.3 |            | FGGG     |                | 161               | 31               |
| 2726-14454     | 00000/0000                              | 2-20039/0054  | 01/17/77    | 70           | 116 4022N                | 07535E    | 20.5 144.6 |            | GGGG     |                | 161               | 32               |
| 2726-14461     | 00000/0000                              | 2-20039/0055  | 01/17/77    | 30           | 116 3856N                | 07507E    | 21.5 144.0 |            | GGGG     |                | 161               | 33               |
| 2726-14463     | 00000/0000                              | 2-20039/0056  | 01/17/77    | 20           | 116 3730N                | 07439E    | 22.5 143.3 |            | GGGG     |                | 161               | 34               |
| 2726-14470     | 00000/0000                              | 2-20039/0057  | 01/17/77    | 70           | 116 3604N                | 07411E    | 23.5 142.6 |            | GGGG     |                | 161               | 35               |
| 2726-14472     | 00000/0000                              | 2-20039/0058  | 01/17/77    | 60           | 116 3438N                | 07345E    | 24.4 142.0 |            | GGGG     |                | 161               | 36               |
| 2726-14490     | 00000/0000                              | 2-20039/0059  | 01/17/77    | 10           | 116 2854N                | 07203E    | 28.2 139.1 |            | GGGG     |                | 161               | 40               |
| 2726-14493     | 00000/0000                              | 2-20039/0060  | 01/17/77    | 10           | 116 2727N                | 07139E    | 29.1 138.3 |            | GGGG     |                | 161               | 41               |
| 2726-14495     | 00000/0000                              | 2-20039/0061  | 01/17/77    | 0            | 116 2671N                | 07116E    | 30.0 137.5 |            | GGGG     |                | 161               | 42               |
| 2726-14502     | 00000/0000                              | 2-20039/0062  | 01/17/77    | 0            | 116 2435N                | 07053E    | 30.9 136.7 |            | FGGG     |                | 161               | 43               |
| 2726-14504     | 00000/0000                              | 2-20039/0063  | 01/17/77    | 0            | 116 2308N                | 07030E    | 31.8 135.9 |            | GGGG     |                | 161               | 44               |
| 2726-14511     | 00000/0000                              | 2-20039/0064  | 01/17/77    | 10           | 116 2141N                | 07008E    | 32.6 135.0 |            | GGGF     |                | 161               | 45               |
| 2726-14513     | 00000/0000                              | 2-20039/0065  | 01/17/77    | 30           | 116 2015N                | 06946E    | 33.5 134.2 |            | GGGG     |                | 161               | 46               |
| 2726-14520     | 00000/0000                              | 2-20039/0066  | 01/17/77    | 10           | 117 5018N                | 05345E    | 13.4 149.2 |            | PPPP     |                | 179               | 25               |
| 2726-14523     | 00000/0000                              | 2-20039/0067  | 01/17/77    | 30           | 117 4853N                | 05306E    | 14.5 148.5 |            | PPPP     |                | 179               | 26               |
| 2726-14525     | 00000/0000                              | 2-20039/0068  | 01/17/77    | 30           | 117 4708N                | 05229E    | 15.5 147.9 |            | PPPP     |                | 179               | 27               |
| 2726-14527     | 00000/0000                              | 2-20039/0069  | 01/17/77    | 20           | 117 4633N                | 05154E    | 16.5 147.2 |            | PPPP     |                | 179               | 28               |
| 2726-14529     | 00000/0000                              | 2-20039/0070  | 01/17/77    | 20           | 117 4438N                | 05120E    | 17.5 146.6 |            | PPPP     |                | 179               | 29               |
| 2726-14532     | 00000/0000                              | 2-20039/0071  | 01/17/77    | 60           | 117 4022N                | 04945E    | 20.5 144.6 |            | GGGG     |                | 179               | 32               |
| 2726-14532     | 00000/0000                              | 2-20039/0072  | 01/17/77    | 70           | 117 3856N                | 04916E    | 21.5 144.0 |            | FGGG     |                | 179               | 33               |
| 2726-14532     | 00000/0000                              | 2-20039/0073  | 01/17/77    | 30           | 118 5017N                | 02756E    | 13.5 149.2 |            | GGGG     |                | 197               | 25               |
| 2726-14532     | 00000/0000                              | 2-20039/0074  | 01/17/77    | 50           | 118 4852N                | 02717E    | 14.5 148.5 |            | GGGG     |                | 197               | 26               |
| 2726-14532     | 00000/0000                              | 2-20039/0075  | 01/17/77    | 60           | 118 4707N                | 02640E    | 15.5 147.9 |            | GGGF     |                | 197               | 27               |
| 2726-14532     | 00000/0000                              | 2-20039/0076  | 01/17/77    | 30           | 121 5019N                | 04932W    | 13.5 149.2 |            | GGGG     |                | 251               | 25               |
| 2726-14532     | 00000/0000                              | 2-20039/0077  | 01/17/77    | 10           | 121 4854N                | 05010W    | 14.5 148.5 |            | GGGG     |                | 251               | 26               |
| 2726-14532     | 00000/0000                              | 2-20039/0078  | 01/17/77    | 50           | 121 4700N                | 05047W    | 15.5 147.8 |            | GGGG     |                | 251               | 27               |
| 2726-14532     | 00000/0000                              | 2-20039/0079  | 01/17/77    | 20           | 121 4604N                | 05122W    | 16.6 147.2 |            | GGGG     |                | 251               | 28               |
| 2726-14532     | 00000/0000                              | 2-20039/0080  | 01/17/77    | 80           | 121 4439N                | 05156W    | 17.6 146.5 |            | GGGG     |                | 251               | 29               |
| 2726-14532     | 00000/0000                              | 2-20039/0081  | 01/17/77    | 80           | 121 4313N                | 05229W    | 18.6 145.9 |            | GGGG     |                | 251               | 30               |
| 2726-14532     | 00000/0000                              | 2-20039/0082  | 01/17/77    | 60           | 121 4148N                | 05300W    | 19.6 145.2 |            | GGGG     |                | 251               | 31               |
| 2726-14532     | 00000/0000                              | 2-20039/0083  | 01/17/77    | 0            | 123 5019N                | 10111W    | 13.5 149.1 |            | GGGG     |                | 36                | 25               |
| 2726-14532     | 00000/0000                              | 2-20039/0084  | 01/17/77    | 10           | 123 4707N                | 10904W    | 29.2 138.2 |            | GGGG     |                | 36                | 41               |
| 2726-14532     | 00000/0000                              | 2-20039/0085  | 01/17/77    | 60           | 123 2671N                | 10927W    | 30.0 137.4 |            | GG       |                | 36                | 42               |

KEYS: CLOUD COVER x ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... PLANKS BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RSV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RSV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2726-16531        | 00000/0000                   | 2-20038/1571                | 01/17/77         | 60             | 123                 | 2434N                        | 10950W        | 30.9         | 136.6        | GGGG                               |                     | H                    | 36                      | 43                     |
| 2726-16533        | 00000/0000                   | 2-20038/1572                | 01/17/77         | 90             | 123                 | 2307N                        | 11012W        | 31.8         | 135.8        | GGGP                               |                     | H                    | 36                      | 44                     |
| 2727-03081        | 00000/0000                   | 2-20038/1414                | 01/18/77         | 30             | 129                 | 4022N                        | 09958E        | 20.7         | 144.5        | FFGG                               |                     |                      | 144                     | 32                     |
| 2727-03083        | 00000/0000                   | 2-20038/1415                | 01/18/77         | 50             | 129                 | 3856N                        | 09930E        | 21.6         | 143.8        | GGGG                               |                     |                      | 144                     | 33                     |
| 2727-03090        | 00000/0000                   | 2-20038/1416                | 01/18/77         | 10             | 129                 | 3731N                        | 09901E        | 22.6         | 143.1        | GFGG                               |                     |                      | 144                     | 34                     |
| 2727-03092        | 00000/0000                   | 2-20038/1417                | 01/18/77         | 0              | 129                 | 3605N                        | 09834E        | 23.6         | 142.5        | GGGG                               |                     |                      | 144                     | 35                     |
| 2727-03095        | 00000/0000                   | 2-20038/1418                | 01/18/77         | 0              | 129                 | 3438N                        | 09806E        | 24.5         | 141.8        | GGGG                               |                     |                      | 144                     | 36                     |
| 2727-03101        | 00000/0000                   | 2-20038/1419                | 01/18/77         | 10             | 129                 | 3312N                        | 09740E        | 25.5         | 141.1        | GGGG                               |                     |                      | 144                     | 37                     |
| 2727-03104        | 00000/0000                   | 2-20038/1420                | 01/18/77         | 10             | 129                 | 3146N                        | 09715E        | 26.4         | 140.3        | GGGG                               |                     |                      | 144                     | 38                     |
| 2727-03110        | 00000/0000                   | 2-20038/1421                | 01/18/77         | 10             | 129                 | 3020N                        | 09650E        | 27.4         | 139.6        | GGGG                               |                     |                      | 144                     | 39                     |
| 2727-03113        | 00000/0000                   | 2-20038/1422                | 01/18/77         | 20             | 129                 | 2854N                        | 09626E        | 28.3         | 138.9        | GGGG                               |                     |                      | 144                     | 40                     |
| 2727-03115        | 00000/0000                   | 2-20038/1423                | 01/18/77         | 40             | 129                 | 2727N                        | 09602E        | 29.2         | 138.1        | GGGG                               |                     |                      | 144                     | 41                     |
| 2727-03122        | 00000/0000                   | 2-20038/1424                | 01/18/77         | 30             | 129                 | 2601N                        | 09538E        | 30.1         | 137.3        | FGGG                               |                     |                      | 144                     | 42                     |
| 2727-03124        | 00000/0000                   | 2-20038/1425                | 01/18/77         | 20             | 129                 | 2435N                        | 09515E        | 31.0         | 136.5        | FGGG                               |                     |                      | 144                     | 43                     |
| 2727-03131        | 00000/0000                   | 2-20038/1426                | 01/18/77         | 10             | 129                 | 2308N                        | 09452E        | 31.8         | 135.7        | FGGF                               |                     |                      | 144                     | 44                     |
| 2727-03133        | 00000/0000                   | 2-20038/1427                | 01/18/77         | 10             | 129                 | 2142N                        | 09430E        | 32.7         | 134.8        | GGGF                               |                     |                      | 144                     | 45                     |
| 2727-03140        | 00000/0000                   | 2-20038/1428                | 01/18/77         | 0              | 129                 | 2015N                        | 09409E        | 33.5         | 133.9        | GGGF                               |                     |                      | 144                     | 46                     |
| 2727-04474        | 00000/0000                   | 2-20038/1429                | 01/18/77         | 10             | 130                 | 5308N                        | 07931E        | 11.5         | 150.4        | PPPP                               |                     |                      | 162                     | 23                     |
| 2727-04483        | 00000/0000                   | 2-20038/1430                | 01/18/77         | 0              | 130                 | 5019N                        | 07808E        | 13.6         | 149.0        | PPPP                               |                     |                      | 162                     | 25                     |
| 2727-04490        | 00000/0000                   | 2-20038/1431                | 01/18/77         | 0              | 130                 | 4854N                        | 07729E        | 14.6         | 148.4        | PPPP                               |                     |                      | 162                     | 26                     |
| 2727-04495        | 00000/0000                   | 2-20038/1432                | 01/18/77         | 10             | 130                 | 4604N                        | 07616E        | 16.7         | 147.1        | FGGP                               |                     |                      | 162                     | 28                     |
| 2727-04501        | 00000/0000                   | 2-20038/1433                | 01/18/77         | 70             | 130                 | 4439N                        | 07542E        | 17.7         | 146.4        | GGGF                               |                     |                      | 162                     | 29                     |
| 2727-04504        | 00000/0000                   | 2-20038/1434                | 01/18/77         | 60             | 130                 | 4313N                        | 07510E        | 18.7         | 145.8        | GGGF                               |                     |                      | 162                     | 30                     |
| 2727-04510        | 00000/0000                   | 2-20038/1435                | 01/18/77         | 70             | 130                 | 4147N                        | 07438E        | 19.7         | 145.1        | GGGF                               |                     |                      | 162                     | 31                     |
| 2727-04513        | 00000/0000                   | 2-20038/1436                | 01/18/77         | 50             | 130                 | 4022N                        | 07408E        | 20.7         | 144.4        | GGGF                               |                     |                      | 162                     | 32                     |
| 2727-04515        | 00000/0000                   | 2-20038/1437                | 01/18/77         | 60             | 130                 | 3855N                        | 07339E        | 21.7         | 143.8        | FGGF                               |                     |                      | 162                     | 33                     |
| 2727-04522        | 00000/0000                   | 2-20038/1438                | 01/18/77         | 90             | 130                 | 3730N                        | 07311E        | 22.6         | 143.1        | FGGF                               |                     |                      | 162                     | 34                     |
| 2727-04524        | 00000/0000                   | 2-20038/1439                | 01/18/77         | 90             | 130                 | 3604N                        | 07244E        | 23.6         | 142.4        | GGGF                               |                     |                      | 162                     | 35                     |
| 2727-04531        | 00000/0000                   | 2-20038/1440                | 01/18/77         | 90             | 130                 | 3438N                        | 07217E        | 24.6         | 141.8        | FGGF                               |                     |                      | 162                     | 36                     |
| 2727-04533        | 00000/0000                   | 2-20038/1441                | 01/18/77         | 70             | 130                 | 3312N                        | 07151E        | 25.5         | 141.0        | FFFF                               |                     |                      | 162                     | 37                     |
| 2727-04540        | 00000/0000                   | 2-20038/1442                | 01/18/77         | 50             | 130                 | 3146N                        | 07126E        | 26.5         | 140.3        | FFFF                               |                     |                      | 162                     | 38                     |
| 2727-04542        | 00000/0000                   | 2-20038/1443                | 01/18/77         | 20             | 130                 | 3020N                        | 07101E        | 27.4         | 139.6        | PPPP                               |                     |                      | 162                     | 39                     |
| 2727-04545        | 00000/0000                   | 2-20038/1444                | 01/18/77         | 10             | 130                 | 2853N                        | 07037E        | 28.3         | 138.8        | PPPP                               |                     |                      | 162                     | 40                     |
| 2727-04551        | 00000/0000                   | 2-20038/1445                | 01/18/77         | 70             | 130                 | 2727N                        | 07013E        | 29.2         | 138.1        | PPPP                               |                     |                      | 162                     | 41                     |
| 2727-04554        | 00000/0000                   | 2-20038/1446                | 01/18/77         | 40             | 130                 | 2600N                        | 06950E        | 30.1         | 137.3        | PPPP                               |                     |                      | 162                     | 42                     |
| 2727-04560        | 00000/0000                   | 2-20038/1447                | 01/18/77         | 10             | 130                 | 2434N                        | 06926E        | 31.0         | 136.5        | PPPP                               |                     |                      | 162                     | 43                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | MSS          | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|--------------|------------------|-----------------------|--------------|--------------|------------------------------------|-------------------------------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2727-04563        | 00000/0000                                     | 2-20038/1448 | 01/18/77         | 10                    | 130          | 2308N        | 06904E                             | 31.8 135.7                          | PPPP                  |                     |                      | 162                     | 44                     |
| 2727-04565        | 00000/0000                                     | 2-20038/1449 | 01/18/77         | 10                    | 130          | 2141N        | 06842E                             | 32.7 134.8                          | PPPP                  |                     |                      | 162                     | 45                     |
| 2727-04572        | 00000/0000                                     | 2-20038/1450 | 01/18/77         | 10                    | 130          | 2015N        | 06820E                             | 33.5 133.9                          | PPPP                  |                     |                      | 162                     | 46                     |
| 2727-06315        | 00000/0000                                     | 2-20038/1451 | 01/18/77         | 20                    | 131          | 5018N        | 05218E                             | 13.6 149.0                          | FGFF                  |                     |                      | 180                     | 25                     |
| 2727-06324        | 00000/0000                                     | 2-20038/1452 | 01/18/77         | 40                    | 131          | 4728N        | 05103E                             | 15.7 147.7                          | FGFF                  |                     |                      | 180                     | 27                     |
| 2727-06330        | 00000/0000                                     | 2-20038/1453 | 01/18/77         | 10                    | 131          | 4603N        | 05027E                             | 16.7 147.0                          | FGFF                  |                     |                      | 180                     | 28                     |
| 2727-06342        | 00000/0000                                     | 2-20038/1574 | 01/18/77         | 40                    | 131          | 4147N        | 04849E                             | 19.7 145.1                          | GGGG                  |                     |                      | 180                     | 31                     |
| 2727-08141        | 00000/0000                                     | 2-20038/1575 | 01/18/77         | 0                     | 132          | 5307N        | 02754E                             | 11.6 150.4                          | GGGG                  |                     |                      | 198                     | 23                     |
| 2727-08144        | 00000/0000                                     | 2-20038/1576 | 01/18/77         | 0                     | 132          | 5143N        | 02711E                             | 12.6 149.7                          | GGGG                  |                     |                      | 198                     | 24                     |
| 2727-08150        | 00000/0000                                     | 2-20038/1577 | 01/18/77         | 10                    | 132          | 5018N        | 02630E                             | 13.6 149.0                          | GGGG                  |                     |                      | 198                     | 25                     |
| 2727-13242        | 00000/0000                                     | 2-20038/1496 | 01/18/77         | 90                    | 135          | 5143N        | 05015W                             | 12.6 149.7                          | GGGG                  |                     |                      | 1                       | 24                     |
| 2727-13245        | 00000/0000                                     | 2-20038/1497 | 01/18/77         | 50                    | 135          | 5019N        | 05056W                             | 13.6 149.0                          | GGGG                  |                     |                      | 1                       | 25                     |
| 2727-13251        | 00000/0000                                     | 2-20038/1498 | 01/18/77         | 10                    | 135          | 4854N        | 05135W                             | 14.7 148.3                          | GGGG                  |                     |                      | 1                       | 26                     |
| 2727-13254        | 00000/0000                                     | 2-20038/1499 | 01/18/77         | 10                    | 135          | 4729N        | 05212W                             | 15.7 147.7                          | GGGG                  |                     |                      | 1                       | 27                     |
| 2727-13260        | 00000/0000                                     | 2-20038/1500 | 01/18/77         | 10                    | 135          | 4604N        | 05247W                             | 16.7 147.0                          | FGGG                  |                     |                      | 1                       | 28                     |
| 2727-13265        | 00000/0000                                     | 2-20038/1501 | 01/18/77         | 50                    | 135          | 4314N        | 05352W                             | 18.7 145.7                          | GGGG                  |                     |                      | 1                       | 30                     |
| 2727-16512        | 00000/0000                                     | 2-20038/1513 | 01/18/77         | 90                    | 137          | 5019N        | 10234W                             | 13.7 149.0                          | GGG                   |                     |                      | 37                      | 25                     |
| 2728-01313        | 00000/0000                                     | 2-20038/1578 | 01/19/77         | 30                    | 142          | 3730N        | 12323E                             | 22.7 143.0                          | GGGG                  |                     |                      | 127                     | 34                     |
| 2728-01331        | 00000/0000                                     | 2-20038/1579 | 01/19/77         | 100                   | 142          | 3146N        | 12137E                             | 26.6 140.2                          | GGGG                  |                     |                      | 127                     | 38                     |
| 2728-01333        | 00000/0000                                     | 2-20038/1580 | 01/19/77         | 90                    | 142          | 3020N        | 12112E                             | 27.5 139.4                          | GGGG                  |                     |                      | 127                     | 39                     |
| 2728-01340        | 00000/0000                                     | 2-20038/1581 | 01/19/77         | 100                   | 142          | 2853N        | 12048E                             | 28.4 138.7                          | GGGG                  |                     |                      | 127                     | 40                     |
| 2728-01342        | 00000/0000                                     | 2-20038/1582 | 01/19/77         | 100                   | 142          | 2727N        | 12024E                             | 29.3 137.9                          | GGGG                  |                     |                      | 127                     | 41                     |
| 2728-03133        | 00000/0000                                     | 2-20039/0103 | 01/19/77         | 10                    | 143          | 4147N        | 09903E                             | 19.8 144.9                          | FGFF                  |                     |                      | 145                     | 31                     |
| 2728-03135        | 00000/0000                                     | 2-20039/0104 | 01/19/77         | 10                    | 143          | 4022N        | 09832E                             | 20.8 144.3                          | FGFF                  |                     |                      | 145                     | 32                     |
| 2728-03142        | 00000/0000                                     | 2-20039/0105 | 01/19/77         | 0                     | 143          | 3856N        | 09803E                             | 21.8 143.6                          | GGGG                  |                     |                      | 145                     | 33                     |
| 2728-03144        | 00000/0000                                     | 2-20039/0106 | 01/19/77         | 10                    | 143          | 3730N        | 09734E                             | 22.8 142.9                          | FGGG                  |                     |                      | 145                     | 34                     |
| 2728-03151        | 00000/0000                                     | 2-20039/0107 | 01/19/77         | 40                    | 143          | 3604N        | 09707E                             | 23.7 142.5                          | FGGG                  |                     |                      | 145                     | 35                     |
| 2728-03153        | 00000/0000                                     | 2-20039/0108 | 01/19/77         | 10                    | 143          | 3437N        | 09640E                             | 24.7 141.6                          | GGGG                  |                     |                      | 145                     | 36                     |
| 2728-03160        | 00000/0000                                     | 2-20039/0109 | 01/19/77         | 50                    | 143          | 3311N        | 09614E                             | 25.6 140.9                          | GGGG                  |                     |                      | 145                     | 37                     |
| 2728-03162        | 00000/0000                                     | 2-20039/0110 | 01/19/77         | 30                    | 143          | 3145N        | 09549E                             | 26.6 140.1                          | GGGG                  |                     |                      | 145                     | 38                     |
| 2728-03165        | 00000/0000                                     | 2-20039/0111 | 01/19/77         | 30                    | 143          | 3019N        | 09524E                             | 27.5 139.4                          | GGGG                  |                     |                      | 145                     | 39                     |
| 2728-03171        | 00000/0000                                     | 2-20039/0112 | 01/19/77         | 20                    | 143          | 2853N        | 09500E                             | 28.4 138.6                          | GGGG                  |                     |                      | 145                     | 40                     |
| 2728-03174        | 00000/0000                                     | 2-20039/0113 | 01/19/77         | 10                    | 143          | 2726N        | 09436E                             | 29.3 137.9                          | FGGG                  |                     |                      | 145                     | 41                     |
| 2728-03180        | 00000/0000                                     | 2-20039/0114 | 01/19/77         | 10                    | 143          | 2600N        | 09413E                             | 30.2 137.1                          | FGGG                  |                     |                      | 145                     | 42                     |
| 2728-03183        | 00000/0000                                     | 2-20039/0115 | 01/19/77         | 10                    | 143          | 2434N        | 09350E                             | 31.1 136.3                          | FGGG                  |                     |                      | 145                     | 43                     |
| 2728-03185        | 00000/0000                                     | 2-20039/0116 | 01/19/77         | 30                    | 143          | 2307N        | 09327E                             | 31.9 135.4                          | FFFF                  |                     |                      | 145                     | 44                     |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NAN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SAT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>ELEV. | SUN.<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------|------------------------------|---------------|--------------|---------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2728-03192        | 00000/0000                   | 2-20039/0117                | 01/19/77         | 10             | 143           | 2140N                        | 09305E        | 32.8         | 134.6         | FGGG                               |                     |                      | 245                     | 45                     |
| 2728-03194        | 00000/0000                   | 2-20039/0118                | 01/19/77         | 10             | 143           | 2014N                        | 09243E        | 33.6         | 133.7         | FFFF                               |                     |                      | 245                     | 46                     |
| 2728-03201        | 00000/0000                   | 2-20039/0119                | 01/19/77         | 10             | 143           | 1848N                        | 09221E        | 34.4         | 132.8         | FGGG                               |                     |                      | 245                     | 47                     |
| 2728-04532        | 00000/0000                   | 2-20039/0120                | 01/19/77         | 90             | 144           | 5308N                        | 07404E        | 11.7         | 150.3         | PPPP                               |                     |                      | 163                     | 23                     |
| 2728-04535        | 00000/0000                   | 2-20039/0121                | 01/19/77         | 90             | 144           | 5143N                        | 07720E        | 12.7         | 149.6         | GGGG                               |                     |                      | 163                     | 24                     |
| 2728-04541        | 00000/0000                   | 2-20039/0122                | 01/19/77         | 90             | 144           | 5019N                        | 07639E        | 13.8         | 148.9         | GGFF                               |                     |                      | 163                     | 25                     |
| 2728-04544        | 00000/0000                   | 2-20039/0123                | 01/19/77         | 30             | 144           | 4844N                        | 07601E        | 14.8         | 148.2         | GGGG                               |                     |                      | 163                     | 26                     |
| 2728-04550        | 00000/0000                   | 2-20039/0124                | 01/19/77         | 40             | 144           | 4729N                        | 07525E        | 15.8         | 147.5         | GGGG                               |                     |                      | 163                     | 27                     |
| 2728-04553        | 00000/0000                   | 2-20039/0125                | 01/19/77         | 20             | 144           | 4643N                        | 07449E        | 16.8         | 146.9         | GGGG                               |                     |                      | 163                     | 28                     |
| 2728-04555        | 00000/0000                   | 2-20039/0126                | 01/19/77         | 30             | 144           | 4438N                        | 07416E        | 17.8         | 146.2         | GGGG                               |                     |                      | 163                     | 29                     |
| 2728-04562        | 00000/0000                   | 2-20039/0127                | 01/19/77         | 50             | 144           | 4312N                        | 07343E        | 18.8         | 145.6         | FGGG                               |                     |                      | 163                     | 30                     |
| 2728-04564        | 00000/0000                   | 2-20039/0128                | 01/19/77         | 60             | 144           | 4147N                        | 07312E        | 19.8         | 144.9         | GGGG                               |                     |                      | 163                     | 31                     |
| 2728-04571        | 00000/0000                   | 2-20039/0129                | 01/19/77         | 50             | 144           | 4021N                        | 07242E        | 20.8         | 144.3         | GGGG                               |                     |                      | 163                     | 32                     |
| 2728-04573        | 00000/0000                   | 2-20039/0130                | 01/19/77         | 90             | 144           | 3845N                        | 07212E        | 21.8         | 143.6         | GGGF                               |                     |                      | 163                     | 33                     |
| 2728-04580        | 00000/0000                   | 2-20039/0131                | 01/19/77         | 80             | 144           | 3729N                        | 07144E        | 22.8         | 142.9         | GGGG                               |                     |                      | 163                     | 34                     |
| 2728-04582        | 00000/0000                   | 2-20039/0132                | 01/19/77         | 70             | 144           | 3643N                        | 07117E        | 23.7         | 142.2         | FGGG                               |                     |                      | 163                     | 35                     |
| 2728-04585        | 00000/0000                   | 2-20039/0133                | 01/19/77         | 60             | 144           | 3437N                        | 07050E        | 24.7         | 141.5         | GGGG                               |                     |                      | 163                     | 36                     |
| 2728-04591        | 00000/0000                   | 2-20039/0134                | 01/19/77         | 30             | 144           | 3312N                        | 07025E        | 25.6         | 140.8         | GGGG                               |                     |                      | 163                     | 37                     |
| 2728-04594        | 00000/0000                   | 2-20039/0135                | 01/19/77         | 10             | 144           | 3145N                        | 06959E        | 26.6         | 140.1         | GGGG                               |                     |                      | 163                     | 38                     |
| 2728-05000        | 00000/0000                   | 2-20039/0136                | 01/19/77         | 10             | 144           | 3019N                        | 06934E        | 27.5         | 139.4         | GGGG                               |                     |                      | 163                     | 39                     |
| 2728-05003        | 00000/0000                   | 2-20039/0137                | 01/19/77         | n              | 144           | 2853N                        | 06910E        | 28.4         | 138.6         | GGGG                               |                     |                      | 163                     | 40                     |
| 2728-05005        | 00000/0000                   | 2-20039/0138                | 01/19/77         | n              | 144           | 2726N                        | 06846E        | 29.3         | 137.9         | GGGG                               |                     |                      | 163                     | 41                     |
| 2728-05012        | 00000/0000                   | 2-20039/0139                | 01/19/77         | n              | 144           | 2600N                        | 06822E        | 30.2         | 137.1         | GGGG                               |                     |                      | 163                     | 42                     |
| 2728-05014        | 00000/0000                   | 2-20039/0140                | 01/19/77         | n              | 144           | 2433N                        | 06759E        | 31.1         | 136.2         | GGGG                               |                     |                      | 163                     | 43                     |
| 2728-05021        | 00000/0000                   | 2-20039/0141                | 01/19/77         | 10             | 144           | 2307N                        | 06737E        | 31.9         | 135.4         | FGGG                               |                     |                      | 163                     | 44                     |
| 2728-05023        | 00000/0000                   | 2-20039/0142                | 01/19/77         | 10             | 144           | 2140N                        | 06715E        | 32.8         | 134.6         | FGGG                               |                     |                      | 163                     | 45                     |
| 2728-05030        | 00000/0000                   | 2-20039/0143                | 01/19/77         | 10             | 144           | 2013N                        | 06653E        | 33.6         | 133.7         | GGGG                               |                     |                      | 163                     | 46                     |
| 2728-06373        | 00000/0000                   | 2-20039/0144                | 01/19/77         | 30             | 145           | 5018N                        | 05052E        | 13.8         | 148.9         | GGGF                               |                     |                      | 181                     | 25                     |
| 2728-06384        | 00000/0000                   | 2-20039/0145                | 01/19/77         | 10             | 145           | 4602N                        | 04901E        | 16.8         | 146.9         | PPPP                               |                     |                      | 181                     | 28                     |
| 2728-06391        | 00000/0000                   | 2-20039/0146                | 01/19/77         | 50             | 145           | 4437N                        | 04827E        | 17.8         | 146.2         | P                                  |                     |                      | 181                     | 29                     |
| 2728-06393        | 00000/0000                   | 2-20039/0147                | 01/19/77         | 40             | 145           | 4311N                        | 04755E        | 18.8         | 145.6         | F                                  |                     |                      | 181                     | 30                     |
| 2728-06400        | 00000/0000                   | 2-20039/0148                | 01/19/77         | 70             | 145           | 4146N                        | 04723E        | 19.8         | 144.9         | GGGF                               |                     |                      | 181                     | 31                     |
| 2728-06402        | 00000/0000                   | 2-20039/0149                | 01/19/77         | 90             | 145           | 4020N                        | 04653E        | 20.8         | 144.2         | GGGG                               |                     |                      | 181                     | 32                     |
| 2728-06405        | 00000/0000                   | 2-20039/0150                | 01/19/77         | 70             | 145           | 3854N                        | 04624E        | 21.8         | 143.6         | GGGG                               |                     |                      | 181                     | 33                     |
| 2728-08195        | 00000/0000                   | 2-20039/0151                | 01/19/77         | n              | 146           | 5310N                        | 02629E        | 11.7         | 150.3         | GGGG                               |                     |                      | 199                     | 23                     |
| 2728-08202        | 00000/0000                   | 2-20039/0152                | 01/19/77         | n              | 146           | 5146N                        | 02546E        | 12.7         | 149.6         | FFGG                               |                     |                      | 199                     | 24                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK; NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 25, '77

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|-----------------|-----------------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2728-08204        | 00000/0000                   | 2-2003R/1521                | 01/19/77         | 10             | 146             | 5021N                                   | 02505E       | 13.8         | 148.9                              | GGGG                |                      | 199                     | 25                     |
| 2728-13301        | 00000/0000                   | 2-2003R/1489                | 01/19/77         | 60             | 149             | 5143N                                   | 05142W       | 12.8         | 149.5                              | GGGG                |                      | 2                       | 24                     |
| 2728-13303        | 00000/0000                   | 2-2003R/1490                | 01/19/77         | 40             | 149             | 5018N                                   | 05222W       | 13.8         | 148.8                              | GGGG                |                      | 2                       | 25                     |
| 2728-13310        | 00000/0000                   | 2-2003R/1491                | 01/19/77         | 30             | 149             | 4854N                                   | 05300W       | 14.8         | 148.2                              | GGGG                |                      | 2                       | 26                     |
| 2728-13312        | 00000/0000                   | 2-2003R/1492                | 01/19/77         | 20             | 149             | 4729N                                   | 05337W       | 15.9         | 147.5                              | GGGG                |                      | 2                       | 27                     |
| 2728-13315        | 00000/0000                   | 2-2003R/1493                | 01/19/77         | 40             | 149             | 4604N                                   | 05413W       | 16.9         | 146.8                              | GGGG                |                      | 2                       | 28                     |
| 2728-13324        | 00000/0000                   | 2-2003R/1494                | 01/19/77         | 40             | 149             | 4313N                                   | 05520W       | 18.9         | 145.5                              | GGGG                |                      | 2                       | 30                     |
| 2728-13330        | 00000/0000                   | 2-2003R/1495                | 01/19/77         | 60             | 149             | 4147N                                   | 05551W       | 19.9         | 144.9                              | GGGG                |                      | 2                       | 31                     |
| 2728-16564        | 00000/0000                   | 2-2003R/1514                | 01/19/77         | 10             | 151             | 5143N                                   | 10320W       | 12.8         | 149.5                              | FGGG                |                      | 38                      | 24                     |
| 2728-16570        | 00000/0000                   | 2-2003R/1515                | 01/19/77         | 0              | 151             | 5018N                                   | 10400W       | 13.8         | 148.8                              | GGGG                |                      | 38                      | 25                     |
| 2729-01371        | 00000/0000                   | 2-2003R/1522                | 01/20/77         | 40             | 156             | 3730N                                   | 12156E       | 22.9         | 142.8                              | GGGG                |                      | 128                     | 34                     |
| 2729-01373        | 00000/0000                   | 2-2003R/1523                | 01/20/77         | 60             | 156             | 3604N                                   | 12129E       | 23.9         | 142.1                              | FGGG                |                      | 128                     | 35                     |
| 2729-01380        | 00000/0000                   | 2-2003R/1524                | 01/20/77         | 70             | 156             | 3438N                                   | 12102E       | 24.8         | 141.4                              | GGGG                |                      | 128                     | 36                     |
| 2729-01382        | 00000/0000                   | 2-2003R/1525                | 01/20/77         | 100            | 156             | 3312N                                   | 12036E       | 25.7         | 140.7                              | GGGG                |                      | 128                     | 37                     |
| 2729-01385        | 00000/0000                   | 2-2003R/1526                | 01/20/77         | 90             | 156             | 3146N                                   | 12011E       | 26.7         | 139.9                              | GGGG                |                      | 128                     | 38                     |
| 2729-01391        | 00000/0000                   | 2-2003R/1527                | 01/20/77         | 90             | 156             | 3019N                                   | 11946E       | 27.6         | 139.2                              | GGGG                |                      | 128                     | 39                     |
| 2729-01394        | 00000/0000                   | 2-2003R/1528                | 01/20/77         | 90             | 156             | 2853N                                   | 11922E       | 28.5         | 138.4                              | GGGG                |                      | 128                     | 40                     |
| 2729-01400        | 00000/0000                   | 2-2003R/1529                | 01/20/77         | 90             | 156             | 2727N                                   | 11859E       | 29.4         | 137.7                              | GGGG                |                      | 128                     | 41                     |
| 2729-01403        | 00000/0000                   | 2-2003R/1530                | 01/20/77         | 90             | 156             | 2601N                                   | 11836E       | 30.3         | 136.9                              | GGGG                |                      | 128                     | 42                     |
| 2729-01405        | 00000/0000                   | 2-2003R/1531                | 01/20/77         | 50             | 156             | 2435N                                   | 11813E       | 31.2         | 136.0                              | GGGG                |                      | 128                     | 43                     |
| 2729-03184        | 00000/0000                   | 2-20040/0001                | 01/20/77         | 50             | 157             | 4312N                                   | 09806E       | 19.0         | 145.4                              | GGGG                |                      | 146                     | 30                     |
| 2729-03191        | 00000/0000                   | 2-20040/0002                | 01/20/77         | 10             | 157             | 4147N                                   | 09734E       | 20.0         | 144.8                              | FGGG                |                      | 146                     | 31                     |
| 2729-03193        | 00000/0000                   | 2-20040/0003                | 01/20/77         | 10             | 157             | 4021N                                   | 09704E       | 21.0         | 144.1                              | GGGG                |                      | 146                     | 32                     |
| 2729-03200        | 00000/0000                   | 2-20040/0004                | 01/20/77         | 0              | 157             | 3855N                                   | 09635E       | 21.9         | 143.4                              | FGGG                |                      | 146                     | 33                     |
| 2729-03202        | 00000/0000                   | 2-20040/0005                | 01/20/77         | 10             | 157             | 3729N                                   | 09607E       | 22.9         | 142.7                              | GGGG                |                      | 146                     | 34                     |
| 2729-03205        | 00000/0000                   | 2-20040/0006                | 01/20/77         | 40             | 157             | 3603N                                   | 09539E       | 23.9         | 142.1                              | GGGG                |                      | 146                     | 35                     |
| 2729-03211        | 00000/0000                   | 2-20040/0007                | 01/20/77         | 70             | 157             | 3438N                                   | 09512E       | 24.8         | 141.4                              | FGGG                |                      | 146                     | 36                     |
| 2729-03214        | 00000/0000                   | 2-20040/0008                | 01/20/77         | 90             | 157             | 3311N                                   | 09446E       | 25.8         | 140.6                              | GGGG                |                      | 146                     | 37                     |
| 2729-03220        | 00000/0000                   | 2-20040/0009                | 01/20/77         | 70             | 157             | 3145N                                   | 09421E       | 26.7         | 139.9                              | GGGG                |                      | 146                     | 38                     |
| 2729-03223        | 00000/0000                   | 2-20040/0010                | 01/20/77         | 60             | 157             | 3019N                                   | 09356E       | 27.6         | 139.2                              | GGGG                |                      | 146                     | 39                     |
| 2729-03225        | 00000/0000                   | 2-20040/0011                | 01/20/77         | 50             | 157             | 2853N                                   | 09332E       | 28.5         | 138.4                              | GGGG                |                      | 146                     | 40                     |
| 2729-03232        | 00000/0000                   | 2-20040/0012                | 01/20/77         | 90             | 157             | 2726N                                   | 09308E       | 29.4         | 137.6                              | GGGG                |                      | 146                     | 41                     |
| 2729-04595        | 00000/0000                   | 2-20040/0013                | 01/20/77         | 60             | 158             | 5018N                                   | 07515E       | 13.9         | 148.7                              | FGGG                |                      | 164                     | 25                     |
| 2729-05002        | 00000/0000                   | 2-20040/0014                | 01/20/77         | 90             | 158             | 4853N                                   | 07436E       | 15.0         | 148.0                              | GGGG                |                      | 164                     | 26                     |
| 2729-05004        | 00000/0000                   | 2-20040/0015                | 01/20/77         | 90             | 158             | 4728N                                   | 07359E       | 16.0         | 147.4                              | GGGG                |                      | 164                     | 27                     |
| 2729-05011        | 00000/0000                   | 2-20040/0016                | 01/20/77         | 50             | 158             | 4603N                                   | 07324E       | 17.0         | 146.7                              | GGGG                |                      | 164                     | 28                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR N4N=US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER | BRRIT<br>NUMBER | PRINCIPAL PRINT<br>OF IMAGE<br>LAT | PRINCIPAL PRINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------------------------|------------------|----------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2729-05013        | 00000/0000 2-20040/0017                        | 01/20/77         | 70             | 158             | 4498N                              | 07250E                              | 18.0         | 146.1        | GGGG              |                     |                      | 164                     | 29                     |
| 2729-05020        | 00000/0000 2-20040/0018                        | 01/20/77         | 70             | 158             | 4312N                              | 07218E                              | 19.0         | 145.4        | GGGG              |                     |                      | 164                     | 30                     |
| 2729-05022        | 00000/0000 2-20040/0019                        | 01/20/77         | 60             | 158             | 4146N                              | 07146E                              | 20.0         | 144.7        | GGGG              |                     |                      | 164                     | 31                     |
| 2729-05025        | 00000/0000 2-20040/0020                        | 01/20/77         | 60             | 158             | 4021N                              | 07116E                              | 21.0         | 144.1        | FGFG              |                     |                      | 164                     | 32                     |
| 2729-05031        | 00000/0000 2-20040/0021                        | 01/20/77         | 70             | 158             | 3855N                              | 07046E                              | 21.9         | 143.4        | GGGG              |                     |                      | 164                     | 33                     |
| 2729-05034        | 00000/0000 2-20040/0022                        | 01/20/77         | 50             | 158             | 3729N                              | 07018E                              | 22.9         | 142.7        | GGGG              |                     |                      | 164                     | 34                     |
| 2729-05040        | 00000/0000 2-20040/0023                        | 01/20/77         | 10             | 158             | 3603N                              | 06950E                              | 23.9         | 142.0        | GGGG              |                     |                      | 164                     | 35                     |
| 2729-05043        | 00000/0000 2-20040/0024                        | 01/20/77         | 10             | 158             | 3437N                              | 06924E                              | 24.8         | 141.3        | GGGG              |                     |                      | 164                     | 36                     |
| 2729-05045        | 00000/0000 2-20040/0025                        | 01/20/77         | 10             | 158             | 3311N                              | 06858E                              | 25.8         | 140.6        | FGGG              |                     |                      | 164                     | 37                     |
| 2729-05052        | 00000/0000 2-20040/0026                        | 01/20/77         | 10             | 158             | 3145N                              | 06832E                              | 26.7         | 139.9        | GGGG              |                     |                      | 164                     | 38                     |
| 2729-05054        | 00000/0000 2-20040/0027                        | 01/20/77         | 0              | 158             | 3019N                              | 06807E                              | 27.6         | 139.2        | GGGG              |                     |                      | 164                     | 39                     |
| 2729-05061        | 00000/0000 2-20040/0028                        | 01/20/77         | 0              | 158             | 2852N                              | 06743E                              | 28.5         | 138.4        | GGGG              |                     |                      | 164                     | 40                     |
| 2729-05063        | 00000/0000 2-20040/0029                        | 01/20/77         | 0              | 158             | 2726N                              | 06719E                              | 29.4         | 137.6        | FGGG              |                     |                      | 164                     | 41                     |
| 2729-05070        | 00000/0000 2-20040/0030                        | 01/20/77         | 0              | 158             | 2600N                              | 06656E                              | 30.3         | 136.8        | GGGG              |                     |                      | 164                     | 42                     |
| 2729-05072        | 00000/0000 2-20040/0031                        | 01/20/77         | 10             | 158             | 2433N                              | 06633E                              | 31.2         | 136.0        | GGFG              |                     |                      | 164                     | 43                     |
| 2729-05075        | 00000/0000 2-20040/0032                        | 01/20/77         | 10             | 158             | 2307N                              | 06611E                              | 32.0         | 135.2        | FGFG              |                     |                      | 164                     | 44                     |
| 2729-05081        | 00000/0000 2-20040/0033                        | 01/20/77         | 10             | 158             | 2140N                              | 06549E                              | 32.9         | 134.3        | GGFG              |                     |                      | 164                     | 45                     |
| 2729-05084        | 00000/0000 2-20040/0034                        | 01/20/77         | 10             | 158             | 2013N                              | 06526E                              | 33.7         | 133.4        | FGGG              |                     |                      | 164                     | 46                     |
| 2729-06425        | 00000/0000 2-20038/1652                        | 01/20/77         | 0              | 159             | 5142N                              | 05007E                              | 12.9         | 149.4        | GFG               |                     |                      | 182                     | 24                     |
| 2729-06452        | 00000/0000 2-20038/1653                        | 01/20/77         | 30             | 159             | 4311N                              | 04629E                              | 19.0         | 145.4        | GGGG              |                     |                      | 182                     | 30                     |
| 2729-06454        | 00000/0000 2-20038/1654                        | 01/20/77         | 70             | 159             | 4146N                              | 04558E                              | 20.0         | 144.7        | GGGG              |                     |                      | 182                     | 31                     |
| 2729-06461        | 00000/0000 2-20038/1655                        | 01/20/77         | 30             | 159             | 4020N                              | 04527E                              | 21.0         | 144.1        | GGGG              |                     |                      | 182                     | 32                     |
| 2729-06463        | 00000/0000 2-20038/1656                        | 01/20/77         | 50             | 159             | 3855N                              | 04458E                              | 22.0         | 143.4        | GGFG              |                     |                      | 182                     | 33                     |
| 2729-08263        | 00000/0000 2-20038/1633                        | 01/20/77         | 70             | 160             | 5020N                              | 02338E                              | 13.9         | 148.7        | GGGF              |                     |                      | 200                     | 25                     |
| 2729-13352        | 00000/0000 2-20038/1540                        | 01/20/77         | 100            | 163             | 5307N                              | 05226W                              | 11.9         | 150.1        | GFGG              |                     |                      | 3                       | 23                     |
| 2729-13355        | 00000/0000 2-20038/1541                        | 01/20/77         | 100            | 163             | 5143N                              | 05309W                              | 13.0         | 149.4        | FGG               |                     |                      | 3                       | 24                     |
| 2729-13361        | 00000/0000 2-20038/1542                        | 01/20/77         | 100            | 163             | 5018N                              | 05349W                              | 14.0         | 148.7        | GGFG              |                     |                      | 3                       | 25                     |
| 2729-13364        | 00000/0000 2-20038/1543                        | 01/20/77         | 90             | 163             | 4854N                              | 05428W                              | 15.0         | 148.0        | FFGG              |                     |                      | 3                       | 26                     |
| 2729-13370        | 00000/0000 2-20038/1544                        | 01/20/77         | 90             | 163             | 4729N                              | 05505W                              | 16.0         | 147.3        | FGGG              |                     |                      | 3                       | 27                     |
| 2729-13373        | 00000/0000 2-20038/1545                        | 01/20/77         | 90             | 163             | 4603N                              | 05540W                              | 17.0         | 146.7        | GGGF              |                     |                      | 3                       | 28                     |
| 2729-13375        | 00000/0000 2-20038/1546                        | 01/20/77         | 80             | 163             | 4438N                              | 05614W                              | 18.0         | 146.0        | GGGP              |                     |                      | 3                       | 29                     |
| 2729-13382        | 00000/0000 2-20038/1547                        | 01/20/77         | 90             | 163             | 4312N                              | 05647W                              | 19.0         | 145.3        | GGGG              |                     |                      | 3                       | 30                     |
| 2729-13384        | 00000/0000 2-20038/1548                        | 01/20/77         | 90             | 163             | 4147N                              | 05718W                              | 20.0         | 144.7        | GGGG              |                     |                      | 3                       | 31                     |
| 2729-17022        | 00000/0000 2-20038/1532                        | 01/20/77         | 40             | 165             | 5143N                              | 10447W                              | 13.0         | 149.3        | FFGG              |                     |                      | 39                      | 24                     |
| 2729-17025        | 00000/0000 2-20038/1533                        | 01/20/77         | 80             | 165             | 5018N                              | 10528W                              | 14.0         | 148.6        | GGGG              |                     |                      | 39                      | 25                     |
| 2730-01425        | 00000/0000 2-20038/1634                        | 01/21/77         | 10             | 170             | 3720N                              | 12031E                              | 23.0         | 142.6        | GGGG              |                     |                      | 129                     | 34                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 25, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NASA-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM ROLL NO.<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD COVER<br>NUMBER | ORBIT<br>NUMBER | PRINCIPAL POINT<br>OF IMAGE<br>LAT | PRINCIPAL POINT<br>OF IMAGE<br>LONG | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>RAW<br>NUMBER |
|-------------------|-----------------------------------------------|------------------|-----------------------|-----------------|------------------------------------|-------------------------------------|--------------|--------------|-------------------|---------------------|----------------------|-------------------------|------------------------|
| 2730-01431        | 00000/0000                                    | 2-20038/1635     | 01/21/77              | 10              | 170                                | 3604N                               | 12003E       | 24.0         | 141.9             | GGGF                |                      | 129                     | 35                     |
| 2730-01434        | 00000/0000                                    | 2-20038/1636     | 01/21/77              | 20              | 170                                | 3438N                               | 11937E       | 24.9         | 141.2             | GGGF                |                      | 129                     | 36                     |
| 2730-01440        | 00000/0000                                    | 2-20038/1637     | 01/21/77              | 30              | 170                                | 3312N                               | 11911E       | 25.9         | 140.4             | GGGF                |                      | 129                     | 37                     |
| 2730-01443        | 00000/0000                                    | 2-20038/1638     | 01/21/77              | 100             | 170                                | 3146N                               | 11845E       | 26.8         | 139.7             | GGGF                |                      | 129                     | 38                     |
| 2730-01445        | 00000/0000                                    | 2-20038/1639     | 01/21/77              | 100             | 170                                | 3020N                               | 11820E       | 27.7         | 139.0             | GGGF                |                      | 129                     | 39                     |
| 2730-01452        | 00000/0000                                    | 2-20038/1640     | 01/21/77              | 100             | 170                                | 2853N                               | 11756E       | 28.6         | 138.2             | GGGF                |                      | 129                     | 40                     |
| 2730-01454        | 00000/0000                                    | 2-20038/1641     | 01/21/77              | 90              | 170                                | 2727N                               | 11732E       | 29.5         | 137.4             | GGGF                |                      | 129                     | 41                     |
| 2730-01461        | 00000/0000                                    | 2-20038/1642     | 01/21/77              | 80              | 170                                | 2601N                               | 11709E       | 30.4         | 136.6             | GGGF                |                      | 129                     | 42                     |
| 2730-01463        | 00000/0000                                    | 2-20038/1643     | 01/21/77              | 60              | 170                                | 2435N                               | 11646E       | 31.3         | 135.8             | GGGF                |                      | 129                     | 43                     |
| 2730-01470        | 00000/0000                                    | 2-20038/1644     | 01/21/77              | 70              | 170                                | 2308N                               | 11623E       | 32.1         | 135.0             | GGGF                |                      | 129                     | 44                     |
| 2730-03240        | 00000/0000                                    | 2-20039/0882     | 01/21/77              | 10              | 171                                | 4438N                               | 09712E       | 18.1         | 145.9             | FFFF                |                      | 147                     | 29                     |
| 2730-03243        | 00000/0000                                    | 2-20039/0883     | 01/21/77              | 10              | 171                                | 4312N                               | 09640E       | 19.1         | 145.2             | FFFF                |                      | 147                     | 30                     |
| 2730-03245        | 00000/0000                                    | 2-20039/0884     | 01/21/77              | 10              | 171                                | 4146N                               | 09609E       | 20.1         | 144.6             | FFFF                |                      | 147                     | 31                     |
| 2730-03252        | 00000/0000                                    | 2-20039/0885     | 01/21/77              | 0               | 171                                | 4021N                               | 09538E       | 21.1         | 143.9             | FFFF                |                      | 147                     | 32                     |
| 2730-03254        | 00000/0000                                    | 2-20039/0886     | 01/21/77              | 0               | 171                                | 3855N                               | 09509E       | 22.1         | 143.2             | FFFF                |                      | 147                     | 33                     |
| 2730-03261        | 00000/0000                                    | 2-20039/0887     | 01/21/77              | 0               | 171                                | 3729N                               | 09441E       | 23.1         | 142.5             | FFFF                |                      | 147                     | 34                     |
| 2730-03263        | 00000/0000                                    | 2-20039/0888     | 01/21/77              | 10              | 171                                | 3603N                               | 09413E       | 24.0         | 141.9             | FFFF                |                      | 147                     | 35                     |
| 2730-03270        | 00000/0000                                    | 2-20039/0889     | 01/21/77              | 10              | 171                                | 3437N                               | 09347E       | 25.0         | 141.1             | FFFF                |                      | 147                     | 36                     |
| 2730-03272        | 00000/0000                                    | 2-20039/0890     | 01/21/77              | 10              | 171                                | 3311N                               | 09321E       | 25.9         | 140.4             | FFFF                |                      | 147                     | 37                     |
| 2730-03275        | 00000/0000                                    | 2-20039/0891     | 01/21/77              | 20              | 171                                | 3145N                               | 09255E       | 26.8         | 139.7             | FFFF                |                      | 147                     | 38                     |
| 2730-03281        | 00000/0000                                    | 2-20039/0892     | 01/21/77              | 20              | 171                                | 3018N                               | 09230E       | 27.7         | 139.0             | FFFF                |                      | 147                     | 39                     |
| 2730-03284        | 00000/0000                                    | 2-20039/0893     | 01/21/77              | 70              | 171                                | 2852N                               | 09206E       | 28.6         | 138.2             | FFFF                |                      | 147                     | 40                     |
| 2730-03290        | 00000/0000                                    | 2-20039/0894     | 01/21/77              | 30              | 171                                | 2726N                               | 09142E       | 29.5         | 137.4             | FFFF                |                      | 147                     | 41                     |
| 2730-03293        | 00000/0000                                    | 2-20039/0895     | 01/21/77              | 40              | 171                                | 2559N                               | 09119E       | 30.4         | 136.6             | FFFF                |                      | 147                     | 42                     |
| 2730-03295        | 00000/0000                                    | 2-20039/0896     | 01/21/77              | 10              | 171                                | 2432N                               | 09057E       | 31.3         | 135.8             | FFFF                |                      | 147                     | 43                     |
| 2730-03302        | 00000/0000                                    | 2-20039/0897     | 01/21/77              | 20              | 171                                | 2306N                               | 09034E       | 32.1         | 134.9             | FFFF                |                      | 147                     | 44                     |
| 2730-03304        | 00000/0000                                    | 2-20039/0898     | 01/21/77              | 10              | 171                                | 2139N                               | 09012E       | 33.0         | 134.1             | FFFF                |                      | 147                     | 45                     |
| 2730-03311        | 00000/0000                                    | 2-20039/0899     | 01/21/77              | 20              | 171                                | 2013N                               | 08949E       | 33.8         | 133.2             | FFFF                |                      | 147                     | 46                     |
| 2730-03313        | 00000/0000                                    | 2-20039/0900     | 01/21/77              | 40              | 171                                | 1847N                               | 08927E       | 34.6         | 132.3             | FFFF                |                      | 147                     | 47                     |
| 2730-03320        | 00000/0000                                    | 2-20039/0901     | 01/21/77              | 10              | 171                                | 1720N                               | 08906E       | 35.4         | 131.3             | FFFF                |                      | 147                     | 48                     |
| 2730-03322        | 00000/0000                                    | 2-20039/0902     | 01/21/77              | 10              | 171                                | 1544N                               | 08845E       | 36.1         | 130.3             | FFFF                |                      | 147                     | 49                     |
| 2730-05042        | 00000/0000                                    | 2-20039/0903     | 01/21/77              | 10              | 172                                | 5432N                               | 07558E       | 11.0         | 150.7             | PPFG                |                      | 165                     | 22                     |
| 2730-05045        | 00000/0000                                    | 2-20039/0904     | 01/21/77              | 30              | 172                                | 5307N                               | 07513E       | 12.1         | 150.0             | PPFG                |                      | 165                     | 23                     |
| 2730-05051        | 00000/0000                                    | 2-20039/0905     | 01/21/77              | 50              | 172                                | 5142N                               | 07429E       | 13.1         | 149.3             | PPFG                |                      | 165                     | 24                     |
| 2730-05054        | 00000/0000                                    | 2-20039/0906     | 01/21/77              | 50              | 172                                | 5018N                               | 07349E       | 14.1         | 148.6             | PPFG                |                      | 165                     | 25                     |
| 2730-05060        | 00000/0000                                    | 2-20039/0907     | 01/21/77              | 50              | 172                                | 4853N                               | 07310E       | 15.1         | 147.9             | PPFG                |                      | 165                     | 26                     |

KEYS: CLOUD COVER 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REV | ROLL NO.<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | BRIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LANG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>REV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|----------------------------|------------------|----------------|----------------|------------------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-------------------------|------------------------|
| 2730-05063        | 00000/0000                   | 2-20039/0908               | 01/21/77         | 80             | 172            | 4728N                        | 07234E        | 16.2         | 147.2        | FGGF                  |                     |                      | 165                     | 27                     |
| 2730-05065        | 00000/0000                   | 2-20039/0909               | 01/21/77         | 90             | 172            | 4603N                        | 07158E        | 17.2         | 146.5        | FGGF                  |                     |                      | 165                     | 28                     |
| 2730-05072        | 00000/0000                   | 2-20039/0910               | 01/21/77         | 90             | 172            | 4437N                        | 07124E        | 18.2         | 145.9        | FGGF                  |                     |                      | 165                     | 29                     |
| 2730-05074        | 00000/0000                   | 2-20039/0911               | 01/21/77         | 80             | 172            | 4312N                        | 07051E        | 19.2         | 145.2        | FGGF                  |                     |                      | 165                     | 30                     |
| 2730-05081        | 00000/0000                   | 2-20039/0912               | 01/21/77         | 90             | 172            | 4146N                        | 07020E        | 20.1         | 144.6        | FFGF                  |                     |                      | 165                     | 31                     |
| 2730-05083        | 00000/0000                   | 2-20039/0913               | 01/21/77         | 60             | 172            | 4021N                        | 06950E        | 21.1         | 143.9        | FFGF                  |                     |                      | 165                     | 32                     |
| 2730-05090        | 00000/0000                   | 2-20039/0914               | 01/21/77         | 80             | 172            | 3854N                        | 06921E        | 22.1         | 143.2        | GGGF                  |                     |                      | 165                     | 33                     |
| 2730-05092        | 00000/0000                   | 2-20039/0915               | 01/21/77         | 90             | 172            | 3728N                        | 06852E        | 23.1         | 142.5        | GGGF                  |                     |                      | 165                     | 34                     |
| 2730-05095        | 00000/0000                   | 2-20039/0916               | 01/21/77         | 90             | 172            | 3603N                        | 06825E        | 24.0         | 141.8        | FFGF                  |                     |                      | 165                     | 35                     |
| 2730-05101        | 00000/0000                   | 2-20039/0917               | 01/21/77         | 70             | 172            | 3437N                        | 06758E        | 25.0         | 141.1        | FGGG                  |                     |                      | 165                     | 36                     |
| 2730-05110        | 00000/0000                   | 2-20039/0918               | 01/21/77         | 50             | 172            | 3144N                        | 06706E        | 26.8         | 139.7        | GGGG                  |                     |                      | 165                     | 38                     |
| 2730-05113        | 00000/0000                   | 2-20039/0919               | 01/21/77         | 30             | 172            | 3018N                        | 06641E        | 27.8         | 138.9        | GGGG                  |                     |                      | 165                     | 39                     |
| 2730-05115        | 00000/0000                   | 2-20039/0920               | 01/21/77         | 10             | 172            | 2852N                        | 06617E        | 28.7         | 138.2        | GGGG                  |                     |                      | 165                     | 40                     |
| 2730-05122        | 00000/0000                   | 2-20039/0921               | 01/21/77         | 10             | 172            | 2726N                        | 06553E        | 29.6         | 137.4        | GGGG                  |                     |                      | 165                     | 41                     |
| 2730-05124        | 00000/0000                   | 2-20039/0922               | 01/21/77         | 10             | 172            | 2559N                        | 06530E        | 30.4         | 136.6        | GGGG                  |                     |                      | 165                     | 42                     |
| 2730-05131        | 00000/0000                   | 2-20039/0923               | 01/21/77         | 10             | 172            | 2433N                        | 06507E        | 31.3         | 135.8        | GGGG                  |                     |                      | 165                     | 43                     |
| 2730-05133        | 00000/0000                   | 2-20039/0924               | 01/21/77         | 0              | 172            | 2307N                        | 06445E        | 32.2         | 134.9        | GGFF                  |                     |                      | 165                     | 44                     |
| 2730-05140        | 00000/0000                   | 2-20039/0925               | 01/21/77         | 0              | 172            | 2140N                        | 06423E        | 33.0         | 134.0        | GGGG                  |                     |                      | 165                     | 45                     |
| 2730-06494        | 00000/0000                   | 2-20039/1645               | 01/21/77         | 0              | 173            | 4727N                        | 04644E        | 16.2         | 147.2        | GGGG                  |                     |                      | 183                     | 27                     |
| 2730-06501        | 00000/0000                   | 2-20039/1646               | 01/21/77         | 0              | 173            | 4603N                        | 04610E        | 17.2         | 146.5        | GGGF                  |                     |                      | 183                     | 28                     |
| 2730-06503        | 00000/0000                   | 2-20039/1647               | 01/21/77         | 10             | 173            | 4438N                        | 04536E        | 18.2         | 145.9        | FGGG                  |                     |                      | 183                     | 29                     |
| 2730-06510        | 00000/0000                   | 2-20039/1648               | 01/21/77         | 30             | 173            | 4312N                        | 04504E        | 19.2         | 145.2        | GGGG                  |                     |                      | 183                     | 30                     |
| 2730-06512        | 00000/0000                   | 2-20039/1649               | 01/21/77         | 70             | 173            | 4146N                        | 04433E        | 20.2         | 144.5        | GGGG                  |                     |                      | 183                     | 31                     |
| 2730-06515        | 00000/0000                   | 2-20039/1650               | 01/21/77         | 30             | 173            | 4020N                        | 04402E        | 21.1         | 143.9        | GGGG                  |                     |                      | 183                     | 32                     |
| 2730-08303        | 00000/0000                   | 2-20039/1651               | 01/21/77         | 10             | 174            | 5557N                        | 02510E        | 10.0         | 151.5        | FGGG                  |                     |                      | 201                     | 21                     |
| 2730-13404        | 00000/0000                   | 2-20039/1559               | 01/21/77         | 90             | 177            | 5421N                        | 05309W        | 11.1         | 150.7        | FGGG                  |                     |                      | 4                       | 22                     |
| 2730-13411        | 00000/0000                   | 2-20039/1560               | 01/21/77         | 90             | 177            | 5307N                        | 05354W        | 12.1         | 149.9        | GGGG                  |                     |                      | 4                       | 23                     |
| 2730-13413        | 00000/0000                   | 2-20039/1561               | 01/21/77         | 90             | 177            | 5142N                        | 05437W        | 13.2         | 149.2        | GGGG                  |                     |                      | 4                       | 24                     |
| 2730-13420        | 00000/0000                   | 2-20039/1562               | 01/21/77         | 90             | 177            | 5018N                        | 05517W        | 14.2         | 148.5        | FGGG                  |                     |                      | 4                       | 25                     |
| 2730-13422        | 00000/0000                   | 2-20039/1563               | 01/21/77         | 90             | 177            | 4853N                        | 05556W        | 15.2         | 147.8        | GGGG                  |                     |                      | 4                       | 26                     |
| 2730-13425        | 00000/0000                   | 2-20039/1564               | 01/21/77         | 90             | 177            | 4728N                        | 05632W        | 16.2         | 147.2        | GGGG                  |                     |                      | 4                       | 27                     |
| 2730-13431        | 00000/0000                   | 2-20039/1565               | 01/21/77         | 90             | 177            | 4603N                        | 05707W        | 17.2         | 146.5        | GGGG                  |                     |                      | 4                       | 28                     |
| 2730-13434        | 00000/0000                   | 2-20039/1566               | 01/21/77         | 60             | 177            | 4438N                        | 05741W        | 18.2         | 145.8        | GGGG                  |                     |                      | 4                       | 29                     |
| 2730-13440        | 00000/0000                   | 2-20039/1567               | 01/21/77         | 80             | 177            | 4313N                        | 05814W        | 19.2         | 145.2        | GGGG                  |                     |                      | 4                       | 30                     |
| 2730-13443        | 00000/0000                   | 2-20039/1568               | 01/21/77         | 50             | 177            | 4147N                        | 05846W        | 20.2         | 144.5        | GGGG                  |                     |                      | 4                       | 31                     |
| 2730-17071        | 00000/0000                   | 2-20039/1534               | 01/21/77         | 80             | 179            | 5421N                        | 10447W        | 11.1         | 150.6        | GGGG                  |                     |                      | 40                      | 22                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANK)=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANHSAT-2  
OBSERVATION ID LISTING  
FOR NAM-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINCIPAL<br>OF IMAGE<br>LONG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|------------------------------|-----------------------------|------------------|----------------|---------------|------------------------------|-------------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2730-17074        | 00000/0000                   | 2-2003R/1535                | 01/21/77         | 70             | 179           | 5306N                        | 10533W                        | 12.2         | 149.9        | GGGF                               |                     |                      | 40                      | 23                     |
| 2730-17080        | 00000/0000                   | 2-2003R/1536                | 01/21/77         | 80             | 179           | 5142N                        | 10616W                        | 13.2         | 149.2        | GGGG                               |                     |                      | 40                      | 24                     |
| 2730-17083        | 00000/0000                   | 2-2003R/1537                | 01/21/77         | 90             | 179           | 5017N                        | 10656W                        | 14.2         | 148.5        | FGGG                               |                     |                      | 40                      | 25                     |
| 2730-18505        | 00000/0000                   | 2-2003R/1538                | 01/21/77         | 80             | 180           | 5307N                        | 13120W                        | 12.2         | 149.9        | GGGG                               |                     |                      | 58                      | 23                     |
| 2730-18512        | 00000/0000                   | 2-2003R/1539                | 01/21/77         | 90             | 180           | 5123N                        | 13203W                        | 13.2         | 149.2        | FGGG                               |                     |                      | 58                      | 24                     |
| 2731-01481        | 00000/0000                   | 2-2003R/1657                | 01/22/77         | 20             | 184           | 3856N                        | 11932E                        | 22.2         | 143.0        | GGGF                               |                     |                      | 130                     | 33                     |
| 2731-01483        | 00000/0000                   | 2-2003R/1658                | 01/22/77         | 40             | 184           | 3790N                        | 11903E                        | 23.2         | 142.4        | GGGG                               |                     |                      | 130                     | 34                     |
| 2731-01490        | 00000/0000                   | 2-2003R/1659                | 01/22/77         | 80             | 184           | 3604N                        | 11836E                        | 24.2         | 141.7        | GGGG                               |                     |                      | 130                     | 35                     |
| 2731-01492        | 00000/0000                   | 2-2003R/1660                | 01/22/77         | 70             | 184           | 3438N                        | 11810E                        | 25.1         | 141.0        | GGGG                               |                     |                      | 130                     | 36                     |
| 2731-01495        | 00000/0000                   | 2-2003R/1661                | 01/22/77         | 70             | 184           | 3311N                        | 11744E                        | 26.0         | 140.2        | GGGG                               |                     |                      | 130                     | 37                     |
| 2731-01501        | 00000/0000                   | 2-2003R/1662                | 01/22/77         | 80             | 184           | 3145N                        | 11719E                        | 27.0         | 139.5        | GGGG                               |                     |                      | 130                     | 38                     |
| 2731-01504        | 00000/0000                   | 2-2003R/1663                | 01/22/77         | 80             | 184           | 3018N                        | 11654E                        | 27.9         | 138.7        | GGGG                               |                     |                      | 130                     | 39                     |
| 2731-01510        | 00000/0000                   | 2-2003R/1664                | 01/22/77         | 90             | 184           | 2852N                        | 11630E                        | 28.8         | 138.0        | GGGG                               |                     |                      | 130                     | 40                     |
| 2731-01513        | 00000/0000                   | 2-2003R/1665                | 01/22/77         | 100            | 184           | 2726N                        | 11606E                        | 29.7         | 137.2        | GGGG                               |                     |                      | 130                     | 41                     |
| 2731-01515        | 00000/0000                   | 2-2003R/1666                | 01/22/77         | 100            | 184           | 2600N                        | 11543E                        | 30.5         | 136.4        | GGGG                               |                     |                      | 130                     | 42                     |
| 2731-03301        | 00000/0000                   | 2-2003R/0148                | 01/22/77         | 10             | 185           | 4312N                        | 09516E                        | 19.3         | 145.1        | PPFF                               |                     |                      | 148                     | 30                     |
| 2731-03303        | 00000/0000                   | 2-2003R/0149                | 01/22/77         | 0              | 185           | 4146N                        | 09444E                        | 20.3         | 144.4        | FGGF                               |                     |                      | 148                     | 31                     |
| 2731-03310        | 00000/0000                   | 2-2003R/0150                | 01/22/77         | 0              | 185           | 4021N                        | 09413E                        | 21.3         | 143.7        | PPFG                               |                     |                      | 148                     | 32                     |
| 2731-03312        | 00000/0000                   | 2-2003R/0151                | 01/22/77         | 10             | 185           | 3855N                        | 09344E                        | 22.3         | 143.0        | PPFF                               |                     |                      | 148                     | 33                     |
| 2731-03315        | 00000/0000                   | 2-2003R/0152                | 01/22/77         | 30             | 185           | 3729N                        | 09316E                        | 23.2         | 142.3        | PPFF                               |                     |                      | 148                     | 34                     |
| 2731-03321        | 00000/0000                   | 2-2003R/0153                | 01/22/77         | 10             | 185           | 3603N                        | 09248E                        | 24.2         | 141.6        | FFFF                               |                     |                      | 148                     | 35                     |
| 2731-03324        | 00000/0000                   | 2-2003R/0154                | 01/22/77         | 0              | 185           | 3437N                        | 09221E                        | 25.1         | 140.9        | FFGF                               |                     |                      | 148                     | 36                     |
| 2731-03330        | 00000/0000                   | 2-2003R/0155                | 01/22/77         | 0              | 185           | 3311N                        | 09155E                        | 26.0         | 140.2        | GGGG                               |                     |                      | 148                     | 37                     |
| 2731-03333        | 00000/0000                   | 2-2003R/0156                | 01/22/77         | 10             | 185           | 3145N                        | 09130E                        | 27.0         | 139.5        | FFGG                               |                     |                      | 148                     | 38                     |
| 2731-03335        | 00000/0000                   | 2-2003R/0157                | 01/22/77         | 0              | 185           | 3019N                        | 09105E                        | 27.9         | 138.7        | GGGG                               |                     |                      | 148                     | 39                     |
| 2731-03342        | 00000/0000                   | 2-2003R/0158                | 01/22/77         | 10             | 185           | 2853N                        | 09041E                        | 28.8         | 138.0        | GGGF                               |                     |                      | 148                     | 40                     |
| 2731-03344        | 00000/0000                   | 2-2003R/0159                | 01/22/77         | 10             | 185           | 2726N                        | 09017E                        | 29.7         | 137.2        | FFGF                               |                     |                      | 148                     | 41                     |
| 2731-03351        | 00000/0000                   | 2-2003R/0160                | 01/22/77         | 10             | 185           | 2559N                        | 08954E                        | 30.5         | 136.4        | PPGF                               |                     |                      | 148                     | 42                     |
| 2731-03353        | 00000/0000                   | 2-2003R/0161                | 01/22/77         | 0              | 185           | 2433N                        | 08931E                        | 31.4         | 135.5        | PPGG                               |                     |                      | 148                     | 43                     |
| 2731-03360        | 00000/0000                   | 2-2003R/0162                | 01/22/77         | 0              | 185           | 2306N                        | 08908E                        | 32.3         | 134.7        | PPGG                               |                     |                      | 148                     | 44                     |
| 2731-03362        | 00000/0000                   | 2-2003R/0163                | 01/22/77         | 10             | 185           | 2140N                        | 08846E                        | 33.1         | 133.8        | PPGG                               |                     |                      | 148                     | 45                     |
| 2731-03365        | 00000/0000                   | 2-2003R/0164                | 01/22/77         | 10             | 185           | 2014N                        | 08825E                        | 33.9         | 132.9        | FGGF                               |                     |                      | 148                     | 46                     |
| 2731-03371        | 00000/0000                   | 2-2003R/0165                | 01/22/77         | 10             | 185           | 1847N                        | 08803E                        | 34.7         | 132.0        | GGGG                               |                     |                      | 148                     | 47                     |
| 2731-03374        | 00000/0000                   | 2-2003R/0166                | 01/22/77         | 10             | 185           | 1720N                        | 08742E                        | 35.5         | 131.0        | GGGG                               |                     |                      | 148                     | 48                     |
| 2731-03380        | 00000/0000                   | 2-2003R/0167                | 01/22/77         | 20             | 185           | 1553N                        | 08721E                        | 36.2         | 130.1        | GGGF                               |                     |                      | 148                     | 49                     |
| 2731-03383        | 00000/0000                   | 2-2003R/0168                | 01/22/77         | 20             | 185           | 1426N                        | 08700E                        | 37.0         | 129.1        | GGGG                               |                     |                      | 148                     | 50                     |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK, NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
OBSERVATION ID LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

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| OBSERVATION<br>ID | MICROFILM<br>POSITION IN ROLL<br>RBV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER | SUN<br>ORBIT<br>NUMBER | PRINCIPAL<br>OF IMAGE<br>LAT | PRINT<br>LRNG | SUN<br>FLEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUMBER | FRAME<br>ROW<br>NUMBER |
|-------------------|--------------------------------------|------------------|------------------|----------------|------------------------|------------------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|------------------------|
| 2731-05100        | 00000/0000                           | 2-20039/0169     | 01/22/77         | 20             | 186                    | 5431N                        | 07430E        | 11.2         | 150.6        | FGGP                               |                     |                      | 166                     | 22                     |
| 2731-05103        | 00000/0000                           | 2-20039/0170     | 01/22/77         | 40             | 186                    | 5307N                        | 07345E        | 12.3         | 149.8        | FGGP                               |                     |                      | 166                     | 23                     |
| 2731-05105        | 00000/0000                           | 2-20039/0171     | 01/22/77         | 50             | 186                    | 5142N                        | 07302E        | 13.3         | 149.1        | FGGP                               |                     |                      | 166                     | 24                     |
| 2731-05112        | 00000/0000                           | 2-20039/0172     | 01/22/77         | 50             | 186                    | 5017N                        | 07222E        | 14.3         | 148.4        | FGGP                               |                     |                      | 166                     | 25                     |
| 2731-05114        | 00000/0000                           | 2-20039/0173     | 01/22/77         | 40             | 186                    | 4852N                        | 07143E        | 15.3         | 147.7        | FGGP                               |                     |                      | 166                     | 26                     |
| 2731-05121        | 00000/0000                           | 2-20039/0174     | 01/22/77         | 10             | 186                    | 4707N                        | 07106E        | 16.3         | 147.0        | GGGF                               |                     |                      | 166                     | 27                     |
| 2731-05123        | 00000/0000                           | 2-20039/0175     | 01/22/77         | 10             | 186                    | 4602N                        | 07031E        | 17.3         | 146.4        | GGGF                               |                     |                      | 166                     | 28                     |
| 2731-05130        | 00000/0000                           | 2-20039/0176     | 01/22/77         | 10             | 186                    | 4437N                        | 06957E        | 18.3         | 145.7        | GGGF                               |                     |                      | 166                     | 29                     |
| 2731-05132        | 00000/0000                           | 2-20039/0177     | 01/22/77         | 20             | 186                    | 4311N                        | 06925E        | 19.3         | 145.0        | GGGF                               |                     |                      | 166                     | 30                     |
| 2731-05135        | 00000/0000                           | 2-20039/0178     | 01/22/77         | 40             | 186                    | 4146N                        | 06853E        | 20.3         | 144.4        | GGGF                               |                     |                      | 166                     | 31                     |
| 2731-05141        | 00000/0000                           | 2-20039/0179     | 01/22/77         | 50             | 186                    | 4020N                        | 06822E        | 21.3         | 143.7        | GGGF                               |                     |                      | 166                     | 32                     |
| 2731-05144        | 00000/0000                           | 2-20039/0180     | 01/22/77         | 70             | 186                    | 3854N                        | 06753E        | 22.3         | 143.0        | GGGF                               |                     |                      | 166                     | 33                     |
| 2731-05150        | 00000/0000                           | 2-20039/0181     | 01/22/77         | 90             | 186                    | 3728N                        | 06724E        | 23.2         | 142.3        | GGGF                               |                     |                      | 166                     | 34                     |
| 2731-05153        | 00000/0000                           | 2-20039/0182     | 01/22/77         | 90             | 186                    | 3602N                        | 06656E        | 24.2         | 141.6        | GGGF                               |                     |                      | 166                     | 35                     |
| 2731-06552        | 00000/0000                           | 2-20039/1681     | 01/22/77         | 80             | 187                    | 4707N                        | 04517E        | 16.4         | 147.0        | FFFF                               |                     |                      | 184                     | 27                     |
| 2731-06555        | 00000/0000                           | 2-20039/1616     | 01/22/77         | 90             | 187                    | 4602N                        | 04443E        | 17.4         | 146.4        | GGGF                               |                     |                      | 184                     | 28                     |
| 2731-06561        | 00000/0000                           | 2-20039/1617     | 01/22/77         | 100            | 187                    | 4437N                        | 04409E        | 18.4         | 145.7        | FGGF                               |                     |                      | 184                     | 29                     |
| 2731-06564        | 00000/0000                           | 2-20039/1618     | 01/22/77         | 60             | 187                    | 4312N                        | 04337E        | 19.3         | 145.0        | GGGF                               |                     |                      | 184                     | 30                     |
| 2731-13462        | 00000/0000                           | 2-20039/1549     | 01/22/77         | 60             | 191                    | 5432N                        | 05433W        | 11.3         | 150.5        | GGGF                               |                     |                      | 5                       | 22                     |
| 2731-13465        | 00000/0000                           | 2-20039/1550     | 01/22/77         | 90             | 191                    | 5307N                        | 05519W        | 12.3         | 149.8        | GGGF                               |                     |                      | 5                       | 23                     |
| 2731-13471        | 00000/0000                           | 2-20039/1551     | 01/22/77         | 30             | 191                    | 5142N                        | 05601W        | 13.3         | 149.1        | GGGF                               |                     |                      | 5                       | 24                     |
| 2731-13474        | 00000/0000                           | 2-20039/1552     | 01/22/77         | 30             | 191                    | 5018N                        | 05641W        | 14.4         | 148.4        | GGGF                               |                     |                      | 5                       | 25                     |
| 2731-13480        | 00000/0000                           | 2-20039/1553     | 01/22/77         | 30             | 191                    | 4853N                        | 05720W        | 15.4         | 147.7        | GGGF                               |                     |                      | 5                       | 26                     |
| 2731-13483        | 00000/0000                           | 2-20039/1554     | 01/22/77         | 80             | 191                    | 4728N                        | 05757W        | 16.4         | 147.0        | GGGF                               |                     |                      | 5                       | 27                     |
| 2731-13485        | 00000/0000                           | 2-20039/1555     | 01/22/77         | 70             | 191                    | 4603N                        | 05833W        | 17.4         | 146.3        | GGGF                               |                     |                      | 5                       | 28                     |
| 2731-13492        | 00000/0000                           | 2-20039/1556     | 01/22/77         | 30             | 191                    | 4438N                        | 05906W        | 18.4         | 145.6        | GGGF                               |                     |                      | 5                       | 29                     |
| 2731-13494        | 00000/0000                           | 2-20039/1557     | 01/22/77         | 80             | 191                    | 4312N                        | 05939W        | 19.4         | 145.0        | GGGF                               |                     |                      | 5                       | 30                     |
| 2731-13501        | 00000/0000                           | 2-20039/1558     | 01/22/77         | 90             | 191                    | 4147N                        | 06010W        | 20.4         | 144.3        | GGGF                               |                     |                      | 5                       | 31                     |
| 2731-17125        | 00000/0000                           | 2-20039/1583     | 01/22/77         | 100            | 193                    | 5432N                        | 10612W        | 11.3         | 150.5        | FGGF                               |                     |                      | 41                      | 22                     |
| 2731-17132        | 00000/0000                           | 2-20039/1584     | 01/22/77         | 80             | 193                    | 5307N                        | 10657W        | 12.4         | 149.8        | FGGF                               |                     |                      | 41                      | 23                     |
| 2731-17134        | 00000/0000                           | 2-20039/1585     | 01/22/77         | 40             | 193                    | 5143N                        | 10740W        | 13.4         | 149.0        | GGGF                               |                     |                      | 41                      | 24                     |
| 2731-17141        | 00000/0000                           | 2-20039/1586     | 01/22/77         | 10             | 193                    | 5019N                        | 10820W        | 14.4         | 148.3        | GGGF                               |                     |                      | 41                      | 25                     |
| 2731-17200        | 00000/0000                           | 2-20039/1587     | 01/22/77         | 40             | 193                    | 3019N                        | 11527W        | 28.0         | 138.6        | GGGF                               |                     |                      | 41                      | 39                     |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK, NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

# **COORDINATE LISTING**

02144 APR 24, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0494

| PRINCIPAL POINT<br>OF IMAGE | PRESERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|--------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                    | RBY<br>MSS                              |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 17840E                      | 3721S              | 2405-21050                              | 00000/0000       | 2-20021/1071        | 03/02/76        | 90           | 5649         | 36.9                  | 67.4                |                      |                       |                      |
| 17838E                      | 3717S              | 2357-21053                              | 00000/0000       | 2-20020/1349        | 02/13/76        | 70           | 5398         | 40.8                  | 74.2                | GGGG                 | 75                    | 86                   |
| 17821E                      | 3841S              | 2495-21025                              | 00000/0000       | 2-20025/0569        | 05/31/76        | 10           | 6904         | 15.9                  | 43.3                | FGG                  | 75                    | 86                   |
| 17811E                      | 3846S              | 2405-21027                              | 00000/0000       | 2-20021/1072        | 03/02/76        | 90           | 5649         | 36.1                  | 66.7                | GGGG                 | 75                    | 87                   |
| 17810E                      | 3842S              | 2387-21040                              | 00000/0000       | 2-20020/1350        | 02/13/76        | 80           | 5398         | 40.1                  | 73.3                | GGGG                 | 75                    | 87                   |
| 17711E                      | 3720S              | 2388-21112                              | 00000/0000       | 2-20020/1544        | 02/14/76        | 40           | 5412         | 40.6                  | 73.8                | GGGG                 | 76                    | 86                   |
| 17643E                      | 3844S              | 2388-21114                              | 00000/0000       | 2-20020/1545        | 02/14/76        | 80           | 5412         | 39.9                  | 73.0                | GGGG                 | 76                    | 87                   |
| 17614E                      | 4008S              | 2388-21121                              | 00000/0000       | 2-20020/1546        | 02/14/76        | 90           | 5412         | 39.2                  | 72.2                | FGGG                 | 76                    | 88                   |
| 17611E                      | 3554S              | 2389-21163                              | 00000/0000       | 2-20020/1620        | 02/15/76        | 40           | 5426         | 41.0                  | 74.4                | GGGG                 | 77                    | 85                   |
| 17551E                      | 3719S              | 2407-21163                              | 00000/0000       | 2-20021/1083        | 03/04/76        | 90           | 5677         | 36.4                  | 66.6                | GGGG                 | 77                    | 86                   |
| 17544E                      | 3719S              | 2349-21170                              | 00000/0000       | 2-20020/1621        | 02/15/76        | 40           | 5426         | 40.4                  | 73.5                | GGGG                 | 77                    | 86                   |
| 17543E                      | 4133S              | 2388-21123                              | 00000/0000       | 2-20020/1547        | 02/14/76        | 90           | 5412         | 38.5                  | 71.4                | GGGG                 | 76                    | 89                   |
| 17523E                      | 3845S              | 2407-21165                              | 00000/0000       | 2-20021/1084        | 03/04/76        | 60           | 5677         | 35.6                  | 66.0                | GGGG                 | 77                    | 87                   |
| 17521E                      | 3850S              | 2695-21080                              | 00000/0000       | 2-20037/1008        | 12/17/76        | 90           | 9693         | 47.7                  | 82.7                | GGGG                 | 77                    | 87                   |
| 17516E                      | 3844S              | 2389-21172                              | 00000/0000       | 2-20020/1622        | 02/15/76        | 30           | 5426         | 39.7                  | 72.6                | GGGG                 | 77                    | 87                   |
| 17454E                      | 4011S              | 2407-21172                              | 00000/0000       | 2-20021/1085        | 03/04/76        | 70           | 5677         | 34.8                  | 65.4                | GGGG                 | 77                    | 88                   |
| 17447E                      | 4009S              | 2359-21175                              | 00000/0000       | 2-20020/1623        | 02/15/76        | 60           | 5426         | 39.0                  | 71.8                | GGGG                 | 77                    | 88                   |
| 17434E                      | 7917S              | 2359-18035                              | 00000/0000       | 2-20020/1619        | 02/15/76        | 10           | 5424         | 11.0                  | 100.6               | GGGG                 | 41                    | 118                  |
| 17424E                      | 4137S              | 2407-21174                              | 00000/0000       | 2-20021/1086        | 03/04/76        | 50           | 5677         | 33.9                  | 64.8                | GGGG                 | 77                    | 89                   |
| 17419E                      | 3720S              | 2390-21224                              | 00000/0000       | 2-20020/1461        | 02/16/76        | 30           | 5440         | 40.1                  | 73.1                | FFGG                 | 78                    | 86                   |
| 17418E                      | 4134S              | 2389-21181                              | 00000/0000       | 2-20020/1624        | 02/15/76        | 60           | 5426         | 38.2                  | 71.1                | GGGG                 | 77                    | 89                   |
| 17353E                      | 4302S              | 2407-21181                              | 00000/0000       | 2-20021/1087        | 03/04/76        | 50           | 5677         | 33.0                  | 64.4                | GGGG                 | 77                    | 90                   |
| 17350E                      | 3846S              | 2390-21231                              | 00000/0000       | 2-20020/1462        | 02/16/76        | 40           | 5440         | 39.4                  | 72.2                | GGGG                 | 78                    | 87                   |
| 17348E                      | 3432S              | 2391-21272                              | 00000/0000       | 2-20021/0236        | 02/17/76        | 10           | 5454         | 41.3                  | 74.5                | GGGG                 | 79                    | 84                   |
| 17347E                      | 4259S              | 2389-21184                              | 00000/0000       | 2-20020/1625        | 02/15/76        | 60           | 5426         | 37.5                  | 70.4                | GGGG                 | 77                    | 90                   |
| 17336E                      | 5703N              | 2392-22495                              | 00000/0000       | 2-20021/0164        | 02/18/76        | 20           | 5469         | 17.6                  | 151.8               | GGGG                 | 98                    | 20                   |
| 17321E                      | 3558S              | 2391-21274                              | 00000/0000       | 2-20021/0237        | 02/17/76        | 30           | 5454         | 40.6                  | 73.6                | GGGG                 | 79                    | 85                   |
| 17321E                      | 4011S              | 2390-21233                              | 00000/0000       | 2-20020/1463        | 02/16/76        | 40           | 5440         | 38.7                  | 71.5                | FFGG                 | 78                    | 88                   |
| 17314E                      | 4424S              | 2389-21190                              | 00000/0000       | 2-20020/1626        | 02/15/76        | 80           | 5426         | 36.7                  | 69.8                | GGGG                 | 77                    | 91                   |
| 17312E                      | 7630S              | 2653-19034                              | 2-20037/1354     | 00000/0000          | 11/05/76        | 50           | 9106         | 18.5                  | 81.0                | GGG                  | 53                    | 115                  |
| 17309E                      | 7517S              | 2638-19210                              | 2-20037/1346     | 00000/0000          | 10/21/76        | 10           | 8897         | 14.9                  | 76.1                | GGG                  | 56                    | 114                  |
| 17253E                      | 3722S              | 2391-21242                              | 00000/0000       | 2-20021/0238        | 02/17/76        | 50           | 5454         | 39.9                  | 72.7                | FFFF                 | 79                    | 86                   |
| 17250E                      | 4137S              | 2390-21240                              | 00000/0000       | 2-20020/1464        | 02/16/76        | 50           | 5440         | 38.0                  | 70.7                | GGGG                 | 78                    | 89                   |
| 17246E                      | 5540N              | 2392-22502                              | 00000/0000       | 2-20021/0165        | 02/18/76        | 20           | 5469         | 18.7                  | 150.9               | GGGG                 | 98                    | 21                   |
| 17244E                      | 5541N              | 2410-22495                              | 00000/0000       | 2-20021/1311        | 03/07/76        | 90           | 5720         | 25.3                  | 149.5               | GGGG                 | 98                    | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK, NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANHSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 17224E 3847S                            | 2391-21285        | 00000/0000                   | 2-20021/0239                | 02/17/76         | 40                  | 5454            | 39.2         | 71.9         | FFFF                               |                     |                      | 79                    | 87                   |
| 17224E 4305S                            | 2696-21145        | 00000/0000                   | 2-20037/1021                | 12/18/76         | 100                 | 9707            | 46.0         | 79.3         | GGGG                               |                     |                      | 78                    | 90                   |
| 17218E 4302S                            | 2390-21242        | 00000/0000                   | 2-20020/1465                | 02/16/76         | 40                  | 5440            | 37.2         | 70.1         | GGGG                               |                     |                      | 78                    | 90                   |
| 17159E 4013S                            | 2409-21284        | 00000/0000                   | 2-20021/1319                | 03/06/76         | 90                  | 5705            | 34.3         | 64.6         | GGGG                               |                     |                      | 79                    | 88                   |
| 17154E 4013S                            | 2391-21291        | 00000/0000                   | 2-20020/1648                | 02/17/76         | 40                  | 5454            | 38.5         | 71.1         | FFGF                               |                     |                      | 79                    | 88                   |
| 17152E 4430S                            | 2698-21152        | 00000/0000                   | 2-20037/1022                | 12/18/76         | 100                 | 9707            | 45.4         | 78.2         | GGGG                               |                     |                      | 78                    | 91                   |
| 17149E 7517S                            | 2639-19244        | 2-20037/1349                 | 00000/0000                  | 10/22/76         | 10                  | 8911            | 15.3         | 76.2         | GGG                                |                     |                      | 56                    | 114                  |
| 17148E 7631S                            | 2654-19092        | 2-20037/1357                 | 00000/0000                  | 11/06/76         | 20                  | 9120            | 18.8         | 81.2         | GG                                 |                     |                      | 54                    | 115                  |
| 17146E 4427S                            | 2390-21245        | 00000/0000                   | 2-20020/1466                | 02/16/76         | 70                  | 5440            | 36.4         | 69.5         | GFFG                               |                     |                      | 78                    | 91                   |
| 17138E 4139S                            | 2481-21270        | 00000/0000                   | 2-20025/0738                | 05/17/76         | 90                  | 6709            | 15.7         | 44.5         | GGGG                               |                     |                      | 79                    | 89                   |
| 17124E 4139S                            | 2391-21294        | 00000/0000                   | 2-20020/1649                | 02/17/76         | 50                  | 5454            | 37.7         | 70.4         | GFGG                               |                     |                      | 79                    | 89                   |
| 17118E 4555S                            | 2696-21154        | 00000/0000                   | 2-20037/1023                | 12/18/76         | 100                 | 9707            | 44.8         | 77.2         | GGGG                               |                     |                      | 78                    | 92                   |
| 17058E 4303S                            | 2409-21283        | 00000/0000                   | 2-20021/1320                | 03/06/76         | 30                  | 5705            | 32.5         | 63.7         | GGGG                               |                     |                      | 79                    | 90                   |
| 17053E 4304S                            | 2391-21300        | 00000/0000                   | 2-20020/1650                | 02/17/76         | 30                  | 5454            | 37.0         | 69.7         | FFGG                               |                     |                      | 79                    | 90                   |
| 17028E 7627S                            | 2655-19150        | 2-20037/1359                 | 00000/0000                  | 11/07/76         | 20                  | 9134            | 19.1         | 81.0         | GGG                                |                     |                      | 55                    | 115                  |
| 17026E 4428S                            | 2409-21300        | 00000/0000                   | 2-20021/1321                | 03/06/76         | 60                  | 5705            | 31.6         | 63.3         | GGGG                               |                     |                      | 79                    | 91                   |
| 17022E 4428S                            | 2391-21303        | 00000/0000                   | 2-20020/1651                | 02/17/76         | 40                  | 5454            | 36.2         | 69.1         | FFGF                               |                     |                      | 79                    | 91                   |
| 17016E 7515S                            | 2640-19322        | 2-20037/1352                 | 00000/0000                  | 10/23/76         | 0                   | 8925            | 15.6         | 76.2         | FGG                                |                     |                      | 58                    | 114                  |
| 16953E 4554S                            | 2409-21302        | 00000/0000                   | 2-20021/1322                | 03/06/76         | 80                  | 5705            | 30.6         | 62.9         | GGGG                               |                     |                      | 79                    | 92                   |
| 16948E 4552S                            | 2391-21305        | 00000/0000                   | 2-20020/1652                | 02/17/76         | 30                  | 5454            | 35.4         | 68.6         | GFGG                               |                     |                      | 79                    | 92                   |
| 16931E 4305S                            | 2410-21352        | 00000/0000                   | 2-20021/1122                | 03/07/76         | 90                  | 5719            | 32.2         | 63.3         | GFGG                               |                     |                      | 80                    | 90                   |
| 16920E 7623S                            | 2638-19213        | 2-20037/1347                 | 00000/0000                  | 10/21/76         | 10                  | 8897            | 13.8         | 79.5         | GGG                                |                     |                      | 55                    | 115                  |
| 16859E 4430S                            | 2410-21354        | 00000/0000                   | 2-20021/1123                | 03/07/76         | 60                  | 5719            | 31.3         | 62.9         | GGGF                               |                     |                      | 80                    | 91                   |
| 16840E 7733S                            | 2653-19041        | 2-20037/1355                 | 00000/0000                  | 11/05/76         | 50                  | 9106            | 17.4         | 85.1         | GGG                                |                     |                      | 53                    | 116                  |
| 16826E 4555S                            | 2410-21301        | 00000/0000                   | 2-20021/1124                | 03/07/76         | 60                  | 5719            | 30.3         | 62.6         | GGGF                               |                     |                      | 80                    | 92                   |
| 16802E 7623S                            | 2639-19271        | 2-20037/1351                 | 00000/0000                  | 10/22/76         | 10                  | 8911            | 14.1         | 79.6         | GGG                                |                     |                      | 56                    | 115                  |
| 16730E 4419S                            | 2375-21422        | 00000/0000                   | 2-20020/1772                | 02/01/76         | 90                  | 5231            | 40.0         | 73.6         | GGGG                               |                     |                      | 81                    | 91                   |
| 16722E 7919S                            | 2394-18322        | 00000/0000                   | 2-20021/0325                | 02/20/76         | 100                 | 5494            | 9.3          | 100.2        | FGGG                               |                     |                      | 46                    | 118                  |
| 16713E 7734S                            | 2654-19095        | 2-20037/1358                 | 00000/0000                  | 11/06/76         | 20                  | 9120            | 17.6         | 85.2         | GGG                                |                     |                      | 54                    | 116                  |
| 16656E 4544S                            | 2375-21424        | 00000/0000                   | 2-20020/0773                | 02/01/76         | 90                  | 5231            | 39.3         | 72.8         | FGGG                               |                     |                      | 81                    | 92                   |
| 16625E 7622S                            | 2640-19325        | 2-20037/1353                 | 00000/0000                  | 10/23/76         | 0                   | 8925            | 14.5         | 79.6         | GGG                                |                     |                      | 57                    | 115                  |
| 16608E 7727S                            | 2637-19161        | 2-20037/1345                 | 00000/0000                  | 10/20/76         | 10                  | 8883            | 12.2         | 83.7         | GG                                 |                     |                      | 54                    | 116                  |
| 16553E 7730S                            | 2655-19153        | 2-20037/1360                 | 00000/0000                  | 11/07/76         | 20                  | 9134            | 18.0         | 85.1         | G                                  |                     |                      | 55                    | 116                  |
| 16453E 7726S                            | 2636-19215        | 2-20037/1348                 | 00000/0000                  | 10/21/76         | 0                   | 8897            | 12.6         | 83.6         | GGG                                |                     |                      | 55                    | 116                  |
| 16337E 7725S                            | 2639-19273        | 2-20037/1351                 | 00000/0000                  | 10/22/76         | 0                   | 8911            | 13.0         | 83.6         | GGG                                |                     |                      | 56                    | 116                  |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 25, 177

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LAT   | LONG       | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL No./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MBDF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 16320E                      | 7831S | 2653-19043 | 2-20037/1356      | 00000/0000                   | 11/05/76                    | 70               | 9106                | 16.2            | 90.0         | GGG          |                       |                     |                      | 53                    | 117                  |
| 16311E                      | 5843N | 2436-23340 | 00000/0000        | 2-20022/1176                 | 04/02/76                    | 20               | 6083                | 33.4            | 150.9        | GGGG         |                       |                     |                      | 106                   | 19                   |
| 16245E                      | 6007N | 2455-23384 | 00000/0000        | 2-20024/0318                 | 04/21/76                    | 0                | 6348                | 39.3            | 151.7        | GGGG         |                       |                     |                      | 107                   | 18                   |
| 16217E                      | 5720N | 2436-23342 | 00000/0000        | 2-20022/1177                 | 04/02/76                    | 30               | 6083                | 34.4            | 149.5        | GGGG         |                       |                     |                      | 106                   | 20                   |
| 16126E                      | 5556N | 2436-23345 | 00000/0000        | 2-20022/1178                 | 04/02/76                    | 10               | 6083                | 35.4            | 148.2        | GGGG         |                       |                     |                      | 106                   | 21                   |
| 15622E                      | 5707N | 2512-23552 | 00000/0000        | 2-20026/1793                 | 06/17/76                    | 80               | 7143                | 51.8            | 141.4        | GGGG         |                       |                     |                      | 110                   | 20                   |
| 15532E                      | 5544N | 2512-23555 | 00000/0000        | 2-20026/1794                 | 06/17/76                    | 90               | 7143                | 52.6            | 139.2        | GGGG         |                       |                     |                      | 110                   | 21                   |
| 15530E                      | 0542S | 2481-22595 | 00000/0000        | 2-20025/0739                 | 05/17/76                    | 30               | 6710                | 44.4            | 55.4         | GGGG         |                       |                     |                      | 97                    | 64                   |
| 15446E                      | 5420N | 2512-23561 | 00000/0000        | 2-20026/1795                 | 06/17/76                    | 90               | 7143                | 53.4            | 137.0        | GGGG         |                       |                     |                      | 110                   | 22                   |
| 15137E                      | 2715S | 2498-23000 | 00000/0000        | 2-20026/0714                 | 06/03/76                    | 0                | 6947                | 25.3            | 44.1         | GGGG         |                       |                     |                      | 96                    | 79                   |
| 15137E                      | 2722S | 2552-22513 | 00000/0000        | 2-20030/0196                 | 07/27/76                    | 90               | 7700                | 26.1            | 43.5         | GGGG         |                       |                     |                      | 96                    | 79                   |
| 15137E                      | 2722S | 2570-22580 | 00000/0000        | 2-20030/1315                 | 08/14/76                    | 0                | 7951                | 29.8            | 52.2         | GGGG         |                       |                     |                      | 96                    | 79                   |
| 15136E                      | 2716S | 2516-22533 | 00000/0000        | 2-20027/0239                 | 06/21/76                    | 40               | 7198                | 23.9            | 44.1         | GGGG         |                       |                     |                      | 96                    | 79                   |
| 15135E                      | 2720S | 2534-22530 | 00000/0000        | 2-20028/1092                 | 07/09/76                    | 30               | 7449                | 24.1            | 45.7         | GGGG         |                       |                     |                      | 96                    | 79                   |
| 15135E                      | 2721S | 2588-22574 | 00000/0000        | 2-20032/0484                 | 09/01/76                    | 90               | 8202                | 34.7            | 56.8         | GGGG         |                       |                     |                      | 96                    | 79                   |
| 15133E                      | 2719S | 2604-22570 | 00000/0000        | 2-20034/0302                 | 09/19/76                    | 10               | 8453                | 40.2            | 62.2         | GGGG         |                       |                     |                      | 96                    | 79                   |
| 15131E                      | 2716S | 2642-22554 | 00000/0000        | 2-20035/0144                 | 10/25/76                    | 60               | 8955                | 49.4            | 76.7         | GGGG         |                       |                     |                      | 96                    | 79                   |
| 15131E                      | 2720S | 2660-22550 | 00000/0000        | 2-20036/0400                 | 11/12/76                    | 40               | 9206                | 51.4            | 84.7         | GGGG         |                       |                     |                      | 96                    | 79                   |
| 15129E                      | 2721S | 2624-22562 | 00000/0000        | 2-20034/0443                 | 10/07/76                    | 0                | 8704                | 45.3            | 63.9         | GGGG         |                       |                     |                      | 96                    | 79                   |
| 15114E                      | 2849S | 2570-22582 | 00000/0000        | 2-20030/1316                 | 08/14/76                    | 0                | 7951                | 28.7            | 51.8         | GGGG         |                       |                     |                      | 96                    | 80                   |
| 15113E                      | 2840S | 2498-23002 | 00000/0000        | 2-20026/0715                 | 06/03/76                    | 0                | 6947                | 24.1            | 43.9         | GGGG         |                       |                     |                      | 96                    | 80                   |
| 15113E                      | 2842S | 2516-23000 | 00000/0000        | 2-20027/0240                 | 06/21/76                    | 70               | 7198                | 22.7            | 43.9         | GGGG         |                       |                     |                      | 96                    | 80                   |
| 15113E                      | 2848S | 2552-22585 | 00000/0000        | 2-20030/0197                 | 07/27/76                    | 40               | 7700                | 24.9            | 48.2         | GGGG         |                       |                     |                      | 96                    | 80                   |
| 15112E                      | 2846S | 2534-22533 | 00000/0000        | 2-20028/1093                 | 07/09/76                    | 20               | 7449                | 22.9            | 45.5         | GGGG         |                       |                     |                      | 96                    | 80                   |
| 15112E                      | 2847S | 2548-22575 | 00000/0000        | 2-20032/0485                 | 09/01/76                    | 40               | 8202                | 33.7            | 56.2         | GGGG         |                       |                     |                      | 96                    | 80                   |
| 15109E                      | 2844S | 2606-22572 | 00000/0000        | 2-20034/0303                 | 09/19/76                    | 10               | 8453                | 39.3            | 61.4         | GGGG         |                       |                     |                      | 96                    | 80                   |
| 15108E                      | 2845S | 2660-22553 | 00000/0000        | 2-20036/0401                 | 11/12/76                    | 30               | 9206                | 51.0            | 83.1         | GGGG         |                       |                     |                      | 96                    | 80                   |
| 15106E                      | 2847S | 2624-22565 | 00000/0000        | 2-20034/0444                 | 10/07/76                    | 10               | 8704                | 44.6            | 67.8         | GGGG         |                       |                     |                      | 96                    | 80                   |
| 15057E                      | 2426S | 2517-23042 | 00000/0000        | 2-20027/0411                 | 06/22/76                    | 10               | 7212                | 26.2            | 44.7         | GGGG         |                       |                     |                      | 97                    | 77                   |
| 15052E                      | 2424S | 2625-23011 | 00000/0000        | 2-20036/0466                 | 10/08/76                    | 10               | 8718                | 47.1            | 71.7         | GGGG         |                       |                     |                      | 97                    | 77                   |
| 15052E                      | 2426S | 2661-22535 | 00000/0000        | 2-20036/0929                 | 11/13/76                    | 50               | 9220                | 52.2            | 88.5         | GGGG         |                       |                     |                      | 97                    | 77                   |
| 15051E                      | 2423S | 2643-23004 | 00000/0000        | 2-20035/0002                 | 10/26/76                    | 90               | 8969                | 50.6            | 80.2         | GGGG         |                       |                     |                      | 97                    | 77                   |
| 15051E                      | 2428S | 2607-23015 | 00000/0000        | 2-20032/1540                 | 09/20/76                    | 80               | 8467                | 42.2            | 64.4         | GGGG         |                       |                     |                      | 97                    | 77                   |
| 15049E                      | 3006S | 2498-23005 | 00000/0000        | 2-20026/0716                 | 06/03/76                    | 0                | 6947                | 22.9            | 43.7         | GGGG         |                       |                     |                      | 96                    | 81                   |
| 15049E                      | 3007S | 2516-23002 | 00000/0000        | 2-20027/0241                 | 06/21/76                    | 40               | 7198                | 21.5            | 40.7         | GGGG         |                       |                     |                      | 96                    | 81                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING

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FBR NON-US

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 15049E 3015S                            | 2552-22592        | 00000/0000                   | 2-20030/0198               | 07/27/76         | 10                  | 7700                   | 23.8         | 48.0         | GGGG                               |                     |                      | 96                    | 81                   |
| 15049E 3015S                            | 2570-22595        | 00000/0000                   | 2-20030/1317               | 08/14/76         | 10                  | 7951                   | 27.6         | 51.5         | GGGG                               |                     |                      | 96                    | 81                   |
| 15048E 3012S                            | 2534-22595        | 00000/0000                   | 2-20028/1094               | 07/09/76         | 70                  | 7449                   | 21.7         | 45.3         | GGGG                               |                     |                      | 96                    | 81                   |
| 15048E 3012S                            | 2588-22592        | 00000/0000                   | 2-20032/0486               | 09/01/76         | 10                  | 8202                   | 32.7         | 55.6         | GGGG                               |                     |                      | 96                    | 81                   |
| 15044E 3006S                            | 2642-22553        | 00000/0000                   | 2-20035/0145               | 10/25/76         | 90                  | 8955                   | 48.1         | 74.0         | GGGG                               |                     |                      | 96                    | 81                   |
| 15044E 3010S                            | 2606-22575        | 00000/0000                   | 2-20034/0304               | 09/19/76         | 40                  | 8453                   | 38.3         | 60.7         | GGGG                               |                     |                      | 96                    | 81                   |
| 15043E 3010S                            | 2660-22555        | 00000/0000                   | 2-20036/0402               | 11/12/76         | 20                  | 9206                   | 50.6         | 81.5         | FFGG                               |                     |                      | 96                    | 81                   |
| 15042E 3012S                            | 2624-22571        | 00000/0000                   | 2-20034/0445               | 10/07/76         | 30                  | 8704                   | 43.8         | 66.7         | GGGG                               |                     |                      | 96                    | 81                   |
| 15034E 2552S                            | 2517-23045        | 00000/0000                   | 2-20027/0412               | 06/22/76         | 0                   | 7212                   | 25.0         | 44.4         | FFGG                               |                     |                      | 97                    | 78                   |
| 15029E 2550S                            | 2625-23014        | 00000/0000                   | 2-20034/0467               | 10/08/76         | 0                   | 8718                   | 46.4         | 70.5         | GGGG                               |                     |                      | 97                    | 78                   |
| 15029E 2552S                            | 2661-23002        | 00000/0000                   | 2-20036/0930               | 11/13/76         | 30                  | 9220                   | 51.9         | 86.8         | GGGG                               |                     |                      | 97                    | 78                   |
| 15029E 2554S                            | 2607-23021        | 00000/0000                   | 2-20032/1541               | 09/20/76         | 50                  | 8467                   | 41.3         | 63.4         | GGGG                               |                     |                      | 97                    | 78                   |
| 15028E 2549S                            | 2643-23010        | 00000/0000                   | 2-20035/0003               | 10/26/76         | 90                  | 8969                   | 50.1         | 78.7         | GGGG                               |                     |                      | 97                    | 78                   |
| 15026E 3136S                            | 2480-23014        | 00000/0000                   | 2-20025/0536               | 05/16/76         | 50                  | 6696                   | 24.4         | 45.2         | GGGG                               |                     |                      | 96                    | 82                   |
| 15024E 3132S                            | 2498-23011        | 00000/0000                   | 2-20026/0717               | 06/03/76         | 0                   | 6947                   | 21.7         | 43.5         | FFGF                               |                     |                      | 96                    | 82                   |
| 15024E 3133S                            | 2516-23005        | 00000/0000                   | 2-20027/0242               | 06/21/76         | 40                  | 7198                   | 20.2         | 43.6         | GGGG                               |                     |                      | 96                    | 82                   |
| 15024E 3141S                            | 2552-22554        | 00000/0000                   | 2-20030/0199               | 07/27/76         | 0                   | 7700                   | 22.6         | 47.8         | GGGG                               |                     |                      | 96                    | 82                   |
| 15024E 3141S                            | 2570-22591        | 00000/0000                   | 2-20030/1318               | 08/14/76         | 10                  | 7951                   | 26.5         | 51.1         | GGGG                               |                     |                      | 96                    | 82                   |
| 15023E 3138S                            | 2534-23002        | 00000/0000                   | 2-20028/1095               | 07/09/76         | 20                  | 7449                   | 20.5         | 45.1         | GGGG                               |                     |                      | 96                    | 82                   |
| 15023E 3138S                            | 2588-22584        | 00000/0000                   | 2-20032/0487               | 09/01/76         | 10                  | 8202                   | 31.6         | 55.2         | GGGG                               |                     |                      | 96                    | 82                   |
| 15021E 3142S                            | 2636-22545        | 00000/0000                   | 2-20037/1024               | 12/18/76         | 0                   | 9708                   | 49.4         | 89.8         | GGGG                               |                     |                      | 96                    | 82                   |
| 15019E 3132S                            | 2642-22570        | 00000/0000                   | 2-20035/0146               | 10/25/76         | 100                 | 8955                   | 47.5         | 72.7         | GGGG                               |                     |                      | 96                    | 82                   |
| 15019E 3136S                            | 2660-22582        | 00000/0000                   | 2-20034/0403               | 11/12/76         | 60                  | 9206                   | 50.1         | 80.0         | GGGG                               |                     |                      | 96                    | 82                   |
| 15019E 3136S                            | 2626-22581        | 00000/0000                   | 2-20034/0305               | 09/19/76         | 50                  | 8453                   | 37.4         | 60.0         | GGGG                               |                     |                      | 96                    | 82                   |
| 15019E 3139S                            | 2678-22553        | 00000/0000                   | 2-20036/1638               | 11/30/76         | 0                   | 9457                   | 50.6         | 86.3         | GGGG                               |                     |                      | 96                    | 82                   |
| 15017E 3137S                            | 2624-22574        | 00000/0000                   | 2-20034/0446               | 10/07/76         | 70                  | 8704                   | 43.0         | 65.8         | GGGG                               |                     |                      | 96                    | 82                   |
| 15011E 2718S                            | 2517-23051        | 00000/0000                   | 2-20027/0413               | 06/22/76         | 10                  | 7212                   | 23.8         | 44.2         | FFGG                               |                     |                      | 97                    | 79                   |
| 15010E 2717S                            | 2499-23054        | 00000/0000                   | 2-20026/0763               | 06/04/76         | 0                   | 6961                   | 25.2         | 44.1         | FFGG                               |                     |                      | 97                    | 79                   |
| 15010E 2721S                            | 2553-23041        | 00000/0000                   | 2-20030/0315               | 07/28/76         | 70                  | 7714                   | 26.3         | 48.7         | GGGG                               |                     |                      | 97                    | 79                   |
| 15008E 2719S                            | 2535-23044        | 00000/0000                   | 2-20028/1144               | 07/10/76         | 90                  | 7463                   | 24.2         | 45.9         | FFGG                               |                     |                      | 97                    | 79                   |
| 15005E 2715S                            | 2625-23020        | 00000/0000                   | 2-20034/0468               | 10/08/76         | 10                  | 8718                   | 45.6         | 69.3         | GGGG                               |                     |                      | 97                    | 79                   |
| 15005E 2716S                            | 2643-23013        | 00000/0000                   | 2-20035/0004               | 10/26/76         | 40                  | 8969                   | 49.5         | 77.2         | GGGG                               |                     |                      | 97                    | 79                   |
| 15005E 2716S                            | 2661-23004        | 00000/0000                   | 2-20036/0931               | 11/13/76         | 10                  | 9220                   | 51.5         | 85.2         | FFGG                               |                     |                      | 97                    | 79                   |
| 15005E 2720S                            | 2607-23024        | 00000/0000                   | 2-20032/1542               | 09/20/76         | 20                  | 8467                   | 40.5         | 62.6         | GGGG                               |                     |                      | 97                    | 79                   |
| 14959E 3259S                            | 2516-23011        | 00000/0000                   | 2-20027/0243               | 06/21/76         | 70                  | 7198                   | 19.0         | 43.5         | GGGG                               |                     |                      | 96                    | 83                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANKS)=RANGE NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RRLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 14958E 3304S                            | 2588-22591        | 03000/0000                   | 2-20032/0488                | 09/01/76         | 40                  | 8202            | 30.6         | 54.7         | GGGG                               |                     |                      | 96                    | 83                   |
| 14954E 3257S                            | 2642-22572        | 03000/0000                   | 2-20035/0147                | 10/25/76         | 100                 | 8955            | 46.8         | 71.5         | GGGG                               |                     |                      | 96                    | 83                   |
| 14954E 3301S                            | 2606-22534        | 03000/0000                   | 2-20034/0306                | 09/19/76         | 50                  | 8453            | 36.5         | 59.3         | GGGG                               |                     |                      | 96                    | 83                   |
| 14953E 3302S                            | 2624-22530        | 03000/0000                   | 2-20034/0447                | 10/07/76         | 80                  | 8704            | 42.1         | 64.8         | GGGG                               |                     |                      | 96                    | 83                   |
| 14948E 2843S                            | 2517-23054        | 03000/0000                   | 2-20027/0414                | 06/22/76         | 0                   | 7212            | 22.6         | 44.0         | FGGG                               |                     |                      | 97                    | 80                   |
| 14944E 5002N                            | 2515-00085        | 03000/0000                   | 2-20027/0047                | 06/20/76         | 70                  | 7171            | 55.5         | 130.0        | FGGG                               |                     |                      | 112                   | 25                   |
| 14942E 2841S                            | 2643-23015        | 03000/0000                   | 2-20035/0005                | 10/26/76         | 40                  | 8969            | 48.9         | 75.8         | GGGG                               |                     |                      | 97                    | 80                   |
| 14941E 2841S                            | 2625-23023        | 03000/0000                   | 2-20034/0469                | 10/08/76         | 30                  | 8718            | 44.9         | 68.2         | GGGG                               |                     |                      | 97                    | 80                   |
| 14941E 2842S                            | 2661-23011        | 03000/0000                   | 2-20034/0932                | 11/13/76         | 0                   | 9220            | 51.1         | 83.5         | FGGG                               |                     |                      | 97                    | 80                   |
| 14924E 3009S                            | 2517-23060        | 03000/0000                   | 2-20027/0415                | 06/22/76         | 0                   | 7212            | 21.4         | 43.8         | GGGG                               |                     |                      | 97                    | 81                   |
| 14917E 3006S                            | 2643-23022        | 03000/0000                   | 2-20035/0006                | 10/26/76         | 30                  | 8969            | 48.3         | 74.4         | FGFF                               |                     |                      | 97                    | 81                   |
| 14917E 3007S                            | 2625-23025        | 03000/0000                   | 2-20034/0470                | 10/08/76         | 40                  | 8718            | 44.1         | 67.2         | GGGG                               |                     |                      | 97                    | 81                   |
| 14908E 2549S                            | 2513-23103        | 03000/0000                   | 2-20027/0364                | 06/23/76         | 0                   | 7226            | 25.0         | 44.5         | GGGF                               |                     |                      | 98                    | 78                   |
| 14907E 2553S                            | 2590-23083        | 03000/0000                   | 2-20032/0628                | 09/03/76         | 0                   | 8230            | 36.3         | 58.0         | GGGG                               |                     |                      | 98                    | 78                   |
| 14906E 4838N                            | 2515-00092        | 03000/0000                   | 2-20027/0048                | 06/20/76         | 90                  | 7171            | 56.1         | 127.6        | GGGG                               |                     |                      | 112                   | 26                   |
| 14903E 2549S                            | 2644-23064        | 03000/0000                   | 2-20035/0031                | 10/27/76         | 40                  | 8983            | 50.2         | 79.1         | GGGG                               |                     |                      | 98                    | 78                   |
| 14903E 2552S                            | 2662-23060        | 03000/0000                   | 2-20036/0604                | 11/14/76         | 90                  | 9234            | 51.9         | 87.2         | GGGG                               |                     |                      | 98                    | 78                   |
| 14903E 2555S                            | 2608-23080        | 03000/0000                   | 2-20032/1639                | 09/21/76         | 70                  | 8481            | 41.6         | 63.8         | GGGG                               |                     |                      | 98                    | 78                   |
| 14901E 2553S                            | 2626-23072        | 03000/0000                   | 2-20034/0760                | 10/09/76         | 0                   | 8732            | 46.6         | 70.9         | GGGG                               |                     |                      | 98                    | 78                   |
| 14859E 3134S                            | 2517-23063        | 03000/0000                   | 2-20027/0416                | 06/22/76         | 10                  | 7212            | 20.2         | 43.6         | FGGF                               |                     |                      | 97                    | 82                   |
| 14853E 3132S                            | 2643-23024        | 03000/0000                   | 2-20035/0007                | 10/26/76         | 50                  | 8969            | 47.7         | 73.1         | FGGG                               |                     |                      | 97                    | 82                   |
| 14853E 3133S                            | 2625-23032        | 03000/0000                   | 2-20034/0471                | 10/08/76         | 80                  | 8718            | 43.3         | 66.2         | GGGG                               |                     |                      | 97                    | 82                   |
| 14845E 2715S                            | 2513-23110        | 03000/0000                   | 2-20027/0365                | 06/23/76         | 10                  | 7226            | 23.8         | 44.2         | GGGG                               |                     |                      | 98                    | 79                   |
| 14844E 2719S                            | 2590-23085        | 03000/0000                   | 2-20032/0629                | 09/03/76         | 0                   | 8230            | 35.3         | 57.3         | FGGG                               |                     |                      | 98                    | 79                   |
| 14840E 2714S                            | 2644-23071        | 03000/0000                   | 2-20035/0032                | 10/27/76         | 10                  | 8983            | 49.7         | 77.6         | GGGG                               |                     |                      | 98                    | 79                   |
| 14840E 2718S                            | 2662-23063        | 03000/0000                   | 2-20034/0605                | 11/14/76         | 90                  | 9234            | 51.6         | 85.6         | GGFG                               |                     |                      | 98                    | 79                   |
| 14840E 2721S                            | 2608-23082        | 03000/0000                   | 2-20032/1640                | 09/21/76         | 30                  | 8481            | 40.7         | 62.9         | FGGG                               |                     |                      | 98                    | 79                   |
| 14838E 2719S                            | 2626-23075        | 03000/0000                   | 2-20034/0761                | 10/09/76         | 20                  | 8732            | 45.9         | 69.7         | GGGG                               |                     |                      | 98                    | 79                   |
| 14834E 4729N                            | 2587-00074        | 03000/0000                   | 2-20032/0221                | 08/31/76         | 10                  | 8175            | 43.8         | 137.6        | GGGG                               |                     |                      | 112                   | 27                   |
| 14834E 3300S                            | 2517-23065        | 03000/0000                   | 2-20027/0417                | 06/22/76         | 20                  | 7212            | 19.0         | 43.5         | GGFG                               |                     |                      | 97                    | 83                   |
| 14830E 4715N                            | 2515-00094        | 03000/0000                   | 2-20027/0049                | 06/20/76         | 80                  | 7171            | 56.6         | 125.2        | GGGG                               |                     |                      | 112                   | 27                   |
| 14828E 3257S                            | 2625-23034        | 03000/0000                   | 2-20034/0472                | 10/06/76         | 90                  | 8718            | 42.5         | 65.2         | GGGG                               |                     |                      | 97                    | 83                   |
| 14828E 3258S                            | 2643-23031        | 03000/0000                   | 2-20035/0008                | 10/26/76         | 70                  | 8969            | 47.0         | 71.9         | GGGG                               |                     |                      | 97                    | 83                   |
| 14827E 2255S                            | 2501-23155        | 03000/0000                   | 2-20026/1164                | 06/06/76         | 0                   | 6989            | 28.6         | 44.9         | GGGF                               |                     |                      | 99                    | 76                   |
| 14826E 2249S                            | 2519-23152        | 03000/0000                   | 2-20028/0022                | 06/24/76         | 0                   | 7240            | 27.4         | 45.1         | GGGG                               |                     |                      | 99                    | 76                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 14825E 2303S                            | 2591-2313P        | 00000/0000 2-20032/0688                            | 09/04/76         | 0                   | 8244            | 38.5         | 59.7         |                                    |                     |                      |                       |                      |
| 14823E 2257S                            | 2645-23114        | 00000/0000 2-20035/0242                            | 10/28/76         | 0                   | 8997            | 51.3         | 82.8         | GFGE                               |                     |                      | 99                    | 76                   |
| 14822E 2306S                            | 2609-23125        | 00000/0000 2-20032/1669                            | 09/22/76         | 10                  | 8495            | 43.6         | 66.1         | GGGG                               |                     |                      | 99                    | 76                   |
| 14821E 2841S                            | 2518-2311P        | 00000/0000 2-20027/0366                            | 06/23/76         | 10                  | 7226            | 22.6         | 44.0         | GGGG                               |                     |                      | 99                    | 76                   |
| 14819E 2846S                            | 2590-23092        | 00000/0000 2-20032/0630                            | 09/03/76         | 0                   | 8230            | 34.3         | 56.7         | FGGG                               |                     |                      | 98                    | 80                   |
| 14817E 2847S                            | 2608-23085        | 00000/0000 2-20032/1641                            | 09/21/76         | 10                  | 8481            | 39.9         | 62.0         | FGGG                               |                     |                      | 98                    | 80                   |
| 14816E 2841S                            | 2644-23073        | 00000/0000 2-20035/0033                            | 10/27/76         | 0                   | 8983            | 49.1         | 76.2         | FGGG                               |                     |                      | 98                    | 80                   |
| 14816E 2844S                            | 2662-23065        | 00000/0000 2-20036/0606                            | 11/14/76         | 70                  | 9234            | 51.2         | 83.9         | GGGG                               |                     |                      | 98                    | 80                   |
| 14814E 2844S                            | 2626-23031        | 00000/0000 2-20034/0762                            | 10/09/76         | 30                  | 8732            | 45.1         | 68.6         | FFFG                               |                     |                      | 98                    | 80                   |
| 14808E 3426S                            | 2517-23072        | 00000/0000 2-20027/0418                            | 06/22/76         | 30                  | 7212            | 17.8         | 43.5         | GGGG                               |                     |                      | 98                    | 80                   |
| 14804E 2422S                            | 2501-2316P        | 00000/0000 2-20026/1165                            | 05/06/76         | 0                   | 6989            | 27.4         | 44.5         | GGFG                               |                     |                      | 97                    | 84                   |
| 14804E 2425S                            | 2519-23155        | 00000/0000 2-20028/0023                            | 06/24/76         | 0                   | 7240            | 26.2         | 44.8         | GGGG                               |                     |                      | 99                    | 77                   |
| 14803E 3423S                            | 2643-23033        | 00000/0000 2-20035/0009                            | 10/26/76         | 40                  | 8969            | 46.3         | 70.8         | GFGE                               |                     |                      | 99                    | 77                   |
| 14802E 2429S                            | 2591-23134        | 00000/0000 2-20032/0689                            | 09/04/76         | 0                   | 8244            | 37.5         | 59.0         | GGGG                               |                     |                      | 97                    | 84                   |
| 14802E 3422S                            | 2625-23041        | 00000/0000 2-20034/0473                            | 10/08/76         | 100                 | 8718            | 41.6         | 64.4         | GGGG                               |                     |                      | 99                    | 77                   |
| 14800E 2422S                            | 2645-23120        | 00000/0000 2-20035/0243                            | 10/28/76         | 0                   | 8997            | 50.9         | 81.1         | GGGG                               |                     |                      | 97                    | 84                   |
| 14759E 4804N                            | 2587-00080        | 00000/0000 2-20032/0222                            | 08/31/76         | 30                  | 8175            | 44.6         | 136.0        | GGGG                               |                     |                      | 99                    | 77                   |
| 14759E 2432S                            | 2609-23131        | 00000/0000 2-20032/1670                            | 09/22/76         | 30                  | 8495            | 42.7         | 65.1         | GGGG                               |                     |                      | 112                   | 28                   |
| 14757E 3007S                            | 2518-23115        | 00000/0000 2-20027/0367                            | 06/23/76         | 10                  | 7226            | 21.4         | 43.8         | FGGG                               |                     |                      | 99                    | 77                   |
| 14755E 4550N                            | 2515-00101        | 00000/0000 2-20027/0050                            | 06/20/76         | 70                  | 7171            | 57.2         | 122.8        | GGGG                               |                     |                      | 98                    | 81                   |
| 14755E 3012S                            | 2590-23094        | 00000/0000 2-20032/0631                            | 09/03/76         | 0                   | 8230            | 33.3         | 56.2         | GGGG                               |                     |                      | 112                   | 28                   |
| 14752E 3012S                            | 2608-23091        | 00000/0000 2-20032/1642                            | 09/21/76         | 0                   | 8481            | 38.9         | 61.3         | GGGG                               |                     |                      | 98                    | 81                   |
| 14750E 3009S                            | 2626-23084        | 00000/0000 2-20034/0745                            | 10/09/76         | 20                  | 8732            | 44.3         | 67.5         | GGGG                               |                     |                      | 98                    | 81                   |
| 14742E 3551S                            | 2517-23074        | 00000/0000 2-20027/0419                            | 06/22/76         | 20                  | 7212            | 16.5         | 43.4         | GGGG                               |                     |                      | 97                    | 85                   |
| 14738E 3547S                            | 2643-23040        | 00000/0000 2-20035/0010                            | 10/26/76         | 30                  | 8969            | 45.5         | 69.7         | GGGG                               |                     |                      | 97                    | 85                   |
| 14735E 3547S                            | 2625-23043        | 00000/0000 2-20034/0474                            | 10/08/76         | 90                  | 8718            | 40.7         | 63.5         | GGGG                               |                     |                      | 97                    | 85                   |
| 14732E 3132S                            | 2518-23121        | 00000/0000 2-20027/0368                            | 06/23/76         | 10                  | 7226            | 20.2         | 43.7         | GGGG                               |                     |                      | 98                    | 82                   |
| 14730E 3138S                            | 2590-23101        | 00000/0000 2-20032/0632                            | 09/03/76         | 0                   | 8230            | 32.3         | 55.7         | GGGG                               |                     |                      | 98                    | 82                   |
| 14728E 3138S                            | 2608-23094        | 00000/0000 2-20032/1643                            | 09/21/76         | 30                  | 8481            | 38.0         | 60.5         | GGGG                               |                     |                      | 98                    | 82                   |
| 14727E 3132S                            | 2644-23084        | 00000/0000 2-20035/0034                            | 10/27/76         | 10                  | 8983            | 47.3         | 73.6         | GGGG                               |                     |                      | 98                    | 82                   |
| 14726E 4439N                            | 2587-00053        | 00000/0000 2-20032/0223                            | 08/31/76         | 60                  | 8175            | 45.4         | 134.5        | GGGG                               |                     |                      | 98                    | 82                   |
| 14725E 3134S                            | 2626-23090        | 00000/0000 2-20034/0746                            | 10/09/76         | 20                  | 8732            | 43.5         | 66.5         | GGGG                               |                     |                      | 112                   | 29                   |
| 14722E 4425N                            | 2515-00103        | 00000/0000 2-20027/0051                            | 06/20/76         | 90                  | 7171            | 57.6         | 120.4        | GGGG                               |                     |                      | 98                    | 82                   |
| 14707E 3258S                            | 2518-23124        | 00000/0000 2-20027/0369                            | 06/23/76         | 10                  | 7226            | 19.0         | 43.6         | GGGG                               |                     |                      | 112                   | 29                   |
| 14705E 3303S                            | 2592-23103        | 00000/0000 2-20032/0633                            | 09/03/76         | 10                  | 8230            | 31.2         | 55.2         | GGGG                               |                     |                      | 98                    | 83                   |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE | SERVIATION<br>ID | MICROFILM ROLL No./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                  | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 14702E 3257S                | 2644-23035       | 00000/0000 2-20035/0035                 | 10/27/76         | 10                  | 8983            | 47.2         | 72.3         |                       |                     |                      |                       |                      |
| 14702E 3304S                | 2608-23100       | 00000/0000 2-20032/1644                 | 09/21/76         | 80                  | 8481            | 37.1         | 59.8         | GGGG                  |                     |                      | 98                    | 83                   |
| 14659E 2300S                | 2520-23211       | 00000/0000 2-20027/0491                 | 06/25/76         | 40                  | 7254            | 27.3         | 45.2         | GGGG                  |                     |                      | 98                    | 83                   |
| 14659E 3300S                | 2626-23099       | 00000/0000 2-20034/0747                 | 10/09/76         | 10                  | 8732            | 42.7         | 65.6         | GGGG                  |                     |                      | 100                   | 76                   |
| 14657E 2304S                | 2592-23190       | 00000/0000 2-20032/0820                 | 09/05/76         | 90                  | 8258            | 38.8         | 60.0         | GGGG                  |                     |                      | 98                    | 83                   |
| 14656E 2300S                | 2610-23183       | 00000/0000 2-20032/1808                 | 09/23/76         | 0                   | 8509            | 43.9         | 66.6         | GGGG                  |                     |                      | 100                   | 76                   |
| 14654E 2301S                | 2628-23140       | 00000/0000 2-20034/0608                 | 10/11/76         | 40                  | 8760            | 48.4         | 74.4         | GGGG                  |                     |                      | 100                   | 76                   |
| 14653E 2257S                | 2646-23172       | 00000/0000 2-20035/0191                 | 10/29/76         | 60                  | 9011            | 51.4         | 83.3         | GGGG                  |                     |                      | 100                   | 76                   |
| 14650E 4300N                | 2515-00110       | 00000/0000 2-20027/0052                 | 06/20/76         | 80                  | 7171            | 58.0         | 117.8        | GGGG                  |                     |                      | 100                   | 76                   |
| 14639E 3428S                | 2590-23110       | 00000/0000 2-20032/0634                 | 09/03/76         | 10                  | 8230            | 30.2         | 54.8         | GGGG                  |                     |                      | 112                   | 30                   |
| 14636E 3422S                | 2644-23091       | 00000/0000 2-20035/0036                 | 10/27/76         | 10                  | 8983            | 46.5         | 71.2         | GGGG                  |                     |                      | 98                    | 84                   |
| 14636E 3429S                | 2608-23103       | 00000/0000 2-20032/1645                 | 09/21/76         | 90                  | 8481            | 36.1         | 59.2         | GGGG                  |                     |                      | 98                    | 84                   |
| 14634E 3424S                | 2626-23095       | 00000/0000 2-20034/0748                 | 10/09/76         | 10                  | 8732            | 41.9         | 64.7         | GGGG                  |                     |                      | 98                    | 84                   |
| 14616E 3549S                | 2518-23133       | 00000/0000 2-20027/0370                 | 06/23/76         | 50                  | 7226            | 16.5         | 43.5         | GGGG                  |                     |                      | 98                    | 84                   |
| 14616E 3550S                | 2432-23142       | 00000/0000 2-20025/0804                 | 05/18/76         | 10                  | 6724            | 20.4         | 44.5         | GGGG                  |                     |                      | 98                    | 85                   |
| 14615E 3549S                | 2500-23135       | 00000/0000 2-20024/0866                 | 06/05/76         | 90                  | 6975            | 17.7         | 43.1         | GGGG                  |                     |                      | 98                    | 85                   |
| 14615E 3555S                | 2536-23130       | 00000/0000 2-20028/1194                 | 07/11/76         | 10                  | 7477            | 17.1         | 45.1         | GGGG                  |                     |                      | 98                    | 85                   |
| 14614E 3559S                | 2554-23122       | 00000/0000 2-20030/0361                 | 07/29/76         | 90                  | 7728            | 19.5         | 47.6         | GGGG                  |                     |                      | 98                    | 85                   |
| 14613E 3554S                | 2590-23112       | 00000/0000 2-20032/0635                 | 09/03/76         | 10                  | 8230            | 29.2         | 54.4         | GGGG                  |                     |                      | 98                    | 85                   |
| 14609E 3547S                | 2644-23094       | 00000/0000 2-20035/0037                 | 10/27/76         | 10                  | 8983            | 45.8         | 70.0         | GGGG                  |                     |                      | 98                    | 85                   |
| 14609E 3554S                | 2608-23105       | 00000/0000 2-20032/1646                 | 09/21/76         | 90                  | 8481            | 35.1         | 58.6         | GGGG                  |                     |                      | 98                    | 85                   |
| 14608E 3549S                | 2626-23102       | 00000/0000 2-20034/0749                 | 10/09/76         | 20                  | 8732            | 41.0         | 63.8         | GGGG                  |                     |                      | 98                    | 85                   |
| 14608E 3552S                | 2662-23090       | 00000/0000 2-20036/0607                 | 11/14/76         | 70                  | 9234            | 48.6         | 76.7         | GGGG                  |                     |                      | 98                    | 85                   |
| 14608E 3559S                | 2680-23081       | 00000/0000 2-20037/0569                 | 12/02/76         | 40                  | 9485            | 49.4         | 82.4         | GGGG                  |                     |                      | 98                    | 85                   |
| 14549E 3714S                | 2518-23135       | 00000/0000 2-20027/0371                 | 06/23/76         | 90                  | 7226            | 15.3         | 43.5         | GGGG                  |                     |                      | 98                    | 85                   |
| 14545E 3720S                | 2536-23132       | 00000/0000 2-20028/1195                 | 07/11/76         | 20                  | 7477            | 15.8         | 45.1         | GGGG                  |                     |                      | 98                    | 86                   |
| 14543E 3300S                | 2483-23191       | 00000/0000 2-20025/0712                 | 05/19/76         | 0                   | 6738            | 22.7         | 44.6         | PPFF                  |                     |                      | 98                    | 86                   |
| 14542E 3712S                | 2644-23100       | 00000/0000 2-20035/0038                 | 10/27/76         | 40                  | 8983            | 45.0         | 69.0         | GGGG                  |                     |                      | 99                    | 83                   |
| 14541E 3259S                | 2519-23182       | 00000/0000 2-20028/0024                 | 06/24/76         | 10                  | 7240            | 18.9         | 43.6         | GGGG                  |                     |                      | 98                    | 86                   |
| 14541E 3302S                | 2537-23175       | 00000/0000 2-20028/1817                 | 07/12/76         | 10                  | 7491            | 19.6         | 45.4         | GGGG                  |                     |                      | 99                    | 83                   |
| 14541E 3715S                | 2626-23104       | 00000/0000 2-20034/0750                 | 10/09/76         | 70                  | 8732            | 40.1         | 63.1         | PPPP                  |                     |                      | 99                    | 83                   |
| 14541E 3717S                | 2662-23092       | 00000/0000 2-20036/0608                 | 11/14/76         | 90                  | 9234            | 48.0         | 75.4         | GGGG                  |                     |                      | 98                    | 86                   |
| 14540E 3307S                | 2555-23172       | 00000/0000 2-20030/0569                 | 07/30/76         | 20                  | 7742            | 22.0         | 48.1         | GGGG                  |                     |                      | 98                    | 86                   |
| 14540E 3725S                | 2680-23084       | 00000/0000 2-20037/0590                 | 12/02/76         | 90                  | 9485            | 48.9         | 81.0         | GGGG                  |                     |                      | 99                    | 83                   |
| 14539E 3304S                | 2591-23161       | 00000/0000 2-20032/0630                 | 09/04/76         | 0                   | 8244            | 31.6         | 55.4         | GGGG                  |                     |                      | 98                    | 86                   |
|                             |                  |                                         |                  |                     |                 |              |              | GFFF                  |                     |                      | 99                    | 83                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL No./<br>IN RLL<br>MSS | DATE<br>ACQUIRED | CLUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 14538E                                  | 3306S             | 2681-23130                   | 00000/0000                 | 2-20036/1851     | 12/03/76           | 10              | 9499         | 50.2         | 85.6                               | FGGG                |                      | 99                    | 83                   |
| 14537E                                  | 3258S             | 2645-23143                   | 00000/0000                 | 2-20035/0244     | 10/28/76           | 10              | 8997         | 47.4         | 72.7                               | GGGG                |                      | 99                    | 83                   |
| 14535E                                  | 3301S             | 2663-23135                   | 00000/0000                 | 2-20036/0744     | 11/15/76           | 10              | 9248         | 49.8         | 79.8                               | GGGG                |                      | 99                    | 83                   |
| 14535E                                  | 3305S             | 2609-23154                   | 00000/0000                 | 2-20032/1671     | 09/22/76           | 100             | 8495         | 37.4         | 60.1                               | GGGG                |                      | 99                    | 83                   |
| 14516E                                  | 3424S             | 2519-23184                   | 00000/0000                 | 2-20024/0025     | 06/24/76           | 20              | 7240         | 17.7         | 43.6                               | GGGG                |                      | 99                    | 84                   |
| 14516E                                  | 3428S             | 2537-23141                   | 00000/0000                 | 2-20024/1818     | 07/12/76           | 10              | 7491         | 18.4         | 45.3                               | FFFF                |                      | 99                    | 84                   |
| 14513E                                  | 3430S             | 2591-23164                   | 00000/0000                 | 2-20032/0691     | 09/04/76           | 0               | 8244         | 30.5         | 55.0                               | GGFF                |                      | 99                    | 84                   |
| 14512E                                  | 3423S             | 2645-23150                   | 00000/0000                 | 2-20035/0245     | 10/28/76           | 10              | 8997         | 46.7         | 71.5                               | GGGG                |                      | 99                    | 84                   |
| 14512E                                  | 3431S             | 2681-23133                   | 00000/0000                 | 2-20036/1852     | 12/03/76           | 60              | 9499         | 49.8         | 84.1                               | FGFG                |                      | 99                    | 84                   |
| 14509E                                  | 3426S             | 2663-23141                   | 00000/0000                 | 2-20036/0745     | 11/15/76           | 20              | 9248         | 49.3         | 78.4                               | GGGG                |                      | 99                    | 84                   |
| 14509E                                  | 3431S             | 2609-23141                   | 00000/0000                 | 2-20032/1672     | 09/22/76           | 90              | 8495         | 36.4         | 59.5                               | GGGG                |                      | 99                    | 84                   |
| 14505E                                  | 4552N             | 2535-00210                   | 00000/0000                 | 2-20028/1126     | 07/10/76           | 90              | 7450         | 55.6         | 122.9                              | GGGG                |                      | 114                   | 28                   |
| 14451E                                  | 3546S             | 2501-23134                   | 00000/0000                 | 2-20024/1166     | 06/06/76           | 10              | 6989         | 17.7         | 43.1                               | GGGF                |                      | 99                    | 85                   |
| 14450E                                  | 1425S             | 2559-23344                   | 00000/0000                 | 2-20030/0762     | 08/03/76           | 10              | 7798         | 37.1         | 54.7                               | GGGG                | H                    | 103                   | 70                   |
| 14450E                                  | 3550S             | 2519-23131                   | 00000/0000                 | 2-20024/0026     | 06/24/76           | 20              | 7240         | 16.5         | 43.5                               | GGGG                |                      | 99                    | 85                   |
| 14450E                                  | 3553S             | 2537-23144                   | 00000/0000                 | 2-20024/1819     | 07/12/76           | 30              | 7491         | 17.2         | 45.2                               | FFFF                |                      | 99                    | 85                   |
| 14447E                                  | 3555S             | 2591-23170                   | 00000/0000                 | 2-20032/0692     | 09/04/76           | 10              | 8244         | 29.5         | 54.6                               | GGFG                |                      | 99                    | 85                   |
| 14445E                                  | 3547S             | 2645-23152                   | 00000/0000                 | 2-20035/0246     | 10/28/76           | 0               | 8997         | 46.0         | 70.4                               | GGGG                |                      | 99                    | 85                   |
| 14444E                                  | 3556S             | 2681-23135                   | 00000/0000                 | 2-20036/1853     | 12/03/76           | 70              | 9499         | 49.4         | 82.7                               | FGGG                |                      | 99                    | 85                   |
| 14443E                                  | 3551S             | 2663-23144                   | 00000/0000                 | 2-20036/0746     | 11/15/76           | 60              | 9248         | 48.7         | 77.0                               | GGGG                |                      | 99                    | 85                   |
| 14442E                                  | 3557S             | 2609-23163                   | 00000/0000                 | 2-20032/1673     | 09/22/76           | 80              | 8495         | 35.5         | 58.9                               | GGGG                |                      | 99                    | 85                   |
| 14432E                                  | 4428N             | 2535-00213                   | 00000/0000                 | 2-20024/1127     | 07/10/76           | 90              | 7450         | 56.0         | 120.5                              | GGGG                |                      | 114                   | 29                   |
| 14424E                                  | 3711S             | 2501-23200                   | 00000/0000                 | 2-20024/1167     | 06/06/76           | 20              | 6989         | 16.4         | 43.1                               | GGGG                |                      | 99                    | 86                   |
| 14423E                                  | 3715S             | 2519-23193                   | 00000/0000                 | 2-20024/0027     | 06/24/76           | 10              | 7240         | 15.3         | 43.5                               | GGGG                |                      | 99                    | 86                   |
| 14423E                                  | 3719S             | 2537-23190                   | 00000/0000                 | 2-20024/1820     | 07/12/76           | 40              | 7491         | 16.0         | 45.0                               | FFFF                |                      | 99                    | 86                   |
| 14421E                                  | 1004S             | 2398-23434                   | 00000/0000                 | 2-20021/0525     | 02/24/76           | 100             | 5553         | 47.7         | 93.1                               | FFGG                | H                    | 104                   | 67                   |
| 14417E                                  | 3712S             | 2645-23155                   | 00000/0000                 | 2-20035/0247     | 10/28/76           | 20              | 8997         | 45.2         | 69.4                               | GGGG                |                      | 99                    | 86                   |
| 14416E                                  | 3717S             | 2663-23150                   | 00000/0000                 | 2-20036/0747     | 11/15/76           | 90              | 9248         | 48.1         | 75.8                               | GGGG                |                      | 99                    | 86                   |
| 14416E                                  | 3722S             | 2681-23142                   | 00000/0000                 | 2-20036/1854     | 12/03/76           | 70              | 9499         | 48.9         | 81.3                               | GGGG                |                      | 99                    | 86                   |
| 14401E                                  | 1130S             | 2398-23441                   | 00000/0000                 | 2-20021/0526     | 02/24/76           | 100             | 5553         | 47.5         | 91.5                               | GFFG                | H                    | 104                   | 68                   |
| 14400E                                  | 4303N             | 2535-00215                   | 00000/0000                 | 2-20024/1128     | 07/10/76           | 90              | 7450         | 56.5         | 118.1                              | GGGG                |                      | 114                   | 30                   |
| 14357E                                  | 3848N             | 2534-00172                   | 00000/0000                 | 2-20024/0952     | 07/09/76           | 20              | 7436         | 57.5         | 110.7                              | GGGG                |                      | 113                   | 33                   |
| 14350E                                  | 3426S             | 2520-23243                   | 00000/0000                 | 2-20027/0492     | 06/25/76           | 70              | 7254         | 17.7         | 43.6                               | GGGG                |                      | 100                   | 84                   |
| 14349E                                  | 3421S             | 2502-23245                   | 00000/0000                 | 2-20024/0733     | 06/07/76           | 80              | 7003         | 18.8         | 43.2                               | G                   |                      | 100                   | 84                   |
| 14345E                                  | 3425S             | 2610-23215                   | 00000/0000                 | 2-20032/1809     | 09/23/76           | 0               | 8509         | 36.8         | 59.8                               | GGGG                |                      | 100                   | 84                   |

KEYS: C\_LUD COVER % ..... 0 TO 100 = % CLUD COVER.  
 IMAGE QUALITY ..... BLANKS BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RBLI | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 14345E                      | 3431S             | 2592-23222            | 00000/0000           | 2-20032/0821     | 09/05/76            | 0               | 8258         | 30.8         | 55.2                  | FGGG                |                      | 100                   | 84                   |
| 14344E                      | 3422S             | 2646-23204            | 00000/0000           | 2-20035/0192     | 10/29/76            | 10              | 9011         | 46.9         | 71.9                  | GGGG                |                      | 100                   | 84                   |
| 14343E                      | 3428S             | 2664-23200            | 00000/0000           | 2-20036/0849     | 11/16/76            | 50              | 9262         | 49.4         | 78.7                  | GGGG                |                      | 100                   | 84                   |
| 14343E                      | 3432S             | 2682-23191            | 00000/0000           | 2-20037/0068     | 12/04/76            | 0               | 9513         | 49.8         | 84.3                  | GGGG                |                      | 100                   | 84                   |
| 14342E                      | 3426S             | 2628-23212            | 00000/0000           | 2-20034/0609     | 10/11/76            | 10              | 8760         | 42.4         | 65.3                  | GGGG                |                      | 100                   | 84                   |
| 14340E                      | 1257S             | 2398-23443            | 00000/0000           | 2-20021/0527     | 02/24/76            | 100             | 5553         | 47.3         | 90.0                  | FFFG                |                      | 104                   | 69                   |
| 14329E                      | 3723N             | 2534-00175            | 00000/0000           | 2-20028/0953     | 07/09/76            | 10              | 7436         | 57.7         | 108.2                 | GGGG                | H                    | 113                   | 34                   |
| 14324E                      | 3555S             | 2538-23242            | 00000/0000           | 2-20028/1299     | 07/13/76            | 30              | 7505         | 17.2         | 45.3                  | PFGP                |                      | 100                   | 85                   |
| 14323E                      | 3546S             | 2502-23252            | 00000/0000           | 2-20026/0734     | 06/07/76            | 50              | 7003         | 17.6         | 43.1                  | GGGG                |                      | 100                   | 85                   |
| 14323E                      | 3552S             | 2520-23245            | 00000/0000           | 2-20027/0493     | 06/25/76            | 70              | 7254         | 16.5         | 43.6                  | GGGG                |                      | 100                   | 85                   |
| 14323E                      | 3557S             | 2574-23232            | 00000/0000           | 2-20030/1545     | 08/18/76            | 10              | 8007         | 24.3         | 51.1                  | G GG                |                      | 100                   | 85                   |
| 14321E                      | 3600S             | 2556-23235            | 00000/0000           | 2-20030/0390     | 07/31/76            | 90              | 7756         | 19.9         | 47.9                  | GGGG                |                      | 100                   | 85                   |
| 14319E                      | 3550S             | 2610-23222            | 00000/0000           | 2-20032/1810     | 09/23/76            | 10              | 8509         | 35.9         | 59.2                  | GGGG                |                      | 100                   | 85                   |
| 14319E                      | 3557S             | 2592-23225            | 00000/0000           | 2-20032/0822     | 09/05/76            | 0               | 8258         | 29.8         | 54.8                  | GGGG                |                      | 100                   | 85                   |
| 14318E                      | 3558S             | 2718-23181            | 00000/0000           | 2-20032/1210     | 01/09/77            | 50              | 15           | 45.5         | 85.6                  | GGGG                |                      | 100                   | 85                   |
| 14317E                      | 3548S             | 2646-23210            | 00000/0000           | 2-20035/0193     | 10/29/76            | 0               | 9011         | 46.2         | 70.8                  | GGGG                |                      | 100                   | 85                   |
| 14317E                      | 3553S             | 2664-23202            | 00000/0000           | 2-20036/0850     | 11/16/76            | 50              | 9262         | 48.8         | 77.4                  | GGGG                |                      | 100                   | 85                   |
| 14316E                      | 3557S             | 2682-23194            | 00000/0000           | 2-20037/0069     | 12/04/76            | 50              | 9513         | 49.3         | 82.9                  | GGGG                |                      | 100                   | 85                   |
| 14315E                      | 3552S             | 2628-23214            | 00000/0000           | 2-20034/0610     | 10/11/76            | 10              | 8760         | 41.6         | 64.5                  | GGGG                |                      | 100                   | 85                   |
| 14301E                      | 3557N             | 2534-00131            | 00000/0000           | 2-20028/0954     | 07/09/76            | 20              | 7436         | 57.9         | 105.7                 | GGGG                |                      | 113                   | 35                   |
| 14259E                      | 4013N             | 2535-00224            | 00000/0000           | 2-20028/1096     | 07/10/76            | 90              | 7450         | 57.1         | 113.3                 | GGGG                |                      | 114                   | 32                   |
| 14257E                      | 3711S             | 2502-23254            | 00000/0000           | 2-20026/0735     | 06/07/76            | 70              | 7003         | 16.3         | 43.1                  | GGGG                |                      | 100                   | 86                   |
| 14257E                      | 3720S             | 2538-23245            | 00000/0000           | 2-20028/1300     | 07/13/76            | 50              | 7505         | 16.0         | 45.3                  | GGGF                |                      | 100                   | 86                   |
| 14256E                      | 3717S             | 2520-23252            | 00000/0000           | 2-20027/0494     | 06/25/76            | 30              | 7254         | 15.2         | 43.6                  | GGGG                |                      | 100                   | 86                   |
| 14250E                      | 3713S             | 2646-23213            | 00000/0000           | 2-20035/0194     | 10/29/76            | 10              | 9011         | 45.4         | 69.7                  | GGGG                |                      | 100                   | 86                   |
| 14249E                      | 3719S             | 2664-23205            | 00000/0000           | 2-20036/0851     | 11/16/76            | 70              | 9262         | 48.2         | 76.1                  | GGGG                |                      | 100                   | 86                   |
| 14249E                      | 3723S             | 2682-23200            | 00000/0000           | 2-20037/0070     | 12/04/76            | 60              | 9513         | 48.8         | 81.5                  | GGGG                |                      | 100                   | 86                   |
| 14248E                      | 3716S             | 2628-23221            | 00000/0000           | 2-20034/0611     | 10/11/76            | 30              | 8760         | 40.7         | 63.7                  | GGGG                |                      | 100                   | 86                   |
| 14239E                      | 5015N             | 2556-00362            | 00000/0000           | 2-20030/0570     | 07/31/76            | 90              | 7743         | 50.2         | 132.6                 | GGGG                |                      | 100                   | 86                   |
| 14237E                      | 4315N             | 2716-00212            | 00000/0000           | 2-20038/0747     | 01/07/77            | 50              | 9974         | 17.5         | 147.7                 | GGGG                |                      | 117                   | 25                   |
| 14235E                      | 3432N             | 2534-00134            | 00000/0000           | 2-20028/1562     | 07/09/76            | 10              | 7436         | 57.9         | 103.2                 | GGGG                |                      | 113                   | 30                   |
| 14229E                      | 3847N             | 2535-00231            | 00000/0000           | 2-20028/1097     | 07/10/76            | 90              | 7450         | 57.4         | 110.8                 | FGGG                |                      | 114                   | 33                   |
| 14225E                      | 3422S             | 2503-23304            | 00000/0000           | 2-20026/0991     | 06/08/76            | 70              | 7017         | 18.7         | 43.1                  | GGGG                |                      | 101                   | 84                   |
| 14224E                      | 3424S             | 2521-23301            | 00000/0000           | 2-20028/0209     | 06/26/76            | 20              | 7268         | 17.7         | 43.7                  | GGGG                |                      | 101                   | 84                   |
| 14221E                      | 3432S             | 2539-23294            | 00000/0000           | 2-20028/1428     | 07/14/76            | 20              | 7519         | 18.5         | 45.5                  | GGGG                |                      | 101                   | 84                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0703

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN.<br>ELEV. | SUN.<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|---------------|---------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |               |               | 123 45678             |                     |                      |                       |                      |
| 14218E                      | 3433S             | 2683-23245            | 00000/0000           | 2-20037/0288     | 12/05/76            | 80              | 9527          | 49.7          | 84.6                  | GGGF                |                      | 101                   | 84                   |
| 14217E                      | 3422S             | 2647-23262            | 00000/0000           | 2-20035/0335     | 10/30/76            | 90              | 9025          | 47.1          | 72.3                  | GGGF                |                      | 101                   | 84                   |
| 14217E                      | 3427S             | 2665-23254            | 00000/0000           | 2-20036/0878     | 11/17/76            | 0               | 9276          | 49.5          | 79.1                  | GGGG                |                      | 101                   | 84                   |
| 14216E                      | 4604N             | 2573-00312            | 00000/0000           | 2-20030/1364     | 08/17/76            | 70              | 7980          | 48.3          | 131.5                 | GGGG                |                      | 116                   | 28                   |
| 14216E                      | 3425S             | 2629-23270            | 00000/0000           | 2-20034/0515     | 10/12/76            | 100             | 8774          | 42.7          | 65.7                  | GGGG                |                      | 101                   | 84                   |
| 14216E                      | 3433S             | 2701-23241            | 00000/0000           | 2-20037/1299     | 12/23/76            | 0               | 9778          | 48.2          | 87.3                  | GGGG                |                      | 101                   | 84                   |
| 14209E                      | 3305N             | 2534-00190            | 00000/0000           | 2-20028/1563     | 07/09/76            | 30              | 7436          | 58.0          | 100.7                 | GGGG                |                      | 113                   | 37                   |
| 14203E                      | 3731N             | 2571-00223            | 00000/0000           | 2-20030/1319     | 08/15/76            | 100             | 7952          | 52.2          | 119.4                 | GGGG                |                      | 114                   | 34                   |
| 14201E                      | 3721N             | 2535-00233            | 00000/0000           | 2-20028/1098     | 07/10/76            | 80              | 7450          | 57.6          | 108.3                 | GGGG                |                      | 114                   | 34                   |
| 14159E                      | 4850N             | 2556-00365            | 00000/0000           | 2-20030/0571     | 07/31/76            | 90              | 7743          | 50.9          | 130.7                 | GGGF                |                      | 117                   | 26                   |
| 14158E                      | 3547S             | 2503-23310            | 00000/0000           | 2-20026/1064     | 06/08/76            | 90              | 7017          | 17.4          | 43.1                  | GGGF                |                      | 101                   | 85                   |
| 14157E                      | 3550S             | 2521-23303            | 00000/0000           | 2-20028/0210     | 08/26/76            | 70              | 7268          | 16.5          | 43.7                  | GGGF                |                      | 101                   | 85                   |
| 14157E                      | 3558S             | 2557-23293            | 00000/0000           | 2-20030/0521     | 08/01/76            | 50              | 7770          | 20.1          | 48.1                  | GGG                 |                      | 101                   | 85                   |
| 14156E                      | 3558S             | 2575-23290            | 00000/0000           | 2-20030/1476     | 08/19/76            | 50              | 8021          | 24.5          | 51.3                  | GGGF                |                      | 101                   | 85                   |
| 14155E                      | 3557S             | 2539-23300            | 00000/0000           | 2-20028/1429     | 07/14/76            | 10              | 7519          | 17.3          | 45.5                  | GGGG                |                      | 101                   | 85                   |
| 14152E                      | 3503S             | 2611-23280            | 00000/0000           | 2-20032/1725     | 09/24/76            | 0               | 8523          | 36.2          | 59.5                  | G                   |                      | 101                   | 85                   |
| 14152E                      | 3557S             | 2539-23253            | 00000/0000           | 2-20032/0968     | 09/06/76            | 80              | 8272          | 30.1          | 55.0                  | GGGG                |                      | 101                   | 85                   |
| 14151E                      | 3547S             | 2647-23264            | 00000/0000           | 2-20035/0336     | 10/30/76            | 90              | 9025          | 46.4          | 71.2                  | GGGG                |                      | 101                   | 85                   |
| 14151E                      | 3553S             | 2685-23260            | 00000/0000           | 2-20036/0879     | 11/17/76            | 30              | 9276          | 48.9          | 77.7                  | GGGG                |                      | 101                   | 85                   |
| 14151E                      | 3557S             | 2719-23235            | 00000/0000           | 2-20038/1299     | 01/10/77            | 10              | 29            | 45.3          | 85.5                  | GGGG                |                      | 101                   | 85                   |
| 14151E                      | 3558S             | 2683-23252            | 00000/0000           | 2-20037/0289     | 12/05/76            | 80              | 9527          | 49.3          | 83.1                  | GGGG                |                      | 101                   | 85                   |
| 14150E                      | 3551S             | 2629-23272            | 00000/0000           | 2-20034/0516     | 10/12/76            | 90              | 8774          | 41.9          | 64.8                  | GGGG                |                      | 101                   | 85                   |
| 14150E                      | 3559S             | 2701-23243            | 00000/0000           | 2-20037/1290     | 12/23/76            | 10              | 9778          | 47.9          | 85.9                  | GGGG                |                      | 101                   | 85                   |
| 14134E                      | 3556N             | 2535-00240            | 00000/0000           | 2-20028/1099     | 07/10/76            | 60              | 7450          | 57.8          | 105.8                 | GGGG                |                      | 114                   | 35                   |
| 14131E                      | 3713S             | 2503-23313            | 00000/0000           | 2-20026/1065     | 06/08/76            | 90              | 7017          | 16.2          | 43.1                  | GGGG                |                      | 101                   | 84                   |
| 14131E                      | 3715S             | 2521-23310            | 00000/0000           | 2-20028/0226     | 06/26/76            | 70              | 7268          | 15.3          | 43.6                  | GGGG                |                      | 101                   | 84                   |
| 14130E                      | 4720N             | 2574-00364            | 00000/0000           | 2-20030/1479     | 08/18/76            | 80              | 7994          | 47.4          | 133.6                 | GGG                 |                      | 117                   | 27                   |
| 14130E                      | 3716S             | 2485-23315            | 00000/0000           | 2-20025/0855     | 05/21/76            | 80              | 6766          | 18.7          | 44.1                  | GGGG                |                      | 101                   | 86                   |
| 14128E                      | 3723S             | 2539-23303            | 00000/0000           | 2-20028/1430     | 07/14/76            | 50              | 7519          | 16.1          | 45.4                  | GGGG                |                      | 101                   | 86                   |
| 14124E                      | 4730N             | 2592-00361            | 00000/0000           | 2-20032/0693     | 09/05/76            | 40              | 8245          | 42.3          | 139.1                 | FFFF                |                      | 117                   | 27                   |
| 14124E                      | 3712S             | 2647-23271            | 00000/0000           | 2-20035/0337     | 10/30/76            | 20              | 9025          | 45.6          | 70.1                  | FFFF                |                      | 101                   | 86                   |
| 14123E                      | 3718S             | 2629-23275            | 00000/0000           | 2-20034/0517     | 10/12/76            | 70              | 8774          | 41.0          | 64.0                  | GGGG                |                      | 101                   | 86                   |
| 14123E                      | 3719S             | 2665-23263            | 00000/0000           | 2-20036/0880     | 11/17/76            | 70              | 9276          | 48.3          | 76.4                  | GGGG                |                      | 101                   | 86                   |
| 14123E                      | 3724S             | 2683-23254            | 00000/0000           | 2-20037/0290     | 12/05/76            | 80              | 9527          | 48.8          | 81.8                  | GGGG                |                      | 101                   | 86                   |
| 14122E                      | 3724S             | 2701-23250            | 00000/0000           | 2-20037/1291     | 12/23/76            | 20              | 9778          | 47.5          | 84.6                  | GGGG                |                      | 101                   | 86                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 24, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0704

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 14107E 3431N                | 2535-00242        | 00000/0000            | 2-20028/1100         | 07/10/76         | 60                  | 7450            | 57.8         | 103.3        | GGGG                  |                     |                      | 114                   | 36                   |
| 14106E 3853N                | 2554-00242        | 00000/0000            | 2-20030/0353         | 07/29/76         | 70                  | 7715            | 54.8         | 115.3        | GGGG                  |                     |                      | 115                   | 33                   |
| 14102E 3842S                | 2485-23322        | 00000/0000            | 2-20025/0856         | 05/21/76         | 30                  | 6766            | 17.4         | 44.0         | GGGF                  |                     |                      | 101                   | 87                   |
| 14057E 3424S                | 2504-23362        | 00000/0000            | 2-20024/1223         | 06/09/76         | 70                  | 7031            | 18.6         | 43.1         | GGGG                  |                     |                      | 102                   | 84                   |
| 14057E 3425S                | 2522-23355        | 00000/0000            | 2-20028/1159         | 06/27/76         | 60                  | 7282            | 17.7         | 43.8         | GGGG                  |                     |                      | 102                   | 84                   |
| 14056E 3429S                | 2540-23352        | 00000/0000            | 2-20028/1479         | 07/15/76         | 20                  | 7533            | 18.6         | 45.7         | GGGF                  |                     |                      | 102                   | 84                   |
| 14055E 4604N                | 2574-00370        | 00000/0000            | 2-20030/1480         | 08/18/76         | 70                  | 7994            | 48.1         | 131.8        | GG F                  |                     |                      | 117                   | 28                   |
| 14051E 3421S                | 2648-23320        | 00000/0000            | 2-20035/0373         | 10/31/76         | 60                  | 9039            | 47.3         | 72.7         | GGGG                  |                     |                      | 102                   | 84                   |
| 14051E 3423S                | 2630-23324        | 00000/0000            | 2-20034/0702         | 10/13/76         | 50                  | 8788            | 43.0         | 66.0         | GGGG                  |                     |                      | 102                   | 84                   |
| 14051E 3432S                | 2634-23303        | 00000/0000            | 2-20037/0360         | 12/06/76         | 10                  | 9541            | 49.7         | 84.8         | GGGG                  |                     |                      | 102                   | 84                   |
| 14051E 3434S                | 2702-23295        | 00000/0000            | 2-20037/1287         | 12/24/76         | 0                   | 9792            | 48.1         | 87.8         | GGGG                  |                     |                      | 102                   | 84                   |
| 14050E 3428S                | 2666-23312        | 00000/0000            | 2-20036/1069         | 11/18/76         | 20                  | 9290            | 49.5         | 79.4         | FGGG                  |                     |                      | 102                   | 84                   |
| 14049E 4605N                | 2592-00363        | 00000/0000            | 2-20032/0634         | 09/05/76         | 10                  | 8245            | 43.2         | 137.7        | FFFF                  |                     |                      | 117                   | 28                   |
| 14042E 3305N                | 2535-00245        | 00000/0000            | 2-20028/1101         | 07/10/76         | 80                  | 7450            | 57.9         | 100.8        | GGGG                  |                     |                      | 114                   | 37                   |
| 14038E 3727N                | 2554-00244        | 00000/0000            | 2-20030/0354         | 07/29/76         | 60                  | 7715            | 55.2         | 113.1        | GGGG                  |                     |                      | 115                   | 34                   |
| 14034E 5146N                | 2468-00494        | 00000/0000            | 2-20024/1325         | 05/04/76         | 30                  | 6516            | 48.6         | 140.3        | GGG                   |                     |                      | 119                   | 24                   |
| 14031E 3549S                | 2504-23364        | 00000/0000            | 2-20026/1224         | 06/09/76         | 90                  | 7031            | 17.3         | 43.1         | GGGG                  |                     |                      | 102                   | 85                   |
| 14031E 3550S                | 2522-23362        | 00000/0000            | 2-20029/1160         | 06/27/76         | 40                  | 7282            | 16.5         | 43.7         | GGGG                  |                     |                      | 102                   | 85                   |
| 14031E 3551S                | 2486-23371        | 00000/0000            | 2-20025/1185         | 05/22/76         | 10                  | 6780            | 19.7         | 44.0         | FGG                   |                     |                      | 102                   | 85                   |
| 14030E 3533S                | 2612-23334        | 00000/0000            | 2-20032/1868         | 09/25/76         | 0                   | 8537            | 36.7         | 59.9         | GGGG                  |                     |                      | 102                   | 85                   |
| 14030E 3555S                | 2540-23355        | 00000/0000            | 2-20028/1480         | 07/15/76         | 90                  | 7533            | 17.4         | 45.6         | GFGG                  |                     |                      | 102                   | 85                   |
| 14025E 3546S                | 2648-23323        | 00000/0000            | 2-20035/0374         | 10/31/76         | 80                  | 9039            | 46.6         | 71.5         | GGGG                  |                     |                      | 102                   | 85                   |
| 14025E 3558S                | 2702-23301        | 00000/0000            | 2-20037/1288         | 12/24/76         | 10                  | 9792            | 47.8         | 86.0         | GGGG                  |                     |                      | 102                   | 85                   |
| 14024E 5133N                | 2540-00475        | 00000/0000            | 2-20028/1431         | 07/15/76         | 30                  | 7520            | 52.5         | 132.3        | GGGF                  |                     |                      | 119                   | 24                   |
| 14024E 5131N                | 2504-00485        | 00000/0000            | 2-20024/1066         | 06/09/76         | 10                  | 7018            | 54.6         | 133.7        | GFGB                  |                     |                      | 119                   | 24                   |
| 14024E 3548S                | 2630-23331        | 00000/0000            | 2-20034/0703         | 10/13/76         | 50                  | 8788            | 42.2         | 65.1         | GGGG                  |                     |                      | 102                   | 85                   |
| 14024E 3557S                | 2634-23310        | 00000/0000            | 2-20037/0361         | 12/06/76         | 30                  | 9541            | 49.3         | 83.4         | GGGG                  |                     |                      | 102                   | 85                   |
| 14023E 3554S                | 2666-23314        | 00000/0000            | 2-20034/1070         | 11/18/76         | 20                  | 9290            | 49.0         | 78.1         | GGGG                  |                     |                      | 102                   | 85                   |
| 14022E 5131N                | 2522-00442        | 00000/0000            | 2-20028/0227         | 06/27/76         | 80                  | 7269            | 54.5         | 131.8        | FFFF                  |                     |                      | 119                   | 24                   |
| 14021E 4439N                | 2574-00373        | 00000/0000            | 2-20030/1481         | 08/18/76         | 70                  | 7994            | 48.8         | 130.0        | GF G                  |                     |                      | 117                   | 29                   |
| 14015E 4440N                | 2592-00370        | 00000/0000            | 2-20032/0635         | 09/05/76         | 10                  | 8245            | 44.0         | 136.2        | FFFF                  |                     |                      | 117                   | 29                   |
| 14013E 7053N                | 2462-01525        | 00000/0000            | 2-20024/0831         | 04/28/76         | 10                  | 6433            | 32.9         | 167.7        | GGFG                  |                     |                      | 131                   | 10                   |
| 14011E 3602N                | 2554-00291        | 00000/0000            | 2-20030/0355         | 07/29/76         | 30                  | 7715            | 55.4         | 110.8        | GGGG                  |                     |                      | 115                   | 35                   |
| 14009E 3605N                | 2590-00240        | 00000/0000            | 2-20032/0473         | 09/03/76         | 90                  | 8217            | 48.8         | 125.8        | FFBF                  |                     |                      | 115                   | 35                   |
| 14005E 7050N                | 2444-01533        | 00000/0000            | 2-20022/1635         | 04/10/76         | 20                  | 6182            | 26.7         | 167.1        | GGGG                  |                     |                      | 131                   | 10                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0705

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 14005E 3716S                            | 2522-23354        | 00000/0000 2-20028/1161                            | 06/27/76         | 60                  | 7282            | 15.3         | 43.7         | GGGG                               |                     |                      | 102                   | 86                   |
| 14004E 3715S                            | 2486-23374        | 00000/0000 2-20025/1186                            | 05/22/76         | 20                  | 6780            | 18.5         | 44.0         | FGGG                               |                     |                      | 102                   | 86                   |
| 14003E 0420S                            | 2565-00000        | 00000/0000 2-20032/0245                            | 04/09/76         | 90                  | 7868            | 44.5         | 62.7         | GGGG                               |                     |                      | 108                   | 63                   |
| 13951E 7039N                            | 2498-01520        | 00000/0000 2-20026/0663                            | 06/03/76         | 80                  | 6935            | 41.2         | 165.8        | FFFF                               |                     |                      | 131                   | 10                   |
| 13949E 4314N                            | 2574-00375        | 00000/0000 2-20030/1482                            | 08/18/76         | 40                  | 7994            | 49.4         | 128.2        | GGGG                               |                     |                      | 117                   | 30                   |
| 13945E 5010N                            | 2540-00482        | 00000/0000 2-20028/1432                            | 07/15/76         | 70                  | 7520            | 53.2         | 130.2        | GGGG                               |                     |                      | 119                   | 25                   |
| 13945E 3436N                            | 2554-00293        | 00000/0000 2-20030/0356                            | 07/29/76         | 20                  | 7715            | 55.6         | 108.5        | GGGG                               |                     |                      | 115                   | 36                   |
| 13942E 3439N                            | 2590-00283        | 00000/0000 2-20032/0474                            | 09/03/76         | 70                  | 8217            | 49.4         | 124.1        | GGGG                               |                     |                      | 115                   | 36                   |
| 13937E 3840S                            | 2486-23340        | 00000/0000 2-20025/1187                            | 05/22/76         | 40                  | 6780            | 17.3         | 43.9         | GGGG                               |                     |                      | 102                   | 87                   |
| 13937E 3841S                            | 2522-23371        | 00000/0000 2-20028/1162                            | 06/27/76         | 80                  | 7282            | 14.0         | 43.7         | GGGG                               |                     |                      | 102                   | 87                   |
| 13931E 3423S                            | 2505-23420        | 00000/0000 2-20026/1236                            | 06/10/76         | 30                  | 7045            | 18.5         | 43.1         | GGGG                               |                     |                      | 103                   | 84                   |
| 13929E 3427S                            | 2523-23413        | 00000/0000 2-20028/0287                            | 06/28/76         | 40                  | 7296            | 17.7         | 43.8         | GGG                                |                     |                      | 103                   | 84                   |
| 13925E 3422S                            | 2649-23374        | 00000/0000 2-20035/0426                            | 11/01/76         | 70                  | 9053            | 47.5         | 73.1         | FFGG                               |                     |                      | 103                   | 84                   |
| 13925E 3426S                            | 2613-23390        | 00000/0000 2-20034/0026                            | 09/26/76         | 20                  | 8551            | 37.8         | 60.6         | G                                  |                     |                      | 103                   | 84                   |
| 13925E 3432S                            | 2685-23362        | 00000/0000 2-20037/0334                            | 12/07/76         | 10                  | 9555            | 49.6         | 85.1         | FGGF                               |                     |                      | 103                   | 84                   |
| 13924E 3422S                            | 2631-23342        | 00000/0000 2-20034/0661                            | 10/14/76         | 70                  | 8802            | 43.3         | 66.4         | GGGG                               |                     |                      | 103                   | 84                   |
| 13923E 3430S                            | 2667-23370        | 00000/0000 2-20036/1101                            | 11/19/76         | 80                  | 9304            | 49.6         | 79.8         | GGGG                               |                     |                      | 103                   | 84                   |
| 13920E 3310N                            | 2554-00300        | 00000/0000 2-20030/0357                            | 07/29/76         | 10                  | 7715            | 55.8         | 106.2        | GGGG                               |                     |                      | 115                   | 37                   |
| 13917E 4148N                            | 2574-00382        | 00000/0000 2-20030/1483                            | 08/18/76         | 30                  | 7994            | 50.0         | 126.4        | GGGG                               |                     |                      | 117                   | 31                   |
| 13908E 4846N                            | 2540-00484        | 00000/0000 2-20028/1433                            | 07/15/76         | 90                  | 7520            | 53.3         | 128.0        | GGGG                               |                     |                      | 119                   | 26                   |
| 13907E 5145N                            | 2469-00553        | 00000/0000 2-20024/1503                            | 05/05/76         | 10                  | 6530            | 48.9         | 140.1        | FFFF                               |                     |                      | 120                   | 24                   |
| 13906E 3548S                            | 2487-23425        | 00000/0000 2-20025/1199                            | 05/23/76         | 40                  | 6794            | 19.6         | 43.9         | GGGG                               |                     |                      | 103                   | 85                   |
| 13903E 3552S                            | 2523-23420        | 00000/0000 2-20028/0288                            | 06/28/76         | 80                  | 7296            | 16.5         | 43.8         | GGGG                               |                     |                      | 103                   | 85                   |
| 13859E 5132N                            | 2541-00534        | 00000/0000 2-20028/1481                            | 07/16/76         | 60                  | 7534            | 52.4         | 132.4        | GGGG                               |                     |                      | 120                   | 24                   |
| 13859E 5131N                            | 2505-00544        | 00000/0000 2-20026/1225                            | 06/10/76         | 20                  | 7032            | 54.7         | 133.5        | FGGG                               |                     |                      | 120                   | 24                   |
| 13859E 5130N                            | 2523-00541        | 00000/0000 2-20028/1163                            | 06/28/76         | 90                  | 7283            | 54.4         | 131.8        | GGGG                               |                     |                      | 120                   | 24                   |
| 13847E 4023N                            | 2674-00354        | 00000/0000 2-20030/1484                            | 08/18/76         | 10                  | 7994            | 50.6         | 124.5        | FGGG                               |                     |                      | 117                   | 32                   |
| 13831E 4721N                            | 2540-00491        | 00000/0000 2-20028/1434                            | 07/15/76         | 90                  | 7520            | 54.3         | 125.8        | GGGG                               |                     |                      | 119                   | 27                   |
| 13830E 3259S                            | 2506-23472        | 00000/0000 2-20026/1810                            | 06/11/76         | 10                  | 7059            | 19.6         | 43.2         | GGGG                               |                     |                      | 104                   | 83                   |
| 13830E 3302S                            | 2524-23465        | 00000/0000 2-20028/0383                            | 06/29/76         | 10                  | 7310            | 18.9         | 44.0         | GGGG                               |                     |                      | 104                   | 83                   |
| 13825E 3256S                            | 2650-23430        | 00000/0000 2-20035/0474                            | 11/02/76         | 80                  | 9067            | 48.3         | 74.7         | GGGG                               |                     |                      | 104                   | 83                   |
| 13825E 3257S                            | 2632-23434        | 00000/0000 2-20034/0822                            | 10/15/76         | 90                  | 8816            | 44.4         | 67.7         | GGGG                               |                     |                      | 104                   | 83                   |
| 13825E 3259S                            | 2614-23442        | 00000/0000 2-20034/0039                            | 09/27/76         | 90                  | 8565            | 39.1         | 61.7         | GGGG                               |                     |                      | 104                   | 83                   |
| 13825E 3308S                            | 2686-23413        | 00000/0000 2-20037/0572                            | 12/08/76         | 30                  | 9569            | 49.9         | 86.7         | GGGG                               |                     |                      | 104                   | 83                   |
| 13824E 3302S                            | 2668-23422        | 00000/0000 2-20036/1097                            | 11/20/76         | 50                  | 9318            | 50.2         | 81.6         | GGGG                               |                     |                      | 104                   | 83                   |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANK)=NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0706

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN REEL | DATE<br>ACQUIRED | CLOUD<br>COVER % | BRIGHT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | BRIGHT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|----------------------|------------------|------------------|------------------|--------------|--------------|-----------------------|---------------------|----------------------|------------------------|----------------------|
| LONG                        | LAT   |                   | RBV                   | MSS                  |                  |                  |                  |              |              | 123 45678             |                     |                      |                        |                      |
| 13806E                      | 3429S | 2542-23465        | 00000/0000            | 2-20028/1666         | 07/17/76         | 90               | 7561             | 18.9         | 45.9         |                       |                     |                      | 104                    | 84                   |
| 13805E                      | 3424S | 2506-23475        | 00000/0000            | 2-20026/1811         | 06/11/76         | 10               | 7059             | 18.4         | 43.1         | GGGG                  |                     |                      | 104                    | 84                   |
| 13804E                      | 3427S | 2524-23472        | 00000/0000            | 2-20028/0384         | 06/29/76         | 50               | 7310             | 17.7         | 43.9         | GGGG                  |                     |                      | 104                    | 84                   |
| 13804E                      | 3435S | 2560-23461        | 00000/0000            | 2-20030/0802         | 08/04/76         | 60               | 7812             | 21.8         | 48.8         | GGGG                  |                     |                      | 104                    | 84                   |
| 13800E                      | 3431S | 2596-23451        | 00000/0000            | 2-20032/0743         | 09/09/76         | 40               | 8314             | 32.1         | 56.2         | FGGF                  |                     |                      | 104                    | 84                   |
| 13759E                      | 3422S | 2650-23432        | 00000/0000            | 2-20035/0475         | 11/02/76         | 70               | 9067             | 47.6         | 73.5         | GGG                   |                     |                      | 104                    | 84                   |
| 13759E                      | 3424S | 2614-23444        | 00000/0000            | 2-20034/0040         | 09/27/76         | 90               | 8565             | 38.1         | 60.9         | GGGG                  |                     |                      | 104                    | 84                   |
| 13759E                      | 3434S | 2686-23420        | 00000/0000            | 2-20037/0573         | 12/08/76         | 40               | 9569             | 49.6         | 85.2         | GGGG                  |                     |                      | 104                    | 84                   |
| 13759E                      | 3434S | 2704-23411        | 00000/0000            | 2-20038/0100         | 12/26/76         | 60               | 9820             | 47.9         | 87.4         | GGGG                  |                     |                      | 104                    | 84                   |
| 13758E                      | 3422S | 2632-23441        | 00000/0000            | 2-20034/0823         | 10/15/76         | 80               | 8816             | 43.6         | 66.7         | GGGG                  |                     |                      | 104                    | 84                   |
| 13758E                      | 3428S | 2668-23424        | 00000/0000            | 2-20036/1098         | 11/20/76         | 80               | 9318             | 49.7         | 80.2         | GGGG                  |                     |                      | 104                    | 84                   |
| 13746E                      | 3729N | 2556-00401        | 00000/0000            | 2-20030/0572         | 07/31/76         | 10               | 7743             | 54.8         | 113.7        | GGGG                  |                     |                      | 117                    | 34                   |
| 13742E                      | 4849N | 2559-00535        | 00000/0000            | 2-20030/0583         | 08/03/76         | 90               | 7785             | 50.2         | 131.3        | FGFG                  |                     |                      | 120                    | 26                   |
| 13719E                      | 3603N | 2556-00403        | 00000/0000            | 2-20030/0573         | 07/31/76         | 20               | 7743             | 55.1         | 111.5        | GGGG                  |                     |                      | 117                    | 35                   |
| 13706E                      | 3255S | 2507-23530        | 00000/0000            | 2-20026/1140         | 06/12/76         | 20               | 7073             | 19.5         | 43.2         | GGGG                  |                     |                      | 105                    | 83                   |
| 13705E                      | 4724N | 2559-00542        | 00000/0000            | 2-20030/0584         | 08/03/76         | 90               | 7785             | 50.9         | 129.3        | FFFG                  |                     |                      | 120                    | 27                   |
| 13705E                      | 3258S | 2489-23533        | 00000/0000            | 2-20026/0088         | 05/25/76         | 10               | 6822             | 21.7         | 44.0         | GFFG                  |                     |                      | 105                    | 83                   |
| 13705E                      | 3306S | 2579-23510        | 00000/0000            | 2-20032/0332         | 08/23/76         | 30               | 8077             | 27.9         | 52.7         | GGGF                  |                     |                      | 105                    | 83                   |
| 13704E                      | 3258S | 2525-23523        | 00000/0000            | 2-20028/0457         | 06/30/76         | 30               | 7324             | 19.0         | 44.1         | GGGG                  |                     |                      | 105                    | 83                   |
| 13704E                      | 3307S | 2543-23520        | 00000/0000            | 2-20028/1795         | 07/18/76         | 0                | 7575             | 20.1         | 46.2         | GGGG                  |                     |                      | 105                    | 83                   |
| 13703E                      | 3308S | 2561-23512        | 00000/0000            | 2-20030/0866         | 08/05/76         | 60               | 7826             | 23.2         | 49.1         | GGGG                  |                     |                      | 105                    | 83                   |
| 13702E                      | 5022N | 2470-01012        | 00000/0000            | 2-20024/1446         | 05/06/76         | 30               | 6544             | 50.0         | 138.1        | GGG                   |                     |                      | 121                    | 25                   |
| 13700E                      | 3308S | 2687-23471        | 00000/0000            | 2-20037/0566         | 12/09/76         | 40               | 9583             | 49.9         | 86.9         | GGGG                  |                     |                      | 105                    | 83                   |
| 13659E                      | 3302S | 2615-23500        | 00000/0000            | 2-20034/0024         | 09/28/76         | 50               | 8579             | 39.4         | 61.9         | GGGG                  |                     |                      | 105                    | 83                   |
| 13659E                      | 3303S | 2597-23503        | 00000/0000            | 2-20032/1135         | 09/10/76         | 30               | 8328             | 33.5         | 56.9         | F                     |                     |                      | 105                    | 83                   |
| 13659E                      | 3306S | 2705-23463        | 00000/0000            | 2-20038/0346         | 12/27/76         | 10               | 9834             | 48.1         | 88.9         | GGGG                  |                     |                      | 105                    | 83                   |
| 13658E                      | 3303S | 2669-23480        | 00000/0000            | 2-20034/1134         | 11/21/76         | 10               | 9332             | 50.2         | 81.9         | GGGF                  |                     |                      | 105                    | 83                   |
| 13657E                      | 3259S | 2633-23492        | 00000/0000            | 2-20034/0871         | 10/16/76         | 90               | 8830             | 44.7         | 68.1         | GGGG                  |                     |                      | 105                    | 83                   |
| 13652E                      | 3438N | 2556-00410        | 00000/0000            | 2-20030/0574         | 07/31/76         | 30               | 7743             | 55.4         | 109.2        | GGGG                  |                     |                      | 117                    | 36                   |
| 13651E                      | 5005N | 2506-01004        | 00000/0000            | 2-20026/1237         | 06/11/76         | 20               | 7046             | 55.4         | 131.1        | FGGG                  |                     |                      | 121                    | 25                   |
| 13650E                      | 5006N | 2524-01002        | 00000/0000            | 2-20028/0289         | 06/29/76         | 40               | 7297             | 55.0         | 129.4        | GGGG                  |                     |                      | 121                    | 25                   |
| 13647E                      | 3854N | 2557-00452        | 00000/0000            | 2-20030/0391         | 08/01/76         | 70               | 7757             | 54.3         | 116.2        | GGGG                  |                     |                      | 118                    | 33                   |
| 13640E                      | 3421S | 2507-23533        | 00000/0000            | 2-20026/1141         | 06/12/76         | 80               | 7073             | 18.3         | 43.1         | GGGG                  |                     |                      | 105                    | 84                   |
| 13633E                      | 3422S | 2651-23491        | 00000/0000            | 2-20036/0044         | 11/03/76         | 90               | 9081             | 47.8         | 73.8         | GGGG                  |                     |                      | 105                    | 84                   |
| 13633E                      | 3427S | 2615-23502        | 00000/0000            | 2-20034/0025         | 09/28/76         | 30               | 8579             | 38.5         | 61.2         | GGGG                  |                     |                      | 105                    | 84                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR VBN=US  
FROM 01/22/76 TO 01/22/77

PAGE 0707

| PRINCIPAL PRINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLSD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 13633E                                  | 3434S             | 2657-23474                   | 00000/0000                  | 2-20037/0567     | 12/09/76           | 10              | 9583         | 49.5         | 85.4                               | GGGG                |                      | 105                   | 84                   |
| 13632E                                  | 3429S             | 2669-23482                   | 00000/0000                  | 2-20036/1135     | 11/21/76           | 20              | 9332         | 49.7         | 80.5                               | GGGF                |                      | 105                   | 84                   |
| 13631E                                  | 4559N             | 2559-00544                   | 00000/0000                  | 2-20030/0585     | 08/03/76           | 80              | 7785         | 51.5         | 127.4                              | GGGG                |                      | 120                   | 28                   |
| 13631E                                  | 2843N             | 2375-00415                   | 00000/0000                  | 2-20020/0726     | 02/01/76           | 80              | 5219         | 32.1         | 138.2                              | GGGG                |                      | 116                   | 40                   |
| 13631E                                  | 3423S             | 2633-23495                   | 00000/0000                  | 2-20034/0872     | 10/16/76           | 90              | 8830         | 43.9         | 67.1                               | GGGG                |                      | 105                   | 84                   |
| 13627E                                  | 3312N             | 2556-00412                   | 00000/0000                  | 2-20030/0575     | 07/31/76           | 30              | 7743         | 55.5         | 106.9                              | GGGG                |                      | 117                   | 37                   |
| 13623E                                  | 4857N             | 2470-01020                   | 00000/0000                  | 2-20024/1447     | 05/06/76           | 70              | 6544         | 50.7         | 136.2                              | GGGF                |                      | 121                   | 26                   |
| 13619E                                  | 3728N             | 2557-00455                   | 00000/0000                  | 2-20030/0392     | 08/01/76           | 60              | 7757         | 54.7         | 114.0                              | GGGG                |                      | 118                   | 34                   |
| 13616E                                  | 3723N             | 2539-00462                   | 00000/0000                  | 2-20028/1301     | 07/14/76           | 90              | 7506         | 57.2         | 109.1                              | PPFF                |                      | 118                   | 34                   |
| 13613E                                  | 4841N             | 2506-01011                   | 00000/0000                  | 2-20026/1238     | 06/11/76           | 40              | 7046         | 56.0         | 128.8                              | FGGG                |                      | 121                   | 26                   |
| 13612E                                  | 4841N             | 2524-01004                   | 00000/0000                  | 2-20028/0290     | 06/29/76           | 10              | 7297         | 55.6         | 127.1                              | GGGG                |                      | 121                   | 26                   |
| 13607E                                  | 2718N             | 2375-00422                   | 00000/0000                  | 2-20020/0727     | 02/01/76           | 80              | 5219         | 32.9         | 137.3                              | GGGG                |                      | 116                   | 41                   |
| 13557E                                  | 4433N             | 2559-00551                   | 00000/0000                  | 2-20030/0586     | 08/03/76           | 30              | 7785         | 52.1         | 125.3                              | GGGG                |                      | 120                   | 29                   |
| 13552E                                  | 3602N             | 2557-00461                   | 00000/0000                  | 2-20030/0393     | 08/01/76           | 40              | 7757         | 55.0         | 111.8                              | GGGF                |                      | 118                   | 35                   |
| 13549E                                  | 3557N             | 2539-00465                   | 00000/0000                  | 2-20028/1302     | 07/14/76           | 90              | 7506         | 57.3         | 106.6                              | FGGG                |                      | 118                   | 35                   |
| 13546E                                  | 4732N             | 2470-01022                   | 00000/0000                  | 2-20024/1448     | 05/06/76           | 80              | 6544         | 51.5         | 134.3                              | GGGF                |                      | 121                   | 27                   |
| 13544E                                  | 2552N             | 2375-00424                   | 00000/0000                  | 2-20020/0728     | 02/01/76           | 30              | 5219         | 33.8         | 136.4                              | GGGG                |                      | 116                   | 42                   |
| 13539E                                  | 3259S             | 2508-23535                   | 00000/0000                  | 2-20026/1460     | 06/13/76           | 60              | 7087         | 19.5         | 43.2                               | GGGG                |                      | 104                   | 83                   |
| 13539E                                  | 3306S             | 2562-23571                   | 00000/0000                  | 2-20030/0891     | 08/06/76           | 30              | 7840         | 23.5         | 49.3                               | GGGG                |                      | 106                   | 83                   |
| 13538E                                  | 3259S             | 2526-23582                   | 00000/0000                  | 2-20028/0511     | 07/01/76           | 90              | 7338         | 19.0         | 44.2                               | GGGG                |                      | 106                   | 83                   |
| 13537E                                  | 5026N             | 2453-01075                   | 00000/0000                  | 2-20024/0132     | 04/19/76           | 50              | 6307         | 44.9         | 140.9                              | GGGG                |                      | 122                   | 25                   |
| 13537E                                  | 4716N             | 2506-01013                   | 00000/0000                  | 2-20026/1239     | 06/11/76           | 30              | 7046         | 56.6         | 126.4                              | FGGG                |                      | 121                   | 27                   |
| 13537E                                  | 3305S             | 2544-23575                   | 00000/0000                  | 2-20029/0039     | 07/19/76           | 0               | 7533         | 20.3         | 46.3                               | GGGG                |                      | 106                   | 83                   |
| 13536E                                  | 4716N             | 2524-01011                   | 00000/0000                  | 2-20028/0291     | 06/29/76           | 10              | 7297         | 56.2         | 124.8                              | GGGG                |                      | 121                   | 27                   |
| 13535E                                  | 3305S             | 2598-23561                   | 00000/0000                  | 2-20032/1175     | 09/11/76           | 20              | 8342         | 33.8         | 57.2                               | GGGG                |                      | 104                   | 83                   |
| 13534E                                  | 3256S             | 2616-23554                   | 00000/0000                  | 2-20034/0149     | 09/29/76           | 30              | 8593         | 39.7         | 62.3                               | GGGG                |                      | 106                   | 83                   |
| 13533E                                  | 3257S             | 2652-23542                   | 00000/0000                  | 2-20035/0533     | 11/04/76           | 80              | 9095         | 48.6         | 75.5                               | FGGG                |                      | 106                   | 83                   |
| 13533E                                  | 3306S             | 2688-23530                   | 00000/0000                  | 2-20037/0264     | 12/10/76           | 10              | 9597         | 49.8         | 87.1                               | GGGG                |                      | 106                   | 83                   |
| 13532E                                  | 3304S             | 2670-23534                   | 00000/0000                  | 2-20034/1213     | 11/22/76           | 80              | 9346         | 50.2         | 82.3                               | GGGG                |                      | 104                   | 83                   |
| 13532E                                  | 3306S             | 2706-23521                   | 00000/0000                  | 2-20038/0267     | 12/28/76           | 10              | 9848         | 47.9         | 88.9                               | G                   |                      | 106                   | 83                   |
| 13531E                                  | 3257S             | 2634-23550                   | 00000/0000                  | 2-20034/0832     | 10/17/76           | 50              | 8844         | 44.9         | 68.5                               | G                   |                      | 104                   | 83                   |
| 13528E                                  | 5010N             | 2543-01053                   | 00000/0000                  | 2-20028/1667     | 07/13/76           | 10              | 7562         | 52.7         | 130.5                              | GGGG                |                      | 122                   | 26                   |
| 13525E                                  | 4309N             | 2559-00553                   | 00000/0000                  | 2-20030/0587     | 08/03/76           | 10              | 7785         | 52.6         | 123.3                              | GGFF                |                      | 120                   | 30                   |
| 13525E                                  | 3436N             | 2557-00464                   | 00000/0000                  | 2-20030/0394     | 08/01/76           | 40              | 7757         | 55.2         | 109.5                              | GGGF                |                      | 118                   | 36                   |
| 13523E                                  | 5007N             | 2525-01060                   | 00000/0000                  | 2-20028/0385     | 06/30/76           | 20              | 7311         | 54.9         | 129.5                              | FGGG                |                      | 122                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US

PAGE 0708

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SRBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 13523E                      | 3432N | 2539-00471 | 00000/0000        | 2-20028/1303                 | 07/14/76                    | 90               | 7506                | 57.4            | 104.1        | FFFF         |                       |                     | 118                  | 36                    |                      |
| 13521E                      | 2425N | 2375-00431 | 00000/0000        | 2-20028/0729                 | 02/01/76                    | 20               | 5219                | 34.7            | 135.5        | GGGG         |                       |                     | 116                  | 43                    |                      |
| 13513E                      | 3424S | 2508-23531 | 00000/0000        | 2-20026/1461                 | 05/13/76                    | 90               | 7087                | 18.2            | 43.1         | GGGG         |                       |                     | 106                  | 84                    |                      |
| 13511E                      | 4607N | 2470-01025 | 00000/0000        | 2-20024/1449                 | 05/04/76                    | 80               | 6544                | 52.2            | 132.3        | GGGF         |                       |                     | 121                  | 28                    |                      |
| 13508E                      | 3421S | 2616-23560 | 00000/0000        | 2-20034/0150                 | 09/29/76                    | 30               | 8593                | 38.8            | 61.6         | GGGG         |                       |                     | 106                  | 84                    |                      |
| 13507E                      | 3423S | 2652-23545 | 00000/0000        | 2-20035/0534                 | 11/04/76                    | 90               | 9695                | 48.0            | 74.2         | FGGG         |                       |                     | 106                  | 84                    |                      |
| 13507E                      | 3432S | 2688-23532 | 00000/0000        | 2-20037/0265                 | 12/10/76                    | 40               | 9597                | 49.5            | 85.7         | FGGG         |                       |                     | 106                  | 84                    |                      |
| 13506E                      | 3422S | 2634-23553 | 00000/0000        | 2-20034/0883                 | 10/17/76                    | 60               | 8844                | 44.1            | 67.5         | GGGG         |                       |                     | 106                  | 84                    |                      |
| 13506E                      | 3429S | 2670-23541 | 00000/0000        | 2-20036/1214                 | 11/22/76                    | 70               | 9346                | 49.7            | 80.8         | GFGG         |                       |                     | 106                  | 84                    |                      |
| 13503E                      | 4553N | 2542-01010 | 00000/0000        | 2-20028/1431                 | 07/17/76                    | 60               | 7548                | 54.6            | 123.7        | GGGG         |                       |                     | 121                  | 28                    |                      |
| 13502E                      | 4551N | 2506-01020 | 00000/0000        | 2-20026/1240                 | 06/11/76                    | 10               | 7046                | 57.2            | 124.0        | GGGG         |                       |                     | 121                  | 28                    |                      |
| 13501E                      | 4551N | 2524-01013 | 00000/0000        | 2-20028/0292                 | 06/29/76                    | 10               | 7297                | 56.7            | 122.4        | GGGG         |                       |                     | 121                  | 28                    |                      |
| 13459E                      | 3310N | 2557-00470 | 00000/0000        | 2-20030/0395                 | 08/01/76                    | 30               | 7757                | 55.4            | 107.3        | GGGG         |                       |                     | 118                  | 37                    |                      |
| 13459E                      | 2259N | 2375-00433 | 00000/0000        | 2-20028/0730                 | 02/01/76                    | 30               | 5219                | 35.5            | 134.5        | GGGG         |                       |                     | 114                  | 44                    |                      |
| 13458E                      | 4901N | 2453-01081 | 00000/0000        | 2-20024/0133                 | 04/19/76                    | 40               | 6307                | 45.7            | 139.3        | GGGG         |                       |                     | 122                  | 26                    |                      |
| 13457E                      | 3306N | 2539-00474 | 00000/0000        | 2-20028/1304                 | 07/14/76                    | 70               | 7506                | 57.5            | 101.7        | FGGF         |                       |                     | 118                  | 37                    |                      |
| 13454E                      | 4853N | 2471-01074 | 00000/0000        | 2-20025/0197                 | 05/07/76                    | 20               | 6558                | 51.0            | 135.9        | GGGG         |                       |                     | 122                  | 26                    |                      |
| 13453E                      | 4143N | 2559-00560 | 00000/0000        | 2-20030/0588                 | 08/03/76                    | 20               | 7785                | 53.1            | 121.2        | GGGG         |                       |                     | 120                  | 31                    |                      |
| 13452E                      | 4857N | 2579-01045 | 00000/0000        | 2-20030/1708                 | 08/23/76                    | 10               | 8064                | 45.2            | 136.8        | GMGG         |                       |                     | 122                  | 26                    |                      |
| 13452E                      | 3729N | 2558-00513 | 00000/0000        | 2-20030/0522                 | 08/02/76                    | 100              | 7771                | 54.5            | 114.4        | GGGG         |                       |                     | 119                  | 34                    |                      |
| 13450E                      | 4848N | 2561-01032 | 00000/0000        | 2-20030/0803                 | 08/05/76                    | 90               | 7813                | 49.8            | 131.8        | GGGG         |                       |                     | 122                  | 26                    |                      |
| 13449E                      | 4847N | 2489-01072 | 00000/0000        | 2-20026/0025                 | 05/25/76                    | 70               | 6809                | 54.6            | 132.1        | G            |                       |                     | 122                  | 26                    |                      |
| 13449E                      | 4845N | 2543-01055 | 00000/0000        | 2-20028/1668                 | 07/14/76                    | 10               | 7562                | 53.3            | 128.3        | GGGG         |                       |                     | 122                  | 26                    |                      |
| 13448E                      | 4851N | 2597-01042 | 00000/0000        | 2-20032/1046                 | 09/10/76                    | 10               | 8315                | 40.0            | 142.0        | FGGG         |                       |                     | 122                  | 26                    |                      |
| 13445E                      | 4843N | 2525-01062 | 00000/0000        | 2-20028/0386                 | 06/30/76                    | 10               | 7311                | 55.5            | 127.1        | GGGG         |                       |                     | 122                  | 26                    |                      |
| 13433E                      | 3134S | 2618-00010 | 00000/0000        | 2-20034/0161                 | 10/01/76                    | 100              | 8607                | 40.9            | 63.4         | GGGG         |                       |                     | 107                  | 82                    |                      |
| 13432E                      | 3142S | 2629-23551 | 00000/0000        | 2-20037/0271                 | 12/11/76                    | 30               | 9611                | 50.1            | 88.8         | FFFF         |                       |                     | 107                  | 82                    |                      |
| 13431E                      | 3136S | 2653-23594 | 00000/0000        | 2-20034/0018                 | 11/05/76                    | 0                | 9109                | 49.3            | 77.3         | GGGG         |                       |                     | 107                  | 82                    |                      |
| 13431E                      | 3137S | 2671-23570 | 00000/0000        | 2-20036/1226                 | 11/23/76                    | 30               | 9360                | 50.7            | 84.2         | GGGG         |                       |                     | 107                  | 82                    |                      |
| 13430E                      | 3135S | 2636-00002 | 00000/0000        | 2-20034/1085                 | 10/19/76                    | 90               | 8858                | 45.9            | 69.9         | PFFG         |                       |                     | 107                  | 82                    |                      |
| 13428E                      | 4426N | 2524-01020 | 00000/0000        | 2-20024/0293                 | 06/29/76                    | 40               | 7297                | 57.1            | 119.9        | GGGG         |                       |                     | 121                  | 29                    |                      |
| 13426E                      | 3604N | 2558-00520 | 00000/0000        | 2-20030/0523                 | 08/02/76                    | 100              | 7771                | 54.8            | 112.2        | GGGF         |                       |                     | 119                  | 35                    |                      |
| 13423E                      | 4018N | 2559-00562 | 00000/0000        | 2-20036/0539                 | 08/03/76                    | 70               | 7785                | 53.6            | 119.1        | FGGG         |                       |                     | 120                  | 32                    |                      |
| 13421E                      | 4735N | 2453-01084 | 00000/0000        | 2-20024/0134                 | 04/19/76                    | 50               | 6307                | 46.5            | 137.6        | GGGG         |                       |                     | 122                  | 27                    |                      |
| 13418E                      | 4727N | 2471-01081 | 00000/0000        | 2-20028/0198                 | 05/07/76                    | 30               | 6558                | 51.8            | 134.0        | GGGG         |                       |                     | 122                  | 27                    |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

 LANDSAT-2  
 COORDINATE LISTING  
 FOR NBN-US

PAGE 0709

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL No./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 13415E                      | 4733N             | 2579-01051            | 00000/0000           | 2-20030/1709     | 08/23/76            | 60              | 8064         | 46.0         | 135.2                 | G GG                |                      | 122                   | 27                   |
| 13413E                      | 4724N             | 2561-01054            | 00000/0000           | 2-20030/1804     | 08/05/76            | 90              | 7813         | 50.5         | 129.8                 | GGGG                |                      | 122                   | 27                   |
| 13413E                      | 4722N             | 2489-01074            | 00000/0000           | 2-20026/0026     | 05/25/76            | 80              | 6809         | 55.3         | 129.9                 | GGGG                |                      | 122                   | 27                   |
| 13413E                      | 3258S             | 2510-00043            | 00000/0000           | 2-20026/1575     | 06/15/76            | 80              | 7101         | 19.4         | 43.2                  | GGGG                |                      | 107                   | 83                   |
| 13412E                      | 4720N             | 2543-01062            | 00000/0000           | 2-20028/1669     | 07/18/76            | 20              | 7562         | 53.9         | 126.1                 | GGGG                |                      | 122                   | 27                   |
| 13411E                      | 4726N             | 2597-01044            | 00000/0000           | 2-20032/1047     | 09/10/76            | 10              | 8315         | 40.9         | 140.6                 | GGGG                |                      | 122                   | 27                   |
| 13409E                      | 4717N             | 2525-01065            | 00000/0000           | 2-20028/0387     | 06/30/76            | 10              | 7311         | 56.1         | 124.8                 | GGGG                |                      | 122                   | 27                   |
| 13408E                      | 3259S             | 2618-00012            | 00000/0000           | 2-20034/0182     | 10/01/76            | 90              | 8607         | 40.0         | 62.6                  | GGGG                |                      | 107                   | 83                   |
| 13407E                      | 3308S             | 2639-23584            | 00000/0000           | 2-20037/0272     | 12/11/76            | 40              | 9611         | 49.7         | 87.3                  | FGGG                |                      | 107                   | 83                   |
| 13406E                      | 3303S             | 2671-23592            | 00000/0000           | 2-20036/1227     | 11/23/76            | 40              | 9360         | 50.3         | 82.6                  | GGGG                |                      | 107                   | 83                   |
| 13405E                      | 3259S             | 2636-00005            | 00000/0000           | 2-20034/1086     | 10/19/76            | 50              | 8858         | 45.1         | 68.8                  | FFGG                |                      | 107                   | 83                   |
| 13359E                      | 3439N             | 2558-00522            | 00000/0000           | 2-20030/0524     | 08/02/76            | 90              | 7771         | 55.1         | 110.0                 | GGGG                |                      | 119                   | 36                   |
| 13356E                      | 4301N             | 2524-01022            | 00000/0000           | 2-20028/0294     | 06/29/76            | 90              | 7297         | 57.5         | 117.5                 | GGGG                |                      | 121                   | 30                   |
| 13355E                      | 3852N             | 2559-00565            | 00000/0000           | 2-20030/0590     | 08/03/76            | 90              | 7785         | 54.0         | 116.9                 | GGGG                |                      | 120                   | 33                   |
| 13344E                      | 4610N             | 2453-01090            | 00000/0000           | 2-20024/0135     | 04/19/76            | 20              | 6307         | 47.4         | 126.0                 | GGGG                |                      | 122                   | 28                   |
| 13342E                      | 4602N             | 2471-01083            | 00000/0000           | 2-20025/0199     | 05/07/76            | 10              | 6558         | 52.5         | 132.0                 | GGGG                |                      | 122                   | 28                   |
| 13340E                      | 4607N             | 2579-01054            | 00000/0000           | 2-20030/1710     | 08/23/76            | 10              | 8064         | 46.8         | 133.3                 | GGGG                |                      | 122                   | 28                   |
| 13338E                      | 4559N             | 2561-01061            | 00000/0000           | 2-20030/0805     | 08/05/76            | 90              | 7813         | 51.1         | 127.9                 | GGGG                |                      | 122                   | 28                   |
| 13337E                      | 4558N             | 2489-01051            | 00000/0000           | 2-20026/0027     | 05/25/76            | 90              | 6809         | 55.9         | 127.6                 | GGGG                |                      | 122                   | 28                   |
| 13337E                      | 4555N             | 2543-01064            | 00000/0000           | 2-20028/1670     | 07/18/76            | 50              | 7562         | 54.4         | 123.9                 | GGGG                |                      | 122                   | 28                   |
| 13336E                      | 4601N             | 2597-01051            | 00000/0000           | 2-20032/1048     | 09/10/76            | 10              | 8315         | 41.7         | 139.3                 | GGGG                |                      | 122                   | 28                   |
| 13334E                      | 4553N             | 2525-01071            | 00000/0000           | 2-20028/0388     | 06/30/76            | 20              | 7311         | 56.6         | 122.4                 | GGGG                |                      | 122                   | 28                   |
| 13334E                      | 3312N             | 2558-00525            | 00000/0000           | 2-20030/0525     | 08/02/76            | 80              | 7771         | 55.3         | 107.7                 | GGGG                |                      | 119                   | 37                   |
| 13330E                      | 4858N             | 2454-01135            | 00000/0000           | 2-20024/0022     | 04/20/76            | 50              | 6321         | 46.1         | 139.1                 | FFGG                |                      | 123                   | 26                   |
| 13330E                      | 4145N             | 2560-01014            | 00000/0000           | 2-20030/0763     | 08/04/76            | 50              | 7799         | 52.9         | 121.5                 | GGGG                |                      | 121                   | 31                   |
| 13328E                      | 4855N             | 2472-01133            | 00000/0000           | 2-20024/1677     | 05/08/76            | 10              | 6572         | 51.3         | 135.8                 | GGGG                |                      | 123                   | 26                   |
| 13326E                      | 4135N             | 2524-01025            | 00000/0000           | 2-20028/0295     | 06/29/76            | 90              | 7297         | 57.9         | 114.9                 | GGGG                |                      | 121                   | 31                   |
| 13324E                      | 4844N             | 2544-01113            | 00000/0000           | 2-20028/1796     | 07/19/76            | 10              | 7576         | 53.2         | 128.4                 | GGGG                |                      | 123                   | 26                   |
| 13324E                      | 1425S             | 2442-00235            | 00000/0000           | 2-20022/1419     | 04/08/76            | 10              | 6153         | 43.9         | 64.8                  | GGGG                |                      | 111                   | 70                   |
| 13323E                      | 1423S             | 2436-00222            | 00000/0000           | 2-20026/0570     | 06/01/76            | 20              | 6906         | 36.2         | 48.1                  | GPGF                |                      | 111                   | 70                   |
| 13321E                      | 4841N             | 2508-01123            | 00000/0000           | 2-20024/1142     | 06/13/76            | 30              | 7074         | 56.1         | 128.5                 | FFGG                |                      | 123                   | 26                   |
| 13319E                      | 4845N             | 2526-01120            | 00000/0000           | 2-20028/0458     | 07/01/76            | 40              | 7325         | 55.4         | 127.2                 | GGGG                |                      | 123                   | 26                   |
| 13313E                      | 1426S             | 2370-00255            | 00000/0000           | 2-20020/0413     | 01/27/76            | 0               | 5149         | 48.3         | 102.1                 | GPGF                |                      | 111                   | 70                   |
| 13310E                      | 4444N             | 2453-01093            | 00000/0000           | 2-20024/0136     | 04/19/76            | 90              | 6307         | 48.1         | 134.3                 | GPGF                |                      | 122                   | 29                   |
| 13309E                      | 4437N             | 2471-01090            | 00000/0000           | 2-20025/0200     | 05/07/76            | 10              | 6558         | 53.2         | 130.0                 | GGGG                |                      | 122                   | 29                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0710

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL |     | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------------------------|--------------|------------------|---------------------|-----------------|--------------|--------------|------------|-----|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                                     | MSS          |                  |                     |                 |              |              | RBV        | MSS |                     |                      |                       |                      |
| 13304E                      | 4430N | 2543-01071        | 00000/0000                              | 2-2002R/1671 | 07/18/76         | 50                  | 7562            | 54.9         | 121.7        | GGGG       |     |                     |                      | 122                   | 29                   |
| 13301E                      | 4428N | 2525-01074        | 00000/0000                              | 2-2002R/0389 | 06/30/76         | 10                  | 7311            | 57.0         | 120.0        | GGGG       |     |                     |                      | 122                   | 29                   |
| 13259E                      | 4021N | 2560-01021        | 00000/0000                              | 2-2003R/0764 | 08/04/76         | 60                  | 7799            | 53.4         | 119.4        | GGGG       |     |                     |                      | 121                   | 32                   |
| 13255E                      | 4010N | 2524-01031        | 00000/0000                              | 2-2002R/0296 | 06/29/76         | 90                  | 7297            | 58.2         | 112.4        | GGGG       |     |                     |                      | 121                   | 32                   |
| 13253E                      | 4733N | 2454-01142        | 00000/0000                              | 2-2002R/0023 | 04/20/76         | 100                 | 6321            | 46.9         | 137.4        | GGGG       |     |                     |                      | 123                   | 27                   |
| 13252E                      | 4729N | 2472-01135        | 00000/0000                              | 2-2002R/1678 | 05/08/76         | 10                  | 6572            | 52.0         | 133.8        | GGGG       |     |                     |                      | 123                   | 27                   |
| 13247E                      | 4719N | 2544-01120        | 00000/0000                              | 2-2002R/1737 | 07/19/76         | 0                   | 7576            | 53.7         | 126.2        | GGGG       |     |                     |                      | 123                   | 27                   |
| 13245E                      | 4717N | 2508-01130        | 00000/0000                              | 2-2002R/1143 | 06/13/76         | 30                  | 7074            | 56.7         | 126.1        | GGGG       |     |                     |                      | 123                   | 27                   |
| 13243E                      | 4720N | 2526-01123        | 00000/0000                              | 2-2002R/0459 | 07/01/76         | 10                  | 7325            | 56.0         | 124.8        | GGGG       |     |                     |                      | 123                   | 27                   |
| 13236E                      | 4311N | 2471-01092        | 00000/0000                              | 2-2002R/0201 | 05/07/76         | 20                  | 6558            | 53.9         | 127.9        | GGGG       |     |                     |                      | 122                   | 30                   |
| 13232E                      | 4305N | 2543-01072        | 00000/0000                              | 2-2002R/1672 | 07/15/76         | 90                  | 7562            | 55.4         | 119.4        | GGGG       |     |                     |                      | 122                   | 30                   |
| 13230E                      | 4303N | 2525-01080        | 00000/0000                              | 2-2002R/0390 | 06/30/76         | 50                  | 7311            | 57.4         | 117.5        | GGGG       |     |                     |                      | 122                   | 30                   |
| 13229E                      | 3856N | 2560-01023        | 00000/0000                              | 2-2003R/0765 | 08/04/76         | 70                  | 7799            | 53.8         | 117.3        | GGGG       |     |                     |                      | 121                   | 33                   |
| 13226E                      | 3845N | 2524-01034        | 00000/0000                              | 2-2002R/0297 | 06/29/76         | 90                  | 7297            | 58.4         | 109.8        | GGGG       |     |                     |                      | 121                   | 33                   |
| 13219E                      | 4608N | 2454-01144        | 00000/0000                              | 2-2002R/0024 | 04/20/76         | 100                 | 6321            | 47.7         | 135.7        | GGGG       |     |                     |                      | 123                   | 28                   |
| 13216E                      | 4604N | 2472-01142        | 00000/0000                              | 2-2002R/1798 | 05/08/76         | 10                  | 6572            | 52.8         | 131.8        | GGGG       |     |                     |                      | 123                   | 28                   |
| 13214E                      | 4601N | 2562-01115        | 00000/0000                              | 2-2003R/0867 | 08/06/76         | 50                  | 7827            | 50.9         | 128.2        | GGGG       |     |                     |                      | 123                   | 28                   |
| 13213E                      | 4557N | 2490-01135        | 00000/0000                              | 2-2002R/0191 | 05/26/76         | 10                  | 6823            | 54.0         | 127.3        | GGGG       |     |                     |                      | 123                   | 28                   |
| 13212E                      | 4554N | 2544-01122        | 00000/0000                              | 2-2002R/1798 | 07/19/76         | 10                  | 7576            | 54.3         | 124.0        | GGGG       |     |                     |                      | 123                   | 28                   |
| 13211E                      | 4553N | 2508-01132        | 00000/0000                              | 2-2002R/1144 | 06/13/76         | 80                  | 7074            | 57.2         | 123.7        | GGGG       |     |                     |                      | 123                   | 28                   |
| 13208E                      | 4555N | 2526-01125        | 00000/0000                              | 2-2002R/0460 | 07/01/76         | 10                  | 7325            | 56.5         | 122.5        | GGGG       |     |                     |                      | 123                   | 28                   |
| 13205E                      | 4559N | 2455-01134        | 00000/0000                              | 2-2002R/0157 | 04/21/76         | 10                  | 6335            | 46.4         | 138.9        | GGGG       |     |                     |                      | 124                   | 26                   |
| 13202E                      | 4854N | 2437-01201        | 00000/0000                              | 2-2002R/1179 | 04/03/76         | 0                   | 6084            | 40.1         | 141.4        | GGGG       |     |                     |                      | 124                   | 26                   |
| 13202E                      | 4853N | 2473-01131        | 00000/0000                              | 2-2002R/0053 | 05/09/76         | 10                  | 6586            | 51.5         | 135.5        | PFFF       |     |                     |                      | 124                   | 26                   |
| 13200E                      | 1419S | 2461-00220        | 00000/0000                              | 2-2002R/0598 | 04/27/76         | 20                  | 6413            | 41.3         | 56.5         | GGGG       |     |                     |                      | 112                   | 70                   |
| 13158E                      | 4853N | 2563-01164        | 00000/0000                              | 2-2003R/0892 | 05/07/76         | 90                  | 7841            | 49.3         | 132.3        | GGGG       |     |                     |                      | 124                   | 26                   |
| 13158E                      | 1423S | 2443-00293        | 00000/0000                              | 2-2002R/1497 | 04/09/76         | 10                  | 6167            | 43.7         | 64.3         | GGGG       |     |                     |                      | 112                   | 70                   |
| 13158E                      | 1423S | 2479-00283        | 00000/0000                              | 2-2002R/0361 | 05/15/76         | 0                   | 6669            | 38.5         | 50.9         | GGGG       |     |                     |                      | 112                   | 70                   |
| 13157E                      | 4850N | 2599-01154        | 00000/0000                              | 2-2003R/1176 | 09/12/76         | 10                  | 8343            | 39.3         | 142.6        | GGGG       |     |                     |                      | 124                   | 26                   |
| 13157E                      | 4844N | 2491-01184        | 00000/0000                              | 2-2002R/0208 | 05/27/76         | 50                  | 6837            | 54.9         | 131.6        | GGGG       |     |                     |                      | 124                   | 26                   |
| 13157E                      | 3719N | 2524-01040        | 00000/0000                              | 2-2002R/0298 | 06/29/76         | 80                  | 7297            | 58.6         | 107.3        | GGGG       |     |                     |                      | 121                   | 34                   |
| 13156E                      | 4845N | 2545-01172        | 00000/0000                              | 2-2002R/1773 | 07/20/76         | 90                  | 7590            | 53.0         | 123.6        | GGGG       |     |                     |                      | 124                   | 26                   |
| 13156E                      | 4841N | 2509-01142        | 00000/0000                              | 2-2002R/1462 | 06/14/76         | 20                  | 7088            | 56.1         | 128.3        | GGGG       |     |                     |                      | 124                   | 26                   |
| 13155E                      | 4842N | 2527-01175        | 00000/0000                              | 2-2002R/0512 | 07/02/76         | 70                  | 7339            | 55.3         | 127.1        | GGGG       |     |                     |                      | 124                   | 26                   |
| 13146E                      | 1425S | 2371-00313        | 00000/0000                              | 2-2002R/0371 | 01/28/76         | 20                  | 5163            | 48.2         | 101.7        | GGGG       |     |                     |                      | 112                   | 70                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 13146E 3133S                            | 2512-00153        | 00000/0000                   | 2-20026/1707                | 06/17/76         | 90                  | 7129            | 20.5         | 43.4         | GGGG                               |                     |                      | 109                   | 82                   |
| 13145E 4444N                            | 2454-01151        | 00000/0000                   | 2-20024/0025                | 04/20/76         | 100                 | 6321            | 48.5         | 134.0        | GGPG                               |                     |                      | 123                   | 29                   |
| 13142E 4439N                            | 2472-01144        | 00000/0000                   | 2-20024/1799                | 05/08/76         | 10                  | 6572            | 53.4         | 129.8        | GGGG                               |                     |                      | 123                   | 29                   |
| 13141E 3132S                            | 2620-00122        | 00000/0000                   | 2-20034/0199                | 10/03/76         | 50                  | 8635            | 41.5         | 64.1         | FGGG                               |                     |                      | 109                   | 82                   |
| 13141E 3142S                            | 2692-00094        | 00000/0000                   | 2-20037/0876                | 12/14/76         | 80                  | 9639            | 49.9         | 89.2         | GGGG                               |                     |                      | 109                   | 82                   |
| 13140E 4437N                            | 2562-01122        | 00000/0000                   | 2-20030/0868                | 08/06/76         | 50                  | 7827            | 51.5         | 126.2        | GGGG                               |                     |                      | 123                   | 29                   |
| 13140E 3141S                            | 2674-00102        | 00000/0000                   | 2-20036/1350                | 11/26/76         | 90                  | 9388            | 50.7         | 84.8         | GGGG                               |                     |                      | 109                   | 82                   |
| 13139E 4432N                            | 2490-01141        | 00000/0000                   | 2-20026/0192                | 05/26/76         | 10                  | 6823            | 56.6         | 125.0        | GGGG                               |                     |                      | 123                   | 29                   |
| 13139E 3132S                            | 2656-00110        | 00000/0000                   | 2-20034/0632                | 11/08/76         | 70                  | 9137            | 49.6         | 78.1         | GGGG                               |                     |                      | 109                   | 82                   |
| 13137E 4428N                            | 2544-01125        | 00000/0000                   | 2-20028/1799                | 07/19/76         | 10                  | 7576            | 54.8         | 121.8        | GGGG                               |                     |                      | 123                   | 29                   |
| 13135E 4431N                            | 2526-01132        | 00000/0000                   | 2-20028/0461                | 07/01/76         | 30                  | 7325            | 56.9         | 120.0        | GGGG                               |                     |                      | 123                   | 29                   |
| 13127E 4734N                            | 2455-01200        | 00000/0000                   | 2-20024/0158                | 04/21/76         | 10                  | 6335            | 47.2         | 137.3        | GGGG                               |                     |                      | 124                   | 27                   |
| 13125E 4728N                            | 2437-01204        | 00000/0000                   | 2-20022/1180                | 04/03/76         | 10                  | 6084            | 41.0         | 140.0        | GGGG                               |                     |                      | 124                   | 27                   |
| 13125E 4728N                            | 2473-01199        | 00000/0000                   | 2-20025/0054                | 05/09/76         | 10                  | 6586            | 52.3         | 133.5        | FFFF                               |                     |                      | 124                   | 27                   |
| 13122E 4728N                            | 2563-01171        | 00000/0000                   | 2-20030/0893                | 08/07/76         | 70                  | 7841            | 50.0         | 130.4        | GGGG                               |                     |                      | 124                   | 27                   |
| 13121E 4726N                            | 2593-01161        | 00000/0000                   | 2-20032/1177                | 09/12/76         | 10                  | 8343            | 40.3         | 141.2        | GGGG                               |                     |                      | 124                   | 27                   |
| 13120E 4720N                            | 2545-01174        | 00000/0000                   | 2-20028/1774                | 07/20/76         | 80                  | 7590            | 53.6         | 126.4        | GGGG                               |                     |                      | 124                   | 27                   |
| 13120E 4719N                            | 2491-01191        | 00000/0000                   | 2-20026/0209                | 05/27/76         | 10                  | 6837            | 55.5         | 129.4        | GGGG                               |                     |                      | 124                   | 27                   |
| 13119E 4718N                            | 2527-01151        | 00000/0000                   | 2-20028/0513                | 07/02/76         | 90                  | 7339            | 55.9         | 124.8        | GGGG                               |                     |                      | 124                   | 27                   |
| 13119E 4716N                            | 2509-01184        | 00000/0000                   | 2-20026/1463                | 06/14/76         | 30                  | 7088            | 56.7         | 126.0        | GGGG                               |                     |                      | 124                   | 27                   |
| 13114E 5017N                            | 2474-01243        | 00000/0000                   | 2-20024/1779                | 05/10/76         | 20                  | 6600            | 51.0         | 137.2        | GGGG                               |                     |                      | 125                   | 25                   |
| 13113E 4318N                            | 2454-01153        | 00000/0000                   | 2-20024/0026                | 04/20/76         | 100                 | 6321            | 49.2         | 132.3        | GGGG                               |                     |                      | 123                   | 30                   |
| 13109E 4313N                            | 2472-01151        | 00000/0000                   | 2-20024/1800                | 05/08/76         | 10                  | 6572            | 54.1         | 127.7        | GGGG                               |                     |                      | 123                   | 30                   |
| 13108E 5008N                            | 2528-01230        | 00000/0000                   | 2-20028/0535                | 07/03/76         | 20                  | 7353            | 54.6         | 129.5        | GGGG                               |                     |                      | 125                   | 25                   |
| 13107E 4312N                            | 2562-01124        | 00000/0000                   | 2-20030/0869                | 08/01/76         | 50                  | 7827            | 52.0         | 124.2        | GGGG                               |                     |                      | 123                   | 30                   |
| 13107E 4306N                            | 2490-01144        | 00000/0000                   | 2-20026/0193                | 05/26/76         | 10                  | 6823            | 57.1         | 122.6        | GGGG                               |                     |                      | 123                   | 30                   |
| 13106E 4303N                            | 2506-01141        | 00000/0000                   | 2-20026/1145                | 06/13/76         | 90                  | 7074            | 58.1         | 118.7        | GGGG                               |                     |                      | 123                   | 30                   |
| 13105E 4303N                            | 2544-01131        | 00000/0000                   | 2-20028/1800                | 07/19/76         | 10                  | 7576            | 55.2         | 119.5        | GGGG                               |                     |                      | 123                   | 30                   |
| 13103E 4306N                            | 2526-01134        | 00000/0000                   | 2-20028/0462                | 07/01/76         | 80                  | 7325            | 57.4         | 117.6        | GGGG                               |                     |                      | 123                   | 30                   |
| 13054E 1254S                            | 2452-00341        | 00000/0000                   | 2-20024/0696                | 04/28/76         | 20                  | 6432            | 42.1         | 57.0         | GGGG                               |                     |                      | 113                   | 69                   |
| 13052E 4609N                            | 2455-01203        | 00000/0000                   | 2-20024/0159                | 04/21/76         | 10                  | 6335            | 48.0         | 135.6        | GGGG                               |                     |                      | 124                   | 28                   |
| 13052E 1257S                            | 2480-00335        | 00000/0000                   | 2-20025/0552                | 05/16/76         | 0                   | 6683            | 39.4         | 51.4         | GGGG                               |                     |                      | 113                   | 69                   |
| 13052E 1258S                            | 2444-00345        | 00000/0000                   | 2-20022/1633                | 04/10/76         | 0                   | 6181            | 44.4         | 64.9         | GGGG                               |                     |                      | 113                   | 69                   |
| 13049E 4603N                            | 2437-01210        | 00000/0000                   | 2-20022/1181                | 04/03/76         | 20                  | 6034            | 41.8         | 138.6        | GGGG                               |                     |                      | 124                   | 28                   |
| 13047E 4603N                            | 2563-01173        | 00000/0000                   | 2-20030/0894                | 08/07/76         | 60                  | 7841            | 50.7         | 128.5        | GGGG                               |                     |                      | 124                   | 28                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US

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FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 13045E                      | 4600N | 2599-01163 | 00000/0000        | 2-20032/1178                 | 09/12/76                    | 10               | 8343                | 41.1            | 139.9        |              |                                    |                     |                      |                       |                      |
| 13045E                      | 4555N | 2545-01131 | 00000/0000        | 2-20028/1775                 | 07/20/76                    | 70               | 7590                | 54.1            | 124.2        | GGGG         |                                    |                     |                      | 124                   | 28                   |
| 13045E                      | 4553N | 2491-01193 | 00000/0000        | 2-20026/0210                 | 05/27/76                    | 10               | 6837                | 56.1            | 127.1        | GGGG         |                                    |                     |                      | 124                   | 28                   |
| 13045E                      | 4551N | 2509-01191 | 00000/0000        | 2-20026/1464                 | 06/14/76                    | 80               | 7088                | 57.2            | 123.5        | GGGG         |                                    |                     |                      | 124                   | 28                   |
| 13044E                      | 4554N | 2527-01184 | 00000/0000        | 2-20024/0514                 | 07/02/76                    | 40               | 7339                | 56.4            | 122.4        | GGGG         |                                    |                     |                      | 124                   | 28                   |
| 13042E                      | 1301S | 2372-00365 | 00000/0000        | 2-20020/0520                 | 01/29/76                    | 20               | 5177                | 48.1            | 102.9        | FFGG         |                                    |                     |                      | 113                   | 69                   |
| 13039E                      | 4858N | 2456-01252 | 00000/0000        | 2-20024/0333                 | 04/22/76                    | 100              | 6349                | 46.7            | 138.7        | GGF          |                                    |                     |                      | 125                   | 26                   |
| 13035E                      | 4852N | 2474-01245 | 00000/0000        | 2-20024/1780                 | 05/10/76                    | 10               | 6600                | 51.8            | 135.3        | GGGG         |                                    |                     |                      | 125                   | 26                   |
| 13033E                      | 1421S | 2462-00344 | 00000/0000        | 2-20024/0697                 | 04/28/76                    | 10               | 6432                | 41.1            | 56.1         | GGGG         |                                    |                     |                      | 113                   | 70                   |
| 13031E                      | 4847N | 2546-01230 | 00000/0000        | 2-20029/0127                 | 07/21/76                    | 70               | 7604                | 52.8            | 128.8        | GGGG         |                                    |                     |                      | 125                   | 26                   |
| 13031E                      | 1423S | 2430-00341 | 00000/0000        | 2-20025/0553                 | 05/16/76                    | 0                | 6683                | 38.3            | 50.7         | GGGG         |                                    |                     |                      | 113                   | 70                   |
| 13031E                      | 1425S | 2444-00351 | 00000/0000        | 2-20027/1634                 | 04/10/76                    | 0                | 6181                | 43.6            | 63.8         | GGGG         |                                    |                     |                      | 113                   | 70                   |
| 13030E                      | 5141N | 2475-01294 | 00000/0000        | 2-20025/0239                 | 05/11/76                    | 100              | 6614                | 50.4            | 139.0        | F            |                                    |                     |                      | 126                   | 24                   |
| 13030E                      | 4844N | 2528-01233 | 00000/0000        | 2-20028/0536                 | 07/03/76                    | 10               | 7353                | 55.2            | 127.2        | GGGG         |                                    |                     |                      | 125                   | 26                   |
| 13028E                      | 4840N | 2510-01240 | 00000/0000        | 2-20026/1576                 | 06/15/76                    | 10               | 7102                | 56.1            | 128.2        | GGGG         |                                    |                     |                      | 125                   | 26                   |
| 13022E                      | 5135N | 2529-01252 | 00000/0000        | 2-20028/0614                 | 07/04/76                    | 30               | 7367                | 53.9            | 131.8        | GGGG         |                                    |                     |                      | 126                   | 24                   |
| 13021E                      | 5131N | 2511-01245 | 00000/0000        | 2-20026/1258                 | 06/16/76                    | 100              | 7116                | 54.8            | 132.7        | GGGG         |                                    |                     |                      | 126                   | 24                   |
| 13021E                      | 1427S | 2372-00371 | 00000/0000        | 2-20027/0521                 | 01/29/76                    | 0                | 5177                | 48.2            | 101.3        | FGGG         |                                    |                     |                      | 113                   | 70                   |
| 13020E                      | 5133N | 2547-01275 | 00000/0000        | 2-20028/1705                 | 07/22/76                    | 90               | 7618                | 51.3            | 133.0        | GGGG         |                                    |                     |                      | 126                   | 24                   |
| 13018E                      | 4443N | 2455-01205 | 00000/0000        | 2-20024/0206                 | 04/21/76                    | 20               | 6335                | 48.8            | 133.9        | GGGG         |                                    |                     |                      | 124                   | 29                   |
| 13016E                      | 4438N | 2437-01213 | 00000/0000        | 2-20022/1182                 | 04/03/76                    | 30               | 6084                | 42.6            | 137.2        | GGGG         |                                    |                     |                      | 124                   | 29                   |
| 13012E                      | 4434N | 2599-01170 | 00000/0000        | 2-20032/1179                 | 09/12/76                    | 10               | 8343                | 42.0            | 138.5        | FGGG         |                                    |                     |                      | 124                   | 29                   |
| 13012E                      | 4426N | 2509-01193 | 00000/0000        | 2-20026/1465                 | 06/14/76                    | 90               | 7088                | 57.7            | 121.1        | GGGG         |                                    |                     |                      | 124                   | 29                   |
| 13011E                      | 4430N | 2545-01183 | 00000/0000        | 2-20028/1776                 | 07/20/76                    | 40               | 7590                | 54.6            | 122.0        | FGGG         |                                    |                     |                      | 124                   | 29                   |
| 13011E                      | 4429N | 2491-01200 | 00000/0000        | 2-20026/0211                 | 05/27/76                    | 0                | 6837                | 56.7            | 124.7        | GGGG         |                                    |                     |                      | 124                   | 29                   |
| 13011E                      | 4428N | 2527-01190 | 00000/0000        | 2-20028/0515                 | 07/02/76                    | 30               | 7339                | 56.9            | 120.0        | GGGG         |                                    |                     |                      | 124                   | 29                   |
| 12958E                      | 4727N | 2474-01252 | 00000/0000        | 2-20024/1781                 | 05/10/76                    | 10               | 6600                | 52.5            | 133.3        | GGGG         |                                    |                     |                      | 125                   | 27                   |
| 12955E                      | 4722N | 2546-01232 | 00000/0000        | 2-20029/0128                 | 07/21/76                    | 70               | 7604                | 53.4            | 126.6        | GGGG         |                                    |                     |                      | 125                   | 27                   |
| 12953E                      | 4720N | 2528-01235 | 00000/0000        | 2-20028/0537                 | 07/03/76                    | 10               | 7353                | 55.8            | 124.9        | GGGG         |                                    |                     |                      | 125                   | 27                   |
| 12952E                      | 4715N | 2510-01242 | 00000/0000        | 2-20026/1577                 | 06/15/76                    | 10               | 7102                | 56.7            | 125.8        | GGGG         |                                    |                     |                      | 125                   | 27                   |
| 12950E                      | 5020N | 2457-01304 | 00000/0000        | 2-20024/0406                 | 04/23/76                    | 100              | 6363                | 46.2            | 140.2        | GGGG         |                                    |                     |                      | 126                   | 25                   |
| 12949E                      | 5017N | 2475-01301 | 00000/0000        | 2-20025/0240                 | 05/11/76                    | 90               | 6614                | 51.2            | 137.1        | FGGG         |                                    |                     |                      | 126                   | 25                   |
| 12947E                      | 5019N | 2583-01271 | 00000/0000        | 2-20032/0139                 | 08/27/76                    | 0                | 8120                | 43.3            | 139.5        | GGGG         |                                    |                     |                      | 126                   | 25                   |
| 12946E                      | 5015N | 2565-01274 | 00000/0000        | 2-20032/0246                 | 08/09/76                    | 70               | 7869                | 48.1            | 134.6        | GGGG         |                                    |                     |                      | 126                   | 25                   |
| 12946E                      | 4319N | 2455-01212 | 00000/0000        | 2-20024/0207                 | 04/21/76                    | 80               | 6335                | 49.5            | 132.1        | FGGG         |                                    |                     |                      | 124                   | 30                   |

KEYS: CLOUD COVER % ..... J TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | SERVIATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RBLI | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                  | RBY                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 12944E                      | 5011N            | 2493-01294            | 00000/0000           | 2-20026/0371     | 05/29/76            | 20              | 6865         | 54.4         | 133.4                 | GGGG                |                      | 126                   | 25                   |
| 12943E                      | 5011N            | 2529-01285            | 00000/0000           | 2-20028/0615     | 07/04/76            | 10              | 7367         | 54.5         | 129.5                 | GGGG                |                      | 126                   | 25                   |
| 12943E                      | 4313N            | 2437-01215            | 00000/0000           | 2-20027/1184     | 04/03/76            | 30              | 6084         | 43.5         | 135.8                 | GGGG                |                      | 124                   | 30                   |
| 12940E                      | 5009N            | 2547-01282            | 00000/0000           | 2-20028/1706     | 07/22/76            | 90              | 7618         | 52.0         | 131.0                 | GGGG                |                      | 126                   | 25                   |
| 12940E                      | 5007N            | 2511-01292            | 00000/0000           | 2-20026/1259     | 06/16/76            | 90              | 7116         | 55.5         | 130.4                 | GGGG                |                      | 124                   | 25                   |
| 12940E                      | 4302N            | 2509-01290            | 00000/0000           | 2-20026/1466     | 06/14/76            | 90              | 7088         | 58.1         | 118.6                 | GGGG                |                      | 124                   | 30                   |
| 12939E                      | 4309N            | 2599-01172            | 00000/0000           | 2-20032/1180     | 09/12/76            | 20              | 8343         | 42.8         | 137.1                 | GGGG                |                      | 124                   | 30                   |
| 12939E                      | 4304N            | 2491-01202            | 00000/0000           | 2-20026/0212     | 05/27/76            | 0               | 6837         | 57.2         | 122.3                 | GGGG                |                      | 124                   | 30                   |
| 12938E                      | 4305N            | 2545-01170            | 00000/0000           | 2-20028/1777     | 07/20/76            | 30              | 7590         | 55.1         | 119.8                 | GGGG                |                      | 124                   | 30                   |
| 12938E                      | 4302N            | 2527-01193            | 00000/0000           | 2-20028/0516     | 07/02/76            | 50              | 7339         | 57.3         | 117.6                 | GGGG                |                      | 124                   | 30                   |
| 12923E                      | 4601N            | 2474-01254            | 00000/0000           | 2-20024/1782     | 05/10/76            | 80              | 6600         | 53.2         | 131.2                 | GGGG                |                      | 125                   | 28                   |
| 12919E                      | 4556N            | 2546-01235            | 00000/0000           | 2-20029/0129     | 07/21/76            | 90              | 7604         | 54.0         | 124.4                 | GGGG                |                      | 125                   | 28                   |
| 12918E                      | 4555N            | 2528-01242            | 00000/0000           | 2-20028/0538     | 07/03/76            | 10              | 7353         | 56.3         | 122.5                 | GGGG                |                      | 125                   | 28                   |
| 12918E                      | 4551N            | 2510-01245            | 00000/0000           | 2-20026/1578     | 06/15/76            | 10              | 7102         | 57.2         | 125.4                 | GGGG                |                      | 125                   | 28                   |
| 12915E                      | 4154N            | 2455-01214            | 00000/0000           | 2-20024/0208     | 04/21/76            | 90              | 6335         | 50.2         | 130.3                 | GGGG                |                      | 124                   | 31                   |
| 12912E                      | 4856N            | 2457-01310            | 00000/0000           | 2-20024/0407     | 04/23/76            | 90              | 6363         | 47.1         | 138.5                 | GGGG                |                      | 126                   | 26                   |
| 12912E                      | 4151N            | 2531-01132            | 00000/0000           | 2-20030/1829     | 08/25/76            | 10              | 8092         | 48.4         | 129.1                 | GGGG                |                      | 124                   | 31                   |
| 12912E                      | 4148N            | 2437-01222            | 00000/0000           | 2-20027/1185     | 04/03/76            | 20              | 6084         | 44.2         | 134.3                 | GGGG                |                      | 124                   | 31                   |
| 12911E                      | 4852N            | 2475-01303            | 00000/0000           | 2-20025/0241     | 05/11/76            | 100             | 6614         | 52.0         | 135.1                 | GGGG                |                      | 126                   | 26                   |
| 12910E                      | 4147N            | 2563-01185            | 00000/0000           | 2-20030/0895     | 08/07/76            | 10              | 7841         | 52.4         | 122.5                 | GGGG                |                      | 124                   | 31                   |
| 12910E                      | 4137N            | 2509-01202            | 00000/0000           | 2-20026/1467     | 06/14/76            | 90              | 7088         | 58.5         | 116.0                 | GGGG                |                      | 124                   | 31                   |
| 12909E                      | 4855N            | 2439-01313            | 00000/0000           | 2-20027/1359     | 04/05/76            | 10              | 6112         | 40.8         | 141.1                 | GGGG                |                      | 124                   | 26                   |
| 12909E                      | 4854N            | 2583-01274            | 00000/0000           | 2-20032/0140     | 08/27/76            | 0               | 8120         | 44.1         | 137.9                 | GGGG                |                      | 126                   | 26                   |
| 12909E                      | 4139N            | 2491-01205            | 00000/0000           | 2-20026/0213     | 05/27/76            | 0               | 6837         | 57.7         | 119.9                 | GGGG                |                      | 124                   | 31                   |
| 12908E                      | 4851N            | 2565-01241            | 00000/0000           | 2-20032/0247     | 08/09/76            | 100             | 7869         | 48.9         | 132.8                 | GGGG                |                      | 126                   | 26                   |
| 12908E                      | 4144N            | 2593-01175            | 00000/0000           | 2-20032/1181     | 09/12/76            | 90              | 8343         | 43.7         | 135.7                 | GGGG                |                      | 124                   | 31                   |
| 12907E                      | 4140N            | 2545-01192            | 00000/0000           | 2-20028/1778     | 07/20/76            | 30              | 7590         | 55.5         | 117.5                 | GGGG                |                      | 124                   | 31                   |
| 12907E                      | 4138N            | 2527-01195            | 00000/0000           | 2-20028/0517     | 07/02/76            | 70              | 7339         | 57.6         | 115.1                 | GGGG                |                      | 124                   | 31                   |
| 12905E                      | 5146N            | 2440-01363            | 00000/0000           | 2-20027/1562     | 04/06/76            | 10              | 6126         | 39.4         | 143.8                 | GGGG                |                      | 127                   | 24                   |
| 12905E                      | 5146N            | 2458-01355            | 00000/0000           | 2-20024/0375     | 04/24/76            | 100             | 6377         | 45.7         | 141.7                 | GGGG                |                      | 127                   | 24                   |
| 12905E                      | 4847N            | 2529-01291            | 00000/0000           | 2-20028/0616     | 07/04/76            | 10              | 7367         | 55.1         | 127.2                 | GGGG                |                      | 126                   | 26                   |
| 12905E                      | 4846N            | 2493-01301            | 00000/0000           | 2-20026/0372     | 05/29/76            | 40              | 6865         | 55.1         | 131.2                 | GGGG                |                      | 126                   | 26                   |
| 12902E                      | 4849N            | 2601-01271            | 00000/0000           | 2-20034/0270     | 09/14/76            | 20              | 8371         | 38.7         | 143.1                 | GGGG                |                      | 126                   | 26                   |
| 12902E                      | 4843N            | 2511-01294            | 00000/0000           | 2-20026/1260     | 06/16/76            | 70              | 7116         | 56.1         | 128.1                 | GGGG                |                      | 126                   | 26                   |
| 12901E                      | 5145N            | 2534-01323            | 00000/0000           | 2-20032/0264     | 08/28/76            | 10              | 8134         | 42.1         | 141.3                 | GGGG                |                      | 127                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |              |              | 123 45678             |                     |                      |                       |                      |
| 12901E                      | 4845N             | 2547-01284                              | 00000/0000       | 2-20028/1707        | 07/22/76     | 90           | 7618                  | 52.6                | 128.9                |                       |                      |
| 12859E                      | 5134N             | 2494-01350                              | 00000/0000       | 2-20026/0265        | 05/30/76     | 10           | 6879                  | 53.8                | 135.4                | GGGG                  | 126 26               |
| 12856E                      | 5134N             | 2530-01340                              | 00000/0000       | 2-20028/0634        | 07/05/76     | 40           | 7381                  | 53.8                | 131.7                | GGGG                  | 127 24               |
| 12855E                      | 5135N             | 2548-01337                              | 00000/0000       | 2-20028/1723        | 07/23/76     | 90           | 7632                  | 51.1                | 133.2                | GGGG                  | 127 24               |
| 12855E                      | 5135N             | 2602-01320                              | 00000/0000       | 2-20032/1264        | 09/15/76     | 0            | 8385                  | 36.5                | 145.9                | GGGG                  | 127 24               |
| 12855E                      | 5129N             | 2512-01343                              | 00000/0000       | 2-20026/1716        | 06/17/76     | 60           | 7130                  | 54.8                | 132.6                | GGGG                  | 127 24               |
| 12849E                      | 4436N             | 2474-01261                              | 00000/0000       | 2-20024/1783        | 05/10/76     | 90           | 6600                  | 53.9                | 129.2                | GGGG                  | 127 24               |
| 12845E                      | 4432N             | 2546-01241                              | 00000/0000       | 2-20029/0130        | 07/21/76     | 100          | 7604                  | 54.5                | 122.2                | GGGG                  | 125 29               |
| 12845E                      | 4426N             | 2510-01251                              | 00000/0000       | 2-20026/1579        | 06/15/76     | 30           | 7102                  | 57.7                | 120.9                | GGGG                  | 125 29               |
| 12844E                      | 4431N             | 2528-01244                              | 00000/0000       | 2-20028/0539        | 07/03/76     | 30           | 7353                  | 56.8                | 120.1                | GGGG                  | 125 29               |
| 12835E                      | 4731N             | 2457-01313                              | 00000/0000       | 2-20024/0408        | 04/23/76     | 80           | 6363                  | 47.9                | 136.8                | GGGG                  | 125 29               |
| 12834E                      | 4727N             | 2475-01310                              | 00000/0000       | 2-20025/0242        | 05/11/76     | 100          | 6614                  | 52.7                | 133.1                | GGGG                  | 126 27               |
| 12833E                      | 4730N             | 2439-01320                              | 00000/0000       | 2-20027/1360        | 04/05/76     | 10           | 6112                  | 41.7                | 139.7                | GGGG                  | 126 27               |
| 12832E                      | 4730N             | 2583-01280                              | 00000/0000       | 2-20032/0141        | 08/27/76     | 10           | 8120                  | 44.9                | 136.3                | GGGG                  | 126 27               |
| 12831E                      | 4726N             | 2555-01282                              | 00000/0000       | 2-20032/0248        | 08/09/76     | 100          | 7869                  | 49.6                | 130.9                | GGGG                  | 126 27               |
| 12829E                      | 4722N             | 2529-01294                              | 00000/0000       | 2-20028/0617        | 07/04/76     | 10           | 7367                  | 55.7                | 124.9                | GGGG                  | 126 27               |
| 12829E                      | 4721N             | 2493-01303                              | 00000/0000       | 2-20026/0373        | 05/29/76     | 10           | 6865                  | 55.7                | 129.0                | GGFG                  | 126 27               |
| 12825E                      | 4724N             | 2601-01272                              | 00000/0000       | 2-20034/0271        | 09/14/76     | 90           | 8371                  | 39.6                | 141.8                | GGGG                  | 126 27               |
| 12825E                      | 4720N             | 2547-01291                              | 00000/0000       | 2-20028/1708        | 07/22/76     | 90           | 7618                  | 53.2                | 126.7                | GGGG                  | 126 27               |
| 12825E                      | 4718N             | 2511-01301                              | 00000/0000       | 2-20026/1251        | 06/16/76     | 70           | 7116                  | 56.7                | 125.7                | GGGG                  | 126 27               |
| 12824E                      | 5021N             | 2458-01362                              | 00000/0000       | 2-20024/0376        | 04/24/76     | 90           | 6377                  | 46.5                | 140.1                | GGGG                  | 126 27               |
| 12823E                      | 5021N             | 2440-01365                              | 00000/0000       | 2-20027/1563        | 04/06/76     | 10           | 6126                  | 40.3                | 142.4                | GGGG                  | 127 25               |
| 12822E                      | 5015N             | 2476-01355                              | 00000/0000       | 2-20024/1629        | 05/12/76     | 50           | 6628                  | 51.5                | 136.9                | GGGG                  | 127 25               |
| 12821E                      | 5020N             | 2584-01325                              | 00000/0000       | 2-20032/0265        | 08/28/76     | 10           | 8134                  | 43.0                | 139.8                | GGGG                  | 127 25               |
| 12820E                      | 5018N             | 2566-01333                              | 00000/0000       | 2-20032/0008        | 08/10/76     | 90           | 7883                  | 47.9                | 134.9                | GGGG                  | 127 25               |
| 12819E                      | 5010N             | 2494-01353                              | 00000/0000       | 2-20026/0266        | 05/30/76     | 10           | 6879                  | 54.5                | 133.2                | GGGG                  | 127 25               |
| 12817E                      | 5009N             | 2530-01343                              | 00000/0000       | 2-20028/0635        | 07/05/76     | 70           | 7381                  | 54.4                | 129.5                | GGGG                  | 127 25               |
| 12817E                      | 4310N             | 2474-01263                              | 00000/0000       | 2-20024/1784        | 05/10/76     | 90           | 6600                  | 54.5                | 127.0                | GGGG                  | 128 30               |
| 12815E                      | 5300N             | 2549-01365                              | 00000/0000       | 2-20030/0023        | 07/24/76     | 90           | 7646                  | 50.2                | 135.4                | GFGG                  | 128 23               |
| 12815E                      | 5011N             | 2548-01340                              | 00000/0000       | 2-20028/1724        | 07/23/76     | 90           | 7632                  | 51.8                | 131.1                | GGGG                  | 127 25               |
| 12815E                      | 5011N             | 2602-01323                              | 00000/0000       | 2-20032/1265        | 09/15/76     | 0            | 8385                  | 37.5                | 144.7                | GGGG                  | 127 25               |
| 12814E                      | 5259N             | 2531-01392                              | 00000/0000       | 2-20028/0723        | 07/06/76     | 20           | 7395                  | 53.0                | 134.0                | GGGG                  | 128 23               |
| 12813E                      | 4300N             | 2510-01254                              | 00000/0000       | 2-20026/1580        | 06/15/76     | 40           | 7102                  | 58.1                | 118.4                | GGGG                  | 125 30               |
| 12812E                      | 4306N             | 2528-01251                              | 00000/0000       | 2-20028/0540        | 07/03/76     | 60           | 7353                  | 57.2                | 117.6                | GGGG                  | 125 30               |
| 12810E                      | 5255N             | 2513-01395                              | 00000/0000       | 2-20026/1796        | 06/18/76     | 60           | 7144                  | 54.1                | 134.8                | GGGG                  | 128 23               |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RE MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|---------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12807E 3847N                            | 2365-01250        | 00000/0000 2-20019/0166                           | 01/22/76         | 10                  | 5080            | 23.5         | 145.7        | GGGG                               |                     |                      | 124                   | 33                   |
| 12800E 4605N                            | 2457-01315        | 00000/0000 2-20024/0409                           | 04/23/76         | 90                  | 6363            | 48.7         | 135.1        | GGGG                               |                     |                      | 126                   | 28                   |
| 12800E 4602N                            | 2475-01312        | 00000/0000 2-20025/0243                           | 05/11/76         | 100                 | 6614            | 53.4         | 131.1        | GGGG                               |                     |                      | 126                   | 28                   |
| 12758E 4605N                            | 2439-01322        | 00000/0000 2-20022/1361                           | 04/05/76         | 10                  | 6112            | 42.5         | 138.3        | GGGG                               |                     |                      | 126                   | 28                   |
| 12756E 4604N                            | 2583-01283        | 00000/0000 2-20032/0142                           | 08/27/76         | 30                  | 8120            | 45.7         | 134.7        | GGGG                               |                     |                      | 126                   | 28                   |
| 12755E 4601N                            | 2565-01290        | 00000/0000 2-20032/0249                           | 08/09/76         | 90                  | 7869            | 50.2         | 129.1        | GGGG                               |                     |                      | 126                   | 28                   |
| 12754E 4557N                            | 2529-01300        | 00000/0000 2-20028/0618                           | 07/04/76         | 10                  | 7367            | 56.2         | 122.6        | GGGG                               |                     |                      | 126                   | 28                   |
| 12753E 5724N                            | 2461-01512        | 00000/0000 2-20024/0599                           | 04/27/76         | 70                  | 6419            | 42.9         | 148.1        | FGFG                               |                     |                      | 130                   | 20                   |
| 12753E 4556N                            | 2493-01310        | 00000/0000 2-20026/0374                           | 05/29/76         | 10                  | 6865            | 56.4         | 126.6        | GGGG                               |                     |                      | 126                   | 28                   |
| 12751E 4556N                            | 2547-01293        | 00000/0000 2-20028/1709                           | 07/22/76         | 90                  | 7618            | 53.8         | 124.6        | GGGG                               |                     |                      | 126                   | 28                   |
| 12750E 4559N                            | 2601-01280        | 00000/0000 2-20034/0272                           | 09/14/76         | 100                 | 8371            | 40.5         | 140.5        | GGGG                               |                     |                      | 126                   | 28                   |
| 12750E 4554N                            | 2511-01303        | 00000/0000 2-20026/1262                           | 06/16/76         | 60                  | 7116            | 57.2         | 123.3        | GGGG                               |                     |                      | 126                   | 28                   |
| 12748E 451N                             | 2456-01272        | 00000/0000 2-20024/0334                           | 04/22/76         | 90                  | 6349            | 50.5         | 130.0        | FGGG                               |                     |                      | 125                   | 31                   |
| 12747E 4143N                            | 2438-01280        | 00000/0000 2-20022/1226                           | 04/04/76         | 10                  | 6098            | 44.6         | 134.1        | GGGG                               |                     |                      | 125                   | 31                   |
| 12745E 4856N                            | 2458-01364        | 00000/0000 2-20024/0377                           | 04/24/76         | 90                  | 6377            | 47.4         | 138.4        | GGGG                               |                     |                      | 127                   | 26                   |
| 12745E 4144N                            | 2474-01270        | 00000/0000 2-20024/1785                           | 05/10/76         | 70                  | 6600            | 55.1         | 124.9        | FGGG                               |                     |                      | 125                   | 31                   |
| 12744E 4856N                            | 2440-01372        | 00000/0000 2-20022/1564                           | 04/05/76         | 40                  | 6126            | 41.2         | 141.0        | GGGG                               |                     |                      | 127                   | 26                   |
| 12744E 4850N                            | 2476-01362        | 00000/0000 2-20024/1630                           | 05/12/76         | 90                  | 6628            | 52.2         | 134.9        | GGGG                               |                     |                      | 127                   | 26                   |
| 12743E 5435N                            | 2460-01463        | 00000/0000 2-20024/0619                           | 04/26/76         | 10                  | 6405            | 44.5         | 144.8        | GGGG                               |                     |                      | 129                   | 22                   |
| 12742E 4855N                            | 2584-01332        | 00000/0000 2-20032/0266                           | 08/28/76         | 10                  | 8134            | 43.8         | 138.2        | GGGG                               |                     |                      | 127                   | 26                   |
| 12742E 4853N                            | 2566-01335        | 00000/0000 2-20032/0009                           | 08/10/76         | 30                  | 7883            | 48.6         | 133.1        | GGGG                               |                     |                      | 127                   | 26                   |
| 12742E 4134N                            | 2510-01260        | 00000/0000 2-20026/1531                           | 06/15/76         | 20                  | 7102            | 58.5         | 115.8        | GGGG                               |                     |                      | 125                   | 31                   |
| 12741E 5708N                            | 2533-01493        | 00000/0000 2-20028/0849                           | 07/08/76         | 40                  | 7423            | 50.5         | 140.4        | GGGG                               |                     |                      | 130                   | 20                   |
| 12741E 4846N                            | 2434-01355        | 00000/0000 2-20024/0267                           | 05/30/76         | 50                  | 6879            | 55.2         | 131.0        | GGGG                               |                     |                      | 127                   | 26                   |
| 12741E 4140N                            | 2523-01253        | 00000/0000 2-20028/0541                           | 07/03/76         | 90                  | 7353            | 57.5         | 115.2        | GGGG                               |                     |                      | 125                   | 31                   |
| 12740E 5704N                            | 2515-01500        | 00000/0000 2-20027/0053                           | 06/20/76         | 80                  | 7172            | 51.8         | 141.1        | GGGG                               |                     |                      | 130                   | 20                   |
| 12739E 4845N                            | 2530-01345        | 00000/0000 2-20028/0636                           | 07/05/76         | 30                  | 7321            | 55.1         | 127.2        | GGGG                               |                     |                      | 127                   | 26                   |
| 12738E 3722N                            | 2365-01253        | 00000/0000 2-20019/0167                           | 01/22/76         | 10                  | 5080            | 24.5         | 145.0        | GGGG                               |                     |                      | 124                   | 34                   |
| 12737E 5419N                            | 2532-01444        | 00000/0000 2-20028/0750                           | 07/07/76         | 70                  | 7409            | 52.2         | 136.1        | GGFF                               |                     |                      | 129                   | 22                   |
| 12737E 4847N                            | 2602-01325        | 00000/0000 2-20032/1266                           | 09/15/76         | 0                   | 8385            | 38.4         | 143.4        | GGGG                               |                     |                      | 127                   | 26                   |
| 12733E 5136N                            | 2549-01392        | 00000/0000 2-20030/0024                           | 07/24/76         | 90                  | 7646            | 50.9         | 133.4        | GGFG                               |                     |                      | 128                   | 24                   |
| 12733E 5135N                            | 2531-01395        | 00000/0000 2-20028/0724                           | 07/06/76         | 10                  | 7395            | 53.7         | 131.8        | GGGG                               |                     |                      | 128                   | 24                   |
| 12732E 5422N                            | 2550-01441        | 00000/0000 2-20029/0155                           | 07/25/76         | 100                 | 7660            | 49.3         | 137.5        | GGGG                               |                     |                      | 129                   | 22                   |
| 12729E 5418N                            | 2514-01451        | 00000/0000 2-20027/0018                           | 06/19/76         | 70                  | 7158            | 53.4         | 136.9        | GGGF                               |                     |                      | 129                   | 22                   |
| 12728E 5131N                            | 2513-01402        | 00000/0000 2-20026/1797                           | 06/18/76         | 70                  | 7144            | 54.8         | 132.5        | GGGG                               |                     |                      | 128                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK, NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG | PRINCIPAL POINT<br>LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12727E                              | 4437N                  | 2475-01315        | 00000/0000                   | 2-20025/0244                | 05/11/76         | 100                 | 6644            | 54.1         | 129.0        | GGGG                               |                     |                      | 126                   | 29                   |
| 12726E                              | 4440N                  | 2457-01322        | 00000/0000                   | 2-20024/0410                | 04/23/76         | 50                  | 6363            | 49.4         | 133.3        | GGGG                               |                     |                      | 126                   | 29                   |
| 12724E                              | 4440N                  | 2439-01325        | 00000/0000                   | 2-20022/1362                | 04/05/76         | 20                  | 6112            | 43.4         | 136.9        | GGGG                               |                     |                      | 126                   | 29                   |
| 12722E                              | 4438N                  | 2583-01285        | 00000/0000                   | 2-20032/0143                | 08/27/76         | 40                  | 8120            | 46.5         | 133.1        | GGGG                               |                     |                      | 126                   | 29                   |
| 12721E                              | 4436N                  | 2565-01292        | 00000/0000                   | 2-20032/0250                | 08/09/76         | 90                  | 7869            | 50.8         | 127.1        | GGGG                               |                     |                      | 126                   | 29                   |
| 12720E                              | 4432N                  | 2529-01303        | 00000/0000                   | 2-20028/0619                | 07/04/76         | 10                  | 7367            | 56.7         | 120.2        | GGGG                               |                     |                      | 126                   | 29                   |
| 12718E                              | 4431N                  | 2547-01300        | 00000/0000                   | 2-20028/1710                | 07/22/76         | 90                  | 7618            | 54.3         | 122.4        | GGGG                               |                     |                      | 126                   | 29                   |
| 12718E                              | 4429N                  | 2511-01310        | 00000/0000                   | 2-20026/1263                | 06/16/76         | 70                  | 7116            | 57.7         | 120.8        | GGGG                               |                     |                      | 126                   | 29                   |
| 12716E                              | 4433N                  | 2601-01282        | 00000/0000                   | 2-20034/0273                | 09/14/76         | 100                 | 8371            | 41.4         | 139.2        | GGGG                               |                     |                      | 126                   | 29                   |
| 12716E                              | 2607N                  | 2453-01145        | 00000/0000                   | 2-20024/0137                | 04/19/76         | 30                  | 6307            | 54.9         | 108.8        | GGFG                               |                     |                      | 122                   | 42                   |
| 12715E                              | 2557N                  | 2429-01140        | 00000/0000                   | 2-20024/0028                | 05/25/76         | 40                  | 6809            | 59.0         | 92.2         | GGGG                               |                     |                      | 122                   | 42                   |
| 12713E                              | 2559N                  | 2561-01120        | 00000/0000                   | 2-20030/0806                | 08/05/76         | 30                  | 7813            | 55.3         | 97.6         | GGGG                               |                     |                      | 122                   | 42                   |
| 12708E                              | 4731N                  | 2458-01371        | 00000/0000                   | 2-20024/0378                | 04/24/76         | 80                  | 6377            | 48.2         | 136.7        | GGGG                               |                     |                      | 127                   | 27                   |
| 12707E                              | 4731N                  | 2440-01374        | 00000/0000                   | 2-20022/1565                | 04/06/76         | 50                  | 6126            | 42.0         | 139.6        | GGGG                               |                     |                      | 127                   | 27                   |
| 12707E                              | 4726N                  | 2476-01364        | 00000/0000                   | 2-20024/1631                | 05/12/76         | 100                 | 6628            | 53.0         | 132.8        | GGGG                               |                     |                      | 127                   | 27                   |
| 12705E                              | 4730N                  | 2584-01334        | 00000/0000                   | 2-20032/0267                | 08/28/76         | 10                  | 8134            | 44.6         | 136.7        | FGGG                               |                     |                      | 127                   | 27                   |
| 12705E                              | 4727N                  | 2566-01342        | 00000/0000                   | 2-20032/0010                | 08/10/76         | 10                  | 7883            | 49.3         | 131.2        | GGGG                               |                     |                      | 127                   | 27                   |
| 12705E                              | 4720N                  | 2434-01362        | 00000/0000                   | 2-20026/0268                | 05/30/76         | 90                  | 6879            | 55.9         | 128.7        | GGGG                               |                     |                      | 127                   | 27                   |
| 12703E                              | 5600N                  | 2461-01515        | 00000/0000                   | 2-20024/0600                | 04/27/76         | 20                  | 6419            | 43.9         | 146.4        | FGGG                               |                     |                      | 130                   | 21                   |
| 12703E                              | 4720N                  | 2530-01352        | 00000/0000                   | 2-20028/0637                | 07/05/76         | 10                  | 7381            | 55.6         | 124.9        | GGGG                               |                     |                      | 127                   | 27                   |
| 12700E                              | 4722N                  | 2602-01332        | 00000/0000                   | 2-20032/1267                | 09/15/76         | 10                  | 8385            | 39.3         | 142.1        | GGGG                               |                     |                      | 127                   | 27                   |
| 12700E                              | 4716N                  | 2512-01355        | 00000/0000                   | 2-20026/1717                | 06/17/76         | 40                  | 7130            | 56.7         | 125.6        | GGFG                               |                     |                      | 127                   | 27                   |
| 12657E                              | 5311N                  | 2460-01465        | 00000/0000                   | 2-20024/0620                | 04/26/76         | 10                  | 6405            | 45.4         | 143.1        | GGGG                               |                     |                      | 129                   | 23                   |
| 12657E                              | 5014N                  | 2477-01413        | 00000/0000                   | 2-20025/0326                | 05/13/76         | 30                  | 6642            | 51.7         | 136.6        | G                                  |                     |                      | 128                   | 25                   |
| 12654E                              | 4312N                  | 2475-01321        | 00000/0000                   | 2-20025/0245                | 05/11/76         | 90                  | 6614            | 54.7         | 126.8        | FGGG                               |                     |                      | 126                   | 30                   |
| 12653E                              | 4314N                  | 2457-01324        | 00000/0000                   | 2-20024/0411                | 04/23/76         | 10                  | 6363            | 50.2         | 131.5        | GGGG                               |                     |                      | 126                   | 30                   |
| 12652E                              | 5255N                  | 2532-01450        | 00000/0000                   | 2-20028/0751                | 07/07/76         | 90                  | 7409            | 52.9         | 134.0        | GGGF                               |                     |                      | 129                   | 23                   |
| 12652E                              | 5019N                  | 2585-01384        | 00000/0000                   | 2-20032/0293                | 08/29/76         | 10                  | 8148            | 42.7         | 140.0        | GGGG                               |                     |                      | 128                   | 25                   |
| 12652E                              | 5016N                  | 2603-01351        | 00000/0000                   | 2-20032/1351                | 09/16/76         | 0                   | 8399            | 37.1         | 145.0        | FGGG                               |                     |                      | 128                   | 25                   |
| 12652E                              | 5015N                  | 2567-01391        | 00000/0000                   | 2-20030/1063                | 08/11/76         | 80                  | 7897            | 47.7         | 135.1        | GGGG                               |                     |                      | 128                   | 25                   |
| 12652E                              | 5012N                  | 2549-01374        | 00000/0000                   | 2-20030/0025                | 07/24/76         | 80                  | 7646            | 51.6         | 131.3        | GGFG                               |                     |                      | 128                   | 25                   |
| 12652E                              | 5011N                  | 2531-01401        | 00000/0000                   | 2-20028/0725                | 07/06/76         | 10                  | 7395            | 54.3         | 129.6        | GGGG                               |                     |                      | 128                   | 25                   |
| 12652E                              | 5009N                  | 2495-01411        | 00000/0000                   | 2-20026/0478                | 05/31/76         | 70                  | 6893            | 54.6         | 133.0        | GGFG                               |                     |                      | 128                   | 25                   |
| 12651E                              | 5547N                  | 2551-01493        | 00000/0000                   | 2-20030/0033                | 07/26/76         | 100                 | 7674            | 48.3         | 139.6        | GGGG                               |                     |                      | 130                   | 21                   |
| 12651E                              | 5545N                  | 2533-01500        | 00000/0000                   | 2-20028/0850                | 07/08/76         | 30                  | 7423            | 51.3         | 138.3        | GGGG                               |                     |                      | 130                   | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING

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FOR NON-US

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   |                              |                             |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 12651E                      | 4315N | 2439-01331        | 00000/0000                   | 2-20022/1325                | 04/05/76         | 90                  | 6112            | 44.2         | 135.4        | FGGG                  |                     |                      | 126                   | 30                   |
| 12650E                      | 5541N | 2515-01503        | 00000/0000                   | 2-20027/0054                | 06/20/76         | 90                  | 7172            | 52.6         | 138.9        | GGGG                  |                     |                      | 130                   | 21                   |
| 12650E                      | 4313N | 2583-01292        | 00000/0000                   | 2-20032/0144                | 08/27/76         | 40                  | 8120            | 47.2         | 131.4        | GGGG                  |                     |                      | 126                   | 30                   |
| 12648E                      | 5258N | 2550-01443        | 00000/0000                   | 2-20029/0157                | 07/25/76         | 90                  | 7660            | 50.0         | 135.5        | GGGG                  |                     |                      | 129                   | 23                   |
| 12648E                      | 5006N | 2513-01404        | 00000/0000                   | 2-20026/1798                | 06/18/76         | 90                  | 7144            | 55.5         | 130.2        | GGGG                  |                     |                      | 128                   | 25                   |
| 12648E                      | 4311N | 2565-01295        | 00000/0000                   | 2-20032/0251                | 08/09/76         | 90                  | 7869            | 51.4         | 125.2        | GGGG                  |                     |                      | 126                   | 30                   |
| 12647E                      | 4306N | 2493-01315        | 00000/0000                   | 2-20026/0375                | 05/29/76         | 20                  | 6865            | 57.4         | 121.9        | GGGG                  |                     |                      | 124                   | 30                   |
| 12646E                      | 4306N | 2547-01302        | 00000/0000                   | 2-20028/1711                | 07/22/76         | 100                 | 7618            | 54.8         | 120.1        | FGGG                  |                     |                      | 126                   | 30                   |
| 12646E                      | 4303N | 2511-01312        | 00000/0000                   | 2-20026/1264                | 06/16/76         | 90                  | 7116            | 58.1         | 118.3        | GGGF                  |                     |                      | 126                   | 30                   |
| 12645E                      | 5254N | 2514-01453        | 00000/0000                   | 2-20027/0019                | 06/19/76         | 40                  | 7158            | 54.1         | 134.6        | GGGG                  |                     |                      | 129                   | 23                   |
| 12644E                      | 4308N | 2601-01285        | 00000/0000                   | 2-20034/0274                | 09/14/76         | 90                  | 8371            | 42.3         | 137.8        | GGGG                  |                     |                      | 126                   | 30                   |
| 12632E                      | 4606N | 2458-01373        | 00000/0000                   | 2-20024/0379                | 04/24/76         | 10                  | 6377            | 49.0         | 134.9        | GGGG                  |                     |                      | 127                   | 28                   |
| 12632E                      | 4601N | 2476-01371        | 00000/0000                   | 2-20024/1632                | 05/12/76         | 100                 | 6628            | 53.7         | 130.8        | GGGG                  |                     |                      | 127                   | 28                   |
| 12631E                      | 4606N | 2440-01351        | 00000/0000                   | 2-20022/1566                | 04/06/76         | 10                  | 6126            | 42.9         | 138.2        | GGGG                  |                     |                      | 127                   | 28                   |
| 12630E                      | 4605N | 2584-01341        | 00000/0000                   | 2-20032/0268                | 08/28/76         | 0                   | 8134            | 45.4         | 135.1        | GGGG                  |                     |                      | 127                   | 28                   |
| 12630E                      | 4602N | 2566-01344        | 00000/0000                   | 2-20032/0011                | 08/10/76         | 10                  | 7883            | 50.0         | 129.4        | GGGF                  |                     |                      | 127                   | 28                   |
| 12629E                      | 4555N | 2494-01364        | 00000/0000                   | 2-20025/0269                | 05/30/76         | 100                 | 6879            | 56.5         | 126.4        | GGGG                  |                     |                      | 127                   | 28                   |
| 12628E                      | 4555N | 2530-01354        | 00000/0000                   | 2-20028/0638                | 07/05/76         | 0                   | 7381            | 56.1         | 122.6        | GGGG                  |                     |                      | 127                   | 28                   |
| 12625E                      | 4557N | 2602-01334        | 00000/0000                   | 2-20032/1268                | 09/15/76         | 50                  | 8385            | 40.2         | 140.8        | GGFG                  |                     |                      | 127                   | 28                   |
| 12625E                      | 4552N | 2512-01361        | 00000/0000                   | 2-20026/1718                | 06/17/76         | 50                  | 7130            | 57.2         | 123.1        | GGGG                  |                     |                      | 127                   | 28                   |
| 12622E                      | 4149N | 2457-01371        | 00000/0000                   | 2-20024/0412                | 04/23/76         | 10                  | 6363            | 50.8         | 129.7        | GGGG                  |                     |                      | 126                   | 31                   |
| 12619E                      | 4857N | 2441-01430        | 00000/0000                   | 2-20022/1434                | 04/07/76         | 10                  | 6140            | 41.5         | 140.9        | GGGG                  |                     |                      | 128                   | 26                   |
| 12619E                      | 4149N | 2439-01334        | 00000/0000                   | 2-20022/1326                | 04/05/76         | 100                 | 6112            | 45.0         | 133.9        | GGGG                  |                     |                      | 126                   | 31                   |
| 12618E                      | 4849N | 2477-01420        | 00000/0000                   | 2-20025/0327                | 05/13/76         | 10                  | 6642            | 52.5         | 134.6        | GGGG                  |                     |                      | 128                   | 26                   |
| 12618E                      | 4147N | 2543-01294        | 00000/0000                   | 2-20032/0145                | 08/27/76         | 90                  | 8120            | 47.9         | 129.8        | GGGG                  |                     |                      | 126                   | 31                   |
| 12617E                      | 4146N | 2565-01301        | 00000/0000                   | 2-20032/0252                | 08/09/76         | 90                  | 7869            | 52.0         | 123.2        | GGGG                  |                     |                      | 126                   | 31                   |
| 12616E                      | 5437N | 2461-01521        | 00000/0000                   | 2-20024/0601                | 04/27/76         | 40                  | 6419            | 44.8         | 144.7        | GGGG                  |                     |                      | 130                   | 22                   |
| 12616E                      | 4142N | 2529-01312        | 00000/0000                   | 2-20028/0656                | 07/04/76         | 10                  | 7367            | 57.4         | 115.3        | GGGG                  |                     |                      | 126                   | 31                   |
| 12616E                      | 4141N | 2493-01321        | 00000/0000                   | 2-20026/0376                | 05/29/76         | 30                  | 6865            | 57.9         | 119.4        | GGGG                  |                     |                      | 126                   | 31                   |
| 12616E                      | 4137N | 2511-01315        | 00000/0000                   | 2-20026/1265                | 06/16/76         | 70                  | 7116            | 58.5         | 115.8        | GGGG                  |                     |                      | 126                   | 31                   |
| 12615E                      | 4140N | 2547-01305        | 00000/0000                   | 2-20028/1712                | 07/22/76         | 100                 | 7618            | 55.2         | 117.9        | GGGG                  |                     |                      | 126                   | 31                   |
| 12614E                      | 5146N | 2460-01472        | 00000/0000                   | 2-20024/0621                | 04/26/76         | 20                  | 6405            | 46.3         | 141.5        | GGGG                  |                     |                      | 129                   | 24                   |
| 12614E                      | 4854N | 2585-01390        | 00000/0000                   | 2-20032/0294                | 08/29/76         | 20                  | 8148            | 43.6         | 138.5        | GGGG                  |                     |                      | 128                   | 26                   |
| 12614E                      | 4851N | 2567-01393        | 00000/0000                   | 2-20030/1064                | 06/11/76         | 70                  | 7897            | 48.4         | 133.3        | GGGG                  |                     |                      | 128                   | 26                   |
| 12614E                      | 4851N | 2603-01343        | 00000/0000                   | 2-20032/1352                | 09/16/76         | 10                  | 8399            | 38.0         | 143.8        | GGGG                  |                     |                      | 128                   | 26                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL.<br>MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|---------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12614E                      | 4847N             | 2549-01401            | 00000/0000           | 2-20030/0026     | 07/24/76            | 80              | 7646         | 52.3         | 129.3                           | GGFG                |                      | 128                   | 26                   |
| 12614E                      | 4846N             | 2531-01404            | 00000/0000           | 2-20028/0726     | 07/06/76            | 10              | 7395         | 54.9         | 127.3                           | GGGG                |                      | 128                   | 26                   |
| 12614E                      | 1011N             | 2451-01080            | 00000/0000           | 2-20023/0298     | 04/17/76            | 40              | 6279         | 54.0         | 86.2                            | GGGG                |                      | 120                   | 53                   |
| 12613E                      | 4844N             | 2495-01413            | 00000/0000           | 2-20026/0479     | 05/31/76            | 60              | 6893         | 55.3         | 130.8                           | FGFG                |                      | 128                   | 26                   |
| 12613E                      | 4143N             | 2601-01291            | 00000/0000           | 2-20036/0275     | 09/14/76            | 90              | 8371         | 43.1         | 136.4                           | GGGG                |                      | 126                   | 31                   |
| 12613E                      | 1013N             | 2433-01084            | 00000/0000           | 2-20022/0979     | 03/30/76            | 30              | 6028         | 52.0         | 97.1                            | GGG                 |                      | 120                   | 53                   |
| 12612E                      | 1011N             | 2469-01073            | 00000/0000           | 2-20024/1504     | 05/05/76            | 30              | 6530         | 54.5         | 76.3                            | GGGG                |                      | 120                   | 53                   |
| 12611E                      | 1600N             | 2470-01113            | 00000/0000           | 2-20024/1450     | 05/06/76            | 40              | 6544         | 56.4         | 84.1                            | GGGG                |                      | 121                   | 49                   |
| 12611E                      | 1005N             | 2487-01071            | 00000/0000           | 2-20025/1188     | 05/23/76            | 20              | 6781         | 53.7         | 68.9                            | FGGG                |                      | 120                   | 53                   |
| 12610E                      | 4841N             | 2513-01411            | 00000/0000           | 2-20026/1799     | 06/18/76            | 90              | 7144         | 56.1         | 127.9                           | FGGG                |                      | 128                   | 26                   |
| 12610E                      | 1011N             | 2577-01044            | 00000/0000           | 2-20032/0065     | 08/21/76            | 90              | 8036         | 52.3         | 83.3                            | GGGG                |                      | 120                   | 53                   |
| 12610E                      | 1007N             | 2505-01064            | 00000/0000           | 2-20026/1226     | 06/10/76            | 30              | 7032         | 52.4         | 65.2                            | GGGG                |                      | 120                   | 53                   |
| 12610E                      | 1007N             | 2559-01051            | 00000/0000           | 2-20030/0531     | 08/03/76            | 100             | 7785         | 51.5         | 74.5                            | GGGG                |                      | 120                   | 53                   |
| 12609E                      | 5131N             | 2532-01453            | 00000/0000           | 2-20028/0752     | 07/07/76            | 90              | 7409         | 53.6         | 131.3                           | GGGG                |                      | 129                   | 24                   |
| 12609E                      | 1600N             | 2452-01120            | 00000/0000           | 2-20023/0356     | 04/18/76            | 10              | 6293         | 55.0         | 94.0                            | GGG                 |                      | 121                   | 49                   |
| 12609E                      | 1006N             | 2523-01061            | 00000/0000           | 2-20028/1164     | 06/28/76            | 10              | 7283         | 51.4         | 65.1                            | GGGG                |                      | 120                   | 53                   |
| 12609E                      | 1006N             | 2541-01054            | 00000/0000           | 2-20028/1482     | 07/16/76            | 80              | 7534         | 51.1         | 68.4                            | GGGG                |                      | 120                   | 53                   |
| 12607E                      | 1556N             | 2578-01084            | 00000/0000           | 2-20030/1679     | 08/22/76            | 90              | 8050         | 53.5         | 91.7                            | GGGG                |                      | 121                   | 49                   |
| 12607E                      | 1555N             | 2560-01091            | 00000/0000           | 2-20030/0766     | 08/04/76            | 50              | 7799         | 53.6         | 82.4                            | GGGG                |                      | 121                   | 49                   |
| 12607E                      | 1553N             | 2438-01111            | 00000/0000           | 2-20025/1200     | 05/24/76            | 60              | 6795         | 56.3         | 76.3                            | GGGG                |                      | 121                   | 49                   |
| 12607E                      | 1008N             | 2595-01041            | 00000/0000           | 2-20032/0980     | 09/08/76            | 70              | 8287         | 52.9         | 93.9                            | F GG                |                      | 120                   | 53                   |
| 12606E                      | 1557N             | 2434-01124            | 00000/0000           | 2-20022/1018     | 03/31/76            | 10              | 6042         | 52.0         | 104.2                           | GGGG                |                      | 121                   | 49                   |
| 12606E                      | 1551N             | 2506-01104            | 00000/0000           | 2-20026/1241     | 06/11/76            | 10              | 7046         | 55.3         | 72.2                            | GGGG                |                      | 121                   | 49                   |
| 12606E                      | 1551N             | 2542-01094            | 00000/0000           | 2-20028/1632     | 07/17/76            | 10              | 7548         | 53.7         | 75.6                            | GGGG                |                      | 121                   | 49                   |
| 12606E                      | 1009N             | 2397-01094            | 00000/0000           | 2-20021/0470     | 02/23/76            | 70              | 5526         | 45.5         | 116.0                           | GGGG                |                      | 120                   | 53                   |
| 12605E                      | 5134N             | 2550-01450            | 00000/0000           | 2-20029/0155     | 07/25/76            | 90              | 7660         | 50.8         | 133.5                           | GGGG                |                      | 129                   | 24                   |
| 12605E                      | 1550N             | 2524-01102            | 00000/0000           | 2-20028/0299     | 06/29/76            | 10              | 7297         | 54.3         | 72.0                            | GGGG                |                      | 121                   | 49                   |
| 12604E                      | 5423N             | 2551-01495            | 00000/0000           | 2-20030/0034     | 07/26/76            | 90              | 7674         | 49.1         | 137.6                           | FGFG                |                      | 130                   | 22                   |
| 12604E                      | 1553N             | 2416-01131            | 00000/0000           | 2-20022/0036     | 03/13/76            | 30              | 5791         | 48.0         | 113.3                           | GGGG                |                      | 121                   | 49                   |
| 12603E                      | 5422N             | 2533-01502            | 00000/0000           | 2-20028/0851     | 07/08/76            | 20              | 7423         | 52.0         | 136.2                           | GGGG                |                      | 129                   | 24                   |
| 12603E                      | 5130N             | 2514-01490            | 00000/0000           | 2-20027/0020     | 06/19/76            | 10              | 7158         | 54.8         | 132.4                           | GGFG                |                      | 120                   | 53                   |
| 12602E                      | 1002N             | 2379-01121            | 00000/0000           | 2-20020/0967     | 02/05/76            | 60              | 5275         | 42.6         | 123.3                           | GFFF                |                      | 121                   | 49                   |
| 12601E                      | 1552N             | 2398-01135            | 00000/0000           | 2-20021/0528     | 02/24/76            | 70              | 5540         | 43.8         | 121.2                           | GGGG                |                      | 127                   | 29                   |
| 12558E                      | 4441N             | 2458-01340            | 00000/0000           | 2-20024/0380     | 04/24/76            | 10              | 6377         | 49.7         | 133.1                           | GGGG                |                      | 127                   | 29                   |
| 12558E                      | 4440N             | 2440-01343            | 00000/0000           | 2-20022/1567     | 04/06/76            | 10              | 6126         | 43.7         | 136.7                           | GGGG                |                      | 127                   | 29                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=18% GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12558E                      | 4435N             | 2476-01373                   | 00000/0000                  | 2-20024/1633     | 05/12/76            | 100             | 6628         | 54.3         | 128.7                              | GGGG                |                      | 127                   | 29                   |
| 12558E                      | 1543N             | 2380-01141                   | 00000/0000                  | 2-20021/0081     | 02/06/76            | 60              | 5289         | 40.2         | 127.7                              | FFGG                |                      | 121                   | 49                   |
| 12556E                      | 4439N             | 2544-01343                   | 00000/0000                  | 2-20032/0269     | 08/28/76            | 10              | 8134         | 46.2         | 133.5                              | GGGG                |                      | 127                   | 29                   |
| 12556E                      | 4437N             | 2546-01351                   | 00000/0000                  | 2-20032/0012     | 08/10/76            | 10              | 7883         | 50.6         | 127.5                              | FGGG                |                      | 127                   | 29                   |
| 12556E                      | 4430N             | 2494-01371                   | 00000/0000                  | 2-20026/0270     | 05/30/76            | 100             | 6879         | 57.0         | 124.0                              | GGGG                |                      | 127                   | 29                   |
| 12555E                      | 4430N             | 2530-01361                   | 00000/0000                  | 2-20028/0639     | 07/05/76            | 0               | 7381         | 56.6         | 120.2                              | GGGG                |                      | 127                   | 29                   |
| 12553E                      | 4021N             | 2475-01330                   | 00000/0000                  | 2-20025/0246     | 05/11/76            | 90              | 6614         | 55.8         | 122.4                              | GGGG                |                      | 126                   | 32                   |
| 12553E                      | 0847N             | 2433-01090                   | 00000/0000                  | 2-20027/0980     | 03/30/76            | 40              | 6028         | 51.9         | 95.1                               | GG                  |                      | 120                   | 54                   |
| 12553E                      | 0844N             | 2451-01083                   | 00000/0000                  | 2-20023/0299     | 04/17/76            | 40              | 6279         | 53.6         | 84.2                               | GGGG                |                      | 120                   | 54                   |
| 12553E                      | 0844N             | 2469-01090                   | 00000/0000                  | 2-20024/1505     | 05/05/76            | 30              | 6530         | 53.9         | 74.4                               | GGGG                |                      | 120                   | 54                   |
| 12552E                      | 4023N             | 2457-01333                   | 00000/0000                  | 2-20024/0413     | 04/23/76            | 30              | 6363         | 51.5         | 127.8                              | G3GG                |                      | 126                   | 32                   |
| 12551E                      | 4431N             | 2602-01341                   | 00000/0000                  | 2-20032/1269     | 09/15/76            | 50              | 8385         | 41.1         | 139.5                              | GGGG                |                      | 127                   | 29                   |
| 12551E                      | 4427N             | 2512-01344                   | 00000/0000                  | 2-20026/1719     | 06/17/76            | 80              | 7130         | 57.7         | 120.7                              | GGGG                |                      | 127                   | 29                   |
| 12550E                      | 1434N             | 2470-01120                   | 00000/0000                  | 2-20024/1451     | 05/06/76            | 30              | 6544         | 56.0         | 81.9                               | GGGG                |                      | 121                   | 50                   |
| 12550E                      | 0845N             | 2577-01050                   | 00000/0000                  | 2-20032/0066     | 08/21/76            | 90              | 8036         | 51.9         | 81.5                               | GGGG                |                      | 120                   | 54                   |
| 12549E                      | 0840N             | 2505-01071                   | 00000/0000                  | 2-20024/1227     | 06/10/76            | 30              | 7032         | 51.6         | 63.6                               | GGGG                |                      | 120                   | 54                   |
| 12549E                      | 0840N             | 2559-01053                   | 00000/0000                  | 2-20030/0592     | 08/03/76            | 90              | 7785         | 50.8         | 72.9                               | GGGG                |                      | 120                   | 54                   |
| 12549E                      | 0839N             | 2541-01061                   | 00000/0000                  | 2-20028/1483     | 07/16/76            | 70              | 7534         | 50.3         | 66.8                               | GGGG                |                      | 120                   | 54                   |
| 12549E                      | 0838N             | 2487-01072                   | 00000/0000                  | 2-20025/1189     | 05/23/76            | 40              | 6781         | 52.9         | 67.2                               | GGGG                |                      | 120                   | 54                   |
| 12548E                      | 4022N             | 2583-01301                   | 00000/0000                  | 2-20032/0146     | 05/27/76            | 100             | 8120         | 48.6         | 128.0                              | GGGG                |                      | 126                   | 32                   |
| 12548E                      | 1433N             | 2452-01123                   | 00000/0000                  | 2-20023/0357     | 04/19/76            | 10              | 6293         | 54.9         | 91.8                               | FGGG                |                      | 121                   | 50                   |
| 12548E                      | 0839N             | 2523-01064                   | 00000/0000                  | 2-20028/1165     | 06/28/76            | 10              | 7283         | 50.6         | 63.6                               | GGGG                |                      | 120                   | 54                   |
| 12547E                      | 4021N             | 2565-01304                   | 00000/0000                  | 2-20032/0253     | 08/09/76            | 80              | 7869         | 52.5         | 121.1                              | GGGG                |                      | 126                   | 32                   |
| 12547E                      | 4015N             | 2493-01324                   | 00000/0000                  | 2-20026/0377     | 05/29/76            | 10              | 6865         | 58.3         | 116.9                              | FGGG                |                      | 126                   | 32                   |
| 12547E                      | 0841N             | 2595-01043                   | 00000/0000                  | 2-20032/0999     | 09/08/76            | 50              | 8287         | 52.7         | 92.0                               | FFGG                |                      | 120                   | 54                   |
| 12546E                      | 4016N             | 2529-01314                   | 00000/0000                  | 2-20028/0657     | 07/04/76            | 20              | 7367         | 57.7         | 112.8                              | GGGG                |                      | 126                   | 32                   |
| 12546E                      | 4012N             | 2511-01321                   | 00000/0000                  | 2-20026/1266     | 06/16/76            | 50              | 7116         | 58.8         | 113.2                              | GGGG                |                      | 126                   | 32                   |
| 12546E                      | 1430N             | 2578-01090                   | 00000/0000                  | 2-20030/1680     | 08/22/76            | 100             | 8050         | 53.3         | 89.6                               | GGGG                |                      | 121                   | 50                   |
| 12546E                      | 1428N             | 2560-01094                   | 00000/0000                  | 2-20030/0767     | 08/04/76            | 40              | 7799         | 53.1         | 80.4                               | GGGG                |                      | 121                   | 50                   |
| 12546E                      | 0842N             | 2397-01101                   | 00000/0000                  | 2-20021/0471     | 02/23/76            | 60              | 5526         | 45.9         | 114.5                              | GGGG                |                      | 120                   | 54                   |
| 12545E                      | 4015N             | 2547-01311                   | 00000/0000                  | 2-20028/1713     | 07/22/76            | 100             | 7618         | 55.6         | 115.6                              | GGGG                |                      | 126                   | 32                   |
| 12545E                      | 1426N             | 2488-01113                   | 00000/0000                  | 2-20025/1201     | 05/24/76            | 60              | 6795         | 55.7         | 74.3                               | GGGG                |                      | 121                   | 50                   |
| 12545E                      | 1425N             | 2506-01111                   | 00000/0000                  | 2-20026/1242     | 06/11/76            | 10              | 7046         | 54.7         | 70.3                               | GGGG                |                      | 121                   | 50                   |
| 12545E                      | 1425N             | 2542-01101                   | 00000/0000                  | 2-20028/1633     | 07/17/76            | 30              | 7548         | 53.1         | 73.8                               | FGGG                |                      | 121                   | 50                   |
| 12544E                      | 3554N             | 2366-01313                   | 00000/0000                  | 2-20020/0128     | 01/23/76            | 80              | 5094         | 25.7         | 144.0                              | GGGG                |                      | 125                   | 35                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FBR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUALITY<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|---------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12544E                      | 1424N | 2524-01104 | 00000/0000        | 2-20028/0300                 | 06/29/76                    | 10               | 7297                | 53.6            | 70.2         | GGGG         |                                       |                     |                      | 121                   | 50                   |
| 12544E                      | 0839N | 2513-01040 | 00000/0000        | 2-20032/1869                 | 09/26/76                    | 10               | 8538                | 52.8            | 103.7        | GGGG         |                                       |                     |                      | 120                   | 54                   |
| 12543E                      | 4017N | 2601-01294 | 00000/0000        | 2-20034/0276                 | 09/14/76                    | 70               | 8371                | 43.9            | 135.0        | GGGG         |                                       |                     |                      | 126                   | 32                   |
| 12543E                      | 1427N | 2416-01134 | 00000/0000        | 2-20022/0037                 | 03/13/76                    | 30               | 5791                | 5.3             | 111.7        | GGGG         |                                       |                     |                      | 121                   | 50                   |
| 12542E                      | 4732N | 2441-01432 | 00000/0000        | 2-20022/1435                 | 04/07/76                    | 10               | 6140                | 42.4            | 139.5        | GGGG         |                                       |                     |                      | 128                   | 27                   |
| 12541E                      | 4724N | 2477-01422 | 00000/0000        | 2-20025/0328                 | 05/13/76                    | 0                | 6642                | 53.2            | 132.6        | GGGG         |                                       |                     |                      | 128                   | 27                   |
| 12541E                      | 0835N | 2379-01114 | 00000/0000        | 2-20023/0968                 | 02/05/76                    | 40               | 5275                | 43.2            | 122.0        | GGGG         |                                       |                     |                      | 120                   | 54                   |
| 12540E                      | 1426N | 2398-01141 | 00000/0000        | 2-20021/0529                 | 02/24/76                    | 70               | 5540                | 44.3            | 119.8        | GGGG         |                                       |                     |                      | 121                   | 50                   |
| 12538E                      | 4729N | 2545-01392 | 00000/0000        | 2-20032/0295                 | 08/29/76                    | 90               | 8148                | 44.4            | 136.9        | GGGG         |                                       |                     |                      | 128                   | 27                   |
| 12537E                      | 4726N | 2567-01400 | 00000/0000        | 2-20030/1065                 | 08/11/76                    | 60               | 7897                | 49.1            | 131.5        | GGGG         |                                       |                     |                      | 128                   | 27                   |
| 12537E                      | 4726N | 2603-01390 | 00000/0000        | 2-20032/1353                 | 09/16/76                    | 0                | 8399                | 39.0            | 142.5        | GGGG         |                                       |                     |                      | 128                   | 27                   |
| 12537E                      | 4721N | 2531-01410 | 00000/0000        | 2-20028/0727                 | 07/06/76                    | 0                | 7395                | 55.5            | 125.0        | GGGG         |                                       |                     |                      | 128                   | 27                   |
| 12537E                      | 4719N | 2435-01420 | 00000/0000        | 2-20026/0480                 | 05/31/76                    | 20               | 6893                | 56.0            | 128.5        | GGGG         |                                       |                     |                      | 128                   | 27                   |
| 12537E                      | 1417N | 2380-01144 | 00000/0000        | 2-20021/1082                 | 02/06/76                    | 60               | 5289                | 40.9            | 126.5        | GGGG         |                                       |                     |                      | 121                   | 50                   |
| 12536E                      | 5559N | 2462-01572 | 00000/0000        | 2-20024/0832                 | 04/28/76                    | 20               | 6433                | 44.2            | 146.3        | GGGG         |                                       |                     |                      | 131                   | 21                   |
| 12536E                      | 4723N | 2549-01402 | 00000/0000        | 2-20030/0027                 | 07/24/76                    | 90               | 7646                | 52.9            | 127.2        | GGGG         |                                       |                     |                      | 128                   | 27                   |
| 12534E                      | 4717N | 2513-01412 | 00000/0000        | 2-20026/1800                 | 06/18/76                    | 90               | 7144                | 56.7            | 125.5        | GGGG         |                                       |                     |                      | 128                   | 27                   |
| 12532E                      | 5021N | 2460-01474 | 00000/0000        | 2-20024/0622                 | 04/26/76                    | 50               | 6405                | 47.1            | 139.8        | GGGG         |                                       |                     |                      | 129                   | 25                   |
| 12532E                      | 0720N | 2433-01092 | 00000/0000        | 2-20022/0981                 | 03/30/76                    | 20               | 6028                | 51.8            | 93.3         | GGGG         |                                       |                     |                      | 120                   | 55                   |
| 12532E                      | 0718N | 2451-01085 | 00000/0000        | 2-20023/0300                 | 04/17/76                    | 30               | 6279                | 53.2            | 82.3         | GGGG         |                                       |                     |                      | 120                   | 55                   |
| 12532E                      | 0717N | 2469-01082 | 00000/0000        | 2-20024/1506                 | 05/05/76                    | 50               | 6530                | 53.2            | 72.6         | GGGG         |                                       |                     |                      | 120                   | 55                   |
| 12531E                      | 5313N | 2461-01524 | 00000/0000        | 2-20024/0602                 | 04/27/76                    | 60               | 6419                | 45.7            | 143.0        | GGGG         |                                       |                     |                      | 130                   | 23                   |
| 12530E                      | 0718N | 2577-01052 | 00000/0000        | 2-20032/0067                 | 08/21/76                    | 90               | 8036                | 51.4            | 79.7         | GGGG         |                                       |                     |                      | 120                   | 55                   |
| 12529E                      | 5020N | 2586-01442 | 00000/0000        | 2-20032/0339                 | 08/30/76                    | 70               | 8162                | 42.4            | 140.3        | GGGG         |                                       |                     |                      | 129                   | 25                   |
| 12529E                      | 5017N | 2568-01445 | 00000/0000        | 2-20030/1075                 | 08/12/76                    | 20               | 7911                | 47.4            | 135.4        | GGGG         |                                       |                     |                      | 129                   | 25                   |
| 12529E                      | 5007N | 2532-01455 | 00000/0000        | 2-20028/0753                 | 07/07/76                    | 20               | 7409                | 54.2            | 129.6        | GGGG         |                                       |                     |                      | 129                   | 25                   |
| 12529E                      | 1308N | 2470-01122 | 00000/0000        | 2-20024/1399                 | 05/06/76                    | 30               | 6544                | 55.5            | 79.8         | G            |                                       |                     |                      | 121                   | 51                   |
| 12529E                      | 0714N | 2559-01060 | 00000/0000        | 2-20030/0593                 | 08/03/76                    | 70               | 7785                | 50.2            | 71.3         | GGGG         |                                       |                     |                      | 120                   | 55                   |
| 12529E                      | 0713N | 2505-01072 | 00000/0000        | 2-20026/1228                 | 06/10/76                    | 60               | 7032                | 50.8            | 62.1         | GGGG         |                                       |                     |                      | 120                   | 55                   |
| 12529E                      | 0712N | 2487-01080 | 00000/0000        | 2-20025/1190                 | 05/23/76                    | 70               | 6781                | 52.2            | 65.5         | GGGG         |                                       |                     |                      | 120                   | 55                   |
| 12528E                      | 1307N | 2452-01125 | 00000/0000        | 2-20023/0358                 | 04/18/76                    | 20               | 6293                | 54.6            | 89.7         | GGGG         |                                       |                     |                      | 121                   | 51                   |
| 12528E                      | 0712N | 2523-01070 | 00000/0000        | 2-20028/1166                 | 06/28/76                    | 20               | 7283                | 49.7            | 62.2         | GGGG         |                                       |                     |                      | 120                   | 55                   |
| 12528E                      | 0712N | 2541-01063 | 00000/0000        | 2-20028/1484                 | 07/16/76                    | 90               | 7534                | 49.5            | 65.4         | GGGG         |                                       |                     |                      | 120                   | 55                   |
| 12527E                      | 0715N | 2595-01050 | 00000/0000        | 2-20032/0981                 | 09/08/76                    | 40               | 8287                | 52.5            | 90.1         | GGGG         |                                       |                     |                      | 120                   | 55                   |
| 12526E                      | 5546N | 2552-01551 | 00000/0000        | 2-20030/0156                 | 07/27/76                    | 50               | 7688                | 48.1            | 139.7        | GGGG         |                                       |                     |                      | 131                   | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RALI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12526E 5017N                            | 2604-01435        | 00000/0000                   | 2-20032/1384                | 09/17/76         | 40                  | 8413            | 36.8         | 145.3        | GGGG                               |                     |                      | 129                   | 25                   |
| 12526E 4310N                            | 2476-01330        | 00000/0000                   | 2-20024/1634                | 05/12/76         | 90                  | 6628            | 54.9         | 126.5        | GGGG                               |                     |                      | 127                   | 30                   |
| 12526E 1304N                            | 2434-01133        | 00000/0000                   | 2-20022/1041                | 03/31/76         | 60                  | 6042            | 52.2         | 100.3        | GGGG                               |                     |                      | 121                   | 51                   |
| 12526E 0716N                            | 2397-01103        | 00000/0000                   | 2-20021/0472                | 02/23/76         | 50                  | 5526            | 46.3         | 113.0        | GGGG                               |                     |                      | 120                   | 55                   |
| 12525E 5543N                            | 2534-01554        | 00000/0000                   | 2-20028/1564                | 07/09/76         | 30                  | 7437            | 51.2         | 138.3        | GGGG                               |                     |                      | 131                   | 21                   |
| 12525E 5009N                            | 2550-01452        | 00000/0000                   | 2-20029/0159                | 07/25/76         | 90                  | 7660            | 51.4         | 131.5        | GGGG                               |                     |                      | 129                   | 25                   |
| 12525E 4315N                            | 2440-01390        | 00000/0000                   | 2-20022/1568                | 04/06/76         | 10                  | 6126            | 44.5         | 135.2        | GGGG                               |                     |                      | 127                   | 30                   |
| 12525E 4315N                            | 2458-01382        | 00000/0000                   | 2-20024/0381                | 04/24/76         | 40                  | 6377            | 50.4         | 131.3        | GGGG                               |                     |                      | 127                   | 30                   |
| 12525E 1303N                            | 2578-01099        | 00000/0000                   | 2-20030/1681                | 08/22/76         | 100                 | 8050            | 53.0         | 87.7         | GGGG                               |                     |                      | 121                   | 51                   |
| 12525E 1302N                            | 2560-01100        | 00000/0000                   | 2-20030/0768                | 08/04/76         | 10                  | 7799            | 52.6         | 78.6         | GGGG                               |                     |                      | 121                   | 51                   |
| 12525E 1301N                            | 2486-01120        | 00000/0000                   | 2-20025/1202                | 05/24/76         | 60                  | 6795            | 55.1         | 72.3         | GGGG                               |                     |                      | 121                   | 51                   |
| 12524E 4315N                            | 2584-01350        | 00000/0000                   | 2-20032/0270                | 08/28/76         | 10                  | 8134            | 46.9         | 131.8        | GGGG                               |                     |                      | 127                   | 30                   |
| 12524E 4312N                            | 2566-01352        | 00000/0000                   | 2-20032/0013                | 08/10/76         | 10                  | 7883            | 51.2         | 125.5        | GGGG                               |                     |                      | 127                   | 30                   |
| 12524E 4305N                            | 2530-01363        | 00000/0000                   | 2-20028/0640                | 07/05/76         | 10                  | 7381            | 57.0         | 117.7        | GGGG                               |                     |                      | 127                   | 30                   |
| 12524E 1258N                            | 2506-01113        | 00000/0000                   | 2-20026/1243                | 06/11/76         | 10                  | 7046            | 53.9         | 68.4         | GGGG                               |                     |                      | 121                   | 51                   |
| 12524E 1258N                            | 2542-01103        | 00000/0000                   | 2-20024/1634                | 07/17/76         | 40                  | 7548            | 52.5         | 72.0         | GGGG                               |                     |                      | 121                   | 51                   |
| 12524E 0713N                            | 2613-01043        | 00000/0000                   | 2-20032/1870                | 09/26/76         | 20                  | 8538            | 52.9         | 101.7        | GGGG                               |                     |                      | 120                   | 55                   |
| 12523E 5007N                            | 2496-01465        | 00000/0000                   | 2-20026/0522                | 06/01/76         | 10                  | 6907            | 54.8         | 132.8        | GGGG                               |                     |                      | 129                   | 25                   |
| 12523E 5005N                            | 2514-01462        | 00000/0000                   | 2-20027/0021                | 06/19/76         | 10                  | 7158            | 55.5         | 130.1        | GGGG                               |                     |                      | 129                   | 25                   |
| 12523E 4306N                            | 2494-01373        | 00000/0000                   | 2-20026/0271                | 05/30/76         | 100                 | 6879            | 57.5         | 121.6        | GGGG                               |                     |                      | 127                   | 30                   |
| 12523E 1301N                            | 2416-01140        | 00000/0000                   | 2-20022/0038                | 03/13/76         | 30                  | 5791            | 48.6         | 110.0        | GGGG                               |                     |                      | 121                   | 51                   |
| 12523E 1256N                            | 2524-01111        | 00000/0000                   | 2-20028/0301                | 06/29/76         | 10                  | 7297            | 52.9         | 68.5         | GGGG                               |                     |                      | 121                   | 51                   |
| 12522E 5539N                            | 2516-01561        | 00000/0000                   | 2-20027/0104                | 06/21/76         | 70                  | 7186            | 52.6         | 138.8        | GGGG                               |                     |                      | 131                   | 21                   |
| 12521E 4307N                            | 2548-01360        | 00000/0000                   | 2-20028/1725                | 07/23/76         | 50                  | 7632            | 54.6         | 120.4        | GGGG                               |                     |                      | 127                   | 30                   |
| 12521E 0709N                            | 2379-01110        | 00000/0000                   | 2-20020/0969                | 02/05/76         | 30                  | 5275            | 43.8         | 120.7        | GGGG                               |                     |                      | 120                   | 55                   |
| 12520E 5300N                            | 2551-01502        | 00000/0000                   | 2-20030/0035                | 07/26/76         | 90                  | 7674            | 49.8         | 135.7        | GGGG                               |                     |                      | 130                   | 23                   |
| 12520E 4302N                            | 2512-01370        | 00000/0000                   | 2-20026/1720                | 06/17/76         | 90                  | 7130            | 58.1         | 118.1        | GGGG                               |                     |                      | 127                   | 30                   |
| 12519E 4306N                            | 2602-01343        | 00000/0000                   | 2-20032/1270                | 09/15/76         | 40                  | 8385            | 42.0         | 138.1        | GGGG                               |                     |                      | 127                   | 30                   |
| 12519E 1300N                            | 2398-01144        | 00000/0000                   | 2-20021/0530                | 02/24/76         | 50                  | 5540            | 44.8         | 118.4        | GGGG                               |                     |                      | 121                   | 51                   |
| 12518E 5257N                            | 2533-01505        | 00000/0000                   | 2-20028/0352                | 07/08/76         | 60                  | 7423            | 52.8         | 134.0        | GGGG                               |                     |                      | 130                   | 23                   |
| 12517E 3429N                            | 2366-01320        | 00000/0000                   | 2-20020/0129                | 01/23/76         | 80                  | 5094            | 26.7         | 143.3        | GGGG                               |                     |                      | 125                   | 36                   |
| 12516E 1251N                            | 2380-01150        | 00000/0000                   | 2-20020/1011                | 02/06/76         | 60                  | 5289            | 41.6         | 125.3        | GGGG                               |                     |                      | 121                   | 51                   |
| 12508E 5722N                            | 2463-02025        | 00000/0000                   | 2-20024/1264                | 04/29/76         | 20                  | 6447            | 43.6         | 147.8        | GGGG                               |                     |                      | 132                   | 20                   |
| 12508E 1141N                            | 2470-01125        | 00000/0000                   | 2-20024/1400                | 05/06/76         | 20                  | 6544            | 55.0         | 77.8         | GGGG                               |                     |                      | 121                   | 52                   |
| 12508E 1140N                            | 2452-01132        | 00000/0000                   | 2-20023/0359                | 04/18/76         | 30                  | 6293            | 54.4         | 87.7         | GGGG                               |                     |                      | 121                   | 52                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... PLANKS-BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NSN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LAT   | LONG | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12506E                      | 4607N |      | 2441-01435        | 00000/0000                   | 2-20022/1436                | 04/07/76         | 0                   | 6140            | 43.2         | 138.0        | GGFG                               |                     |                      | 128                   | 28                   |
| 12506E                      | 1137N |      | 2434-01135        | 00000/0000                   | 2-20022/1042                | 03/31/76         | 70                  | 6042            | 52.2         | 98.3         | GGGG                               |                     |                      | 121                   | 52                   |
| 12506E                      | 4559N |      | 2477-01425        | 00000/0000                   | 2-20025/0329                | 05/13/76         | 0                   | 6642            | 53.9         | 130.5        | GGGG                               |                     |                      | 128                   | 28                   |
| 12504E                      | 4604N |      | 2585-01395        | 00000/0000                   | 2-20032/0296                | 08/29/76         | 80                  | 8148            | 45.2         | 135.4        | GGGG                               |                     |                      | 128                   | 28                   |
| 12504E                      | 1137N |      | 2578-01095        | 00000/0000                   | 2-20030/1632                | 08/22/76         | 90                  | 8050            | 52.7         | 85.7         | GGGG                               |                     |                      | 121                   | 52                   |
| 12504E                      | 1136N |      | 2560-01103        | 00000/0000                   | 2-20030/1769                | 08/04/76         | 50                  | 7799            | 52.1         | 76.8         | GGGG                               |                     |                      | 121                   | 52                   |
| 12504E                      | 1134N |      | 2488-01122        | 00000/0000                   | 2-20025/1203                | 05/24/76         | 60                  | 6795            | 54.4         | 70.4         | FGGG                               |                     |                      | 121                   | 52                   |
| 12504E                      | 1132N |      | 2542-01110        | 00000/0000                   | 2-20028/1635                | 07/17/76         | 60                  | 7548            | 51.8         | 70.3         | GGGG                               |                     |                      | 121                   | 52                   |
| 12503E                      | 4601N |      | 2567-01402        | 00000/0000                   | 2-20030/1066                | 08/11/76         | 30                  | 7897            | 49.8         | 129.6        | GGGG                               |                     |                      | 128                   | 28                   |
| 12503E                      | 1132N |      | 2506-01120        | 00000/0000                   | 2-20026/1244                | 06/11/76         | 20                  | 7046            | 53.2         | 66.7         | GGGG                               |                     |                      | 121                   | 52                   |
| 12502E                      | 4600N |      | 2603-01392        | 00000/0000                   | 2-20032/1354                | 09/16/76         | 0                   | 8399            | 39.9         | 141.2        | GGGG                               |                     |                      | 128                   | 28                   |
| 12502E                      | 4556N |      | 2531-01413        | 00000/0000                   | 2-20028/0728                | 07/06/76         | 0                   | 7395            | 56.0         | 122.7        | GGGG                               |                     |                      | 128                   | 28                   |
| 12502E                      | 4555N |      | 2495-01422        | 00000/0000                   | 2-20026/1481                | 05/31/76         | 20                  | 6893            | 56.6         | 126.1        | GGGG                               |                     |                      | 128                   | 28                   |
| 12502E                      | 1135N |      | 2416-01143        | 00000/0000                   | 2-20022/0039                | 03/13/76         | 40                  | 5791            | 48.9         | 108.3        | GGGG                               |                     |                      | 121                   | 52                   |
| 12502E                      | 1130N |      | 2524-01113        | 00000/0000                   | 2-20028/0302                | 06/29/76         | 20                  | 7297            | 52.2         | 66.8         | GGGG                               |                     |                      | 121                   | 52                   |
| 12501E                      | 4559N |      | 2549-01410        | 00000/0000                   | 2-20030/0028                | 07/24/76         | 90                  | 7646            | 53.4         | 125.0        | FGGF                               |                     |                      | 128                   | 28                   |
| 12459E                      | 4553N |      | 2513-01420        | 00000/0000                   | 2-20026/1801                | 06/18/76         | 80                  | 7144            | 57.2         | 123.1        | GGGG                               |                     |                      | 128                   | 28                   |
| 12459E                      | 1133N |      | 2398-01150        | 00000/0000                   | 2-20021/0531                | 02/24/76         | 30                  | 5540            | 45.2         | 117.0        | GGGF                               |                     |                      | 121                   | 52                   |
| 12456E                      | 1125N |      | 2380-01153        | 00000/0000                   | 2-20020/1012                | 02/06/76         | 50                  | 5289            | 42.2         | 124.1        | GGF                                |                     |                      | 121                   | 52                   |
| 12455E                      | 4144N |      | 2476-01382        | 00000/0000                   | 2-20024/1635                | 05/12/76         | 90                  | 6628            | 55.5         | 124.3        | GGGG                               |                     |                      | 127                   | 31                   |
| 12454E                      | 4150N |      | 2440-01322        | 00000/0000                   | 2-20022/1569                | 04/06/76         | 10                  | 6126            | 45.3         | 133.7        | GGGG                               |                     |                      | 127                   | 31                   |
| 12454E                      | 4150N |      | 2458-01385        | 00000/0000                   | 2-20024/0382                | 04/24/76         | 30                  | 6377            | 51.1         | 129.5        | GGGG                               |                     |                      | 127                   | 31                   |
| 12453E                      | 4856N |      | 2460-01481        | 00000/0000                   | 2-20024/0623                | 04/26/76         | 60                  | 6405            | 48.0         | 138.0        | GGGG                               |                     |                      | 129                   | 26                   |
| 12453E                      | 4149N |      | 2584-01352        | 00000/0000                   | 2-20032/0271                | 08/28/76         | 20                  | 8134            | 47.6         | 130.2        | GGGG                               |                     |                      | 127                   | 31                   |
| 12453E                      | 4147N |      | 2566-01360        | 00000/0000                   | 2-20032/0014                | 08/10/76         | 20                  | 7883            | 51.8         | 123.5        | GGGG                               |                     |                      | 127                   | 31                   |
| 12453E                      | 4140N |      | 2494-01330        | 00000/0000                   | 2-20026/0272                | 05/30/76         | 80                  | 6879            | 58.0         | 119.1        | GGGG                               |                     |                      | 127                   | 31                   |
| 12453E                      | 4140N |      | 2530-01370        | 00000/0000                   | 2-20028/0641                | 07/05/76         | 10                  | 7381            | 57.4         | 115.3        | GGGG                               |                     |                      | 127                   | 31                   |
| 12451E                      | 4856N |      | 2586-01444        | 00000/0000                   | 2-20032/0340                | 08/30/76         | 80                  | 8162            | 43.2         | 138.8        | FFFG                               |                     |                      | 129                   | 26                   |
| 12451E                      | 4852N |      | 2568-01452        | 00000/0000                   | 2-20030/1076                | 08/12/76         | 20                  | 7911            | 48.1         | 133.6        | GGGG                               |                     |                      | 129                   | 26                   |
| 12451E                      | 4851N |      | 2478-01474        | 00000/0000                   | 2-20025/0293                | 05/14/76         | 20                  | 6656            | 52.7         | 134.5        | GGGG                               |                     |                      | 129                   | 26                   |
| 12451E                      | 4843N |      | 2532-01462        | 00000/0000                   | 2-20028/0754                | 07/07/76         | 40                  | 7409            | 54.8         | 127.3        | GGFG                               |                     |                      | 129                   | 26                   |
| 12450E                      | 4141N |      | 2548-01363        | 00000/0000                   | 2-20028/1726                | 07/23/76         | 70                  | 7532            | 55.0         | 118.1        | GGGG                               |                     |                      | 127                   | 31                   |
| 12449E                      | 5711N |      | 2553-02003        | 00000/0000                   | 2-20030/0268                | 07/28/76         | 10                  | 7702            | 47.0         | 141.8        | GGGG                               |                     |                      | 132                   | 20                   |
| 12449E                      | 4137N |      | 2512-01373        | 00000/0000                   | 2-20026/1721                | 06/17/76         | 100                 | 7130            | 58.5         | 115.6        | FGGG                               |                     |                      | 127                   | 31                   |
| 12448E                      | 5148N |      | 2461-01530        | 00000/0000                   | 2-20024/0160                | 04/27/76         | 40                  | 6419            | 46.6         | 141.3        | FFGF                               |                     |                      | 130                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, RAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 12448E                      | 4852N             | 2604-01441            | 00000/0000           | 2-20032/1385     | 09/17/76            | 20              | 8413         | 37.7         | 144.1                 | GGGG                |                      | 129                   | 26                   |
| 12448E                      | 1012N             | 2452-01134            | 00000/0000           | 2-20023/0360     | 04/18/76            | 40              | 6293         | 54.1         | 85.6                  | GGGG                |                      | 121                   | 53                   |
| 12447E                      | 4140N             | 2602-01350            | 00000/0000           | 2-20032/1271     | 09/15/76            | 10              | 8385         | 42.8         | 135.8                 | GGGG                |                      | 127                   | 31                   |
| 12447E                      | 1014N             | 2470-01131            | 00000/0000           | 2-20024/1401     | 05/06/76            | 20              | 6544         | 54.5         | 75.8                  | FGGG                |                      | 121                   | 53                   |
| 12446E                      | 5706N             | 2535-02010            | 00000/0000           | 2-20028/1102     | 07/10/76            | 10              | 7451         | 50.3         | 140.4                 | GGGG                |                      | 132                   | 20                   |
| 12446E                      | 4845N             | 2550-01455            | 00000/0000           | 2-20029/0160     | 07/25/76            | 80              | 7660         | 52.1         | 129.4                 | GGGG                |                      | 129                   | 24                   |
| 12446E                      | 4843N             | 2496-01472            | 00000/0000           | 2-20026/0523     | 06/01/76            | 10              | 6907         | 55.4         | 130.5                 | GGGG                |                      | 129                   | 26                   |
| 12445E                      | 5704N             | 2517-02013            | 00000/0000           | 2-20027/0247     | 06/22/76            | 70              | 7200         | 51.8         | 140.9                 | GGGG                |                      | 132                   | 20                   |
| 12445E                      | 4841N             | 2514-01465            | 00000/0000           | 2-20027/0022     | 06/19/76            | 10              | 7158         | 56.1         | 127.7                 | GGGG                |                      | 129                   | 26                   |
| 12445E                      | 1011N             | 2434-01142            | 00000/0000           | 2-20022/1043     | 03/31/76            | 60              | 6042         | 52.1         | 96.4                  | GGGG                |                      | 121                   | 53                   |
| 12444E                      | 1600N             | 2453-01175            | 00000/0000           | 2-20023/0400     | 04/19/76            | 10              | 6307         | 55.1         | 93.4                  | GGGG                |                      | 122                   | 49                   |
| 12444E                      | 1010N             | 2578-01102            | 00000/0000           | 2-20030/1683     | 03/22/76            | 70              | 8050         | 52.3         | 83.8                  | GGGG                |                      | 121                   | 53                   |
| 12444E                      | 1009N             | 2560-01105            | 00000/0000           | 2-20030/0770     | 08/04/76            | 60              | 7799         | 51.5         | 75.0                  | GGGG                |                      | 121                   | 53                   |
| 12444E                      | 1007N             | 2488-01125            | 00000/0000           | 2-20025/1204     | 05/24/76            | 50              | 6795         | 53.7         | 68.6                  | PGGG                |                      | 121                   | 53                   |
| 12443E                      | 1005N             | 2506-01122            | 00000/0000           | 2-20026/1245     | 06/11/76            | 30              | 7046         | 52.4         | 65.1                  | GGGG                |                      | 121                   | 53                   |
| 12443E                      | 1005N             | 2542-01112            | 00000/0000           | 2-20028/1636     | 07/17/76            | 70              | 7548         | 51.1         | 68.6                  | GGGG                |                      | 121                   | 53                   |
| 12442E                      | 1600N             | 2579-01142            | 00000/0000           | 2-20030/1711     | 08/23/76            | 60              | 8064         | 53.5         | 92.3                  | GGGG                |                      | 122                   | 49                   |
| 12441E                      | 1548N             | 2471-01172            | 00000/0000           | 2-20025/0202     | 05/07/76            | 40              | 6558         | 56.4         | 83.3                  | GGGG                |                      | 122                   | 49                   |
| 12441E                      | 1009N             | 2416-01145            | 00000/0000           | 2-20022/0040     | 03/13/76            | 50              | 5791         | 49.1         | 106.6                 | GGGG                |                      | 121                   | 53                   |
| 12441E                      | 1003N             | 2524-01120            | 00000/0000           | 2-20028/0333     | 06/29/76            | 20              | 7297         | 51.4         | 65.2                  | GGGG                |                      | 121                   | 53                   |
| 12440E                      | 1556N             | 2417-01190            | 00000/0000           | 2-20021/1536     | 03/14/76            | 40              | 5805         | 48.2         | 112.9                 | GGGG                |                      | 122                   | 49                   |
| 12440E                      | 1554N             | 2435-01142            | 00000/0000           | 2-20022/1109     | 04/01/76            | 40              | 6056         | 52.2         | 103.5                 | GGGG                |                      | 122                   | 49                   |
| 12440E                      | 1553N             | 2543-01153            | 00000/0000           | 2-20028/1673     | 07/18/76            | 20              | 7562         | 53.7         | 75.9                  | GGGG                |                      | 122                   | 49                   |
| 12440E                      | 1553N             | 2561-01145            | 00000/0000           | 2-20030/0807     | 08/05/76            | 30              | 7813         | 53.6         | 82.8                  | GGGG                |                      | 122                   | 49                   |
| 12439E                      | 1553N             | 2525-01160            | 00000/0000           | 2-20028/0391     | 06/30/76            | 60              | 7311         | 54.3         | 72.2                  | GGGG                |                      | 122                   | 49                   |
| 12439E                      | 1551N             | 2489-01165            | 00000/0000           | 2-20026/0029     | 05/25/76            | 90              | 6809         | 56.3         | 76.0                  | FGGG                |                      | 122                   | 49                   |
| 12439E                      | 1007N             | 2398-01153            | 00000/0000           | 2-20021/0532     | 02/24/76            | 40              | 5540         | 45.7         | 115.5                 | GFFF                |                      | 121                   | 53                   |
| 12438E                      | 5136N             | 2551-01504            | 00000/0000           | 2-20030/0036     | 07/26/76            | 60              | 7674         | 50.5         | 133.7                 | GGGG                |                      | 130                   | 24                   |
| 12437E                      | 1552N             | 2597-01135            | 00000/0000           | 2-20032/1049     | 09/10/76            | 50              | 8315         | 52.9         | 103.1                 | FGGG                |                      | 122                   | 49                   |
| 12435E                      | 5129N             | 2515-01514            | 00000/0000           | 2-20027/0140     | 06/20/76            | 90              | 7172         | 54.8         | 132.2                 | GGGG                |                      | 130                   | 24                   |
| 12435E                      | 1551N             | 2399-01193            | 00000/0000           | 2-20021/0644     | 02/25/76            | 20              | 5554         | 44.0         | 120.8                 | F                   |                      | 122                   | 49                   |
| 12435E                      | 0958N             | 2340-01155            | 00000/0000           | 2-20020/1013     | 02/06/76            | 50              | 5289         | 42.8         | 122.8                 | FGGF                |                      | 121                   | 53                   |
| 12433E                      | 4439N             | 2459-01434            | 00000/0000           | 2-20024/0529     | 04/25/76            | 20              | 6391         | 50.0         | 132.9                 | GGGG                |                      | 128                   | 29                   |
| 12432E                      | 4442N             | 2441-01441            | 00000/0000           | 2-20022/1437     | 04/07/76            | 0               | 6140         | 44.1         | 136.6                 | GFGG                |                      | 128                   | 29                   |
| 12432E                      | 1544N             | 2351-01200            | 00000/0000           | 2-20020/1123     | 02/07/76            | 40              | 5303         | 40.4         | 127.4                 | GFFF                |                      | 122                   | 49                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=UNEXPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR N8N=US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER % | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                  |                  |                  |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 12431E                      | 4438N             | 2585-01402            | 00000/0000           | 2-20032/0297     | 08/29/76         | 70              | 8148         | 45.9         | 133.8                 | GGGG                |                      | 128                   | 29                   |
| 12431E                      | 4434N             | 2477-01431            | 00000/0000           | 2-20025/0330     | 05/13/76         | 0               | 6642         | 54.5         | 128.4                 | FGGG                |                      | 128                   | 29                   |
| 12429E                      | 4435N             | 2567-01405            | 00000/0000           | 2-20030/1067     | 08/11/76         | 10              | 7897         | 50.4         | 127.7                 | FGGG                |                      | 128                   | 29                   |
| 12429E                      | 4431N             | 2531-01415            | 00000/0000           | 2-20028/0729     | 07/06/76         | 0               | 7395         | 56.5         | 120.3                 | GGGG                |                      | 128                   | 29                   |
| 12429E                      | 4430N             | 2495-01425            | 00000/0000           | 2-20026/0482     | 05/31/76         | 10              | 6893         | 57.1         | 123.7                 | GGGG                |                      | 128                   | 29                   |
| 12428E                      | 4435N             | 2603-01395            | 00000/0000           | 2-20032/1355     | 09/16/76         | 0               | 8399         | 40.8         | 139.9                 | GGGG                |                      | 128                   | 29                   |
| 12428E                      | 4433N             | 2549-01412            | 00000/0000           | 2-20030/0029     | 07/24/76         | 90              | 7646         | 54.0         | 122.9                 | FFFF                |                      | 128                   | 29                   |
| 12428E                      | 0846N             | 2452-01141            | 00000/0000           | 2-20023/0361     | 04/18/76         | 20              | 6293         | 53.7         | 83.7                  | GGGG                |                      | 121                   | 54                   |
| 12427E                      | 0847N             | 2470-01134            | 00000/0000           | 2-20024/1402     | 05/06/76         | 30              | 6544         | 53.9         | 73.9                  | GGGG                |                      | 121                   | 54                   |
| 12426E                      | 4427N             | 2513-01422            | 00000/0000           | 2-20026/1802     | 06/18/76         | 80              | 7144         | 57.7         | 120.6                 | GGGG                |                      | 128                   | 29                   |
| 12424E                      | 4025N             | 2440-01395            | 00000/0000           | 2-20022/1570     | 04/06/76         | 10              | 6126         | 46.0         | 132.2                 | GGGG                |                      | 127                   | 32                   |
| 12424E                      | 4019N             | 2476-01385            | 00000/0000           | 2-20024/1636     | 05/12/76         | 80              | 6628         | 56.0         | 122.0                 | GGGG                |                      | 127                   | 32                   |
| 12424E                      | 0844N             | 2434-01144            | 00000/0000           | 2-20022/1044     | 03/31/76         | 50              | 6042         | 52.1         | 94.5                  | GGGG                |                      | 121                   | 54                   |
| 12424E                      | 0842N             | 2560-01112            | 00000/0000           | 2-20030/0771     | 08/04/76         | 60              | 7799         | 50.9         | 73.3                  | GGGG                |                      | 121                   | 54                   |
| 12423E                      | 4022N             | 2566-01352            | 00000/0000           | 2-20032/0015     | 08/10/76         | 10              | 7883         | 52.3         | 121.5                 | GGGG                |                      | 127                   | 32                   |
| 12423E                      | 4015N             | 2494-01382            | 00000/0000           | 2-20026/0273     | 05/30/76         | 10              | 6879         | 58.4         | 116.6                 | GGGG                |                      | 127                   | 32                   |
| 12423E                      | 4014N             | 2530-01372            | 00000/0000           | 2-20028/0642     | 07/05/76         | 20              | 7381         | 57.7         | 112.8                 | GGGG                |                      | 127                   | 32                   |
| 12423E                      | 1434N             | 2453-01121            | 00000/0000           | 2-20024/0401     | 04/19/76         | 10              | 6307         | 55.0         | 91.3                  | GGGG                |                      | 122                   | 50                   |
| 12423E                      | 0843N             | 2578-01104            | 00000/0000           | 2-20030/1684     | 08/22/76         | 70              | 8050         | 51.9         | 82.0                  | GGGG                |                      | 121                   | 54                   |
| 12423E                      | 0841N             | 2488-01131            | 00000/0000           | 2-20025/1205     | 05/24/76         | 40              | 6795         | 52.9         | 66.9                  | FGGG                |                      | 121                   | 54                   |
| 12423E                      | 0839N             | 2506-01125            | 00000/0000           | 2-20026/1246     | 06/11/76         | 70              | 7046         | 51.5         | 63.5                  | GGGG                |                      | 121                   | 54                   |
| 12423E                      | 0838N             | 2542-01115            | 00000/0000           | 2-20028/1637     | 07/17/76         | 80              | 7548         | 50.3         | 67.1                  | GGGG                |                      | 121                   | 54                   |
| 12422E                      | 4023N             | 2584-01355            | 00000/0000           | 2-20032/0272     | 08/28/76         | 10              | 8134         | 48.3         | 128.5                 | GGGG                |                      | 127                   | 32                   |
| 12421E                      | 1433N             | 2579-01145            | 00000/0000           | 2-20030/1712     | 05/23/76         | 60              | 8064         | 53.3         | 90.3                  | GGGG                |                      | 122                   | 50                   |
| 12421E                      | 0843N             | 2416-01152            | 00000/0000           | 2-20022/0041     | 03/13/76         | 50              | 5791         | 49.3         | 104.9                 | GGGG                |                      | 121                   | 54                   |
| 12421E                      | 0837N             | 2524-01122            | 00000/0000           | 2-20028/0304     | 06/29/76         | 20              | 7297         | 50.5         | 63.7                  | GGGG                |                      | 121                   | 54                   |
| 12420E                      | 4016N             | 2548-01365            | 00000/0000           | 2-20024/1727     | 07/23/76         | 90              | 7632         | 55.4         | 115.9                 | GGGG                |                      | 127                   | 32                   |
| 12420E                      | 4011N             | 2512-01375            | 00000/0000           | 2-20026/1722     | 06/17/76         | 100             | 7130         | 58.8         | 113.0                 | GGGG                |                      | 127                   | 32                   |
| 12420E                      | 1427N             | 2435-01185            | 00000/0000           | 2-20022/1110     | 04/01/76         | 50              | 6056         | 52.3         | 101.6                 | GGGG                |                      | 122                   | 50                   |
| 12420E                      | 1420N             | 2471-01175            | 00000/0000           | 2-20025/0203     | 05/07/76         | 20              | 6558         | 55.9         | 81.1                  | GGGG                |                      | 122                   | 50                   |
| 12419E                      | 1427N             | 2543-01155            | 00000/0000           | 2-20028/1674     | 07/18/76         | 30              | 7562         | 53.1         | 74.1                  | GGGG                |                      | 122                   | 50                   |
| 12419E                      | 1426N             | 2561-01152            | 00000/0000           | 2-20030/0808     | 08/05/76         | 40              | 7813         | 53.1         | 80.3                  | GGGG                |                      | 122                   | 50                   |
| 12419E                      | 1425N             | 2489-01172            | 00000/0000           | 2-20026/0030     | 05/25/76         | 80              | 6809         | 55.6         | 73.9                  | FGGG                |                      | 122                   | 50                   |
| 12418E                      | 1430N             | 2417-01132            | 00000/0000           | 2-20021/1537     | 03/14/76         | 40              | 5805         | 48.6         | 111.2                 | FGGG                |                      | 122                   | 50                   |
| 12418E                      | 1426N             | 2525-01162            | 00000/0000           | 2-20022/0392     | 06/30/76         | 30              | 7311         | 53.6         | 70.4                  | GGGG                |                      | 122                   | 50                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | SERVIATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROL | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>BY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|------------------|-----------------------|---------------------|------------------|----------------|-----------------|--------------|--------------|----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT              | RBV                   | MSS                 |                  | %              |                 |              |              | 123 45678            |                     |                      |                       |                      |
| 12418E                      | 0841N            | 2398-01155            | 00000/0000          | 2-20021/0533     | 02/24/76       | 40              | 5540         | 46.1         | 114.0                | GF0F                |                      | 121                   | 54                   |
| 12417E                      | 4731N            | 2460-01483            | 00000/0000          | 2-20024/0624     | 04/26/76       | 60              | 6405         | 48.8         | 136.3                | GF0G                |                      | 129                   | 27                   |
| 12417E                      | 4015N            | 2602-01352            | 00000/0000          | 2-20032/1272     | 09/15/76       | 0               | 8385         | 43.7         | 135.4                | GG0G                |                      | 127                   | 32                   |
| 12417E                      | 1425N            | 2597-01142            | 00000/0000          | 2-20032/1050     | 09/10/76       | 20              | 8316         | 53.0         | 101.1                | GG0G                |                      | 122                   | 50                   |
| 12415E                      | 0832N            | 2380-01162            | 00000/0000          | 2-20020/1014     | 02/06/76       | 60              | 5289         | 43.4         | 121.5                | FG0G                |                      | 121                   | 54                   |
| 12414E                      | 4731N            | 2586-01451            | 00000/0000          | 2-20032/0341     | 08/30/76       | 100             | 8162         | 44.1         | 137.3                | GG0G                |                      | 129                   | 27                   |
| 12414E                      | 4726N            | 2478-01481            | 00000/0000          | 2-20025/0294     | 05/14/76       | 10              | 6656         | 53.4         | 132.4                | GG0G                |                      | 129                   | 27                   |
| 12414E                      | 4718N            | 2532-01464            | 00000/0000          | 2-20028/0755     | 07/07/76       | 40              | 7409         | 55.4         | 125.0                | GG0G                |                      | 129                   | 27                   |
| 12414E                      | 1425N            | 2399-01195            | 00000/0000          | 2-20021/0645     | 02/25/76       | 30              | 5554         | 44.5         | 119.4                | FG0G                |                      | 122                   | 50                   |
| 12413E                      | 4727N            | 2568-01454            | 00000/0000          | 2-20030/1077     | 08/12/76       | 20              | 7911         | 48.8         | 131.8                | GG0G                |                      | 129                   | 27                   |
| 12411E                      | 4727N            | 2604-01444            | 00000/0000          | 2-20032/1386     | 09/17/76       | 10              | 8413         | 38.6         | 142.8                | GG0G                |                      | 129                   | 27                   |
| 12411E                      | 1418N            | 2381-01202            | 00000/0000          | 2-20020/1124     | 02/07/76       | 70              | 5303         | 41.1         | 126.2                | GG0G                |                      | 122                   | 50                   |
| 12410E                      | 4721N            | 2550-01451            | 00000/0000          | 2-20029/0161     | 07/25/76       | 60              | 7660         | 52.7         | 127.3                | GG0G                |                      | 129                   | 27                   |
| 12409E                      | 4718N            | 2496-01474            | 00000/0000          | 2-20026/0524     | 06/01/76       | 10              | 6907         | 56.1         | 128.2                | GG0G                |                      | 129                   | 27                   |
| 12408E                      | 4717N            | 2514-01471            | 00000/0000          | 2-20027/0023     | 06/19/76       | 10              | 7158         | 56.7         | 125.4                | GG0G                |                      | 129                   | 27                   |
| 12407E                      | 5023N            | 2461-01533            | 00000/0000          | 2-20024/0161     | 04/27/76       | 30              | 6419         | 47.4         | 139.6                | GG0G                |                      | 130                   | 25                   |
| 12407E                      | 0720N            | 2470-01140            | 00000/0000          | 2-20024/1403     | 05/06/76       | 30              | 6544         | 53.2         | 72.1                 | GG0G                |                      | 121                   | 55                   |
| 12407E                      | 0719N            | 2452-01143            | 00000/0000          | 2-20023/0362     | 04/18/76       | 30              | 6293         | 53.3         | 81.7                 | GG0G                |                      | 121                   | 55                   |
| 12405E                      | 5020N            | 2443-01540            | 00000/0000          | 2-20022/1498     | 04/09/76       | 10              | 6168         | 41.4         | 142.1                | GG0G                |                      | 130                   | 25                   |
| 12404E                      | 0717N            | 2434-01151            | 00000/0000          | 2-20022/1045     | 03/31/76       | 50              | 6042         | 51.9         | 92.6                 | GG0G                |                      | 121                   | 55                   |
| 12404E                      | 0716N            | 2560-01114            | 00000/0000          | 2-20030/0772     | 08/04/76       | 90              | 7799         | 50.2         | 71.7                 | GG0G                |                      | 121                   | 55                   |
| 12403E                      | 5018N            | 2569-01503            | 00000/0000          | 2-20030/1204     | 08/13/76       | 10              | 7825         | 47.1         | 135.7                | GG0G                |                      | 130                   | 25                   |
| 12403E                      | 5014N            | 2479-01530            | 00000/0000          | 2-20025/0362     | 05/15/76       | 50              | 6670         | 52.1         | 136.3                | GG0G                |                      | 130                   | 25                   |
| 12403E                      | 1307N            | 2453-01184            | 00000/0000          | 2-20023/0402     | 04/19/76       | 20              | 6307         | 54.7         | 89.2                 | GG0G                |                      | 122                   | 51                   |
| 12403E                      | 0717N            | 2578-01111            | 00000/0000          | 2-20030/1685     | 09/22/76       | 60              | 8050         | 51.5         | 80.2                 | GG0G                |                      | 121                   | 55                   |
| 12403E                      | 0714N            | 2488-01134            | 00000/0000          | 2-20025/1206     | 05/24/76       | 40              | 6795         | 52.1         | 65.3                 | GG0G                |                      | 121                   | 55                   |
| 12403E                      | 0712N            | 2506-01131            | 00000/0000          | 2-20026/1247     | 05/11/76       | 50              | 7046         | 50.7         | 62.0                 | GG0G                |                      | 121                   | 55                   |
| 12403E                      | 0711N            | 2542-01121            | 00000/0000          | 2-20028/1638     | 07/17/76       | 90              | 7548         | 49.5         | 65.6                 | GG 0                |                      | 121                   | 55                   |
| 12400E                      | 5015N            | 2605-01493            | 00000/0000          | 2-20032/0891     | 09/18/76       | 70              | 8427         | 36.5         | 145.5                | GG0G                |                      | 130                   | 25                   |
| 12400E                      | 4314N            | 2459-01441            | 00000/0000          | 2-20024/0530     | 04/25/76       | 50              | 6391         | 50.7         | 131.0                | GG0G                |                      | 128                   | 30                   |
| 12400E                      | 1305N            | 2579-01151            | 00000/0000          | 2-20030/1713     | 08/23/76       | 40              | 8064         | 53.0         | 88.3                 | GG0G                |                      | 122                   | 51                   |
| 12400E                      | 0716N            | 2416-01154            | 00000/0000          | 2-20022/0042     | 03/13/76       | 30              | 5791         | 49.4         | 103.2                | GG0G                |                      | 121                   | 55                   |
| 12400E                      | 0711N            | 2524-01125            | 00000/0000          | 2-20028/0305     | 06/29/76       | 40              | 7297         | 49.7         | 62.2                 | GG0G                |                      | 121                   | 55                   |
| 12359E                      | 5018N            | 2587-01500            | 00000/0000          | 2-20032/0224     | 08/31/76       | 60              | 8176         | 42.1         | 140.6                | GG0G                |                      | 130                   | 25                   |
| 12359E                      | 4317N            | 2441-01444            | 00000/0000          | 2-20022/1438     | 04/07/76       | 10              | 6140         | 44.9         | 135.1                | GG0G                |                      | 128                   | 30                   |

KEYS: CLOUD COVER 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN (BLANK)=LOW GAIN. H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0726

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL.<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12359E 4309N                            | 2477-01434        | 00000/0000                   | 2-20025/0331                | 05/13/76         | 0                   | 6642            | 55.1         | 126.2        | FGGG                                |                     |                      | 128                   | 30                   |
| 12359E 1301N                            | 2435-01191        | 00000/0000                   | 2-20022/1111                | 04/01/76         | 50                  | 6056            | 52.4         | 99.6         | GGFG                                |                     |                      | 122                   | 51                   |
| 12359E 1300N                            | 2543-01162        | 00000/0000                   | 2-20022/1675                | 07/18/76         | 50                  | 7562            | 52.5         | 72.3         | GGGG                                |                     |                      | 122                   | 51                   |
| 12359E 1253N                            | 2471-01141        | 00000/0000                   | 2-20025/0204                | 05/07/76         | 10                  | 6558            | 55.5         | 79.0         | GGGG                                |                     |                      | 122                   | 51                   |
| 12358E 5011N                            | 2551-01511        | 00000/0000                   | 2-20030/0037                | 07/26/76         | 30                  | 7674            | 51.2         | 131.7        | GGGG                                |                     |                      | 130                   | 25                   |
| 12358E 4313N                            | 2555-01404        | 00000/0000                   | 2-20032/0298                | 08/29/76         | 80                  | 8148            | 46.7         | 132.2        | GGGG                                |                     |                      | 128                   | 30                   |
| 12358E 1304N                            | 2417-01195        | 00000/0000                   | 2-20021/1538                | 03/14/76         | 40                  | 5805            | 48.8         | 109.5        | FFGF                                |                     |                      | 122                   | 51                   |
| 12358E 1300N                            | 2561-01154        | 00000/0000                   | 2-20030/0809                | 08/05/76         | 40                  | 7813            | 52.6         | 79.0         | GGGG                                |                     |                      | 122                   | 51                   |
| 12358E 1259N                            | 2449-01174        | 00000/0000                   | 2-20026/0031                | 05/25/76         | 70                  | 6809            | 55.0         | 72.0         | GGGG                                |                     |                      | 122                   | 51                   |
| 12357E 4310N                            | 2567-01411        | 00000/0000                   | 2-20030/1068                | 08/11/76         | 10                  | 7897            | 51.0         | 125.8        | GGGG                                |                     |                      | 128                   | 30                   |
| 12357E 4306N                            | 2531-01422        | 00000/0000                   | 2-20028/0730                | 07/06/76         | 0                   | 7395            | 56.9         | 117.9        | GGGG                                |                     |                      | 128                   | 30                   |
| 12357E 4304N                            | 2495-01431        | 00000/0000                   | 2-20026/0483                | 05/31/76         | 20                  | 6893            | 57.6         | 121.3        | GFGG                                |                     |                      | 128                   | 30                   |
| 12356E 5005N                            | 2515-01521        | 00000/0000                   | 2-20027/0141                | 06/20/76         | 60                  | 7172            | 55.5         | 130.0        | GGGG                                |                     |                      | 130                   | 25                   |
| 12356E 4310N                            | 2603-01401        | 00000/0000                   | 2-20032/1356                | 09/16/76         | 0                   | 8399            | 41.7         | 138.6        | GGGG                                |                     |                      | 128                   | 30                   |
| 12356E 4308N                            | 2549-01415        | 00000/0000                   | 2-20030/0030                | 07/24/76         | 90                  | 7646            | 54.4         | 120.7        | FGFF                                |                     |                      | 128                   | 30                   |
| 12356E 4307N                            | 2423-01451        | 00000/0000                   | 2-20021/1732                | 03/20/76         | 0                   | 5889            | 38.3         | 138.2        | G GGG                               |                     |                      | 128                   | 30                   |
| 12356E 1259N                            | 2525-01165        | 00000/0000                   | 2-20028/0393                | 06/30/76         | 60                  | 7311            | 52.9         | 68.6         | GGGG                                |                     |                      | 122                   | 51                   |
| 12356E 1259N                            | 2597-01144        | 00000/0000                   | 2-20032/1051                | 09/10/76         | 20                  | 8315            | 53.0         | 99.1         | GGGG                                |                     |                      | 122                   | 51                   |
| 12355E 5009N                            | 2533-01514        | 00000/0000                   | 2-20028/0892                | 07/08/76         | 90                  | 7423            | 54.1         | 129.6        | F                                   |                     |                      | 130                   | 25                   |
| 12355E 4302N                            | 2513-01425        | 00000/0000                   | 2-20026/1803                | 06/18/76         | 30                  | 7144            | 58.1         | 118.1        | GGGG                                |                     |                      | 128                   | 30                   |
| 12355E 3853N                            | 2476-01391        | 00000/0000                   | 2-20024/1637                | 05/12/76         | 10                  | 6628            | 56.5         | 119.7        | GGGG                                |                     |                      | 127                   | 33                   |
| 12354E 3859N                            | 2443-01401        | 00000/0000                   | 2-20027/1571                | 04/06/76         | 10                  | 6126            | 46.8         | 130.6        | GGGG                                |                     |                      | 127                   | 33                   |
| 12354E 3849N                            | 2494-01355        | 00000/0000                   | 2-20026/0274                | 05/30/76         | 10                  | 6879            | 58.7         | 114.0        | GGGG                                |                     |                      | 127                   | 33                   |
| 12354E 1300N                            | 2339-01232        | 00000/0000                   | 2-20021/0646                | 02/25/76         | 90                  | 5554            | 45.0         | 118.0        | GGFG                                |                     |                      | 122                   | 51                   |
| 12354E 0706N                            | 2380-01104        | 00000/0000                   | 2-20020/1015                | 02/06/76         | 30                  | 5289            | 43.9         | 120.2        | FGGF                                |                     |                      | 121                   | 55                   |
| 12353E 3857N                            | 2584-01361        | 00000/0000                   | 2-20032/0273                | 08/28/76         | 40                  | 8134            | 48.9         | 126.7        | FGGG                                |                     |                      | 127                   | 33                   |
| 12353E 3856N                            | 2566-01365        | 00000/0000                   | 2-20032/0016                | 08/10/76         | 10                  | 7883            | 52.7         | 119.5        | GGGG                                |                     |                      | 127                   | 33                   |
| 12351E 3851N                            | 2548-01372        | 00000/0000                   | 2-20028/1728                | 07/23/76         | 90                  | 7632            | 55.7         | 113.5        | GGGG                                |                     |                      | 127                   | 33                   |
| 12351E 3845N                            | 2512-01332        | 00000/0000                   | 2-20026/1723                | 06/17/76         | 100                 | 7130            | 59.0         | 110.4        | GGFG                                |                     |                      | 127                   | 33                   |
| 12350E 1251N                            | 2381-01205        | 00000/0000                   | 2-20020/1125                | 02/07/76         | 90                  | 5303            | 41.7         | 125.0        | GGGG                                |                     |                      | 122                   | 51                   |
| 12347E 3849N                            | 2602-01355        | 00000/0000                   | 2-20032/1273                | 09/15/76         | 10                  | 8385            | 44.5         | 133.9        | GGGG                                |                     |                      | 127                   | 33                   |
| 12342E 4606N                            | 2450-01490        | 00000/0000                   | 2-20024/0625                | 04/26/76         | 50                  | 6405            | 49.6         | 134.5        | GGGG                                |                     |                      | 129                   | 28                   |
| 12342E 1141N                            | 2453-01190        | 00000/0000                   | 2-20023/0403                | 04/19/76         | 20                  | 6307            | 54.5         | 87.1         | GGGG                                |                     |                      | 122                   | 52                   |
| 12339E 4605N                            | 2586-01453        | 00000/0000                   | 2-20032/0342                | 08/30/76         | 90                  | 8162            | 44.9         | 135.7        | GGFG                                |                     |                      | 129                   | 28                   |
| 12339E 4601N                            | 2478-01443        | 00000/0000                   | 2-20025/0295                | 05/14/76         | 0                   | 6656            | 54.1         | 130.3        | GGGG                                |                     |                      | 129                   | 28                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 77

LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PAYH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12339E 4553N                            | 2532-01471        | 00000/0000                   | 2-20028/0756                | 07/07/76         | 40                  | 7409            | 55.9         | 122.7        | GGGF                               |                     |                      | 129                   | 28                   |
| 12339E 1139N                            | 2579-01154        | 00000/0000                   | 2-20030/1714                | 08/23/76         | 30                  | 8064            | 52.7         | 86.3         | GGGG                               |                     |                      | 122                   | 52                   |
| 12339E 1135N                            | 2435-01134        | 00000/0000                   | 2-20022/1112                | 04/01/76         | 60                  | 6056            | 52.3         | 97.7         | GGGG                               |                     |                      | 122                   | 52                   |
| 12339E 1127N                            | 2471-01184        | 00000/0000                   | 2-20025/0205                | 05/07/76         | 10                  | 6558            | 54.9         | 77.0         | GGGF                               |                     |                      | 122                   | 52                   |
| 12338E 4602N                            | 2568-01441        | 00000/0000                   | 2-20030/1078                | 08/12/76         | 10                  | 7911            | 49.5         | 129.9        | GGGG                               |                     |                      | 129                   | 28                   |
| 12338E 1133N                            | 2489-01151        | 00000/0000                   | 2-20026/0032                | 05/25/76         | 70                  | 6809            | 54.3         | 70.1         | GGGG                               |                     |                      | 122                   | 52                   |
| 12338E 1133N                            | 2543-01164        | 00000/0000                   | 2-20028/1676                | 07/18/76         | 80                  | 7562            | 51.8         | 70.6         | GGGF                               |                     |                      | 122                   | 52                   |
| 12338E 1133N                            | 2561-01161        | 00000/0000                   | 2-20030/0810                | 08/05/76         | 30                  | 7813            | 52.1         | 77.1         | FGGG                               |                     |                      | 122                   | 52                   |
| 12337E 1137N                            | 2417-01201        | 00000/0000                   | 2-20021/1585                | 03/14/76         | 20                  | 5805            | 49.1         | 107.8        | FGGG                               |                     |                      | 122                   | 52                   |
| 12336E 4602N                            | 2604-01450        | 00000/0000                   | 2-20032/1387                | 09/17/76         | 10                  | 8413            | 39.6         | 141.5        | GGGG                               |                     |                      | 129                   | 28                   |
| 12336E 1132N                            | 2525-01171        | 00000/0000                   | 2-20028/0394                | 06/30/76         | 60                  | 7311            | 52.1         | 66.9         | GGGF                               |                     |                      | 122                   | 52                   |
| 12335E 4556N                            | 2550-01464        | 00000/0000                   | 2-20029/0162                | 07/25/76         | 40                  | 7660            | 53.3         | 125.2        | GGGG                               |                     |                      | 129                   | 28                   |
| 12335E 1132N                            | 2537-01151        | 00000/0000                   | 2-20032/1052                | 09/10/76         | 70                  | 8315            | 53.0         | 97.1         | GGGG                               |                     |                      | 122                   | 52                   |
| 12334E 5721N                            | 2464-02089        | 00000/0000                   | 2-20024/1030                | 04/30/76         | 40                  | 6461            | 43.9         | 147.7        | GGGG                               |                     |                      | 133                   | 20                   |
| 12334E 1133N                            | 2399-01204        | 00000/0000                   | 2-20021/0647                | 02/25/76         | 80                  | 5554            | 45.4         | 116.5        | FGGG                               |                     |                      | 122                   | 52                   |
| 12333E 4552N                            | 2514-01474        | 00000/0000                   | 2-20027/0024                | 06/19/76         | 10                  | 7158            | 57.2         | 122.9        | GGGG                               |                     |                      | 129                   | 28                   |
| 12330E 1125N                            | 2381-01211        | 00000/0000                   | 2-20020/1126                | 02/07/76         | 90                  | 5303            | 42.3         | 123.7        | GGGG                               |                     |                      | 122                   | 52                   |
| 12329E 4148N                            | 2459-01443        | 00000/0000                   | 2-20024/0531                | 04/25/76         | 20                  | 6391            | 51.4         | 129.2        | GGGG                               |                     |                      | 128                   | 31                   |
| 12328E 5713N                            | 2554-02061        | 00000/0000                   | 2-20030/0358                | 07/29/76         | 80                  | 7716            | 46.8         | 141.9        | GGGG                               |                     |                      | 133                   | 20                   |
| 12328E 4858N                            | 2461-01535        | 00000/0000                   | 2-20024/0162                | 04/27/76         | 20                  | 6419            | 48.3         | 137.9        | GGGG                               |                     |                      | 130                   | 26                   |
| 12328E 4152N                            | 2441-01450        | 00000/0000                   | 2-20022/1461                | 04/07/76         | 10                  | 6140            | 45.6         | 133.5        | GGGG                               |                     |                      | 128                   | 31                   |
| 12328E 4144N                            | 2477-01440        | 00000/0000                   | 2-20025/0332                | 05/13/76         | 0                   | 6642            | 55.7         | 123.9        | GGGG                               |                     |                      | 128                   | 31                   |
| 12327E 4145N                            | 2567-01414        | 00000/0000                   | 2-20030/1069                | 08/11/76         | 10                  | 7897            | 51.6         | 123.8        | GGG                                |                     |                      | 128                   | 31                   |
| 12327E 4141N                            | 2531-01424        | 00000/0000                   | 2-20028/0731                | 07/06/76         | 0                   | 7395            | 57.2         | 115.4        | GGGG                               |                     |                      | 128                   | 31                   |
| 12327E 3728N                            | 2476-01394        | 00000/0000                   | 2-20024/1638                | 05/12/76         | 0                   | 6628            | 57.0         | 117.4        | GGGG                               |                     |                      | 127                   | 34                   |
| 12326E 4856N                            | 2443-01542        | 00000/0000                   | 2-20022/1499                | 04/09/76         | 10                  | 6168            | 42.3         | 140.6        | GGGG                               |                     |                      | 130                   | 26                   |
| 12326E 4147N                            | 2585-01411        | 00000/0000                   | 2-20032/0299                | 08/29/76         | 80                  | 8148            | 47.4         | 130.5        | GGGG                               |                     |                      | 128                   | 31                   |
| 12326E 3734N                            | 2440-01434        | 00000/0000                   | 2-20022/1572                | 04/06/76         | 10                  | 6126            | 47.5         | 129.0        | GGGF                               |                     |                      | 127                   | 34                   |
| 12325E 4853N                            | 2569-01510        | 00000/0000                   | 2-20030/1205                | 08/13/76         | 20                  | 7925            | 47.9         | 133.9        | GGGG                               |                     |                      | 130                   | 26                   |
| 12325E 4849N                            | 2479-01532        | 00000/0000                   | 2-20025/0363                | 05/15/76         | 80                  | 6670            | 52.9         | 134.2        | GGGG                               |                     |                      | 130                   | 26                   |
| 12325E 4145N                            | 2603-01404        | 00000/0000                   | 2-20032/1357                | 09/16/76         | 0                   | 8399            | 42.5         | 137.2        | GGGG                               |                     |                      | 128                   | 31                   |
| 12325E 4143N                            | 2549-01421        | 00000/0000                   | 2-20030/0031                | 07/24/76         | 100                 | 7646            | 54.9         | 118.4        | FGFF                               |                     |                      | 128                   | 31                   |
| 12325E 4142N                            | 2423-01454        | 00000/0000                   | 2-20021/1751                | 03/20/76         | 0                   | 5889            | 39.1         | 136.9        | GGGG                               |                     |                      | 128                   | 31                   |
| 12325E 4139N                            | 2495-01434        | 00000/0000                   | 2-20026/0484                | 05/31/76         | 10                  | 6893            | 58.1         | 118.8        | GGGG                               |                     |                      | 128                   | 31                   |
| 12325E 4138N                            | 2513-01431        | 00000/0000                   | 2-20026/1804                | 06/18/76         | 10                  | 7144            | 58.4         | 115.5        | GGGG                               |                     |                      | 128                   | 31                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, '77

LANDSAT-2  
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FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0728

| PRINCIPAL POINT<br>OF IMAGE | LAT   | LONG       | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MSDF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 12324E                      | 3726N | 2692-01325 | 00000/0000        | 2-20037/0877                 | 12/14/76                    | 30               | 9640                | 22.3         | 148.3        | GGFF                  |                     |                      | 127                   | 34                   |
| 12323E                      | 3730N | 2725-01317 | 00000/0000        | 2-20038/1578                 | 01/19/77                    | 30               | 142                 | 22.7         | 143.0        | GGGG                  |                     |                      | 127                   | 34                   |
| 12322E                      | 3724N | 2422-01411 | 00000/0000        | 2-20027/0246                 | 03/19/76                    | 40               | 5875                | 41.2         | 133.3        | FFGG                  |                     |                      | 127                   | 34                   |
| 12322E                      | 1014N | 2453-01193 | 00000/0000        | 2-20023/0404                 | 04/19/76                    | 20               | 6307                | 54.1         | 85.1         | GGGG                  |                     |                      | 122                   | 53                   |
| 12321E                      | 5707N | 2536-02064 | 00000/0000        | 2-20029/0012                 | 07/11/76                    | 30               | 7465                | 50.1         | 140.4        | GGGG                  |                     |                      | 133                   | 20                   |
| 12321E                      | 5703N | 2518-02071 | 00000/0000        | 2-20027/0424                 | 06/23/76                    | 10               | 7214                | 51.7         | 140.8        | FGGG                  |                     |                      | 133                   | 20                   |
| 12321E                      | 4853N | 2537-01509 | 00000/0000        | 2-20037/0225                 | 08/31/76                    | 80               | 8176                | 43.0         | 139.1        | GGGG                  |                     |                      | 130                   | 26                   |
| 12321E                      | 4850N | 2605-01500 | 00000/0000        | 2-20037/0892                 | 09/18/76                    | 90               | 8427                | 37.4         | 144.3        | GGGG                  |                     |                      | 130                   | 26                   |
| 12321E                      | 3721N | 2656-01342 | 00000/0000        | 2-20036/0633                 | 11/08/76                    | 10               | 9138                | 29.6         | 147.8        | GGGF                  |                     |                      | 127                   | 34                   |
| 12320E                      | 4846N | 2551-01513 | 00000/0000        | 2-20030/0038                 | 07/26/76                    | 30               | 7674                | 51.9         | 129.6        | GGGG                  |                     |                      | 130                   | 26                   |
| 12320E                      | 3722N | 2674-01334 | 00000/0000        | 2-20036/1351                 | 11/26/76                    | 50               | 9389                | 25.2         | 148.9        | GGGG                  |                     |                      | 127                   | 34                   |
| 12319E                      | 3720N | 2638-01350 | 00000/0000        | 2-20034/0961                 | 10/21/76                    | 0                | 8887                | 34.8         | 144.5        | GGGG                  |                     |                      | 127                   | 34                   |
| 12318E                      | 4840N | 2515-01522 | 00000/0000        | 2-20027/0142                 | 06/20/76                    | 40               | 7172                | 56.1         | 127.6        | GGGG                  |                     |                      | 130                   | 26                   |
| 12318E                      | 1559N | 2454-01232 | 00000/0000        | 2-20024/0027                 | 04/20/76                    | 10               | 6321                | 55.3         | 92.8         | GGGG                  |                     |                      | 123                   | 49                   |
| 12318E                      | 1012N | 2579-01160 | 00000/0000        | 2-20030/1715                 | 08/23/76                    | 50               | 8064                | 52.4         | 84.4         | GGGG                  |                     |                      | 122                   | 53                   |
| 12318E                      | 1008N | 2435-01200 | 00000/0000        | 2-20027/1113                 | 04/01/76                    | 40               | 6056                | 52.3         | 95.7         | GGGG                  |                     |                      | 122                   | 53                   |
| 12318E                      | 1006N | 2489-01183 | 00000/0000        | 2-20026/0033                 | 05/25/76                    | 50               | 6809                | 53.6         | 68.3         | GGGG                  |                     |                      | 122                   | 53                   |
| 12318E                      | 1006N | 2543-01171 | 00000/0000        | 2-20028/1677                 | 07/18/76                    | 90               | 7562                | 51.1         | 69.0         | GGGG                  |                     |                      | 122                   | 53                   |
| 12318E                      | 1000N | 2471-01190 | 00000/0000        | 2-20025/0206                 | 05/07/76                    | 10               | 6558                | 54.4         | 75.1         | FGGG                  |                     |                      | 122                   | 53                   |
| 12317E                      | 4844N | 2533-01520 | 00000/0000        | 2-20028/0893                 | 07/08/76                    | 60               | 7423                | 54.7         | 127.4        | FGGG                  |                     |                      | 130                   | 26                   |
| 12317E                      | 1557N | 2472-01230 | 00000/0000        | 2-20024/1801                 | 05/08/76                    | 30               | 6572                | 56.4         | 83.0         | GGGG                  |                     |                      | 123                   | 49                   |
| 12317E                      | 1011N | 2417-01204 | 00000/0000        | 2-20021/1586                 | 03/14/76                    | 30               | 5805                | 49.3         | 106.1        | GGGG                  |                     |                      | 122                   | 53                   |
| 12317E                      | 1006N | 2561-01163 | 00000/0000        | 2-20030/0811                 | 08/05/76                    | 30               | 7813                | 51.5         | 75.4         | GGGG                  |                     |                      | 122                   | 53                   |
| 12316E                      | 1556N | 2436-01240 | 00000/0000        | 2-20027/1273                 | 04/02/76                    | 20               | 6070                | 52.4         | 103.0        | GGGG                  |                     |                      | 123                   | 49                   |
| 12315E                      | 1006N | 2525-01174 | 00000/0000        | 2-20028/0395                 | 06/30/76                    | 40               | 7311                | 51.3         | 65.3         | GGGG                  |                     |                      | 122                   | 53                   |
| 12315E                      | 1006N | 2597-01153 | 00000/0000        | 2-20032/1053                 | 09/10/76                    | 50               | 8315                | 52.9         | 95.2         | GGGG                  |                     |                      | 122                   | 53                   |
| 12314E                      | 1554N | 2562-01234 | 00000/0000        | 2-20030/0870                 | 08/06/76                    | 30               | 7827                | 53.6         | 83.3         | GGGG                  |                     |                      | 123                   | 49                   |
| 12314E                      | 1006N | 2399-01211 | 00000/0000        | 2-20021/0648                 | 02/25/76                    | 60               | 5554                | 45.9         | 115.1        | GGGG                  |                     |                      | 122                   | 53                   |
| 12313E                      | 1553N | 2608-01221 | 00000/0000        | 2-20026/1146                 | 06/13/76                    | 10               | 7074                | 55.2         | 72.0         | GGGG                  |                     |                      | 123                   | 49                   |
| 12313E                      | 1551N | 2544-01211 | 00000/0000        | 2-20028/1801                 | 07/19/76                    | 10               | 7576                | 53.7         | 76.2         | GGGG                  |                     |                      | 123                   | 49                   |
| 12312E                      | 1554N | 2526-01214 | 00000/0000        | 2-20028/0463                 | 07/01/76                    | 80               | 7325                | 54.3         | 72.4         | GGGG                  |                     |                      | 123                   | 49                   |
| 12312E                      | 1554N | 2598-01194 | 00000/0000        | 2-20037/1136                 | 09/11/76                    | 80               | 8329                | 52.9         | 103.8        | FG G                  |                     |                      | 123                   | 49                   |
| 12311E                      | 1553N | 2418-01244 | 00000/0000        | 2-20021/1638                 | 03/15/76                    | 20               | 5819                | 48.5         | 112.4        | G                     |                     |                      | 123                   | 49                   |
| 12310E                      | 0958N | 2331-01214 | 00000/0000        | 2-20020/1127                 | 02/07/76                    | 70               | 5303                | 42.9         | 122.5        | GGGG                  |                     |                      | 122                   | 53                   |
| 12309E                      | 1553N | 2400-01251 | 00000/0000        | 2-20021/0680                 | 02/26/76                    | 30               | 5568                | 44.2         | 120.4        | GGFG                  |                     |                      | 123                   | 49                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   |                              |                             |                  |                     |                 |              |              |                                    |                     |                      |                       |                      |
| 12308E                      | 4441N | 2460-01492        | 00000/0000                   | 2-20024/1138                | 04/26/76         | 10                  | 6405            | 50.3         | 132.7        | GGGG                               |                     |                      | 129                   | 29                   |
| 12306E                      | 4436N | 2478-01490        | 00000/0000                   | 2-20025/0296                | 05/14/76         | 0                   | 6656            | 54.7         | 128.2        | GFGG                               |                     |                      | 129                   | 29                   |
| 12306E                      | 4428N | 2532-01473        | 00000/0000                   | 2-20028/0757                | 07/07/76         | 30                  | 7409            | 56.4         | 120.3        | GGGF                               |                     |                      | 129                   | 29                   |
| 12305E                      | 1543N | 2382-01254        | 00000/0000                   | 2-20020/0918                | 02/08/76         | 40                  | 5317            | 40.6         | 127.0        | FFFG                               |                     |                      | 123                   | 49                   |
| 12304E                      | 4439N | 2586-01460        | 00000/0000                   | 2-20032/0343                | 08/30/76         | 80                  | 8162            | 45.7         | 134.2        | GGGG                               |                     |                      | 129                   | 29                   |
| 12304E                      | 4437N | 2568-01463        | 00000/0000                   | 2-20030/1079                | 08/12/76         | 20                  | 7911            | 50.2         | 128.1        | GGGG                               |                     |                      | 129                   | 29                   |
| 12302E                      | 4437N | 2604-01453        | 00000/0000                   | 2-20032/1388                | 09/17/76         | 10                  | 8413            | 40.5         | 140.2        | GGGG                               |                     |                      | 129                   | 29                   |
| 12302E                      | 0847N | 2453-01195        | 00000/0000                   | 2-20023/0405                | 04/19/76         | 20                  | 6307            | 53.7         | 83.1         | FGGG                               |                     |                      | 122                   | 54                   |
| 12301E                      | 4432N | 2550-01470        | 00000/0000                   | 2-20029/0163                | 07/25/76         | 60                  | 7660            | 53.8         | 123.0        | GGGG                               |                     |                      | 129                   | 29                   |
| 12301E                      | 4428N | 2496-01443        | 00000/0000                   | 2-20026/0108                | 06/01/76         | 70                  | 6907            | 57.2         | 123.5        | GGGG                               |                     |                      | 129                   | 29                   |
| 12301E                      | 4426N | 2514-01480        | 00000/0000                   | 2-20027/0025                | 06/19/76         | 10                  | 7158            | 57.6         | 120.5        | GGGG                               |                     |                      | 129                   | 29                   |
| 12259E                      | 4023N | 2459-01450        | 00000/0000                   | 2-20024/0532                | 04/25/76         | 70                  | 6391            | 52.1         | 127.2        | GGGG                               |                     |                      | 128                   | 32                   |
| 12258E                      | 4018N | 2477-01443        | 00000/0000                   | 2-20025/0333                | 05/13/76         | 0                   | 6642            | 56.2         | 121.7        | GGGG                               |                     |                      | 128                   | 32                   |
| 12258E                      | 4016N | 2531-01431        | 00000/0000                   | 2-20028/0732                | 07/06/76         | 0                   | 7395            | 57.6         | 112.9        | GGGG                               |                     |                      | 128                   | 32                   |
| 12258E                      | 0845N | 2579-01163        | 00000/0000                   | 2-20030/1716                | 08/23/76         | 60                  | 8064            | 52.0         | 82.6         | GGGG                               |                     |                      | 122                   | 54                   |
| 12258E                      | 0840N | 2543-01173        | 00000/0000                   | 2-20028/1678                | 07/18/76         | 90                  | 7562            | 50.3         | 67.4         | GGGG                               |                     |                      | 122                   | 54                   |
| 12258E                      | 0833N | 2471-01193        | 00000/0000                   | 2-20025/0207                | 05/07/76         | 30                  | 6558            | 53.7         | 73.2         | GGFG                               |                     |                      | 122                   | 54                   |
| 12257E                      | 4026N | 2441-01453        | 00000/0000                   | 2-20022/1462                | 04/07/76         | 10                  | 6120            | 46.4         | 132.0        | GFGG                               |                     |                      | 128                   | 32                   |
| 12257E                      | 4020N | 2567-01420        | 00000/0000                   | 2-20030/1070                | 08/11/76         | 70                  | 7897            | 52.1         | 121.8        | GGGG                               |                     |                      | 128                   | 32                   |
| 12257E                      | 1433N | 2454-01235        | 00000/0000                   | 2-20024/0028                | 04/20/76         | 20                  | 6321            | 55.1         | 90.7         | GGGG                               |                     |                      | 123                   | 50                   |
| 12257E                      | 0842N | 2435-01203        | 00000/0000                   | 2-20022/1114                | 04/01/76         | 30                  | 6056            | 52.2         | 93.8         | GGGG                               |                     |                      | 122                   | 54                   |
| 12257E                      | 0840N | 2489-01190        | 00000/0000                   | 2-20026/0034                | 05/25/76         | 40                  | 6809            | 52.8         | 66.6         | FGGG                               |                     |                      | 122                   | 54                   |
| 12257E                      | 0840N | 2561-01170        | 00000/0000                   | 2-20030/0812                | 08/05/76         | 20                  | 7813            | 50.9         | 73.7         | GGGG                               |                     |                      | 122                   | 54                   |
| 12256E                      | 4021N | 2585-01413        | 00000/0000                   | 2-20032/0300                | 08/29/76         | 70                  | 8148            | 48.1         | 128.8        | GGGG                               |                     |                      | 128                   | 32                   |
| 12256E                      | 4013N | 2435-01440        | 00000/0000                   | 2-20026/0485                | 05/31/76         | 40                  | 6893            | 58.4         | 116.3        | GGGG                               |                     |                      | 128                   | 32                   |
| 12256E                      | 1430N | 2472-01233        | 00000/0000                   | 2-20024/1802                | 05/08/76         | 30                  | 6572            | 56.0         | 80.9         | FGGG                               |                     |                      | 123                   | 50                   |
| 12256E                      | 0844N | 2417-01210        | 00000/0000                   | 2-20021/1587                | 03/14/76         | 30                  | 5805            | 49.4         | 104.4        | FGGG                               |                     |                      | 122                   | 54                   |
| 12255E                      | 4019N | 2603-01410        | 00000/0000                   | 2-20032/1358                | 09/16/76         | 10                  | 8399            | 43.3         | 135.8        | GGGG                               |                     |                      | 128                   | 32                   |
| 12255E                      | 4018N | 2549-01424        | 00000/0000                   | 2-20030/0032                | 07/24/76         | 100                 | 7646            | 55.3         | 116.1        | FGFF                               |                     |                      | 128                   | 32                   |
| 12255E                      | 4016N | 2423-01460        | 00000/0000                   | 2-20021/1752                | 03/20/76         | 0                   | 5889            | 40.0         | 135.7        | GGGG                               |                     |                      | 123                   | 32                   |
| 12255E                      | 4013N | 2513-01434        | 00000/0000                   | 2-20026/1805                | 06/18/76         | 30                  | 7144            | 58.8         | 113.0        | GGGG                               |                     |                      | 128                   | 32                   |
| 12255E                      | 1429N | 2436-01243        | 00000/0000                   | 2-20022/1274                | 04/02/76         | 40                  | 6070            | 52.5         | 101.0        | GGGG                               |                     |                      | 123                   | 50                   |
| 12255E                      | 0839N | 2525-01130        | 00000/0000                   | 2-20028/0396                | 06/30/76         | 50                  | 7311            | 50.5         | 63.8         | GGGG                               |                     |                      | 122                   | 54                   |
| 12254E                      | 0839N | 2597-01150        | 00000/0000                   | 2-20032/1054                | 09/10/76         | 40                  | 8315            | 52.8         | 93.2         | FFGG                               |                     |                      | 122                   | 54                   |
| 12253E                      | 1428N | 2562-01210        | 00000/0000                   | 2-20030/0871                | 08/06/76         | 30                  | 7827            | 53.1         | 81.3         | GFGG                               |                     |                      | 123                   | 50                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FOR N8N-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | SERVIATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PAYH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|------------------|-----------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                  | RBV                   |                             |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 12253E                      | 1425N            | 2490-01230            | 00000/0000                  | 2-20026/0194     | 05/26/76            | 100             | 6823         | 55.6         | 73.6                  | GGGG                |                      | 123                   | 50                   |
| 12253E                      | 1424N            | 2544-01213            | 00000/0000                  | 2-20028/1802     | 07/15/76            | 20              | 7576         | 53.1         | 74.4                  | GGGG                |                      | 123                   | 50                   |
| 12253E                      | 0840N            | 2399-01213            | 00000/0000                  | 2-20021/0649     | 02/25/76            | 30              | 5554         | 46.2         | 113.6                 | GGGG                |                      | 122                   | 54                   |
| 12252E                      | 1426N            | 2508-01222            | 00000/0000                  | 2-20026/1147     | 06/13/76            | 10              | 7074         | 54.5         | 70.1                  | GGGG                |                      | 123                   | 50                   |
| 12251E                      | 4733N            | 2461-01542            | 00000/0000                  | 2-20024/0163     | 04/27/76            | 10              | 6419         | 49.1         | 136.1                 | GGGG                |                      | 130                   | 27                   |
| 12251E                      | 1427N            | 2418-01250            | 00000/0000                  | 2-20021/1639     | 03/15/76            | 20              | 5819         | 48.8         | 110.7                 | FFFF                |                      | 123                   | 50                   |
| 12251E                      | 1427N            | 2526-01220            | 00000/0000                  | 2-20028/0464     | 07/01/76            | 70              | 7325         | 53.6         | 70.5                  | GGGG                |                      | 123                   | 50                   |
| 12251E                      | 1427N            | 2598-01200            | 00000/0000                  | 2-20032/1137     | 09/11/76            | 20              | 8329         | 53.0         | 101.8                 | FFFF                |                      | 123                   | 50                   |
| 12250E                      | 4731N            | 2443-01545            | 00000/0000                  | 2-20022/1574     | 04/09/76            | 10              | 6168         | 43.1         | 139.2                 | GGGF                |                      | 130                   | 27                   |
| 12249E                      | 1427N            | 2400-01254            | 00000/0000                  | 2-20021/0681     | 02/26/76            | 30              | 5568         | 44.7         | 119.0                 | GGGG                |                      | 123                   | 50                   |
| 12249E                      | 0832N            | 2381-01220            | 00000/0000                  | 2-20020/1128     | 02/07/76            | 20              | 5303         | 43.5         | 121.2                 | GGGG                |                      | 122                   | 54                   |
| 12248E                      | 4729N            | 2569-01512            | 00000/0000                  | 2-20030/1206     | 08/13/76            | 10              | 7925         | 48.6         | 132.1                 | GGGG                |                      | 130                   | 27                   |
| 12248E                      | 4724N            | 2479-01535            | 00000/0000                  | 2-20025/0364     | 05/15/76            | 90              | 6670         | 53.6         | 132.1                 | GGGG                |                      | 130                   | 27                   |
| 12245E                      | 4728N            | 2587-01505            | 00000/0000                  | 2-20032/0226     | 08/31/76            | 70              | 8176         | 43.8         | 137.6                 | GGGG                |                      | 130                   | 27                   |
| 12244E                      | 4726N            | 2605-01502            | 00000/0000                  | 2-20032/0893     | 09/18/76            | 90              | 8427         | 38.3         | 143.1                 | GGGG                |                      | 130                   | 27                   |
| 12244E                      | 4722N            | 2551-01520            | 00000/0000                  | 2-20030/0039     | 07/26/76            | 60              | 7674         | 52.5         | 127.5                 | GGGG                |                      | 130                   | 27                   |
| 12244E                      | 1416N            | 2382-01261            | 00000/0000                  | 2-20020/0919     | 02/08/76            | 50              | 5317         | 41.3         | 125.8                 | GGGG                |                      | 123                   | 50                   |
| 12243E                      | 3300S            | 2518-00501            | 00000/0000                  | 2-20027/0423     | 06/23/76            | 90              | 7213         | 19.0         | 43.5                  | GGGG                |                      | 115                   | 83                   |
| 12241E                      | 5022N            | 2462-01591            | 00000/0000                  | 2-20024/0833     | 04/28/76            | 40              | 6433         | 47.7         | 139.4                 | GGGG                |                      | 131                   | 25                   |
| 12241E                      | 4720N            | 2533-01523            | 00000/0000                  | 2-20028/0894     | 07/08/76            | 10              | 7423         | 55.3         | 125.1                 | GGGG                |                      | 130                   | 27                   |
| 12241E                      | 4715N            | 2515-01530            | 00000/0000                  | 2-20027/0143     | 06/20/76            | 20              | 7172         | 56.6         | 125.2                 | GGGG                |                      | 130                   | 27                   |
| 12241E                      | 0720N            | 2453-01202            | 00000/0000                  | 2-20023/0406     | 04/19/76            | 20              | 6307         | 53.3         | 81.2                  | GGGG                |                      | 122                   | 55                   |
| 12239E                      | 5019N            | 2444-01594            | 00000/0000                  | 2-20022/1636     | 04/10/76            | 30              | 6182         | 41.8         | 141.9                 | GGGG                |                      | 131                   | 25                   |
| 12239E                      | 3258S            | 2626-00470            | 00000/0000                  | 2-20034/0475     | 10/09/76            | 50              | 8719         | 42.5         | 65.3                  | GGGG                |                      | 115                   | 83                   |
| 12239E                      | 3301S            | 2662-00454            | 00000/0000                  | 2-20034/0933     | 11/14/76            | 60              | 9221         | 49.7         | 79.1                  | GGGG                |                      | 115                   | 83                   |
| 12238E                      | 0718N            | 2579-01165            | 00000/0000                  | 2-20030/1717     | 08/23/76            | 60              | 8064         | 51.6         | 80.8                  | GGGG                |                      | 122                   | 55                   |
| 12238E                      | 3257S            | 2644-00462            | 00000/0000                  | 2-20035/0011     | 10/27/76            | 50              | 8970         | 47.0         | 71.9                  | GGGG                |                      | 115                   | 83                   |
| 12237E                      | 0715N            | 2435-01205            | 00000/0000                  | 2-20027/1115     | 04/01/76            | 40              | 6086         | 52.0         | 91.9                  | GGGG                |                      | 122                   | 55                   |
| 12237E                      | 0714N            | 2543-01180            | 00000/0000                  | 2-20028/1679     | 07/18/76            | 80              | 7562         | 49.5         | 65.9                  | GGGG                |                      | 122                   | 55                   |
| 12237E                      | 0713N            | 2489-01192            | 00000/0000                  | 2-20026/0035     | 05/25/76            | 30              | 6809         | 52.0         | 65.0                  | GGGG                |                      | 122                   | 55                   |
| 12237E                      | 0713N            | 2561-01172            | 00000/0000                  | 2-20030/0813     | 08/05/76            | 50              | 7813         | 50.3         | 72.1                  | GGGG                |                      | 122                   | 55                   |
| 12237E                      | 0706N            | 2471-01195            | 00000/0000                  | 2-20025/0208     | 05/07/76            | 40              | 6558         | 53.1         | 71.4                  | GGGF                |                      | 122                   | 55                   |
| 12236E                      | 5022N            | 2588-01554            | 00000/0000                  | 2-20032/0427     | 09/01/76            | 10              | 8190         | 41.8         | 140.9                 | GGGG                |                      | 131                   | 25                   |
| 12236E                      | 1306N            | 2454-01242            | 00000/0000                  | 2-20024/0029     | 04/20/76            | 30              | 6321         | 54.8         | 88.6                  | GGGG                |                      | 123                   | 51                   |
| 12236E                      | 3307S            | 2650-00450            | 00000/0000                  | 2-20036/0706     | 12/02/76            | 10              | 9472         | 50.2         | 85.0                  | GGGG                |                      | 115                   | 83                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL |      | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------|------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   |                              |                             |                  |                     |                 |              |              | RBV        | MSS  |                     |                      |                       |                      |
| 12235E                      | 5016N | 2570-01562        | 00000/0000                   | 2-20030/1234                | 08/14/76         | 20                  | 7939            | 46.9         | 135.9        |            | GGGG |                     |                      | 131                   | 25                   |
| 12235E                      | 5013N | 2480-01584        | 00000/0000                   | 2-20025/0554                | 05/16/76         | 10                  | 6684            | 52.3         | 136.0        |            | GGGG |                     |                      | 131                   | 25                   |
| 12235E                      | 5010N | 2552-01565        | 00000/0000                   | 2-20030/0181                | 07/27/76         | 20                  | 7688            | 51.1         | 131.8        |            | GGGG |                     |                      | 131                   | 25                   |
| 12235E                      | 1303N | 2436-01245        | 00000/0000                   | 2-20022/1275                | 04/02/76         | 30                  | 6070            | 52.5         | 99.1         |            | GGGG |                     |                      | 123                   | 51                   |
| 12235E                      | 1303N | 2472-01235        | 00000/0000                   | 2-20024/1803                | 05/08/76         | 20                  | 6572            | 55.5         | 78.8         |            | FGGG |                     |                      | 123                   | 51                   |
| 12235E                      | 0717N | 2417-01213        | 00000/0000                   | 2-20021/1588                | 03/14/76         | 10                  | 5805            | 49.6         | 102.6        |            | GGGG |                     |                      | 122                   | 55                   |
| 12235E                      | 0712N | 2525-01183        | 00000/0000                   | 2-20028/0397                | 06/30/76         | 50                  | 7311            | 49.7         | 62.4         |            | GGGG |                     |                      | 122                   | 55                   |
| 12234E                      | 0712N | 2597-01162        | 00000/0000                   | 2-20032/1055                | 09/10/76         | 30                  | 8315            | 52.6         | 91.3         |            | GGGG |                     |                      | 122                   | 55                   |
| 12233E                      | 4311N | 2478-01492        | 00000/0000                   | 2-20025/0297                | 05/14/76         | 10                  | 6656            | 55.3         | 126.0        |            | GGGG |                     |                      | 129                   | 30                   |
| 12233E                      | 4303N | 2532-01480        | 00000/0000                   | 2-20028/0758                | 07/07/76         | 30                  | 7409            | 56.8         | 117.9        |            | GGGG |                     |                      | 129                   | 30                   |
| 12233E                      | 1301N | 2562-01213        | 00000/0000                   | 2-20030/0872                | 08/06/76         | 30                  | 7827            | 52.7         | 79.4         |            | GGGG |                     |                      | 123                   | 51                   |
| 12233E                      | 0714N | 2399-01220        | 00000/0000                   | 2-20021/0650                | 02/25/76         | 50                  | 5554            | 46.6         | 112.0        |            | FGFG |                     |                      | 122                   | 55                   |
| 12232E                      | 5012N | 2606-01552        | 00000/0000                   | 2-20032/1457                | 09/19/76         | 40                  | 8441            | 36.1         | 145.8        |            | GGGG |                     |                      | 131                   | 25                   |
| 12232E                      | 4314N | 2586-01462        | 00000/0000                   | 2-20032/0344                | 08/30/76         | 60                  | 8162            | 46.4         | 132.6        |            | GGGG |                     |                      | 129                   | 30                   |
| 12232E                      | 4312N | 2568-01470        | 00000/0000                   | 2-20030/1080                | 08/12/76         | 40                  | 7911            | 50.8         | 126.2        |            | GGGG |                     |                      | 129                   | 30                   |
| 12232E                      | 1259N | 2508-01230        | 00000/0000                   | 2-20026/1148                | 06/13/76         | 10                  | 7074            | 53.8         | 68.3         |            | GGGG |                     |                      | 123                   | 51                   |
| 12232E                      | 1258N | 2490-01232        | 00000/0000                   | 2-20026/0195                | 05/26/76         | 100                 | 6823            | 54.9         | 71.7         |            | GGGG |                     |                      | 123                   | 51                   |
| 12232E                      | 1257N | 2544-01220        | 00000/0000                   | 2-20028/1803                | 07/19/76         | 70                  | 7576            | 52.5         | 72.6         |            | GGGG |                     |                      | 123                   | 51                   |
| 12231E                      | 5008N | 2534-01572        | 00000/0000                   | 2-20028/1565                | 07/09/76         | 10                  | 7437            | 54.0         | 129.6        |            | GGGG |                     |                      | 131                   | 25                   |
| 12231E                      | 1300N | 2526-01223        | 00000/0000                   | 2-20028/0465                | 07/01/76         | 60                  | 7325            | 52.9         | 68.8         |            | GGGG |                     |                      | 123                   | 51                   |
| 12230E                      | 5003N | 2516-01575        | 00000/0000                   | 2-20027/0105                | 06/21/76         | 60                  | 7186            | 55.4         | 129.8        |            | GGGG |                     |                      | 131                   | 25                   |
| 12230E                      | 4312N | 2604-01455        | 00000/0000                   | 2-20032/1389                | 09/17/76         | 30                  | 8412            | 41.3         | 138.9        |            | FGGG |                     |                      | 129                   | 30                   |
| 12230E                      | 4308N | 2424-01510        | 00000/0000                   | 2-20022/0343                | 03/21/76         | 10                  | 5903            | 38.7         | 138.0        |            | GGGG |                     |                      | 129                   | 30                   |
| 12230E                      | 3857N | 2459-01452        | 00000/0000                   | 2-20024/0533                | 04/25/76         | 50                  | 6391            | 52.7         | 125.3        |            | GGGG |                     |                      | 128                   | 33                   |
| 12230E                      | 1301N | 2418-01253        | 00000/0000                   | 2-20021/1640                | 03/15/76         | 10                  | 5819            | 49.1         | 109.0        |            | FFFG |                     |                      | 123                   | 51                   |
| 12230E                      | 1301N | 2598-01203        | 00000/0000                   | 2-20032/1138                | 09/11/76         | 30                  | 8329            | 53.0         | 99.8         |            | GGGG |                     |                      | 123                   | 51                   |
| 12229E                      | 4307N | 2550-01473        | 00000/0000                   | 2-20029/0164                | 07/25/76         | 90                  | 7660            | 54.3         | 120.8        |            | GGGG |                     |                      | 129                   | 30                   |
| 12229E                      | 4303N | 2496-01490        | 00000/0000                   | 2-20026/0109                | 06/01/76         | 60                  | 6907            | 57.7         | 121.0        |            | GGGG |                     |                      | 129                   | 30                   |
| 12229E                      | 3853N | 2477-01445        | 00000/0000                   | 2-20025/0334                | 05/13/76         | 10                  | 6642            | 56.7         | 119.3        |            | FFFG |                     |                      | 128                   | 33                   |
| 12229E                      | 3850N | 2531-01433        | 00000/0000                   | 2-20028/0733                | 07/06/76         | 0                   | 7395            | 57.8         | 110.4        |            | GGGG |                     |                      | 128                   | 33                   |
| 12229E                      | 0705N | 2381-01223        | 00000/0000                   | 2-20020/1129                | 02/07/76         | 10                  | 5303            | 44.0         | 119.8        |            | FFFG |                     |                      | 122                   | 55                   |
| 12228E                      | 3900N | 2441-01455        | 00000/0000                   | 2-20022/1463                | 04/07/76         | 10                  | 6140            | 47.1         | 130.4        |            | FFGG |                     |                      | 128                   | 33                   |
| 12228E                      | 1301N | 2400-01260        | 00000/0000                   | 2-20021/0682                | 02/26/76         | 20                  | 5568            | 45.2         | 117.6        |            | GGGG |                     |                      | 123                   | 51                   |
| 12227E                      | 3856N | 2585-01420        | 00000/0000                   | 2-20032/0301                | 08/29/76         | 90                  | 8148            | 48.7         | 127.1        |            | GGGG |                     |                      | 128                   | 33                   |
| 12227E                      | 3855N | 2567-01423        | 00000/0000                   | 2-20030/1071                | 08/11/76         | 90                  | 7897            | 52.6         | 119.8        |            | GGGG |                     |                      | 128                   | 33                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12227E 3848N                            | 2495-01443        | 00000/0000                   | 2-20026/1486                | 05/31/76         | 60                  | 6893            | 58.8         | 113.7        | FGGG                               |                     |                      | 128                   | 33                   |
| 12226E 3847N                            | 2513-01440        | 00000/0000                   | 2-20026/1806                | 06/18/76         | 70                  | 7144            | 59.0         | 110.3        | GGGG                               |                     |                      | 128                   | 33                   |
| 12225E 3853N                            | 2603-01413        | 00000/0000                   | 2-20032/1359                | 09/16/76         | 10                  | 8399            | 44.1         | 134.4        | FGGG                               |                     |                      | 128                   | 33                   |
| 12225E 3851N                            | 2423-01463        | 00000/0000                   | 2-20021/1753                | 03/20/76         | 10                  | 5889            | 40.8         | 134.4        | FGGG                               |                     |                      | 128                   | 33                   |
| 12223E 1250N                            | 2382-01263        | 00000/0000                   | 2-20020/0920                | 02/08/76         | 40                  | 5317            | 41.9         | 124.6        | GFGF                               |                     |                      | 123                   | 51                   |
| 12216E 4608N                            | 2461-01544        | 00000/0000                   | 2-20024/0164                | 04/27/76         | 0                   | 6419            | 49.8         | 134.3        | GGGG                               |                     |                      | 130                   | 28                   |
| 12216E 1139N                            | 2454-01244        | 00000/0000                   | 2-20024/0030                | 04/20/76         | 40                  | 6321            | 54.5         | 86.5         | GGGG                               |                     |                      | 123                   | 52                   |
| 12214E 4606N                            | 2443-01551        | 00000/0000                   | 2-20022/1575                | 04/09/76         | 10                  | 6168            | 44.0         | 137.7        | GGGG                               |                     |                      | 130                   | 28                   |
| 12214E 4604N                            | 2569-01515        | 00000/0000                   | 2-20030/1207                | 08/13/76         | 10                  | 7925            | 49.3         | 130.3        | GGGG                               |                     |                      | 130                   | 28                   |
| 12214E 4559N                            | 2479-01541        | 00000/0000                   | 2-20025/0365                | 05/15/76         | 90                  | 6670            | 54.3         | 130.0        | GGGG                               |                     |                      | 130                   | 28                   |
| 12214E 1137N                            | 2436-01252        | 00000/0000                   | 2-20022/1276                | 04/02/76         | 40                  | 6070            | 52.5         | 97.1         | GGGG                               |                     |                      | 123                   | 52                   |
| 12214E 1136N                            | 2472-01242        | 00000/0000                   | 2-20024/1804                | 05/08/76         | 30                  | 6572            | 55.0         | 76.8         | FGGG                               |                     |                      | 123                   | 52                   |
| 12212E 1135N                            | 2562-01215        | 00000/0000                   | 2-20030/0873                | 08/06/76         | 40                  | 7827            | 52.1         | 77.6         | GGGG                               |                     |                      | 123                   | 52                   |
| 12212E 1134N                            | 2508-01232        | 00000/0000                   | 2-20026/1149                | 06/13/76         | 10                  | 7074            | 53.1         | 66.6         | GGGG                               |                     |                      | 123                   | 52                   |
| 12212E 1131N                            | 2544-01222        | 00000/0000                   | 2-20028/1804                | 07/19/76         | 90                  | 7576            | 51.8         | 70.8         | GGGG                               |                     |                      | 123                   | 52                   |
| 12211E 1134N                            | 2526-01225        | 00000/0000                   | 2-20028/0466                | 07/01/76         | 60                  | 7325            | 52.1         | 67.1         | GGGG                               |                     |                      | 123                   | 52                   |
| 12211E 1132N                            | 2490-01235        | 00000/0000                   | 2-20026/0196                | 05/26/76         | 90                  | 6823            | 54.2         | 69.8         | GGGG                               |                     |                      | 123                   | 52                   |
| 12210E 4603N                            | 2527-01512        | 00000/0000                   | 2-20032/0227                | 08/31/76         | 60                  | 8176            | 44.6         | 136.0        | GGGG                               |                     |                      | 130                   | 28                   |
| 12210E 1134N                            | 2598-01205        | 00000/0000                   | 2-20032/1139                | 09/11/76         | 40                  | 8329            | 53.0         | 97.8         | GGGG                               |                     |                      | 123                   | 52                   |
| 12209E 4600N                            | 2605-01505        | 00000/0000                   | 2-20032/0894                | 09/18/76         | 70                  | 8427            | 39.3         | 141.8        | GGGG                               |                     |                      | 130                   | 28                   |
| 12209E 4557N                            | 2551-01522        | 00000/0000                   | 2-20030/0040                | 07/26/76         | 50                  | 7674            | 53.1         | 125.4        | GGGG                               |                     |                      | 130                   | 28                   |
| 12209E 1135N                            | 2418-01255        | 00000/0000                   | 2-20021/1641                | 03/15/76         | 20                  | 5819            | 49.3         | 107.2        | GGGG                               |                     |                      | 123                   | 52                   |
| 12208E 1135N                            | 2400-01264        | 00000/0000                   | 2-20021/0683                | 02/26/76         | 30                  | 5568            | 45.6         | 116.1        | GGFF                               |                     |                      | 123                   | 52                   |
| 12207E 4555N                            | 2533-01525        | 00000/0000                   | 2-20028/0895                | 07/08/76         | 50                  | 7423            | 55.8         | 122.8        | GGGG                               |                     |                      | 130                   | 28                   |
| 12206E 4551N                            | 2515-01532        | 00000/0000                   | 2-20027/0144                | 06/20/76         | 10                  | 7172            | 57.2         | 122.8        | GGGG                               |                     |                      | 130                   | 28                   |
| 12204E 4150N                            | 2460-01501        | 00000/0000                   | 2-20024/1133                | 04/26/76         | 30                  | 6405            | 51.7         | 128.9        | FFFF                               |                     |                      | 129                   | 31                   |
| 12203E 1124N                            | 2382-01270        | 00000/0000                   | 2-20020/0921                | 02/08/76         | 70                  | 5317            | 42.5         | 123.4        | GFFF                               |                     |                      | 123                   | 52                   |
| 12202E 4857N                            | 2462-01593        | 00000/0000                   | 2-20024/0834                | 04/28/76         | 40                  | 6433            | 48.6         | 137.7        | GGGG                               |                     |                      | 131                   | 26                   |
| 12202E 4146N                            | 2478-01495        | 00000/0000                   | 2-20025/0298                | 05/14/76         | 0                   | 6656            | 55.9         | 123.7        | GGGG                               |                     |                      | 129                   | 31                   |
| 12202E 4138N                            | 2532-01482        | 00000/0000                   | 2-20028/0759                | 07/07/76         | 20                  | 7409            | 57.1         | 115.4        | GGGG                               |                     |                      | 129                   | 31                   |
| 12201E 4854N                            | 2444-02001        | 00000/0000                   | 2-20022/1637                | 04/10/76         | 50                  | 6182            | 42.7         | 140.5        | GGGG                               |                     |                      | 131                   | 26                   |
| 12201E 4148N                            | 2536-01465        | 00000/0000                   | 2-20032/0345                | 08/30/76         | 50                  | 8162            | 47.1         | 130.9        | GGGG                               |                     |                      | 129                   | 31                   |
| 12201E 4146N                            | 2558-01472        | 00000/0000                   | 2-20030/1081                | 08/12/76         | 90                  | 7911            | 51.3         | 124.2        | GGGG                               |                     |                      | 129                   | 31                   |
| 12200E 3735N                            | 2441-01462        | 00000/0000                   | 2-20022/1464                | 04/07/76         | 20                  | 6140            | 47.8         | 128.7        | GGGG                               |                     |                      | 128                   | 34                   |
| 12159E 4143N                            | 2424-01512        | 00000/0000                   | 2-20022/0344                | 03/21/76         | 40                  | 5903            | 39.5         | 136.8        | GGG                                |                     |                      | 129                   | 31                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12159E 4138N                            | 2496-01492        | 00000/0000                   | 2-20026/0110               | 06/01/76         | 20                  | 6907            | 58.1         | 118.6        | GGGG                               |                     |                      | 129                   | 31                   |
| 12159E 3734N                            | 2711-01375        | 00000/0000                   | 2-20038/0465               | 01/02/77         | 60                  | 9905            | 21.4         | 146.0        | GGG                                |                     |                      | 128                   | 34                   |
| 12159E 3728N                            | 2693-01383        | 00000/0000                   | 2-20037/0531               | 12/15/76         | 70                  | 9654            | 22.1         | 148.2        | GGGG                               |                     |                      | 128                   | 34                   |
| 12158E 4146N                            | 2604-01462        | 00000/0000                   | 2-20032/1390               | 09/17/76         | 60                  | 8413            | 42.2         | 137.6        | GGGG                               |                     |                      | 129                   | 31                   |
| 12158E 4137N                            | 2514-01485        | 00000/0000                   | 2-20026/1892               | 06/19/76         | 90                  | 7158            | 58.4         | 115.4        | GGGG                               |                     |                      | 129                   | 31                   |
| 12157E 4857N                            | 2588-01561        | 00000/0000                   | 2-20032/0428               | 09/01/76         | 10                  | 8190            | 42.7         | 139.4        | GGGG                               |                     |                      | 131                   | 26                   |
| 12157E 4141N                            | 2550-01475        | 00000/0000                   | 2-20029/0165               | 07/25/76         | 90                  | 7660            | 54.7         | 118.6        | GGGG                               |                     |                      | 129                   | 31                   |
| 12157E 3725N                            | 2423-01465        | 00000/0000                   | 2-20021/1754               | 03/20/76         | 10                  | 5889            | 41.5         | 133.1        | GGGG                               |                     |                      | 128                   | 34                   |
| 12157E 3721N                            | 2657-01400        | 00000/0000                   | 2-20036/0074               | 11/09/76         | 80                  | 9152            | 29.3         | 147.9        | GGGG                               |                     |                      | 128                   | 34                   |
| 12156E 4852N                            | 2570-01564        | 00000/0000                   | 2-20030/1235               | 08/14/76         | 20                  | 7939            | 47.6         | 134.1        | GGGG                               |                     |                      | 131                   | 26                   |
| 12156E 4848N                            | 2480-01591        | 00000/0000                   | 2-20025/0555               | 05/16/76         | 10                  | 6684            | 53.1         | 134.0        | GGGG                               |                     |                      | 131                   | 26                   |
| 12156E 4846N                            | 2552-01571        | 00000/0000                   | 2-20030/0182               | 07/27/76         | 20                  | 7688            | 51.7         | 129.8        | GGGG                               |                     |                      | 131                   | 26                   |
| 12156E 3730N                            | 2723-01371        | 00000/0000                   | 2-20038/1522               | 01/20/77         | 40                  | 156             | 22.9         | 142.8        | GGGG                               |                     |                      | 128                   | 34                   |
| 12156E 1013N                            | 2454-01251        | 00000/0000                   | 2-20024/0031               | 04/20/76         | 20                  | 6321            | 54.2         | 84.4         | GGGG                               |                     |                      | 123                   | 53                   |
| 12155E 4844N                            | 2498-01584        | 00000/0000                   | 2-20026/0664               | 06/03/76         | 10                  | 6935            | 55.6         | 130.2        | FGGG                               |                     |                      | 131                   | 26                   |
| 12154E 1010N                            | 2472-01244        | 00000/0000                   | 2-20024/1805               | 05/08/76         | 20                  | 6572            | 54.4         | 74.8         | FGGG                               |                     |                      | 123                   | 53                   |
| 12153E 4842N                            | 2534-01574        | 00000/0000                   | 2-20028/1566               | 07/09/76         | 80                  | 7437            | 54.6         | 127.4        | GGGG                               |                     |                      | 131                   | 26                   |
| 12153E 3723N                            | 2675-01392        | 00000/0000                   | 2-20036/1363               | 11/27/76         | 50                  | 9403            | 25.0         | 149.0        | GGGG                               |                     |                      | 128                   | 34                   |
| 12153E 3720N                            | 2639-01404        | 00000/0000                   | 2-20034/0944               | 10/22/76         | 50                  | 8901            | 34.5         | 144.7        | GGGG                               |                     |                      | 128                   | 34                   |
| 12153E 1010N                            | 2436-01254        | 00000/0000                   | 2-20022/1277               | 04/02/76         | 10                  | 6070            | 52.4         | 95.2         | GGGG                               |                     |                      | 123                   | 53                   |
| 12152E 1600N                            | 2455-01291        | 00000/0000                   | 2-20024/0209               | 04/21/76         | 10                  | 6335            | 55.4         | 92.3         | GGGG                               |                     |                      | 124                   | 49                   |
| 12152E 1008N                            | 2562-01222        | 00000/0000                   | 2-20030/0874               | 08/06/76         | 40                  | 7827            | 51.6         | 75.8         | GGGG                               |                     |                      | 123                   | 53                   |
| 12152E 1007N                            | 2508-01235        | 00000/0000                   | 2-20026/1150               | 06/13/76         | 10                  | 7074            | 52.2         | 64.9         | GFGG                               |                     |                      | 123                   | 53                   |
| 12151E 4839N                            | 2516-01582        | 00000/0000                   | 2-20027/0106               | 06/21/76         | 70                  | 7186            | 56.0         | 127.5        | GGGG                               |                     |                      | 131                   | 26                   |
| 12151E 3721N                            | 2621-01412        | 00000/0000                   | 2-20034/0415               | 10/04/76         | 10                  | 8650            | 39.9         | 139.6        | GGFF                               |                     |                      | 128                   | 34                   |
| 12151E 1554N                            | 2473-01234        | 00000/0000                   | 2-20025/0055               | 05/09/76         | 80                  | 6586            | 56.5         | 82.5         | FFPF                               |                     |                      | 124                   | 49                   |
| 12151E 1009N                            | 2526-01232        | 00000/0000                   | 2-20028/0467               | 07/01/76         | 50                  | 7325            | 51.3         | 65.5         | GGGF                               |                     |                      | 123                   | 53                   |
| 12151E 1005N                            | 2490-01241        | 00000/0000                   | 2-20026/0197               | 05/26/76         | 80                  | 6823            | 53.5         | 68.0         | GGGG                               |                     |                      | 123                   | 53                   |
| 12150E 1559N                            | 2581-01255        | 00000/0000                   | 2-20030/1830               | 08/25/76         | 60                  | 8092            | 53.5         | 93.4         | GGGG                               |                     |                      | 124                   | 49                   |
| 12149E 1557N                            | 2437-01295        | 00000/0000                   | 2-20022/1186               | 04/03/76         | 10                  | 6084            | 52.6         | 102.5        | GGGG                               |                     |                      | 124                   | 49                   |
| 12149E 1556N                            | 2563-01262        | 00000/0000                   | 2-20030/0896               | 08/07/76         | 40                  | 7841            | 53.6         | 83.8         | GGGG                               |                     |                      | 124                   | 49                   |
| 12149E 1308N                            | 2418-01262        | 00000/0000                   | 2-20021/1642               | 03/15/76         | 20                  | 5819            | 49.5         | 105.5        | GFGG                               |                     |                      | 123                   | 53                   |
| 12149E 1007N                            | 2598-01212        | 00000/0000                   | 2-20032/1140               | 09/11/76         | 20                  | 8329            | 52.9         | 95.8         | GGGG                               |                     |                      | 123                   | 53                   |
| 12147E 1552N                            | 2527-01272        | 00000/0000                   | 2-20028/0518               | 07/02/76         | 20                  | 7339            | 54.2         | 72.4         | GGGG                               |                     |                      | 124                   | 49                   |
| 12147E 1552N                            | 2545-01265        | 00000/0000                   | 2-20028/1779               | 07/20/76         | 50                  | 7590            | 53.7         | 76.6         | GFGG                               |                     |                      | 124                   | 49                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12147E                      | 1551N | 2491-01282        | 00000/0000                   | 2-20024/0214                | 05/27/76         | 90                  | 6837            | 56.2         | 75.3         | GGGG                               |                     |                      | 124                   | 49                   |
| 12147E                      | 1550N | 2490-01265        | 00000/0000                   | 2-20021/0634                | 02/26/76         | 40                  | 5568            | 46.0         | 114.6        | PGGF                               |                     |                      | 123                   | 53                   |
| 12146E                      | 1554N | 2419-01302        | 00000/0000                   | 2-20022/0123                | 03/16/76         | 50                  | 5833            | 48.7         | 111.9        | GGGG                               |                     |                      | 124                   | 49                   |
| 12146E                      | 1552N | 2599-01252        | 00000/0000                   | 2-20032/1182                | 09/12/76         | 90                  | 8343            | 52.8         | 104.4        | GGGG                               |                     |                      | 124                   | 49                   |
| 12146E                      | 1550N | 2509-01275        | 00000/0000                   | 2-20026/1468                | 06/14/76         | 20                  | 7088            | 55.2         | 71.9         | FFGG                               |                     |                      | 124                   | 49                   |
| 12143E                      | 1551N | 2401-01305        | 00000/0000                   | 2-20021/0740                | 02/27/76         | 20                  | 5582            | 44.5         | 120.0        | GGGG                               |                     |                      | 124                   | 49                   |
| 12143E                      | 0955N | 2382-01272        | 00000/0000                   | 2-20020/0922                | 02/08/76         | 80                  | 5317            | 43.1         | 122.1        | FFFF                               |                     |                      | 123                   | 53                   |
| 12143E                      | 3133S | 2519-00553        | 00000/0000                   | 2-20027/0357                | 06/24/76         | 60                  | 7227            | 20.2         | 43.7         | F GG                               |                     |                      | 116                   | 82                   |
| 12142E                      | 4443N | 2461-01551        | 00000/0000                   | 2-20024/0155                | 04/27/76         | 0                   | 6419            | 50.6         | 132.5        | GGGG                               |                     |                      | 130                   | 29                   |
| 12142E                      | 3148N | 2458-01414        | 00000/0000                   | 2-20024/0383                | 04/24/76         | 10                  | 6377            | 54.8         | 115.2        | FFFG                               |                     |                      | 127                   | 38                   |
| 12142E                      | 3144N | 2476-01412        | 00000/0000                   | 2-20024/1639                | 05/12/76         | 20                  | 6628            | 58.1         | 107.6        | GGGG                               |                     |                      | 127                   | 38                   |
| 12142E                      | 1551N | 2365-01314        | 00000/0000                   | 2-20019/0168                | 01/22/76         | 80                  | 5080            | 38.2         | 132.4        | GGGG                               |                     |                      | 124                   | 49                   |
| 12141E                      | 3138S | 2537-00550        | 00000/0000                   | 2-20028/1136                | 07/12/76         | 60                  | 7478            | 20.7         | 45.4         | FFGF                               |                     |                      | 116                   | 82                   |
| 12140E                      | 4441N | 2443-01554        | 00000/0000                   | 2-20022/1576                | 04/09/76         | 10                  | 6168            | 44.8         | 136.2        | GGGG                               |                     |                      | 130                   | 29                   |
| 12140E                      | 4439N | 2569-01521        | 00000/0000                   | 2-20030/1208                | 08/13/76         | 20                  | 7925            | 49.9         | 128.4        | GGGG                               |                     |                      | 130                   | 29                   |
| 12140E                      | 4434N | 2479-01544        | 00000/0000                   | 2-20025/0366                | 05/15/76         | 90                  | 6670            | 54.9         | 127.9        | GGGG                               |                     |                      | 130                   | 29                   |
| 12140E                      | 3149N | 2440-01422        | 00000/0000                   | 2-20022/1573                | 04/06/76         | 30                  | 6126            | 49.9         | 122.2        | FGFG                               |                     |                      | 127                   | 38                   |
| 12140E                      | 1539N | 2383-01312        | 00000/0000                   | 2-20020/1198                | 02/09/76         | 60                  | 5331            | 40.8         | 126.6        | GGGG                               |                     |                      | 124                   | 49                   |
| 12138E                      | 3136S | 2663-00510        | 00000/0000                   | 2-20036/0609                | 11/15/76         | 0                   | 9235            | 50.3         | 80.9         | GGGG                               |                     |                      | 116                   | 82                   |
| 12138E                      | 3138S | 2681-00501        | 00000/0000                   | 2-20037/0591                | 12/03/76         | 10                  | 9486            | 50.6         | 86.9         | GGGG                               |                     |                      | 116                   | 82                   |
| 12137E                      | 3146N | 2728-01331        | 00000/0000                   | 2-20038/1579                | 01/19/77         | 100                 | 142             | 26.6         | 140.2        | GGGG                               |                     |                      | 127                   | 38                   |
| 12137E                      | 3145N | 2710-01335        | 00000/0000                   | 2-20038/0586                | 01/01/77         | 100                 | 9891            | 25.4         | 143.3        | GGG                                |                     |                      | 127                   | 38                   |
| 12137E                      | 3141N | 2422-01425        | 00000/0000                   | 2-20022/0247                | 03/19/76         | 50                  | 5875            | 44.1         | 127.9        | GGFG                               |                     |                      | 127                   | 38                   |
| 12137E                      | 3133S | 2645-00514        | 00000/0000                   | 2-20035/0039                | 10/28/76         | 40                  | 8984            | 47.9         | 73.6         | GGGG                               |                     |                      | 116                   | 82                   |
| 12137E                      | 3135S | 2627-00522        | 00000/0000                   | 2-20034/0751                | 10/10/76         | 90                  | 8733            | 43.6         | 66.5         | FGGG                               |                     |                      | 116                   | 82                   |
| 12137E                      | 3140S | 2609-00525        | 00000/0000                   | 2-20032/1647                | 09/22/76         | 0                   | 8482            | 38.0         | 60.5         | GGGG                               |                     |                      | 116                   | 82                   |
| 12136E                      | 4438N | 2587-01514        | 00000/0000                   | 2-20032/0228                | 08/31/76         | 40                  | 8176            | 45.4         | 134.5        | GGGG                               |                     |                      | 130                   | 29                   |
| 12136E                      | 3138N | 2656-01360        | 00000/0000                   | 2-20036/0634                | 11/08/76         | 20                  | 9138            | 33.7         | 144.5        | FGGG                               |                     |                      | 127                   | 38                   |
| 12136E                      | 0846N | 2454-01253        | 00000/0000                   | 2-20024/0032                | 04/20/76         | 20                  | 6321            | 53.8         | 82.5         | GGGG                               |                     |                      | 123                   | 54                   |
| 12135E                      | 4433N | 2551-01525        | 00000/0000                   | 2-20030/0041                | 07/26/76         | 40                  | 7674            | 53.6         | 123.3        | GGGG                               |                     |                      | 130                   | 29                   |
| 12135E                      | 3140N | 2404-01433        | 00000/0000                   | 2-20021/0889                | 03/01/76         | 80                  | 5624            | 38.1         | 132.9        | GGGF                               |                     |                      | 127                   | 38                   |
| 12135E                      | 3140N | 2620-01372        | 00000/0000                   | 2-20034/0200                | 10/03/76         | 40                  | 8636            | 43.6         | 134.3        | GGGG                               |                     |                      | 127                   | 38                   |
| 12134E                      | 4435N | 2605-01511        | 00000/0000                   | 2-20032/0895                | 09/18/76         | 30                  | 8427            | 40.2         | 140.5        | GGGG                               |                     |                      | 130                   | 29                   |
| 12134E                      | 4431N | 2533-01532        | 00000/0000                   | 2-20028/0896                | 07/08/76         | 70                  | 7423            | 56.2         | 120.4        | GGGG                               |                     |                      | 130                   | 29                   |
| 12134E                      | 4024N | 2460-01504        | 00000/0000                   | 2-20024/1140                | 04/26/76         | 60                  | 6405            | 52.3         | 127.0        | FFFF                               |                     |                      | 129                   | 32                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12134E 3139N                            | 2674-01352        | 00000/0000 2-20036/1352                            | 11/26/76         | 10                  | 9389            | 29.4         | 146.1        |                                    |                     |                      |                       |                      |
| 12134E 3137N                            | 2368-01442        | 00000/0000 2-20020/0406                            | 01/25/76         | 100                 | 5122            | 28.9         | 141.4        | GFGG                               |                     |                      | 127                   | 38                   |
| 12134E 3135N                            | 2386-01435        | 00000/0000 2-20021/0090                            | 02/12/76         | 30                  | 5373            | 32.8         | 137.3        | FGGF                               |                     |                      | 127                   | 38                   |
| 12134E 0844N                            | 2472-01251        | 00000/0000 2-20024/1806                            | 05/08/76         | 20                  | 6572            | 53.8         | 73.0         | FFFF                               |                     |                      | 127                   | 38                   |
| 12133E 3609N                            | 2441-01464        | 00000/0000 2-20027/1465                            | 04/07/76         | 60                  | 6140            | 48.4         | 127.1        | FFGG                               |                     |                      | 123                   | 54                   |
| 12133E 3138N                            | 2638-01364        | 00000/0000 2-20034/0962                            | 10/21/76         | 10                  | 8887            | 38.7         | 140.5        | GGFG                               |                     |                      | 128                   | 35                   |
| 12132E 4426N                            | 2515-01535        | 00000/0000 2-20027/0145                            | 06/20/76         | 0                   | 7172            | 57.6         | 120.3        | FGGG                               |                     |                      | 127                   | 38                   |
| 12132E 4013N                            | 2532-01485        | 00000/0000 2-20028/0760                            | 07/07/76         | 20                  | 7409            | 57.5         | 113.0        | GGGG                               |                     |                      | 130                   | 29                   |
| 12132E 0842N                            | 2436-01261        | 00000/0000 2-20027/1278                            | 04/02/76         | 20                  | 6070            | 52.3         | 93.2         | GGGG                               |                     |                      | 129                   | 32                   |
| 12132E 0840N                            | 2508-01241        | 00000/0000 2-20026/1151                            | 06/13/76         | 10                  | 7074            | 51.4         | 63.4         | GGGG                               |                     |                      | 123                   | 54                   |
| 12131E 4023V                            | 2586-01471        | 00000/0000 2-20037/0346                            | 08/30/76         | 40                  | 8162            | 47.8         | 129.3        | GGGG                               |                     |                      | 123                   | 54                   |
| 12131E 4020N                            | 2478-01501        | 00000/0000 2-20025/0299                            | 05/14/76         | 0                   | 6656            | 56.4         | 121.4        | GGGG                               |                     |                      | 129                   | 32                   |
| 12131E 4020N                            | 2568-01475        | 00000/0000 2-20030/1082                            | 08/12/76         | 100                 | 7911            | 51.9         | 122.2        | FGFG                               |                     |                      | 129                   | 32                   |
| 12131E 3607N                            | 2711-01381        | 00000/0000 2-20033/0466                            | 01/02/77         | 50                  | 9905            | 22.4         | 145.3        | GGGG                               |                     |                      | 129                   | 32                   |
| 12131E 3603N                            | 2693-01390        | 00000/0000 2-20037/0832                            | 12/15/76         | 10                  | 9654            | 23.2         | 147.6        | GGGG                               |                     |                      | 128                   | 35                   |
| 12131E 1434N                            | 2455-01294        | 00000/0000 2-20024/0210                            | 04/21/76         | 10                  | 6335            | 55.2         | 90.1         | FFFF                               |                     |                      | 128                   | 35                   |
| 12131E 0842N                            | 2562-01224        | 00000/0000 2-20030/0875                            | 08/06/76         | 40                  | 7827            | 51.0         | 74.1         | GGGG                               |                     |                      | 124                   | 50                   |
| 12131E 0839N                            | 2490-01244        | 00000/0000 2-20026/0198                            | 05/26/76         | 50                  | 6823            | 52.7         | 66.3         | GGGF                               |                     |                      | 123                   | 54                   |
| 12130E 3600N                            | 2423-01472        | 00000/0000 2-20021/1755                            | 03/20/76         | 0                   | 5889            | 42.3         | 131.8        | GGGG                               |                     |                      | 123                   | 54                   |
| 12130E 3555N                            | 2657-01403        | 00000/0000 2-20035/0075                            | 11/09/76         | 40                  | 9152            | 30.4         | 147.1        | FGFG                               |                     |                      | 128                   | 35                   |
| 12130E 0843N                            | 2526-01234        | 00000/0000 2-20028/0468                            | 07/01/76         | 40                  | 7325            | 50.5         | 64.0         | GGGG                               |                     |                      | 123                   | 54                   |
| 12129E 4017N                            | 2424-01515        | 00000/0000 2-20022/0345                            | 03/21/76         | 40                  | 5903            | 40.3         | 135.5        | GGGG                               |                     |                      | 129                   | 32                   |
| 12129E 4012N                            | 2496-01495        | 00000/0000 2-20026/0111                            | 06/01/76         | 20                  | 6907            | 58.5         | 116.0        | GGGG                               |                     |                      | 129                   | 32                   |
| 12129E 4012N                            | 2514-01492        | 00000/0000 2-20026/0111                            | 06/01/76         | 20                  | 6907            | 58.5         | 116.0        | GGGG                               |                     |                      | 129                   | 32                   |
| 12129E 3604N                            | 2729-01373        | 00000/0000 2-20026/1893                            | 06/19/76         | 90                  | 7158            | 58.7         | 112.8        | GFGG                               |                     |                      | 129                   | 32                   |
| 12129E 1432N                            | 2581-01261        | 00000/0000 2-20038/1523                            | 01/20/77         | 60                  | 156             | 23.9         | 142.1        | FGGG                               |                     |                      | 128                   | 35                   |
| 12129E 0841N                            | 2418-01264        | 00000/0000 2-20030/1831                            | 08/25/76         | 80                  | 8092            | 53.3         | 91.4         | GGGG                               |                     |                      | 124                   | 50                   |
| 12129E 0841N                            | 2598-01214        | 00000/0000 2-20021/1643                            | 03/15/76         | 10                  | 5819            | 49.6         | 103.8        | GGGG                               |                     |                      | 123                   | 54                   |
| 12128E 4021N                            | 2604-01464        | 00000/0000 2-20032/1141                            | 09/11/76         | 30                  | 8329            | 52.8         | 93.9         | GGGG                               |                     |                      | 123                   | 54                   |
| 12128E 1429N                            | 2563-01264        | 00000/0000 2-20032/1391                            | 09/17/76         | 30                  | 8413            | 43.0         | 136.2        | FGGG                               |                     |                      | 129                   | 32                   |
| 12127E 4015N                            | 2550-01482        | 00000/0000 2-20030/0897                            | 08/07/76         | 70                  | 7841            | 53.1         | 81.8         | GGGG                               |                     |                      | 124                   | 50                   |
| 12127E 0841N                            | 2400-01272        | 00000/0000 2-20029/0166                            | 07/25/76         | 90                  | 7660            | 55.1         | 116.4        | GFGG                               |                     |                      | 129                   | 32                   |
| 12126E 3555N                            | 2639-01411        | 00000/0000 2-20021/0685                            | 02/26/76         | 80                  | 5568            | 46.4         | 113.1        | PGGF                               |                     |                      | 123                   | 54                   |
| 12126E 1426N                            | 2527-01275        | 00000/0000 2-20034/0945                            | 10/22/76         | 40                  | 8901            | 35.5         | 143.8        | FGGF                               |                     |                      | 128                   | 35                   |
| 12126E 1426N                            | 2545-01272        | 00000/0000 2-20028/0519                            | 07/02/76         | 60                  | 7339            | 53.5         | 70.6         | GGGG                               |                     |                      | 124                   | 50                   |
| 12126E 1426N                            | 2545-01272        | 00000/0000 2-20028/1780                            | 07/20/76         | 70                  | 7590            | 53.1         | 74.7         | GGGG                               |                     |                      | 124                   | 50                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANHSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12126E 1424N                            | 2491-01284        | 00000/0000                   | 2-20024/0215                | 05/27/76         | 80                  | 6837            | 55.5         | 73.3         | GGGG                               |                     |                      | 124                   | 50                   |
| 12125E 4732N                            | 2462-02000        | 00000/0000                   | 2-20024/0835                | 04/28/76         | 50                  | 6433            | 49.4         | 135.9        | GGGG                               |                     |                      | 131                   | 27                   |
| 12125E 3558N                            | 2675-01394        | 00000/0000                   | 2-20036/1364                | 11/27/76         | 30                  | 9403            | 26.0         | 148.3        | GGGG                               |                     |                      | 128                   | 35                   |
| 12125E 1428N                            | 2419-01305        | 00000/0000                   | 2-20027/0124                | 03/16/76         | 30                  | 5833            | 49.0         | 110.2        | GGGG                               |                     |                      | 124                   | 50                   |
| 12125E 1426N                            | 2599-01254        | 00000/0000                   | 2-20032/1183                | 09/12/76         | 90                  | 8343            | 52.9         | 102.4        | GFGG                               |                     |                      | 124                   | 50                   |
| 12124E 4729N                            | 2444-02003        | 00000/0000                   | 2-20027/1534                | 04/10/76         | 60                  | 6182            | 43.5         | 139.0        | GGGG                               |                     |                      | 131                   | 27                   |
| 12124E 3556N                            | 2621-01415        | 00000/0000                   | 2-20034/0307                | 10/04/76         | 10                  | 8650            | 40.8         | 138.5        | FFGG                               |                     |                      | 128                   | 35                   |
| 12124E 1424N                            | 2509-01282        | 00000/0000                   | 2-20026/1469                | 06/14/76         | 40                  | 7088            | 54.5         | 70.0         | FFGG                               |                     |                      | 124                   | 50                   |
| 12123E 0831N                            | 2382-01275        | 00000/0000                   | 2-20026/0923                | 02/08/76         | 90                  | 5317            | 43.6         | 120.8        | FFGF                               |                     |                      | 123                   | 54                   |
| 12122E 1425N                            | 2365-01321        | 00000/0000                   | 2-20019/0169                | 01/22/76         | 80                  | 5080            | 39.0         | 131.3        | GGGG                               |                     |                      | 124                   | 50                   |
| 12122E 1425N                            | 2401-01312        | 00000/0000                   | 2-20021/0741                | 02/27/76         | 20                  | 5582            | 45.0         | 118.5        | GGGG                               |                     |                      | 124                   | 50                   |
| 12120E 4732N                            | 2588-01563        | 00000/0000                   | 2-20032/0429                | 09/01/76         | 30                  | 8190            | 43.5         | 137.9        | GGGG                               |                     |                      | 131                   | 27                   |
| 12120E 4727N                            | 2570-01571        | 00000/0000                   | 2-20030/1236                | 08/14/76         | 40                  | 7939            | 48.4         | 132.4        | GGGG                               |                     |                      | 131                   | 27                   |
| 12120E 4723N                            | 2480-01593        | 00000/0000                   | 2-20025/0556                | 05/16/76         | 10                  | 6684            | 53.8         | 131.9        | GGGG                               |                     |                      | 131                   | 27                   |
| 12120E 4719N                            | 2498-01591        | 00000/0000                   | 2-20026/0665                | 06/03/76         | 10                  | 6935            | 56.2         | 127.9        | FGGG                               |                     |                      | 131                   | 27                   |
| 12119E 5021N                            | 2463-02045        | 00000/0000                   | 2-20024/1265                | 04/29/76         | 0                   | 6447            | 48.1         | 139.3        | GGGG                               |                     |                      | 132                   | 25                   |
| 12119E 4721N                            | 2552-01574        | 00000/0000                   | 2-20030/0183                | 07/27/76         | 20                  | 7688            | 52.3         | 127.7        | GGGG                               |                     |                      | 131                   | 27                   |
| 12118E 3022N                            | 2458-01421        | 00000/0000                   | 2-20024/0384                | 04/24/76         | 10                  | 6377            | 55.2         | 113.0        | FFFG                               |                     |                      | 127                   | 39                   |
| 12118E 1413N                            | 2383-01315        | 00000/0000                   | 2-20020/1199                | 02/09/76         | 40                  | 5331            | 41.5         | 125.4        | FFFG                               |                     |                      | 124                   | 50                   |
| 12117E 3259S                            | 2519-00555        | 00000/0000                   | 2-20027/0372                | 06/24/76         | 70                  | 7227            | 19.0         | 43.6         | GGGG                               |                     |                      | 116                   | 83                   |
| 12116E 4723N                            | 2606-01561        | 00000/0000                   | 2-20032/1458                | 09/19/76         | 90                  | 8441            | 38.0         | 143.3        | GFGG                               |                     |                      | 131                   | 27                   |
| 12116E 4718N                            | 2534-01581        | 00000/0000                   | 2-20024/1567                | 07/09/76         | 90                  | 7437            | 55.2         | 125.1        | GGGG                               |                     |                      | 131                   | 27                   |
| 12116E 3018N                            | 2476-01414        | 00000/0000                   | 2-20024/1640                | 05/12/76         | 20                  | 6628            | 58.3         | 105.1        | GGGG                               |                     |                      | 127                   | 39                   |
| 12116E 3304S                            | 2537-00552        | 00000/0000                   | 2-20024/1197                | 07/12/76         | 60                  | 7478            | 19.5         | 45.3         | FFFF                               |                     |                      | 116                   | 83                   |
| 12115E 3023N                            | 2440-01424        | 00000/0000                   | 2-20027/1365                | 04/06/76         | 30                  | 6126            | 50.4         | 120.4        | GGGG                               |                     |                      | 127                   | 39                   |
| 12115E 0719N                            | 2454-01260        | 00000/0000                   | 2-20024/0033                | 04/20/76         | 40                  | 6321            | 53.3         | 80.5         | GGGG                               |                     |                      | 123                   | 55                   |
| 12114E 4715N                            | 2516-01584        | 00000/0000                   | 2-20027/0107                | 06/21/76         | 40                  | 7186            | 56.6         | 125.1        | GFGG                               |                     |                      | 131                   | 27                   |
| 12114E 0717N                            | 2472-01253        | 00000/0000                   | 2-20024/1807                | 05/08/76         | 40                  | 6572            | 53.1         | 71.2         | FGGG                               |                     |                      | 123                   | 55                   |
| 12113E 5021N                            | 2445-02052        | 00000/0000                   | 2-20027/1638                | 04/11/76         | 0                   | 6196            | 42.1         | 141.8        | GGGG                               |                     |                      | 132                   | 25                   |
| 12113E 3019N                            | 2710-01341        | 00000/0000                   | 2-20034/0587                | 01/01/77         | 100                 | 9891            | 26.4         | 142.8        | GGGG                               |                     |                      | 127                   | 39                   |
| 12113E 3018N                            | 2692-01350        | 00000/0000                   | 2-20037/0878                | 12/14/76         | 10                  | 9640            | 27.5         | 145.0        | FFGG                               |                     |                      | 127                   | 39                   |
| 12113E 3258S                            | 2645-00520        | 00000/0000                   | 2-20035/0040                | 10/28/76         | 40                  | 8984            | 47.2         | 72.3         | GFGG                               |                     |                      | 116                   | 83                   |
| 12113E 3301S                            | 2663-00512        | 00000/0000                   | 2-20036/0610                | 11/15/76         | 50                  | 9235            | 49.8         | 79.4         | GGGG                               |                     |                      | 116                   | 83                   |
| 12113E 3304S                            | 2681-00504        | 00000/0000                   | 2-20037/0592                | 12/03/76         | 70                  | 9486            | 50.2         | 85.4         | GGGG                               |                     |                      | 116                   | 83                   |
| 12112E 3020N                            | 2728-01333        | 00000/0000                   | 2-20038/1580                | 01/19/77         | 90                  | 142             | 27.5         | 139.4        | GGGG                               |                     |                      | 127                   | 39                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG | LAT   | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12112E                              | 3015N | 2422-01432        | 00000/0000                   | 2-20022/0248                | 03/19/76         | 60                  | 5875            | 44.7         | 126.3        | GGGG                               |                     |                      | 127                   | 39                   |
| 12112E                              | 0713N | 2508-01244        | 00000/0000                   | 2-20026/1152                | 06/13/76         | 10                  | 7074            | 50.5         | 61.9         | GGGG                               |                     |                      | 123                   | 55                   |
| 12112E                              | 3301S | 2627-00524        | 00000/0000                   | 2-20034/0752                | 10/10/76         | 30                  | 8733            | 42.7         | 65.6         | GGGF                               |                     |                      | 116                   | 83                   |
| 12112E                              | 3305S | 2609-00532        | 00000/0000                   | 2-20032/1648                | 09/22/76         | 0                   | 8482            | 37.1         | 59.9         | FGGG                               |                     |                      | 116                   | 83                   |
| 12111E                              | 3015N | 2620-01374        | 00000/0000                   | 2-20034/0201                | 10/03/76         | 10                  | 8636            | 44.4         | 133.0        | GGGG                               |                     |                      | 127                   | 39                   |
| 12111E                              | 3012N | 2656-01363        | 00000/0000                   | 2-20036/0635                | 11/08/76         | 40                  | 9138            | 34.7         | 143.6        | FGGG                               |                     |                      | 127                   | 39                   |
| 12111E                              | 0715N | 2562-01231        | 00000/0000                   | 2-20030/0876                | 08/06/76         | 30                  | 7827            | 50.3         | 72.5         | GGGG                               |                     |                      | 123                   | 55                   |
| 12111E                              | 0712N | 2490-01250        | 00000/0000                   | 2-20026/0199                | 05/26/76         | 70                  | 6823            | 51.9         | 64.7         | GGGG                               |                     |                      | 123                   | 55                   |
| 12110E                              | 5019N | 2589-02013        | 00000/0000                   | 2-20032/0515                | 09/02/76         | 10                  | 8204            | 41.5         | 141.2        | GGGG                               |                     |                      | 132                   | 25                   |
| 12110E                              | 3014N | 2404-01435        | 00000/0000                   | 2-20021/0890                | 03/01/76         | 20                  | 5624            | 38.9         | 131.7        | GGGG                               |                     |                      | 127                   | 39                   |
| 12110E                              | 1307N | 2455-01300        | 00000/0000                   | 2-20024/0211                | 04/21/76         | 10                  | 6335            | 54.9         | 88.0         | GGGG                               |                     |                      | 124                   | 51                   |
| 12110E                              | 0716N | 2526-01241        | 00000/0000                   | 2-20028/0469                | 07/01/76         | 50                  | 7325            | 49.6         | 62.5         | GGGF                               |                     |                      | 123                   | 55                   |
| 12109E                              | 5013N | 2481-02043        | 00000/0000                   | 2-20025/0513                | 05/17/76         | 90                  | 6698            | 52.5         | 135.8        | GGGG                               |                     |                      | 132                   | 25                   |
| 12109E                              | 3013N | 2638-01371        | 00000/0000                   | 2-20034/0963                | 10/21/76         | 0                   | 8887            | 39.6         | 139.4        | GGGG                               |                     |                      | 127                   | 39                   |
| 12109E                              | 3013N | 2674-01354        | 00000/0000                   | 2-20036/1353                | 11/26/76         | 0                   | 9389            | 30.5         | 145.4        | GGGF                               |                     |                      | 127                   | 39                   |
| 12109E                              | 3010N | 2386-01442        | 00000/0000                   | 2-20021/0091                | 02/12/76         | 40                  | 5373            | 33.7         | 136.4        | FGGG                               |                     |                      | 127                   | 39                   |
| 12109E                              | 1302N | 2473-01293        | 00000/0000                   | 2-20025/0986                | 05/09/76         | 50                  | 6586            | 55.5         | 78.3         | PFFF                               |                     |                      | 124                   | 51                   |
| 12109E                              | 0714N | 2418-01271        | 00000/0000                   | 2-20021/1644                | 03/15/76         | 10                  | 5819            | 49.7         | 102.0        | FFGG                               |                     |                      | 123                   | 55                   |
| 12108E                              | 5018N | 2571-02020        | 00000/0000                   | 2-20030/1320                | 08/15/76         | 60                  | 7953            | 46.6         | 136.2        | GGGG                               |                     |                      | 132                   | 25                   |
| 12108E                              | 4316N | 2443-01560        | 00000/0000                   | 2-20022/1577                | 04/09/76         | 10                  | 6168            | 45.6         | 134.6        | GGGG                               |                     |                      | 130                   | 30                   |
| 12108E                              | 4314N | 2569-01524        | 00000/0000                   | 2-20030/1209                | 08/13/76         | 40                  | 7925            | 50.5         | 126.5        | GGGF                               |                     |                      | 130                   | 30                   |
| 12108E                              | 4309N | 2479-01550        | 00000/0000                   | 2-20025/0367                | 05/15/76         | 90                  | 6670            | 55.5         | 125.6        | GGGG                               |                     |                      | 130                   | 30                   |
| 12108E                              | 3440N | 2459-01464        | 00000/0000                   | 2-20024/0534                | 04/25/76         | 90                  | 6391            | 54.2         | 119.1        | GGGG                               |                     |                      | 128                   | 36                   |
| 12108E                              | 1305N | 2581-01264        | 00000/0000                   | 2-20030/1832                | 08/25/76         | 70                  | 8092            | 53.1         | 89.4         | GGGG                               |                     |                      | 124                   | 51                   |
| 12108E                              | 0714N | 2598-01221        | 00000/0000                   | 2-20032/1142                | 09/11/76         | 70                  | 8329            | 52.7         | 91.9         | GGGG                               |                     |                      | 123                   | 55                   |
| 12107E                              | 5008N | 2499-02040        | 00000/0000                   | 2-20026/0718                | 06/04/76         | 20                  | 6949            | 55.0         | 132.3        | GGGG                               |                     |                      | 132                   | 25                   |
| 12107E                              | 1303N | 2437-01304        | 00000/0000                   | 2-20022/1187                | 04/03/76         | 10                  | 6084            | 52.7         | 98.5         | GGGF                               |                     |                      | 124                   | 51                   |
| 12107E                              | 1302N | 2563-01271        | 00000/0000                   | 2-20030/0898                | 08/07/76         | 90                  | 7841            | 52.7         | 79.9         | GGGG                               |                     |                      | 124                   | 51                   |
| 12107E                              | 0715N | 2400-01274        | 00000/0000                   | 2-20021/0686                | 02/26/76         | 60                  | 5568            | 46.8         | 111.6        | GGGF                               |                     |                      | 123                   | 55                   |
| 12106E                              | 3858N | 2460-01510        | 00000/0000                   | 2-20024/1141                | 04/26/76         | 80                  | 6405            | 52.9         | 125.0        | GGGG                               |                     |                      | 129                   | 33                   |
| 12106E                              | 3443N | 2441-01471        | 00000/0000                   | 2-20022/1466                | 04/07/76         | 30                  | 6140            | 49.1         | 125.4        | GGGF                               |                     |                      | 128                   | 36                   |
| 12106E                              | 1847N | 2492-01331        | 00000/0000                   | 2-20026/0306                | 05/28/76         | 80                  | 6851            | 57.2         | 79.3         | FGGG                               |                     |                      | 125                   | 47                   |
| 12106E                              | 1300N | 2545-01274        | 00000/0000                   | 2-20028/1781                | 07/20/76         | 70                  | 7590            | 52.5         | 72.9         | GGGG                               |                     |                      | 124                   | 51                   |
| 12105E                              | 5014N | 2607-02010        | 00000/0000                   | 2-20032/1415                | 09/20/76         | 20                  | 8455            | 35.8         | 146.1        | GGGG                               |                     |                      | 132                   | 25                   |
| 12105E                              | 4309N | 2425-01564        | 00000/0000                   | 2-20021/1769                | 03/22/76         | 70                  | 5917            | 39.0         | 137.9        | FGGF                               |                     |                      | 130                   | 30                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL | MSS | MSS          | ORBIT         | FRAME        |
|-----------------------------|-------|-------------------|-----------------------------------------|--------------|------------------|---------------------|-----------------|--------------|--------------|------------|-----|--------------|---------------|--------------|
| LONG                        | LAT   |                   | RBV                                     | MSS          |                  |                     |                 |              |              | RBV        | MSS | DATA<br>MODE | IMAGE<br>GAIN | PATH<br>NUM. |
| 12105E                      | 4305N | 2497-01544        | 00000/0000                              | 2-20026/0600 | 06/02/76         | 10                  | 6921            | 57.7         | 120.9        | GGG        |     |              | 130           | 30           |
| 12105E                      | 1301N | 2419-01311        | 00000/0000                              | 2-20022/0125 | 03/16/76         | 30                  | 5833            | 49.3         | 108.5        | GGGG       |     |              | 124           | 51           |
| 12105E                      | 1300N | 2527-01281        | 00000/0000                              | 2-20028/0520 | 07/02/76         | 60                  | 7339            | 52.8         | 68.9         | GGGG       |     |              | 124           | 51           |
| 12105E                      | 1258N | 2491-01291        | 00000/0000                              | 2-20026/0216 | 05/27/76         | 70                  | 6837            | 54.9         | 71.3         | GGGG       |     |              | 124           | 51           |
| 12104E                      | 3441N | 2711-01384        | 00000/0000                              | 2-20038/0467 | 01/02/77         | 90                  | 9905            | 23.4         | 144.7        | GGGG       |     |              | 128           | 36           |
| 12104E                      | 3437N | 2693-01392        | 00000/0000                              | 2-20037/0833 | 12/15/76         | 10                  | 9654            | 24.2         | 146.9        | FGGG       |     |              | 128           | 36           |
| 12104E                      | 1258N | 2509-01284        | 00000/0000                              | 2-20026/1470 | 06/14/76         | 50                  | 7088            | 53.7         | 68.2         | FFGG       |     |              | 124           | 51           |
| 12103E                      | 5006N | 2535-02030        | 00000/0000                              | 2-20028/1103 | 07/10/76         | 10                  | 7451            | 53.5         | 129.7        | GGGG       |     |              | 132           | 25           |
| 12103E                      | 4312N | 2587-01521        | 00000/0000                              | 2-20032/0229 | 08/31/76         | 20                  | 8176            | 46.1         | 132.9        | GGGG       |     |              | 130           | 30           |
| 12103E                      | 4308N | 2551-01531        | 00000/0000                              | 2-20030/0042 | 07/26/76         | 30                  | 7674            | 54.1         | 121.1        | GGGG       |     |              | 130           | 30           |
| 12103E                      | 4305N | 2533-01534        | 00000/0000                              | 2-20028/0897 | 07/08/76         | 90                  | 7423            | 56.7         | 118.0        | GGGG       |     |              | 130           | 30           |
| 12103E                      | 3854N | 2478-01504        | 00000/0000                              | 2-20025/0300 | 05/14/76         | 0                   | 6656            | 56.9         | 119.1        | GFGG       |     |              | 129           | 33           |
| 12103E                      | 3848N | 2532-01491        | 00000/0000                              | 2-20028/0761 | 07/07/76         | 10                  | 7409            | 57.7         | 110.5        | GGGG       |     |              | 129           | 33           |
| 12103E                      | 3434N | 2423-01474        | 00000/0000                              | 2-20021/1756 | 03/20/76         | 0                   | 5889            | 43.0         | 130.4        | GGFF       |     |              | 128           | 36           |
| 12103E                      | 3430N | 2657-01405        | 00000/0000                              | 2-20036/0076 | 11/09/76         | 50                  | 9152            | 31.4         | 146.3        | FGGG       |     |              | 128           | 36           |
| 12103E                      | 0704N | 2382-01281        | 00000/0000                              | 2-20027/0924 | 02/08/76         | 90                  | 5317            | 44.2         | 119.4        | FFGG       |     |              | 123           | 55           |
| 12102E                      | 5005N | 2517-02033        | 00000/0000                              | 2-20027/0248 | 06/22/76         | 60                  | 7200            | 53.4         | 129.8        | GGGG       |     |              | 132           | 25           |
| 12102E                      | 4305N | 2605-01514        | 00000/0000                              | 2-20037/0896 | 09/18/76         | 10                  | 8427            | 41.1         | 139.2        | GGGG       |     |              | 130           | 30           |
| 12102E                      | 3857N | 2586-01474        | 00000/0000                              | 2-20032/0347 | 08/30/76         | 30                  | 8162            | 48.5         | 127.6        | GGGG       |     |              | 129           | 33           |
| 12102E                      | 3855N | 2568-01481        | 00000/0000                              | 2-20030/1083 | 08/12/76         | 100                 | 7911            | 52.4         | 120.2        | PPGG       |     |              | 129           | 33           |
| 12102E                      | 3438N | 2729-01380        | 00000/0000                              | 2-20038/1524 | 01/20/77         | 70                  | 156             | 24.8         | 141.4        | GGGG       |     |              | 128           | 36           |
| 12102E                      | 1259N | 2401-01314        | 00000/0000                              | 2-20021/0742 | 02/27/76         | 10                  | 5582            | 45.4         | 117.1        | FGGG       |     |              | 124           | 51           |
| 12101E                      | 1300N | 2365-01323        | 00000/0000                              | 2-20019/0170 | 01/22/76         | 40                  | 5080            | 39.8         | 130.2        | FFGG       |     |              | 124           | 51           |
| 12100E                      | 4301N | 2515-01541        | 00000/0000                              | 2-20027/0146 | 06/20/76         | 30                  | 7172            | 58.0         | 117.8        | GGGG       |     |              | 130           | 30           |
| 12100E                      | 3847N | 2496-01501        | 00000/0000                              | 2-20026/0112 | 06/01/76         | 20                  | 6907            | 58.8         | 113.4        | FGGG       |     |              | 129           | 33           |
| 12100E                      | 3846N | 2514-01494        | 00000/0000                              | 2-20026/1894 | 06/19/76         | 80                  | 7158            | 59.0         | 110.2        | GGGG       |     |              | 129           | 33           |
| 12059E                      | 3855N | 2604-01471        | 00000/0000                              | 2-20037/1392 | 09/17/76         | 10                  | 8413            | 43.8         | 134.8        | GGGG       |     |              | 129           | 33           |
| 12059E                      | 3852N | 2424-01521        | 00000/0000                              | 2-20027/0346 | 03/21/76         | 20                  | 5903            | 41.1         | 134.2        | FGGG       |     |              | 129           | 33           |
| 12059E                      | 3849N | 2550-01484        | 00000/0000                              | 2-20029/0167 | 07/25/76         | 80                  | 7660            | 55.5         | 114.1        | GGGG       |     |              | 129           | 33           |
| 12059E                      | 3433N | 2675-01401        | 00000/0000                              | 2-20036/1365 | 11/27/76         | 40                  | 9403            | 27.1         | 147.6        | GGGG       |     |              | 128           | 36           |
| 12059E                      | 3430N | 2639-01413        | 00000/0000                              | 2-20034/0946 | 10/22/76         | 10                  | 8901            | 36.5         | 142.5        | GGGG       |     |              | 128           | 36           |
| 12057E                      | 3430N | 2621-01421        | 00000/0000                              | 2-20034/0308 | 10/04/76         | 20                  | 8650            | 41.6         | 137.2        | FFGG       |     |              | 128           | 36           |
| 12057E                      | 1248N | 2383-01321        | 00000/0000                              | 2-20020/1200 | 02/09/76         | 50                  | 5331            | 42.1         | 124.2        | GGFG       |     |              | 124           | 51           |
| 12053E                      | 2857N | 2458-01423        | 00000/0000                              | 2-20024/0385 | 04/24/76         | 20                  | 6377            | 55.5         | 110.8        | GGGG       |     |              | 127           | 40           |
| 12051E                      | 2857N | 2440-01431        | 00000/0000                              | 2-20027/1366 | 04/06/76         | 40                  | 6126            | 50.9         | 118.5        | FGGG       |     |              | 127           | 40           |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE G=GOOD P=POOR F=FAIR  
 MSS DATA MODE ..... (BLANK)=COMPRESSED L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN H=HIGH GAIN

12044 APR 28 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | SCANS/ROW<br>POSITION IN ROW<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PAYH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 120500                                  | 66500             | 2462-02002                              | 00000/0000       | 2-20024/0836        | 04/28/76        | 10           | 6433         | 50.1                               | 134.1               | GGGG                 | 131                   | 28                   |
| 120490                                  | 66500             | 2462-02010                              | 00000/0000       | 2-20022/1535        | 04/10/76        | 70           | 6182         | 44.4                               | 137.5               | GGGG                 | 131                   | 28                   |
| 120490                                  | 66500             | 2462-01340                              | 00000/0000       | 2-20038/0585        | 01/01/77        | 100          | 9891         | 27.4                               | 142.1               | G GF                 | 127                   | 40                   |
| 120490                                  | 66500             | 2462-01303                              | 00000/0000       | 2-20024/0212        | 04/21/76        | 10           | 6335         | 54.6                               | 85.9                | GGGG                 | 124                   | 52                   |
| 120480                                  | 66500             | 2462-01340                              | 00000/0000       | 2-20038/1581        | 01/19/77        | 100          | 142          | 28.4                               | 138.7               | GGGG                 | 127                   | 40                   |
| 120480                                  | 66500             | 2462-01352                              | 00000/0000       | 2-20037/0879        | 12/14/76        | 0            | 9640         | 28.5                               | 144.3               | GGGG                 | 127                   | 40                   |
| 120480                                  | 66500             | 2462-01434                              | 00000/0000       | 2-20022/0249        | 03/19/76        | 80           | 5875         | 45.4                               | 125.0               | GGGG                 | 127                   | 40                   |
| 120480                                  | 66500             | 2462-01300                              | 00000/0000       | 2-20023/0057        | 05/09/76        | 30           | 6586         | 55.0                               | 78.3                | PFPF                 | 124                   | 52                   |
| 120480                                  | 66500             | 2462-01355                              | 00000/0000       | 2-20036/0636        | 11/08/76        | 30           | 9138         | 35.7                               | 142.7               | GGGG                 | 127                   | 40                   |
| 120480                                  | 66500             | 2462-01270                              | 00000/0000       | 2-20030/1833        | 08/25/76        | 50           | 8092         | 52.8                               | 87.5                | GGGF                 | 124                   | 52                   |
| 120480                                  | 66500             | 2462-01310                              | 00000/0000       | 2-20022/1188        | 04/03/76        | 10           | 6024         | 52.6                               | 96.5                | GGGG                 | 124                   | 52                   |
| 120480                                  | 66500             | 2462-01442                              | 00000/0000       | 2-20021/0891        | 03/01/76        | 10           | 5624         | 39.6                               | 130.6               | FGGG                 | 127                   | 40                   |
| 120480                                  | 66500             | 2462-01353                              | 00000/0000       | 2-20030/0899        | 08/07/76        | 30           | 7041         | 52.2                               | 78.1                | GGGG                 | 124                   | 52                   |
| 120480                                  | 66500             | 2462-01570                              | 00000/0000       | 2-20032/0430        | 09/01/76        | 80           | 8190         | 44.3                               | 136.4               | GGGG                 | 131                   | 28                   |
| 120480                                  | 66500             | 2462-02000                              | 00000/0000       | 2-20025/0557        | 05/16/76        | 0            | 6084         | 54.5                               | 129.8               | GGGG                 | 131                   | 28                   |
| 120480                                  | 66500             | 2462-01533                              | 00000/0000       | 2-20026/0666        | 06/03/76        | 10           | 6035         | 56.8                               | 125.5               | FGGG                 | 131                   | 28                   |
| 120480                                  | 66500             | 2462-01373                              | 00000/0000       | 2-20034/0964        | 10/21/76        | 10           | 8807         | 40.5                               | 138.3               | GGGG                 | 127                   | 40                   |
| 120480                                  | 66500             | 2462-01361                              | 00000/0000       | 2-20036/1354        | 11/26/76        | 0            | 9389         | 31.5                               | 144.6               | GGGG                 | 127                   | 40                   |
| 120450                                  | 66500             | 2462-01284                              | 00000/0000       | 2-20028/0521        | 07/02/76        | 50           | 7339         | 52.1                               | 67.2                | GGGG                 | 124                   | 52                   |
| 120450                                  | 66500             | 2462-01281                              | 00000/0000       | 2-20028/1782        | 07/20/76        | 70           | 7590         | 51.8                               | 71.2                | GGGG                 | 124                   | 52                   |
| 120450                                  | 66500             | 2462-01293                              | 00000/0000       | 2-20026/0217        | 05/27/76        | 50           | 6837         | 54.2                               | 69.5                | GGGG                 | 124                   | 52                   |
| 120440                                  | 66500             | 2462-01573                              | 00000/0000       | 2-20030/1237        | 08/14/76        | 50           | 7939         | 49.0                               | 130.6               | GGGG                 | 124                   | 52                   |
| 120440                                  | 66500             | 2462-01333                              | 00000/0000       | 2-20026/0307        | 05/28/76        | 80           | 6851         | 56.7                               | 77.1                | GGGG                 | 125                   | 48                   |
| 120440                                  | 66500             | 2462-01314                              | 00000/0000       | 2-20022/0126        | 03/16/76        | 40           | 5833         | 49.5                               | 106.7               | FGGG                 | 124                   | 52                   |
| 120440                                  | 66500             | 2509-01291                              | 00000/0000       | 2-20026/1471        | 06/14/76        | 80           | 7088         | 53.0                               | 66.5                | FFGG                 | 124                   | 52                   |
| 120430                                  | 66500             | 2552-01580                              | 00000/0000       | 2-20030/0184        | 07/27/76        | 10           | 7688         | 52.9                               | 125.6               | GGGG                 | 131                   | 28                   |
| 120420                                  | 66500             | 2459-01470                              | 00000/0000       | 2-20024/0535        | 04/25/76        | 70           | 6391         | 54.7                               | 116.9               | GGGG                 | 128                   | 37                   |
| 120420                                  | 66500             | 2401-01321                              | 00000/0000       | 2-20021/0743        | 02/27/76        | 10           | 5582         | 45.8                               | 115.6               | GFFF                 | 124                   | 52                   |
| 120410                                  | 66500             | 2606-01563                              | 00000/0000       | 2-20032/1459        | 09/19/76        | 90           | 8441         | 39.0                               | 142.1               | GGGG                 | 131                   | 28                   |
| 120410                                  | 66500             | 2534-01583                              | 00000/0000       | 2-20024/1568        | 07/09/76        | 90           | 7437         | 55.7                               | 122.8               | GGGG                 | 131                   | 28                   |
| 120400                                  | 66500             | 2463-02052                              | 00000/0000       | 2-20024/1266        | 04/29/76        | 10           | 6447         | 48.9                               | 137.5               | GGGG                 | 132                   | 26                   |
| 120400                                  | 66500             | 2441-01473                              | 00000/0000       | 2-20022/1467        | 04/07/76        | 10           | 6140         | 49.7                               | 123.6               | GGGF                 | 128                   | 37                   |
| 120400                                  | 66500             | 2365-01330                              | 00000/0000       | 2-20019/0171        | 01/22/76        | 30           | 5080         | 40.5                               | 129.1               | GGGG                 | 124                   | 52                   |
| 120390                                  | 66500             | 2516-01591                              | 00000/0000       | 2-20027/0108        | 06/21/76        | 10           | 7186         | 57.1                               | 122.7               | GFGG                 | 131                   | 28                   |
| 120380                                  | 66500             | 2461-01560                              | 00000/0000       | 2-20024/0156        | 04/27/76        | 10           | 6419         | 52.0                               | 128.7               | GGGG                 | 130                   | 31                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK, NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 12038E                      | 3315N             | 2711-01390            | 00000/0000           | 2-20038/0468     | 01/02/77            | 100             | 9905         | 24.4         | 144.0                 | GGGG                |                      | 128                   | 37                   |
| 12038E                      | 3311N             | 2693-01395            | 00000/0000           | 2-20037/0834     | 12/15/76            | 10              | 9654         | 25.3         | 146.3                 | FFFF                |                      | 128                   | 37                   |
| 12037E                      | 4144N             | 2479-01553            | 00000/0000           | 2-20025/0368     | 05/15/76            | 90              | 6670         | 56.1         | 123.4                 | FGGG                |                      | 130                   | 31                   |
| 12037E                      | 3733N             | 2460-01513            | 00000/0000           | 2-20024/1142     | 04/26/76            | 30              | 6405         | 53.5         | 123.0                 | GGGF                |                      | 129                   | 34                   |
| 12037E                      | 3304N             | 2657-01412            | 00000/0000           | 2-20036/0077     | 11/09/76            | 30              | 9152         | 32.4         | 145.5                 | FGGG                |                      | 128                   | 37                   |
| 12037E                      | 1121N             | 2383-01324            | 00000/0000           | 2-20020/1201     | 02/09/76            | 90              | 5331         | 42.7         | 122.9                 | GGGG                |                      | 124                   | 52                   |
| 12036E                      | 4150N             | 2443-01563            | 00000/0000           | 2-20022/1578     | 04/09/76            | 20              | 6168         | 46.3         | 133.1                 | GGGG                |                      | 130                   | 31                   |
| 12036E                      | 4148N             | 2569-01530            | 00000/0000           | 2-20032/1210     | 08/13/76            | 90              | 7925         | 51.1         | 124.6                 | FFGG                |                      | 130                   | 31                   |
| 12036E                      | 3312N             | 2729-01362            | 00000/0000           | 2-20038/1525     | 01/20/77            | 100             | 156          | 25.7         | 140.7                 | GGGG                |                      | 128                   | 37                   |
| 12035E                      | 4857N             | 2445-02055            | 00000/0000           | 2-20022/1639     | 04/11/76            | 10              | 6196         | 43.0         | 140.4                 | GGG                 |                      | 132                   | 26                   |
| 12035E                      | 3729N             | 2478-01510            | 00000/0000           | 2-20025/0301     | 05/14/76            | 0               | 6656         | 57.3         | 116.7                 | GGGG                |                      | 129                   | 34                   |
| 12035E                      | 3722N             | 2532-01494            | 00000/0000           | 2-20028/0762     | 07/07/76            | 20              | 7409         | 57.9         | 108.0                 | GGGG                |                      | 129                   | 34                   |
| 12034E                      | 4144N             | 2425-01570            | 00000/0000           | 2-20021/1770     | 03/22/76            | 50              | 5917         | 39.9         | 136.6                 | GGGG                |                      | 130                   | 31                   |
| 12034E                      | 4140N             | 2497-01550            | 00000/0000           | 2-20026/0601     | 06/02/76            | 20              | 6921         | 58.2         | 118.4                 | GGGG                |                      | 130                   | 31                   |
| 12034E                      | 3731N             | 2586-01480            | 00000/0000           | 2-20032/0348     | 08/30/76            | 10              | 8162         | 49.1         | 125.8                 | GGGG                |                      | 129                   | 34                   |
| 12034E                      | 3730N             | 2568-01484            | 00000/0000           | 2-20030/1084     | 08/12/76            | 100             | 7911         | 52.8         | 118.2                 | PGGG                |                      | 129                   | 34                   |
| 12033E                      | 4139N             | 2533-01541            | 00000/0000           | 2-20028/0898     | 07/08/76            | 100             | 7423         | 57.0         | 115.6                 | FGGF                |                      | 130                   | 31                   |
| 12033E                      | 3308N             | 2675-01403            | 00000/0000           | 2-20036/1366     | 11/27/76            | 20              | 9403         | 28.1         | 146.9                 | FGGG                |                      | 128                   | 37                   |
| 12033E                      | 3305N             | 2639-01420            | 00000/0000           | 2-20034/0947     | 10/22/76            | 10              | 8901         | 37.4         | 141.8                 | GGGG                |                      | 128                   | 37                   |
| 12032E                      | 4854N             | 2589-02015            | 00000/0000           | 2-20032/0516     | 09/02/76            | 10              | 8204         | 42.4         | 139.7                 | GGGG                |                      | 132                   | 26                   |
| 12032E                      | 3727N             | 2694-01441            | 00000/0000           | 2-20037/0931     | 12/16/76            | 60              | 9668         | 22.0         | 148.1                 | GGG                 |                      | 129                   | 34                   |
| 12032E                      | 3724N             | 2550-01431            | 00000/0000           | 2-20029/0168     | 07/25/76            | 90              | 7860         | 55.7         | 111.8                 | GGFG                |                      | 129                   | 34                   |
| 12032E                      | 3721N             | 2496-01504            | 00000/0000           | 2-20026/0113     | 06/01/76            | 10              | 6907         | 59.1         | 110.8                 | GGGG                |                      | 129                   | 34                   |
| 12032E                      | 3720N             | 2514-01501            | 00000/0000           | 2-20026/1895     | 06/19/76            | 90              | 7158         | 59.2         | 107.6                 | GGGG                |                      | 129                   | 34                   |
| 12031E                      | 4147N             | 2597-01523            | 00000/0000           | 2-20032/0230     | 08/31/76            | 50              | 8176         | 46.9         | 131.3                 | GGGG                |                      | 130                   | 31                   |
| 12031E                      | 4143N             | 2551-01534            | 00000/0000           | 2-20030/0043     | 07/26/76            | 80              | 7674         | 54.5         | 118.9                 | GGGG                |                      | 130                   | 31                   |
| 12031E                      | 3730N             | 2730-01425            | 00000/0000           | 2-20038/1634     | 01/21/77            | 10              | 170          | 23.0         | 142.6                 | GGGG                |                      | 129                   | 34                   |
| 12031E                      | 3729N             | 2604-01473            | 00000/0000           | 2-20032/1393     | 09/17/76            | 10              | 8413         | 44.6         | 133.4                 | GGGG                |                      | 129                   | 34                   |
| 12031E                      | 3727N             | 2424-01524            | 00000/0000           | 2-20022/0347     | 03/21/76            | 0               | 5903         | 41.9         | 132.9                 | GGG                 |                      | 129                   | 34                   |
| 12030E                      | 4854N             | 2571-02022            | 00000/0000           | 2-20030/1321     | 08/15/76            | 90              | 7953         | 47.4         | 134.5                 | GGGG                |                      | 132                   | 26                   |
| 12030E                      | 4848N             | 2481-02045            | 00000/0000           | 2-20025/0514     | 05/17/76            | 70              | 6698         | 53.3         | 133.7                 | GGGG                |                      | 132                   | 26                   |
| 12030E                      | 4144N             | 2605-01520            | 00000/0000           | 2-20032/0897     | 09/18/76            | 60              | 8427         | 41.9         | 137.9                 | GGGG                |                      | 130                   | 31                   |
| 12030E                      | 4135N             | 2515-01544            | 00000/0000           | 2-20027/0147     | 06/20/76            | 60              | 7172         | 58.4         | 115.3                 | GGGG                |                      | 130                   | 31                   |
| 12030E                      | 3724N             | 2676-01450            | 00000/0000           | 2-20034/1395     | 11/28/76            | 10              | 9417         | 24.8         | 149.0                 | GGGG                |                      | 129                   | 34                   |
| 12029E                      | 4843N             | 2439-02042            | 00000/0000           | 2-20024/0719     | 06/04/76            | 30              | 6949         | 55.7         | 130.0                 | GGGG                |                      | 132                   | 26                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NSN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0741

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER % | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                  |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 12029E 3721N                | 2406-01531        | 00000/0000 2-20021/1073                 | 03/03/76         | 0                | 5652            | 35.5         | 136.8        | FGGF                  |                     |                      | 129                   | 34                   |
| 12029E 2730N                | 2458-01430        | 00000/0000 2-20024/0386                 | 04/24/76         | 40               | 6377            | 55.7         | 108.6        | FGGG                  |                     |                      | 127                   | 41                   |
| 12029E 1014N                | 2455-01305        | 00000/0000 2-20024/0213                 | 04/21/76         | 10               | 6335            | 54.2         | 83.9         | GGGG                  |                     |                      | 124                   | 53                   |
| 12028E 4847N                | 2553-02030        | 00000/0000 2-20030/0203                 | 07/28/76         | 40               | 7702            | 51.5         | 130.0        | GGGG                  |                     |                      | 132                   | 26                   |
| 12028E 1009N                | 2473-01302        | 00000/0000 2-20025/0058                 | 05/09/76         | 70               | 6586            | 54.4         | 74.3         | FFPF                  |                     |                      | 124                   | 53                   |
| 12027E 4849N                | 2607-02012        | 00000/0000 2-20032/1416                 | 09/20/76         | 20               | 8455            | 36.8         | 144.9        | GGGG                  |                     |                      | 132                   | 26                   |
| 12027E 3720N                | 2640-01463        | 00000/0000 2-20034/1015                 | 10/23/76         | 70               | 8915            | 34.2         | 145.0        | GGGG                  |                     |                      | 129                   | 34                   |
| 12027E 3720N                | 2658-01454        | 00000/0000 2-20036/0214                 | 11/10/76         | 90               | 9166            | 29.0         | 148.0        | GGGG                  |                     |                      | 129                   | 34                   |
| 12027E 2730N                | 2440-01433        | 00000/0000 2-20022/1367                 | 04/06/76         | 90               | 6126            | 51.3         | 116.7        | GFFG                  |                     |                      | 127                   | 41                   |
| 12027E 2726N                | 2476-01423        | 00000/0000 2-20024/1641                 | 05/12/76         | 100              | 6628            | 53.4         | 100.1        | GGGG                  |                     |                      | 127                   | 41                   |
| 12027E 1559N                | 2456-01345        | 00000/0000 2-20024/0335                 | 04/22/76         | 10               | 6349            | 55.5         | 91.7         | GGGG                  |                     |                      | 125                   | 49                   |
| 12026E 3721N                | 2622-01470        | 00000/0000 2-20034/0416                 | 10/05/76         | 90               | 8664            | 39.6         | 140.0        | GGGG                  |                     |                      | 129                   | 34                   |
| 12026E 1012N                | 2581-01273        | 00000/0000 2-20030/1834                 | 08/25/76         | 80               | 8092            | 52.5         | 85.6         | GGGG                  |                     |                      | 124                   | 53                   |
| 12025E 4841N                | 2535-02033        | 00000/0000 2-20028/1104                 | 07/10/76         | 10               | 7451            | 54.5         | 127.4        | GGGG                  |                     |                      | 132                   | 26                   |
| 12025E 2727N                | 2710-01350        | 00000/0000 2-20033/0588                 | 01/01/77         | 100              | 9891            | 28.4         | 141.4        | GGGG                  |                     |                      | 127                   | 41                   |
| 12025E 1009N                | 2563-01280        | 00000/0000 2-20030/0900                 | 08/07/76         | 50               | 7841            | 51.6         | 76.3         | GGGG                  |                     |                      | 124                   | 53                   |
| 12025E 1006N                | 2491-01300        | 00000/0000 2-20026/0218                 | 05/27/76         | 40               | 6837            | 53.4         | 67.7         | GGGG                  |                     |                      | 124                   | 53                   |
| 12025E 1006N                | 2545-01283        | 00000/0000 2-20028/1783                 | 07/20/76         | 80               | 7590            | 51.1         | 69.5         | GGGG                  |                     |                      | 124                   | 53                   |
| 12024E 4839N                | 2517-02040        | 00000/0000 2-20027/0249                 | 06/22/76         | 60               | 7200            | 56.0         | 127.5        | GGGG                  |                     |                      | 132                   | 26                   |
| 12024E 2727N                | 2728-01342        | 00000/0000 2-20038/1582                 | 01/19/77         | 100              | 142             | 29.3         | 137.9        | GGGG                  |                     |                      | 127                   | 41                   |
| 12024E 2726N                | 2692-01355        | 00000/0000 2-20037/0880                 | 12/14/76         | 10               | 9640            | 29.5         | 143.6        | FFFF                  |                     |                      | 127                   | 41                   |
| 12024E 2723N                | 2422-01441        | 00000/0000 2-20027/0250                 | 03/19/76         | 90               | 5875            | 45.9         | 123.5        | GGGG                  |                     |                      | 127                   | 41                   |
| 12024E 2721N                | 2656-01372        | 00000/0000 2-20036/0637                 | 11/08/76         | 60               | 9138            | 36.7         | 141.8        | GGGG                  |                     |                      | 127                   | 41                   |
| 12024E 1557N                | 2438-01353        | 00000/0000 2-20022/1227                 | 04/04/76         | 10               | 6098            | 52.8         | 101.9        | GGGG                  |                     |                      | 125                   | 49                   |
| 12024E 1557N                | 2582-01313        | 00000/0000 2-20032/0122                 | 08/26/76         | 20               | 8106            | 53.4         | 94.0         | GGGG                  |                     |                      | 125                   | 49                   |
| 12024E 1554N                | 2474-01343        | 00000/0000 2-20024/1786                 | 05/10/76         | 10               | 6600            | 56.5         | 82.0         | GGGG                  |                     |                      | 124                   | 53                   |
| 12024E 1008N                | 2419-01320        | 00000/0000 2-20027/0127                 | 03/16/76         | 50               | 5833            | 49.7         | 105.0        | GGGF                  |                     |                      | 124                   | 53                   |
| 12024E 1006N                | 2527-01290        | 00000/0000 2-20028/0522                 | 07/02/76         | 50               | 7339            | 51.3         | 65.6         | GGGG                  |                     |                      | 124                   | 53                   |
| 12024E 1004N                | 2509-01293        | 00000/0000 2-20026/1472                 | 06/14/76         | 80               | 7088            | 52.2         | 64.8         | GGGG                  |                     |                      | 124                   | 53                   |
| 12023E 2722N                | 2404-01444        | 00000/0000 2-20021/0892                 | 03/01/76         | 30               | 5624            | 40.3         | 129.4        | FGGF                  |                     |                      | 127                   | 41                   |
| 12023E 1554N                | 2546-01323        | 00000/0000 2-20029/0131                 | 07/21/76         | 90               | 7604            | 53.7         | 76.9         | GGGG                  |                     |                      | 125                   | 49                   |
| 12022E 2722N                | 2674-01363        | 00000/0000 2-20036/1355                 | 11/26/76         | 10               | 9389            | 32.5         | 143.8        | GGGG                  |                     |                      | 127                   | 41                   |
| 12022E 2721N                | 2638-01380        | 00000/0000 2-20034/0923                 | 10/21/76         | 10               | 8887            | 41.4         | 137.2        | GGGG                  |                     |                      | 127                   | 41                   |
| 12022E 1553N                | 2564-01320        | 00000/0000 2-20030/0968                 | 08/08/76         | 90               | 7855            | 53.5         | 84.2         | FGGG                  |                     |                      | 125                   | 49                   |
| 12021E 1553N                | 2528-01330        | 00000/0000 2-20028/0542                 | 07/03/76         | 50               | 7353            | 54.2         | 72.6         | GGGG                  |                     |                      | 125                   | 49                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR VN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0742

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 12021E 1549N                | 2510-01333        | 00000/0000 2-20026/1582                 | 06/15/76         | 20                  | 7102            | 55.1         | 71.8         |                       |                     |                      |                       |                      |
| 12021E 1007N                | 2401-01323        | 00000/0000 2-20021/0744                 | 02/27/76         | 10                  | 5582            | 46.2         | 114.1        | GGGG                  |                     |                      | 125                   | 49                   |
| 12020E 1555N                | 2420-01360        | 00000/0000 2-20021/1688                 | 03/17/76         | 10                  | 5847            | 49.0         | 111.4        | GGFF                  |                     |                      | 124                   | 53                   |
| 12020E 1006N                | 2365-01333        | 00000/0000 2-20019/0172                 | 01/22/76         | 70                  | 5080            | 41.2         | 128.0        | GGGG                  |                     |                      | 125                   | 49                   |
| 12019E 1553N                | 2600-01310        | 00000/0000 2-20032/1106                 | 09/13/76         | 60                  | 8357            | 52.7         | 105.1        | GGGG                  |                     |                      | 124                   | 53                   |
| 12018E 1552N                | 2402-01364        | 00000/0000 2-20021/0789                 | 02/28/76         | 10                  | 5596            | 44.7         | 119.6        | GGGG                  |                     |                      | 125                   | 49                   |
| 12018E 3130S                | 2502-01014        | 00000/0000 2-20026/1168                 | 06/07/76         | 80                  | 6990            | 21.3         | 43.4         | FGGG                  |                     |                      | 125                   | 49                   |
| 12017E 3148N                | 2459-01473        | 00000/0000 2-20024/0536                 | 04/25/76         | 10                  | 6391            | 55.1         | 114.8        | GGGG                  |                     |                      | 117                   | 82                   |
| 12017E 0954N                | 2383-01330        | 00000/0000 2-20020/1202                 | 02/09/76         | 90                  | 5331            | 43.3         | 121.6        | GGGG                  |                     |                      | 128                   | 38                   |
| 12017E 3134S                | 2520-01011        | 00000/0000 2-20028/0028                 | 06/25/76         | 10                  | 7241            | 20.2         | 43.8         | FGGG                  |                     |                      | 124                   | 53                   |
| 12017E 3137S                | 2538-01004        | 00000/0000 2-20028/1821                 | 07/13/76         | 20                  | 7492            | 20.8         | 45.5         | GGGG                  |                     |                      | 117                   | 82                   |
| 12016E 4442N                | 2462-02005        | 00000/0000 2-20024/0837                 | 04/28/76         | 10                  | 6433            | 50.9         | 132.2        | PPPP                  |                     |                      | 117                   | 82                   |
| 12016E 1549N                | 2366-01372        | 00000/0000 2-20020/0130                 | 01/23/76         | 40                  | 5094            | 38.3         | 132.1        | GGGG                  |                     |                      | 131                   | 29                   |
| 12015E 4440N                | 2444-02012        | 00000/0000 2-20027/1536                 | 04/10/76         | 20                  | 6182            | 45.2         | 135.9        | GGGG                  |                     |                      | 125                   | 49                   |
| 12014E 3150N                | 2441-01480        | 00000/0000 2-20027/1568                 | 04/07/76         | 10                  | 6140            | 50.2         | 121.8        | GGGG                  |                     |                      | 131                   | 29                   |
| 12013E 3149N                | 2711-01393        | 00000/0000 2-20030/0469                 | 01/02/77         | 100                 | 9905            | 25.4         | 143.4        | GGFG                  |                     |                      | 128                   | 38                   |
| 12013E 1536N                | 2384-01371        | 00000/0000 2-20020/1258                 | 02/10/76         | 20                  | 5345            | 41.0         | 126.2        | GGGG                  |                     |                      | 128                   | 38                   |
| 12013E 3136S                | 2610-00589        | 00000/0000 2-20030/1674                 | 09/23/76         | 10                  | 8496            | 38.4         | 60.9         | FFGG                  |                     |                      | 125                   | 49                   |
| 12013E 6800S                | 2415-23543        | 00000/0000 2-20027/0035                 | 03/12/76         | 0                   | 5790            | 12.4         | 66.3         | GGFG                  |                     |                      | 117                   | 82                   |
| 12012E 4433N                | 2480-02002        | 00000/0000 2-20025/0558                 | 05/16/76         | 0                   | 6684            | 55.1         | 127.6        | GGGG                  |                     |                      | 103                   | 108                  |
| 12012E 3146N                | 2693-01401        | 00000/0000 2-20037/0835                 | 12/15/76         | 0                   | 9654            | 26.3         | 145.6        | GGGG                  |                     |                      | 131                   | 29                   |
| 12012E 3142N                | 2423-01483        | 00000/0000 2-20022/0266                 | 03/20/76         | 10                  | 5889            | 44.4         | 127.6        | FGGG                  |                     |                      | 128                   | 38                   |
| 12012E 3138N                | 2657-01414        | 00000/0000 2-20036/0078                 | 11/09/76         | 10                  | 9152            | 33.4         | 144.6        | GGGG                  |                     |                      | 128                   | 38                   |
| 12011E 4441N                | 2588-01572        | 00000/0000 2-20032/0431                 | 09/01/76         | 90                  | 8190            | 45.1         | 134.9        | FGGG                  |                     |                      | 128                   | 38                   |
| 12011E 4437N                | 2570-01580        | 00000/0000 2-20030/1235                 | 08/14/76         | 60                  | 7939            | 49.7         | 128.7        | GGGG                  |                     |                      | 131                   | 29                   |
| 12011E 3146N                | 2729-01385        | 00000/0000 2-20034/1526                 | 01/20/77         | 90                  | 156             | 26.7         | 139.9        | GGGG                  |                     |                      | 131                   | 29                   |
| 12011E 3143N                | 2603-01433        | 00000/0000 2-20032/1360                 | 09/16/76         | 90                  | 8399            | 47.7         | 126.9        | GGGG                  |                     |                      | 128                   | 38                   |
| 12011E 3132S                | 2646-00572        | 00000/0000 2-20035/0249                 | 10/28/76         | 70                  | 8998            | 48.1         | 74.0         | GGGG                  |                     |                      | 128                   | 38                   |
| 12010E 3607N                | 2460-01515        | 00000/0000 2-20024/1143                 | 04/26/76         | 40                  | 6405            | 34.0         | 120.9        | GGGG                  |                     |                      | 117                   | 82                   |
| 12010E 3137S                | 2654-00564        | 00000/0000 2-20036/0748                 | 11/16/76         | 30                  | 9249            | 50.4         | 81.3         | GGGG                  |                     |                      | 129                   | 35                   |
| 12009E 4430N                | 2552-01583        | 00000/0000 2-20030/0185                 | 07/27/76         | 10                  | 7688            | 53.4         | 123.5        | GGGG                  |                     |                      | 117                   | 82                   |
| 12009E 3140S                | 2682-00555        | 00000/0000 2-20036/1855                 | 12/04/76         | 20                  | 9500            | 50.5         | 87.1         | GGGG                  |                     |                      | 131                   | 29                   |
| 12008E 4429N                | 2534-01590        | 00000/0000 2-20028/1569                 | 07/09/76         | 80                  | 7437            | 56.1         | 120.5        | FGGG                  |                     |                      | 117                   | 82                   |
| 12008E 4026N                | 2461-01562        | 00000/0000 2-20024/0167                 | 04/27/76         | 0                   | 6419            | 52.6         | 126.7        | GGGG                  |                     |                      | 131                   | 29                   |
| 12008E 3603N                | 2478-01513        | 00000/0000 2-20025/0302                 | 05/14/76         | 0                   | 6656            | 57.6         | 114.2        | GGFG                  |                     |                      | 130                   | 32                   |
|                             |                   |                                         |                  |                     |                 |              |              | GGGG                  |                     |                      | 129                   | 35                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US  
FROM 01/22/76 TO 01/22/77

PAGE 0743

| PRINCIPAL POINT<br>OF IMAGE | SSEERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL.<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               |                       |                             |                  |                     |                 |              |              | 123 45678              |                     |                      |                       |                      |
| 12008E                      | 3142N             | 2675-01410            | 00000/0000                  | 2-20034/1367     | 11/27/76            | 0               | 9403         | 29.2         | 146.2                  | GGGG                |                      | 128                   | 38                   |
| 12008E                      | 3139N             | 2639-01422            | 00000/0000                  | 2-20034/0948     | 10/22/76            | 90              | 8901         | 38.4         | 140.8                  | GGGG                |                      | 128                   | 38                   |
| 12008E                      | 3138N             | 2405-01431            | 00000/0000                  | 2-20021/0965     | 03/02/76            | 10              | 5638         | 38.4         | 132.6                  | GGGG                |                      | 128                   | 35                   |
| 12008E                      | 0847N             | 2455-01317            | 00000/0000                  | 2-20024/0214     | 04/21/76            | 20              | 6335         | 53.8         | 81.9                   | GGGG                |                      | 124                   | 54                   |
| 12008E                      | 0842N             | 2473-01305            | 00000/0000                  | 2-20025/0059     | 05/09/76            | 40              | 6586         | 53.7         | 72.5                   | FFFF                |                      | 124                   | 54                   |
| 12007E                      | 4432N             | 2606-01570            | 00000/0000                  | 2-20037/1460     | 09/19/76            | 70              | 8441         | 39.9         | 140.8                  | GGGG                |                      | 131                   | 29                   |
| 12007E                      | 4018N             | 2479-01555            | 00000/0000                  | 2-20025/0369     | 05/15/76            | 90              | 6670         | 56.6         | 121.1                  | GGGG                |                      | 130                   | 32                   |
| 12007E                      | 3604N             | 2568-01490            | 00000/0000                  | 2-20030/1085     | 08/12/76            | 90              | 7911         | 53.2         | 116.1                  | GGGG                |                      | 129                   | 35                   |
| 12007E                      | 3138N             | 2621-01430            | 00000/0000                  | 2-20034/0309     | 10/04/76            | 20              | 8650         | 43.3         | 134.7                  | GGGG                |                      | 129                   | 35                   |
| 12007E                      | 3135N             | 2369-01500            | 00000/0000                  | 2-20020/0386     | 01/26/76            | 100             | 5136         | 29.1         | 141.2                  | GGGG                |                      | 128                   | 38                   |
| 12007E                      | 0844N             | 2437-01315            | 00000/0000                  | 2-20027/1189     | 04/03/76            | 20              | 6084         | 52.4         | 92.6                   | GGGG                |                      | 124                   | 54                   |
| 12006E                      | 4424N             | 2516-01593            | 00000/0000                  | 2-20027/0109     | 06/21/76            | 10              | 7186         | 57.6         | 120.2                  | GGGG                |                      | 131                   | 29                   |
| 12006E                      | 4024N             | 2443-01555            | 00000/0000                  | 2-20027/1579     | 04/09/76            | 20              | 6168         | 47.1         | 131.5                  | GGGG                |                      | 130                   | 32                   |
| 12006E                      | 4022N             | 2569-01523            | 00000/0000                  | 2-20033/1211     | 08/13/76            | 80              | 7925         | 51.7         | 122.7                  | FGGG                |                      | 130                   | 32                   |
| 12006E                      | 3606N             | 2556-01483            | 00000/0000                  | 2-20037/0349     | 08/30/76            | 10              | 8162         | 49.7         | 124.1                  | GGGG                |                      | 129                   | 35                   |
| 12006E                      | 3606N             | 2712-01435            | 00000/0000                  | 2-20038/0584     | 01/03/77            | 10              | 9919         | 22.4         | 145.2                  | GGGG                |                      | 129                   | 35                   |
| 12006E                      | 1432N             | 2456-01352            | 00000/0000                  | 2-20024/0336     | 04/22/76            | 20              | 6349         | 55.2         | 89.5                   | GGGG                |                      | 125                   | 50                   |
| 12006E                      | 0845N             | 2551-01275            | 00000/0000                  | 2-20030/1835     | 05/25/76            | 90              | 8092         | 52.1         | 83.7                   | GGGG                |                      | 124                   | 54                   |
| 12005E                      | 3559N             | 2550-01493            | 00000/0000                  | 2-20029/0169     | 07/25/76            | 90              | 7660         | 56.0         | 109.4                  | GGGG                |                      | 129                   | 35                   |
| 12005E                      | 3556N             | 2496-01510            | 00000/0000                  | 2-20024/0114     | 06/01/76            | 30              | 6907         | 59.3         | 108.2                  | GGGG                |                      | 129                   | 35                   |
| 12005E                      | 3555N             | 2514-01503            | 00000/0000                  | 2-20026/1896     | 06/19/76            | 90              | 7158         | 59.3         | 104.9                  | GGGG                |                      | 129                   | 35                   |
| 12005E                      | 0842N             | 2563-01282            | 00000/0000                  | 2-20030/0901     | 08/07/76            | 40              | 7841         | 51.0         | 74.6                   | GGGG                |                      | 124                   | 54                   |
| 12005E                      | 0840N             | 2545-01290            | 00000/0000                  | 2-20028/1784     | 07/20/76            | 80              | 7590         | 50.4         | 67.9                   | GGGG                |                      | 124                   | 54                   |
| 12005E                      | 0839N             | 2491-01302            | 00000/0000                  | 2-20026/0219     | 05/27/76            | 50              | 6837         | 52.7         | 66.1                   | QFGG                |                      | 124                   | 54                   |
| 12005E                      | 0833N             | 2509-01300            | 00000/0000                  | 2-20026/1473     | 06/14/76            | 80              | 7088         | 51.3         | 63.3                   | GGGG                |                      | 124                   | 54                   |
| 12004E                      | 4015N             | 2497-01553            | 00000/0000                  | 2-20026/0602     | 06/02/76            | 10              | 6921         | 58.6         | 115.8                  | GGGG                |                      | 130                   | 32                   |
| 12004E                      | 3603N             | 2604-01430            | 00000/0000                  | 2-20032/1394     | 09/17/76            | 10              | 8413         | 45.4         | 131.9                  | GGGG                |                      | 129                   | 35                   |
| 12004E                      | 3601N             | 2424-01570            | 00000/0000                  | 2-20027/0348     | 03/21/76            | 10              | 5903         | 42.6         | 131.5                  | FGGG                |                      | 129                   | 35                   |
| 12004E                      | 3601N             | 2694-01444            | 00000/0000                  | 2-20037/0932     | 12/16/76            | 30              | 9668         | 23.1         | 147.5                  | GGGG                |                      | 129                   | 35                   |
| 12004E                      | 0842N             | 2419-01323            | 00000/0000                  | 2-20022/0128     | 03/16/76            | 40              | 5833         | 49.8         | 103.2                  | GGGF                |                      | 124                   | 54                   |
| 12004E                      | 0839N             | 2527-01293            | 00000/0000                  | 2-20025/0523     | 07/02/76            | 30              | 7339         | 50.5         | 64.1                   | GGGG                |                      | 124                   | 54                   |
| 12003E                      | 4731N             | 2463-02054            | 00000/0000                  | 2-20024/1267     | 04/29/76            | 10              | 6447         | 49.7         | 135.7                  | GGGG                |                      | 132                   | 27                   |
| 12003E                      | 4019N             | 2425-01573            | 00000/0000                  | 2-20021/1771     | 03/22/76            | 10              | 5917         | 40.7         | 135.3                  | GGGG                |                      | 130                   | 32                   |
| 12003E                      | 4014N             | 2533-01543            | 00000/0000                  | 2-20028/0899     | 07/08/76            | 100             | 7423         | 57.3         | 113.1                  | FGGG                |                      | 130                   | 32                   |
| 12003E                      | 3604N             | 2730-01431            | 00000/0000                  | 2-20038/1635     | 11/21/77            | 10              | 170          | 24.0         | 141.9                  | GGGF                |                      | 129                   | 35                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=L=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0744

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   |                              |                             |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 12003E 1430N                | 2438-01355        | 00000/0000                   | 2-20022/1228                | 04/04/76         | 10                  | 6098            | 52.9         | 99.9         | GGGG                  |                     |                      | 125                   | 50                   |
| 12003E 1430N                | 2582-01315        | 00000/0000                   | 2-20032/0123                | 08/26/76         | 20                  | 8106            | 53.3         | 92.0         | GGGF                  |                     |                      | 125                   | 50                   |
| 12003E 1427N                | 2474-01345        | 00000/0000                   | 2-20024/1787                | 05/10/76         | 10                  | 6606            | 56.0         | 79.8         | GGGG                  |                     |                      | 125                   | 50                   |
| 12002E 3559N                | 2676-01453        | 00000/0000                   | 2-20036/1396                | 11/28/76         | 0                   | 9417            | 25.8         | 148.3        | GGGG                  |                     |                      | 129                   | 35                   |
| 12002E 3556N                | 2406-01534        | 00000/0000                   | 2-20021/1074                | 03/03/76         | 10                  | 5652            | 36.3         | 135.7        | FFFF                  |                     |                      | 129                   | 35                   |
| 12001E 4021N                | 2587-01530        | 00000/0000                   | 2-20032/0231                | 08/31/76         | 40                  | 8176            | 47.6         | 129.6        | GGGG                  |                     |                      | 130                   | 32                   |
| 12001E 4017N                | 2551-01540        | 00000/0000                   | 2-20030/0044                | 07/26/76         | 80                  | 7674            | 54.9         | 116.7        | GGGG                  |                     |                      | 130                   | 32                   |
| 12001E 4010N                | 2515-01550        | 00000/0000                   | 2-20027/0148                | 06/20/76         | 60                  | 7172            | 58.7         | 112.7        | GGGG                  |                     |                      | 130                   | 32                   |
| 12001E 1427N                | 2546-01330        | 00000/0000                   | 2-20029/0132                | 07/21/76         | 90                  | 7604            | 53.1         | 75.0         | GGGG                  |                     |                      | 125                   | 50                   |
| 12001E 1427N                | 2564-01323        | 00000/0000                   | 2-20030/0969                | 08/08/76         | 90                  | 7855            | 53.1         | 82.2         | GGGF                  |                     |                      | 125                   | 50                   |
| 12001E 0841N                | 2401-01330        | 00000/0000                   | 2-20021/0745                | 02/27/76         | 20                  | 5582            | 46.6         | 112.6        | GGGG                  |                     |                      | 124                   | 54                   |
| 12000E 4018N                | 2605-01523        | 00000/0000                   | 2-20032/0898                | 09/18/76         | 90                  | 8427            | 42.8         | 136.6        | GGGG                  |                     |                      | 130                   | 32                   |
| 12000E 1427N                | 2528-01333        | 00000/0000                   | 2-20024/0543                | 07/03/76         | 40                  | 7353            | 53.5         | 70.8         | GGGG                  |                     |                      | 125                   | 50                   |
| 12000E 0839N                | 2365-01335        | 00000/0000                   | 2-20019/0173                | 01/22/76         | 80                  | 5080            | 41.9         | 126.8        | GGGF                  |                     |                      | 124                   | 54                   |
| 11959E 3556N                | 2622-01473        | 00000/0000                   | 2-20034/0417                | 10/05/76         | 90                  | 8664            | 40.5         | 138.8        | GGGG                  |                     |                      | 129                   | 35                   |
| 11959E 3555N                | 2640-01465        | 00000/0000                   | 2-20034/1016                | 10/23/76         | 60                  | 8915            | 35.2         | 144.0        | GGGG                  |                     |                      | 129                   | 35                   |
| 11959E 3554N                | 2658-01461        | 00000/0000                   | 2-20036/0215                | 11/10/76         | 90                  | 9166            | 30.1         | 147.2        | GGGG                  |                     |                      | 129                   | 35                   |
| 11959E 1428N                | 2420-01363        | 00000/0000                   | 2-20021/1639                | 03/17/76         | 10                  | 5847            | 49.2         | 109.7        | GFFG                  |                     |                      | 125                   | 50                   |
| 11959E 1423N                | 2510-01340        | 00000/0000                   | 2-20026/1583                | 06/15/76         | 20                  | 7102            | 54.4         | 69.9         | GGGG                  |                     |                      | 125                   | 50                   |
| 11958E 4731N                | 2445-02061        | 00000/0000                   | 2-20022/1640                | 04/11/76         | 10                  | 6196            | 43.9         | 138.9        | GGG                   |                     |                      | 132                   | 27                   |
| 11958E 1427N                | 2600-01313        | 00000/0000                   | 2-20032/1107                | 09/13/76         | 90                  | 8357            | 52.9         | 103.1        | GGFG                  |                     |                      | 125                   | 50                   |
| 11957E 1427N                | 2402-01370        | 00000/0000                   | 2-20021/0790                | 02/28/76         | 10                  | 5596            | 45.2         | 118.1        | FGGG                  |                     |                      | 125                   | 50                   |
| 11957E 0827N                | 2383-01333        | 00000/0000                   | 2-20020/1203                | 02/09/76         | 60                  | 5331            | 43.8         | 120.3        | GGGG                  |                     |                      | 124                   | 54                   |
| 11955E 4730N                | 2589-02022        | 00000/0000                   | 2-20032/0517                | 09/02/76         | 10                  | 8204            | 43.2         | 138.2        | GGGG                  |                     |                      | 132                   | 27                   |
| 11955E 1423N                | 2366-01375        | 00000/0000                   | 2-20020/0131                | 01/23/76         | 60                  | 5094            | 39.1         | 131.0        | GFAG                  |                     |                      | 125                   | 50                   |
| 11954E 4723N                | 2481-02052        | 00000/0000                   | 2-20025/0515                | 05/17/76         | 40                  | 6698            | 54.0         | 131.6        | GGGG                  |                     |                      | 132                   | 27                   |
| 11953E 3255S                | 2502-01020        | 00000/0000                   | 2-20026/1169                | 06/07/76         | 70                  | 6990            | 20.1         | 43.3         | GGGG                  |                     |                      | 117                   | 83                   |
| 11952E 4723N                | 2553-02032        | 00000/0000                   | 2-20030/0204                | 07/28/76         | 30                  | 7702            | 52.1         | 128.0        | GGGG                  |                     |                      | 132                   | 27                   |
| 11952E 4718N                | 2499-02045        | 00000/0000                   | 2-20026/0720                | 06/04/76         | 10                  | 6949            | 56.3         | 127.7        | GGGG                  |                     |                      | 132                   | 27                   |
| 11952E 3021N                | 2451-01475        | 00000/0000                   | 2-20024/0537                | 04/25/76         | 10                  | 6391            | 55.4         | 112.6        | GGGG                  |                     |                      | 128                   | 39                   |
| 11952E 3017N                | 2477-01472        | 00000/0000                   | 2-20025/0335                | 05/13/76         | 30                  | 6642            | 58.4         | 104.6        | FGGG                  |                     |                      | 128                   | 39                   |
| 11952E 1411N                | 2384-01373        | 00000/0000                   | 2-20020/1259                | 02/10/76         | 30                  | 5345            | 41.6         | 125.0        | FFGG                  |                     |                      | 125                   | 50                   |
| 11952E 3300S                | 2520-01013        | 00000/0000                   | 2-20024/0029                | 06/25/76         | 60                  | 7241            | 18.9         | 43.7         | GGGG                  |                     |                      | 117                   | 83                   |
| 11952E 3302S                | 2538-01010        | 00000/0000                   | 2-20028/1822                | 07/13/76         | 20                  | 7492            | 19.6         | 45.4         | PPPP                  |                     |                      | 117                   | 83                   |
| 11950E 4724N                | 2607-02015        | 00000/0000                   | 2-20032/1417                | 09/20/76         | 40                  | 8455            | 37.7         | 143.6        | GGGG                  |                     |                      | 132                   | 27                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0745

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11950E 3017N                            | 2531-01460        | 00000/0000 2-20028/0734                            | 07/06/76         | 80                  | 7395            | 58.1         | 95.3         | GGGG                               |                     |                      | 128                   | 39                   |
| 11949E 4716N                            | 2535-02035        | 00000/0000 2-20028/1105                            | 07/10/76         | 20                  | 7451            | 55.0         | 125.2        | FFFF                               |                     |                      | 132                   | 27                   |
| 11949E 3024N                            | 2441-01482        | 00000/0000 2-20027/1469                            | 04/07/76         | 40                  | 6140            | 50.7         | 120.0        | GGGG                               |                     |                      | 128                   | 39                   |
| 11949E 3013N                            | 2495-01470        | 00000/0000 2-20026/0487                            | 05/31/76         | 10                  | 6893            | 59.5         | 97.9         | GGGG                               |                     |                      | 128                   | 39                   |
| 11948E 4714N                            | 2517-02042        | 00000/0000 2-20027/0250                            | 06/22/76         | 50                  | 7200            | 56.6         | 125.1        | GGGG                               |                     |                      | 132                   | 27                   |
| 11948E 3023N                            | 2711-01395        | 00000/0000 2-20038/0470                            | 01/02/77         | 100                 | 9905            | 26.4         | 142.7        | GGGG                               |                     |                      | 128                   | 39                   |
| 11948E 0720N                            | 2455-01314        | 00000/0000 2-20024/0215                            | 04/21/76         | 70                  | 6335            | 53.4         | 80.0         | GGGG                               |                     |                      | 124                   | 55                   |
| 11948E 0715N                            | 2473-01311        | 00000/0000 2-20025/0060                            | 05/09/76         | 20                  | 6586            | 53.1         | 70.7         | FFFF                               |                     |                      | 124                   | 55                   |
| 11947E 3019N                            | 2693-01404        | 00000/0000 2-20037/0836                            | 12/15/76         | 0                   | 9654            | 27.4         | 144.9        | FGGG                               |                     |                      | 128                   | 39                   |
| 11947E 3013N                            | 2513-01463        | 00000/0000 2-20024/1807                            | 06/18/76         | 90                  | 7144            | 59.2         | 94.6         | FGGG                               |                     |                      | 128                   | 39                   |
| 11947E 3012N                            | 2657-01421        | 00000/0000 2-20036/0079                            | 11/09/76         | 30                  | 9152            | 34.5         | 143.8        | GGGG                               |                     |                      | 128                   | 39                   |
| 11947E 3302S                            | 2610-00590        | 00000/0000 2-20032/1675                            | 09/23/76         | 20                  | 8496            | 37.4         | 60.2         | GGGG                               |                     |                      | 117                   | 83                   |
| 11946E 5018N                            | 2464-02104        | 00000/0000 2-20024/1031                            | 04/30/76         | 60                  | 6461            | 48.4         | 139.1        | GGGG                               |                     |                      | 133                   | 25                   |
| 11946E 3019N                            | 2729-01391        | 00000/0000 2-20038/1527                            | 01/20/77         | 90                  | 156             | 27.6         | 139.2        | GGGG                               |                     |                      | 128                   | 39                   |
| 11946E 0718N                            | 2531-01282        | 00000/0000 2-20030/1836                            | 08/25/76         | 80                  | 8092            | 51.7         | 81.9         | GGGG                               |                     |                      | 124                   | 55                   |
| 11946E 0717N                            | 2437-01322        | 00000/0000 2-20027/1190                            | 04/03/76         | 20                  | 6084            | 52.2         | 90.7         | GGGG                               |                     |                      | 124                   | 55                   |
| 11946E 3257S                            | 2646-00575        | 00000/0000 2-20035/0250                            | 10/29/76         | 70                  | 8998            | 47.4         | 72.7         | GGGG                               |                     |                      | 117                   | 83                   |
| 11945E 1305N                            | 2456-01354        | 00000/0000 2-20024/0337                            | 04/22/76         | 20                  | 6349            | 55.0         | 87.4         | FGGG                               |                     |                      | 125                   | 51                   |
| 11945E 0713N                            | 2509-01302        | 00000/0000 2-20026/1474                            | 06/14/76         | 70                  | 7088            | 50.5         | 61.8         | GGGG                               |                     |                      | 124                   | 55                   |
| 11945E 0712N                            | 2545-01292        | 00000/0000 2-20028/1785                            | 07/20/76         | 60                  | 7590            | 49.6         | 66.4         | GGGG                               |                     |                      | 124                   | 55                   |
| 11945E 3302S                            | 2664-00570        | 00000/0000 2-20026/0220                            | 05/27/76         | 10                  | 6837            | 51.8         | 64.5         | FFGG                               |                     |                      | 124                   | 55                   |
| 11944E 0714N                            | 2563-01285        | 00000/0000 2-20036/0749                            | 11/16/76         | 0                   | 9249            | 49.9         | 79.8         | GGGG                               |                     |                      | 117                   | 83                   |
| 11944E 0713N                            | 2527-01295        | 00000/0000 2-20030/0902                            | 08/07/76         | 30                  | 7841            | 50.4         | 72.9         | GGGG                               |                     |                      | 124                   | 55                   |
| 11944E 3306S                            | 2682-00562        | 00000/0000 2-20028/0524                            | 07/02/76         | 20                  | 7339            | 49.6         | 62.6         | GGGG                               |                     |                      | 124                   | 55                   |
| 11943E 5014N                            | 2554-02081        | 00000/0000 2-20036/1856                            | 12/04/76         | 40                  | 9500            | 50.2         | 85.6         | FFGG                               |                     |                      | 117                   | 83                   |
| 11943E 4316N                            | 2462-02011        | 00000/0000 2-20030/0359                            | 07/29/76         | 100                 | 7716            | 50.6         | 132.2        | GGGG                               |                     |                      | 133                   | 25                   |
| 11943E 3440N                            | 2460-01522        | 00000/0000 2-20024/0838                            | 04/28/76         | 20                  | 6433            | 51.6         | 130.3        | GGGG                               |                     |                      | 131                   | 30                   |
| 11943E 3016N                            | 2675-01412        | 00000/0000 2-20024/1144                            | 04/26/76         | 20                  | 6405            | 54.5         | 118.8        | GGGG                               |                     |                      | 129                   | 36                   |
| 11943E 3014N                            | 2639-01425        | 00000/0000 2-20036/1368                            | 11/27/76         | 0                   | 9403            | 30.2         | 145.4        | GGGG                               |                     |                      | 128                   | 39                   |
| 11943E 3013N                            | 2405-01493        | 00000/0000 2-20034/0949                            | 10/22/76         | 100                 | 8901            | 39.3         | 139.7        | GGGG                               |                     |                      | 128                   | 39                   |
| 11943E 1300N                            | 2474-01352        | 00000/0000 2-20021/0966                            | 03/02/76         | 10                  | 5638            | 39.2         | 131.4        | FGGG                               |                     |                      | 125                   | 51                   |
| 11942E 5019N                            | 2590-02071        | 00000/0000 2-20024/1788                            | 05/10/76         | 10                  | 6600            | 55.5         | 77.8         | GGGG                               |                     |                      | 133                   | 25                   |
| 11942E 4315N                            | 2444-02015        | 00000/0000 2-20037/0543                            | 09/03/76         | 10                  | 8218            | 41.2         | 141.4        | GGGG                               |                     |                      | 131                   | 30                   |
| 11942E 3012N                            | 2621-01433        | 00000/0000 2-20022/1537                            | 04/10/76         | 0                   | 6182            | 46.0         | 134.4        | GGGG                               |                     |                      | 128                   | 39                   |
|                                         |                   | 00000/0000 2-20034/0310                            | 10/04/76         | 30                  | 8650            | 44.1         | 133.4        | GGGG                               |                     |                      |                       |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 20, 1977

LANHSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0746

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL | MSS   | MSS  | ORBIT | FRAME |
|-----------------------------|-------|-------------------|-----------------------------------------|--------------|------------------|---------------------|-----------------|--------------|--------------|------------|-------|------|-------|-------|
| LONG                        | LAT   |                   | RBV                                     | MSS          |                  |                     |                 |              |              | RBV        | MSS   | DATA | IMAGE | PATH  |
|                             |       |                   |                                         |              |                  |                     |                 |              |              | 123        | 45678 | MODE | NUM.  | NUM.  |
| 11942E                      | 1303N | 2438-01362        | 00000/0000                              | 2-20022/1229 | 04/04/76         | 10                  | 6098            | 52.9         | 97.9         |            |       |      |       |       |
| 11942E                      | 1303N | 2582-01322        | 00000/0000                              | 2-20032/0124 | 08/26/76         | 30                  | 8106            | 53.1         | 90.0         | GGGG       |       |      | 123   | 51    |
| 11941E                      | 3437N | 2478-01515        | 00000/0000                              | 2-20025/0303 | 05/14/76         | 10                  | 6656            | 57.9         | 111.8        | GGGF       |       |      | 123   | 51    |
| 11941E                      | 3431N | 2532-01503        | 00000/0000                              | 2-20024/0763 | 07/07/76         | 90                  | 7409            | 58.1         | 102.9        | GFGG       |       |      | 129   | 36    |
| 11941E                      | 0714N | 2401-01332        | 00000/0000                              | 2-20021/0746 | 02/27/76         | 50                  | 5582            | 46.9         | 111.0        | GGGF       |       |      | 129   | 36    |
| 11940E                      | 4312N | 2570-01582        | 00000/0000                              | 2-20030/1239 | 08/14/76         | 80                  | 7939            | 50.3         | 126.8        | GGGG       |       |      | 124   | 55    |
| 11940E                      | 3440N | 2586-01485        | 00000/0000                              | 2-20032/0350 | 08/30/76         | 20                  | 8162            | 50.2         | 122.2        | GGGG       |       |      | 131   | 30    |
| 11940E                      | 3438N | 2568-01493        | 00000/0000                              | 2-20030/1086 | 08/12/76         | 60                  | 7911            | 53.6         | 114.0        | GGGG       |       |      | 129   | 36    |
| 11940E                      | 1300N | 2492-01345        | 00000/0000                              | 2-20026/0308 | 05/28/76         | 90                  | 6851            | 54.8         | 71.1         | GGGF       |       |      | 129   | 36    |
| 11940E                      | 1300N | 2546-01332        | 00000/0000                              | 2-20029/0133 | 07/21/76         | 90                  | 7604            | 52.5         | 73.2         | GGGF       |       |      | 125   | 51    |
| 11940E                      | 1300N | 2564-01325        | 00000/0000                              | 2-20030/0970 | 08/08/76         | 90                  | 7855            | 52.7         | 80.3         | GGGG       |       |      | 125   | 51    |
| 11940E                      | 0713N | 2365-01341        | 00000/0000                              | 2-20019/0174 | 01/22/76         | 90                  | 5080            | 42.6         | 125.6        | FGGG       |       |      | 125   | 51    |
| 11939E                      | 4316N | 2538-01575        | 00000/0000                              | 2-20032/0432 | 09/01/76         | 50                  | 8190            | 45.9         | 133.3        | GGGF       |       |      | 124   | 55    |
| 11939E                      | 4307N | 2480-02005        | 00000/0000                              | 2-20025/0559 | 05/16/76         | 0                   | 6684            | 55.7         | 125.3        | GGGG       |       |      | 131   | 30    |
| 11939E                      | 3900N | 2461-01565        | 00000/0000                              | 2-20024/0158 | 04/27/76         | 10                  | 6419            | 53.2         | 124.7        | GGGG       |       |      | 131   | 30    |
| 11939E                      | 3431N | 2496-01513        | 00000/0000                              | 2-20026/0115 | 06/01/76         | 80                  | 6907            | 59.5         | 105.6        | FGGG       |       |      | 130   | 33    |
| 11939E                      | 3429N | 2514-01510        | 00000/0000                              | 2-20026/1897 | 06/19/76         | 90                  | 7158            | 59.4         | 102.3        | GGGG       |       |      | 129   | 36    |
| 11939E                      | 1846N | 2493-01385        | 00000/0000                              | 2-20026/0378 | 05/29/76         | 70                  | 6865            | 57.2         | 79.0         | GFGG       |       |      | 129   | 36    |
| 11939E                      | 1302N | 2420-01365        | 00000/0000                              | 2-20021/1704 | 03/17/76         | 10                  | 5847            | 49.5         | 107.9        | GGGF       |       |      | 124   | 47    |
| 11939E                      | 1300N | 2528-01335        | 00000/0000                              | 2-20021/0544 | 07/03/76         | 20                  | 7353            | 52.8         | 69.0         | FFFF       |       |      | 125   | 51    |
| 11939E                      | 1256N | 2510-01342        | 00000/0000                              | 2-20026/1584 | 06/15/76         | 60                  | 7102            | 53.7         | 68.1         | GGGG       |       |      | 125   | 51    |
| 11938E                      | 3433N | 2550-01500        | 00000/0000                              | 2-20029/0170 | 07/25/76         | 20                  | 7660            | 56.2         | 107.1        | FGGG       |       |      | 125   | 51    |
| 11937E                      | 5009N | 2536-02084        | 00000/0000                              | 2-20029/0013 | 07/11/76         | 10                  | 7465            | 53.7         | 129.8        | GGGG       |       |      | 129   | 36    |
| 11937E                      | 4307N | 2426-02022        | 00000/0000                              | 2-20021/1793 | 03/23/76         | 0                   | 5931            | 39.4         | 137.7        | FGGG       |       |      | 133   | 25    |
| 11937E                      | 4306N | 2552-01585        | 00000/0000                              | 2-20030/0186 | 07/27/76         | 0                   | 7688            | 53.9         | 121.3        | GGGG       |       |      | 131   | 30    |
| 11937E                      | 3857N | 2559-01535        | 00000/0000                              | 2-20030/1212 | 08/13/76         | 90                  | 7925            | 52.2         | 120.7        | GGGG       |       |      | 131   | 30    |
| 11937E                      | 3853N | 2479-01562        | 00000/0000                              | 2-20025/0370 | 05/15/76         | 40                  | 6670            | 57.0         | 118.7        | FGGG       |       |      | 130   | 33    |
| 11937E                      | 3438N | 2730-01434        | 00000/0000                              | 2-20032/1395 | 09/17/76         | 40                  | 8413            | 46.1         | 130.5        | GGGG       |       |      | 130   | 33    |
| 11937E                      | 3437N | 2604-01482        | 00000/0000                              | 2-20038/1630 | 01/21/77         | 20                  | 170             | 24.9         | 141.2        | GGGG       |       |      | 129   | 36    |
| 11937E                      | 3436N | 2694-01450        | 00000/0000                              | 2-20037/0933 | 12/16/76         | 10                  | 9668            | 24.2         | 146.8        | FFFF       |       |      | 129   | 36    |
| 11937E                      | 3435N | 2424-01533        | 00000/0000                              | 2-20027/0349 | 03/21/76         | 10                  | 5903            | 43.4         | 130.2        | FGGG       |       |      | 129   | 36    |
| 11937E                      | 1301N | 2402-01373        | 00000/0000                              | 2-20021/0791 | 02/28/76         | 20                  | 5596            | 45.6         | 116.7        | GGGG       |       |      | 129   | 36    |
| 11937E                      | 1259N | 2600-01315        | 00000/0000                              | 2-20032/1108 | 09/13/76         | 90                  | 8357            | 52.9         | 101.1        | FFFF       |       |      | 125   | 51    |
| 11936E                      | 5001N | 2518-02092        | 00000/0000                              | 2-20027/0425 | 06/23/76         | 40                  | 7214            | 55.4         | 129.7        | GFGG       |       |      | 125   | 51    |
| 11936E                      | 3859N | 2443-01572        | 00000/0000                              | 2-20022/1580 | 04/09/76         | 10                  | 6168            | 47.8         | 129.8        | GGGG       |       |      | 133   | 28    |
|                             |       |                   |                                         |              |                  |                     |                 |              |              | GFGG       |       |      | 130   | 33    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11936E 0701N                            | 2383-01335        | 00000/0000                   | 2-20020/1204               | 02/09/76         | 40                  | 5331            | 44.3         | 119.0        | FGFF                               |                     |                      | 124                   | 55                   |
| 11935E 4307N                            | 2606-01572        | 00000/0000                   | 2-20032/1461               | 09/19/76         | 20                  | 8441            | 40.8         | 139.5        | GGFG                               |                     |                      | 131                   | 30                   |
| 11935E 4303N                            | 2534-01592        | 00000/0000                   | 2-20028/1570               | 07/09/76         | 70                  | 7437            | 56.6         | 118.1        | GGGG                               |                     |                      | 131                   | 30                   |
| 11935E 4300N                            | 2516-02000        | 00000/0000                   | 2-20027/0110               | 06/21/76         | 30                  | 7186            | 58.0         | 117.7        | FGGG                               |                     |                      | 131                   | 30                   |
| 11935E 3857N                            | 2713-01485        | 00000/0000                   | 2-20038/0595               | 01/04/77         | 10                  | 9933            | 20.4         | 146.3        | FGGF                               |                     |                      | 130                   | 33                   |
| 11935E 3849N                            | 2497-01555        | 00000/0000                   | 2-20026/0603               | 06/02/76         | 20                  | 6921            | 58.9         | 113.3        | FGGG                               |                     |                      | 130                   | 33                   |
| 11935E 3433N                            | 2676-01455        | 00000/0000                   | 2-20034/1397               | 11/28/76         | 0                   | 9417            | 26.9         | 147.6        | GGGG                               |                     |                      | 129                   | 36                   |
| 11935E 3431N                            | 2406-01540        | 00000/0000                   | 2-20021/1075               | 03/03/76         | 0                   | 5652            | 37.2         | 134.6        | FGFG                               |                     |                      | 129                   | 36                   |
| 11935E 1256N                            | 2366-01381        | 00000/0000                   | 2-20020/0132               | 01/23/76         | 60                  | 5094            | 39.9         | 129.9        | GGGG                               |                     |                      | 125                   | 51                   |
| 11934E 4302N                            | 2660-01553        | 00000/0000                   | 2-20036/0449               | 11/12/76         | 50                  | 9194            | 24.2         | 151.1        | GGGG                               |                     |                      | 131                   | 30                   |
| 11934E 3853N                            | 2425-01575        | 00000/0000                   | 2-20021/1772               | 03/22/76         | 20                  | 5917            | 41.5         | 134.0        | GGFG                               |                     |                      | 130                   | 33                   |
| 11934E 3852N                            | 2695-01493        | 00000/0000                   | 2-20037/1106               | 12/17/76         | 0                   | 9682            | 20.9         | 148.6        | GGGG                               |                     |                      | 130                   | 33                   |
| 11934E 3849N                            | 2533-01550        | 00000/0000                   | 2-20024/0900               | 07/08/76         | 90                  | 7423            | 57.6         | 110.6        | FGGG                               |                     |                      | 130                   | 33                   |
| 11933E 4301N                            | 2642-01561        | 00000/0000                   | 2-20034/1112               | 10/25/76         | 0                   | 8943            | 29.5         | 148.9        | GGGG                               |                     |                      | 131                   | 30                   |
| 11933E 3855N                            | 2587-01532        | 00000/0000                   | 2-20032/0232               | 08/31/76         | 30                  | 8176            | 48.2         | 128.0        | GGGG                               |                     |                      | 130                   | 33                   |
| 11933E 3844N                            | 2515-01553        | 00000/0000                   | 2-20027/0149               | 06/20/76         | 100                 | 7172            | 58.9         | 110.1        | GGGG                               |                     |                      | 130                   | 33                   |
| 11933E 3429N                            | 2640-01472        | 00000/0000                   | 2-20034/1017               | 10/23/76         | 60                  | 8915            | 36.2         | 143.1        | GGGG                               |                     |                      | 129                   | 36                   |
| 11933E 3429N                            | 2658-01463        | 00000/0000                   | 2-20036/0216               | 11/10/76         | 100                 | 9166            | 31.1         | 146.4        | FGGG                               |                     |                      | 129                   | 36                   |
| 11932E 3856N                            | 2731-01481        | 00000/0000                   | 2-20038/1657               | 01/22/77         | 20                  | 184             | 22.2         | 143.0        | GGGF                               |                     |                      | 130                   | 33                   |
| 11932E 3853N                            | 2605-01525        | 00000/0000                   | 2-20032/0899               | 09/18/76         | 90                  | 8427            | 43.6         | 135.2        | GGGG                               |                     |                      | 130                   | 33                   |
| 11932E 3852N                            | 2677-01502        | 00000/0000                   | 2-20036/1456               | 11/29/76         | 30                  | 9431            | 23.5         | 149.2        | FGFG                               |                     |                      | 130                   | 33                   |
| 11932E 3851N                            | 2551-01543        | 00000/0000                   | 2-20030/0045               | 07/26/76         | 60                  | 7674            | 55.3         | 114.4        | GGGG                               |                     |                      | 130                   | 33                   |
| 11932E 3430N                            | 2622-01475        | 00000/0000                   | 2-20034/0418               | 10/05/76         | 90                  | 8664            | 41.4         | 137.6        | GGGG                               |                     |                      | 129                   | 36                   |
| 11931E 4302N                            | 2624-01565        | 00000/0000                   | 2-20034/0399               | 10/07/76         | 10                  | 8692            | 35.2         | 144.9        | GGGG                               |                     |                      | 131                   | 30                   |
| 11929E 3845N                            | 2641-01514        | 00000/0000                   | 2-20035/0001               | 10/24/76         | 10                  | 8929            | 32.9         | 146.1        | FFFF                               |                     |                      | 130                   | 33                   |
| 11929E 3845N                            | 2659-01510        | 00000/0000                   | 2-20036/0237               | 11/11/76         | 50                  | 9180            | 27.7         | 148.8        | GGGG                               |                     |                      | 130                   | 33                   |
| 11928E 4606N                            | 2463-02061        | 00000/0000                   | 2-20024/1268               | 04/29/76         | 30                  | 6447            | 50.4         | 133.8        | GGGG                               |                     |                      | 132                   | 28                   |
| 11928E 2355N                            | 2459-01482        | 00000/0000                   | 2-20024/0538               | 04/25/76         | 10                  | 6391            | 55.7         | 110.3        | GGGG                               |                     |                      | 128                   | 40                   |
| 11927E 3845N                            | 2623-01522        | 00000/0000                   | 2-20034/0529               | 10/06/76         | 70                  | 8678            | 38.4         | 141.4        | GGGG                               |                     |                      | 130                   | 33                   |
| 11927E 3421S                            | 2502-01023        | 00000/0000                   | 2-20026/1170               | 06/07/76         | 70                  | 6990            | 18.9         | 43.2         | GGGG                               |                     |                      | 117                   | 84                   |
| 11927E 3428S                            | 2538-01013        | 00000/0000                   | 2-20028/1823               | 07/13/76         | 10                  | 7492            | 18.4         | 45.3         | PPPP                               |                     |                      | 117                   | 84                   |
| 11926E 3425S                            | 2520-01020        | 00000/0000                   | 2-20028/0030               | 06/25/76         | 50                  | 7241            | 17.7         | 43.6         | GGGG                               |                     |                      | 117                   | 84                   |
| 11925E 2858N                            | 2441-01485        | 00000/0000                   | 2-20027/1470               | 04/07/76         | 80                  | 6140            | 51.2         | 118.1        | GGGG                               |                     |                      | 128                   | 40                   |
| 11924E 2851N                            | 2423-01492        | 00000/0000                   | 2-20022/0267               | 03/20/76         | 50                  | 5889            | 45.7         | 124.7        | GGGG                               |                     |                      | 128                   | 40                   |
| 11923E 2856N                            | 2211-01402        | 00000/0000                   | 2-20038/0471               | 01/02/77         | 100                 | 9905            | 27.4         | 142.0        | GGGG                               |                     |                      | 128                   | 40                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL |     | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------------------------|--------------|------------------|---------------------|-----------------|--------------|--------------|------------|-----|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                                     | MSS          |                  |                     |                 |              |              | RBV        | MSS |                     |                      |                       |                      |
| 11923E                      | 2847N | 2657-01427        | 00000/0000                              | 2-20036/0080 | 11/09/76         | 10                  | 9152            | 35.4         | 142.9        |            |     |                     |                      |                       |                      |
| 11922E                      | 4606N | 2445-02064        | 00000/0000                              | 2-20027/1641 | 04/11/76         | 10                  | 6196            | 44.7         | 137.3        | GGGG       |     |                     |                      | 128                   | 40                   |
| 11922E                      | 2853N | 2693-01410        | 00000/0000                              | 2-20037/0837 | 12/15/76         | 50                  | 9654            | 28.4         | 144.2        | FGGG       |     |                     |                      | 132                   | 28                   |
| 11922E                      | 2853N | 2729-01394        | 00000/0000                              | 2-20038/1528 | 01/20/77         | 90                  | 156             | 28.5         | 138.4        | GGGG       |     |                     |                      | 128                   | 40                   |
| 11921E                      | 3423S | 2646-00581        | 00000/0000                              | 2-20035/0251 | 10/29/76         | 50                  | 8998            | 46.7         | 71.6         | GGGG       |     |                     |                      | 128                   | 40                   |
| 11921E                      | 3427S | 2610-00592        | 00000/0000                              | 2-20032/1676 | 09/23/76         | 40                  | 8496            | 36.5         | 59.5         | GGGG       |     |                     |                      | 117                   | 84                   |
| 11920E                      | 4605N | 2589-02024        | 00000/0000                              | 2-20032/0518 | 09/02/76         | 60                  | 8204            | 44.0         | 136.7        | GGGG       |     |                     |                      | 117                   | 84                   |
| 11919E                      | 4557N | 2481-02054        | 00000/0000                              | 2-20025/0516 | 05/17/76         | 10                  | 6698            | 54.7         | 129.5        | GGGG       |     |                     |                      | 132                   | 28                   |
| 11919E                      | 2848N | 2639-01431        | 00000/0000                              | 2-20034/0950 | 10/22/76         | 100                 | 8901            | 40.2         | 138.6        | GGGG       |     |                     |                      | 132                   | 28                   |
| 11919E                      | 2847N | 2405-01500        | 00000/0000                              | 2-20021/0967 | 03/02/76         | 10                  | 5638            | 39.9         | 130.2        | GGGG       |     |                     |                      | 128                   | 40                   |
| 11919E                      | 3428S | 2664-00573        | 00000/0000                              | 2-20036/0750 | 11/16/76         | 20                  | 9249            | 49.3         | 78.4         | GGGG       |     |                     |                      | 128                   | 40                   |
| 11918E                      | 4604N | 2571-02031        | 00000/0000                              | 2-20030/1322 | 08/15/76         | 90                  | 7953            | 48.8         | 130.9        | GGGG       |     |                     |                      | 117                   | 84                   |
| 11918E                      | 2846N | 2621-01435        | 00000/0000                              | 2-20034/0311 | 10/04/76         | 20                  | 8650            | 44.9         | 132.0        | GGGG       |     |                     |                      | 132                   | 28                   |
| 11918E                      | 1720N | 2493-01392        | 00000/0000                              | 2-20026/0379 | 05/29/76         | 80                  | 6865            | 56.7         | 76.8         | GGFG       |     |                     |                      | 128                   | 40                   |
| 11918E                      | 3432S | 2682-00564        | 00000/0000                              | 2-20036/1857 | 12/04/76         | 70                  | 9500            | 49.8         | 84.1         | GGGG       |     |                     |                      | 126                   | 48                   |
| 11917E                      | 4558N | 2553-02035        | 00000/0000                              | 2-20030/0205 | 07/28/76         | 10                  | 7702            | 52.7         | 125.9        | FGGF       |     |                     |                      | 117                   | 84                   |
| 11917E                      | 4553N | 2499-02051        | 00000/0000                              | 2-20026/0721 | 06/04/76         | 20                  | 6949            | 56.9         | 125.3        | GGGG       |     |                     |                      | 132                   | 28                   |
| 11917E                      | 3314N | 2460-01524        | 00000/0000                              | 2-20024/1145 | 04/26/76         | 10                  | 6405            | 54.9         | 116.6        | GGGG       |     |                     |                      | 132                   | 28                   |
| 11915E                      | 4551N | 2535-02042        | 00000/0000                              | 2-20028/1106 | 07/10/76         | 50                  | 7451            | 55.6         | 122.9        | GGGG       |     |                     |                      | 129                   | 37                   |
| 11915E                      | 3311N | 2478-01522        | 00000/0000                              | 2-20025/0304 | 05/14/76         | 10                  | 6656            | 58.2         | 109.3        | GGGG       |     |                     |                      | 132                   | 28                   |
| 11915E                      | 3305N | 2532-01505        | 00000/0000                              | 2-20028/0764 | 07/07/76         | 80                  | 7409            | 58.1         | 100.4        | GGGG       |     |                     |                      | 129                   | 37                   |
| 11915E                      | 3009S | 2521-01063        | 00000/0000                              | 2-20027/0495 | 06/26/76         | 10                  | 7255            | 21.3         | 44.0         | GFGG       |     |                     |                      | 129                   | 37                   |
| 11914E                      | 4559N | 2607-02021        | 00000/0000                              | 2-20032/1418 | 09/20/76         | 50                  | 8455            | 38.6         | 142.4        | GGGG       |     |                     |                      | 118                   | 81                   |
| 11914E                      | 0713S | 2705-01163        | 00000/0000                              | 2-20038/0101 | 12/27/76         | 10                  | 9821            | 46.8         | 116.6        | GGGG       |     |                     |                      | 132                   | 28                   |
| 11913E                      | 4550N | 2517-02045        | 00000/0000                              | 2-20027/0251 | 06/22/76         | 20                  | 7200            | 57.1         | 122.7        | GGGG       |     |                     |                      | 122                   | 65                   |
| 11913E                      | 3314N | 2712-01444        | 00000/0000                              | 2-20038/0574 | 01/03/77         | 30                  | 9919            | 24.4         | 143.9        | GGG        |     |                     |                      | 132                   | 28                   |
| 11913E                      | 3304N | 2496-01515        | 00000/0000                              | 2-20026/0116 | 06/01/76         | 90                  | 6907            | 59.6         | 102.9        | GGGG       |     |                     |                      | 129                   | 37                   |
| 11912E                      | 4150N | 2462-02014        | 00000/0000                              | 2-20024/0700 | 04/28/76         | 70                  | 6433            | 52.2         | 128.4        | GGGG       |     |                     |                      | 129                   | 37                   |
| 11912E                      | 3303N | 2514-01512        | 00000/0000                              | 2-20026/1898 | 06/19/76         | 90                  | 7158            | 59.4         | 99.7         | FGGG       |     |                     |                      | 131                   | 31                   |
| 11912E                      | 3010S | 2611-01035        | 00000/0000                              | 2-20032/1811 | 09/24/76         | 40                  | 8510            | 39.6         | 61.9         | GGGG       |     |                     |                      | 129                   | 37                   |
| 11911E                      | 4148N | 2444-02021        | 00000/0000                              | 2-20027/1538 | 04/10/76         | 10                  | 6182            | 46.7         | 132.8        | GGGG       |     |                     |                      | 118                   | 81                   |
| 11911E                      | 3312N | 2604-01485        | 00000/0000                              | 2-20032/1396 | 09/17/76         | 50                  | 8413            | 46.8         | 128.9        | GGGG       |     |                     |                      | 131                   | 31                   |
| 11911E                      | 3312N | 2730-01440        | 00000/0000                              | 2-20038/1637 | 01/21/77         | 80                  | 170             | 25.5         | 140.4        | GGGG       |     |                     |                      | 129                   | 37                   |
| 11911E                      | 3310N | 2424-01535        | 00000/0000                              | 2-20022/0330 | 03/21/76         | 40                  | 5903            | 44.1         | 128.8        | GFGG       |     |                     |                      | 129                   | 37                   |
| 11911E                      | 3309N | 2694-01453        | 00000/0000                              | 2-20037/0934 | 12/16/76         | 0                   | 9668            | 25.2         | 146.2        | G GG       |     |                     |                      | 129                   | 37                   |
|                             |       |                   |                                         |              |                  |                     |                 |              |              | FGFG       |     |                     |                      | 129                   | 37                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 FOR NBN=US  
 FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11910E 3734N                            | 2461-01571        | 00000/0000                   | 2-20024/0169                | 04/27/76         | 70                  | 6419         | 53.7         | 122.7                              | GGGG                |                      | 130                   | 34                   |
| 11910E 3308N                            | 2676-01462        | 00000/0000                   | 2-20034/1398                | 11/28/76         | 10                  | 9417         | 28.0         | 146.9                              | GGGG                |                      | 129                   | 37                   |
| 11910E 3007S                            | 2629-01032        | 00000/0000                   | 2-20034/0612                | 10/12/76         | 90                  | 8761         | 44.9         | 68.3                               | GGGG                |                      | 118                   | 81                   |
| 11910E 3012S                            | 2665-01020        | 00000/0000                   | 2-20036/0852                | 11/17/76         | 30                  | 9263         | 50.9         | 83.2                               | GGGG                |                      | 118                   | 81                   |
| 11909E 4147N                            | 2570-01585        | 00000/0000                   | 2-20030/1240                | 08/14/76         | 80                  | 7939         | 50.9         | 124.9                              | GGGG                |                      | 131                   | 31                   |
| 11909E 3732N                            | 2569-01542        | 00000/0000                   | 2-20030/1213                | 08/13/76         | 90                  | 7925         | 52.6         | 118.6                              | FGGG                |                      | 130                   | 34                   |
| 11909E 3727N                            | 2479-01564        | 00000/0000                   | 2-20025/0371                | 05/15/76         | 10                  | 6670         | 57.4         | 116.3                              | GGGG                |                      | 130                   | 34                   |
| 11909E 3007S                            | 2647-01024        | 00000/0000                   | 2-20035/0203                | 10/30/76         | 30                  | 9012         | 48.9         | 75.7                               | GGGG                |                      | 118                   | 81                   |
| 11908E 4854N                            | 2464-02110        | 00000/0000                   | 2-20024/1032                | 04/30/76         | 50                  | 6461         | 49.2         | 137.3                              | GGGG                |                      | 133                   | 26                   |
| 11908E 4142N                            | 2480-02011        | 00000/0000                   | 2-20025/0564                | 05/16/76         | 0                   | 6684         | 56.2         | 123.1                              | GGGG                |                      | 131                   | 31                   |
| 11908E 3733N                            | 2443-01574        | 00000/0000                   | 2-20022/1531                | 04/09/76         | 70                  | 6168         | 48.5         | 128.2                              | GGGG                |                      | 130                   | 34                   |
| 11908E 3015S                            | 2683-01011        | 00000/0000                   | 2-20037/0071                | 12/05/76         | 0                   | 9514         | 50.8         | 88.9                               | GGGG                |                      | 118                   | 81                   |
| 11907E 4151N                            | 2588-01541        | 00000/0000                   | 2-20032/0433                | 09/01/76         | 60                  | 8190         | 46.6         | 131.7                              | GGGG                |                      | 131                   | 31                   |
| 11907E 3724N                            | 2497-01562        | 00000/0000                   | 2-20026/0604                | 06/02/76         | 0                   | 6921         | 59.2         | 110.7                              | FGGG                |                      | 130                   | 34                   |
| 11907E 3303N                            | 2640-01474        | 00000/0000                   | 2-20034/1018                | 10/23/76         | 90                  | 8915         | 37.1         | 142.1                              | GGGG                |                      | 129                   | 37                   |
| 11907E 3303N                            | 2658-01470        | 00000/0000                   | 2-20036/0217                | 11/10/76         | 100                 | 9166         | 32.2         | 145.6                              | GGGG                |                      | 129                   | 37                   |
| 11906E 4142N                            | 2426-02025        | 00000/0000                   | 2-20021/1794                | 03/23/76         | 0                   | 5931         | 40.3         | 136.4                              | FGGG                |                      | 131                   | 31                   |
| 11906E 4141N                            | 2552-01592        | 00000/0000                   | 2-20030/0187                | 07/27/76         | 10                  | 7688         | 54.4         | 119.1                              | GGGG                |                      | 131                   | 31                   |
| 11906E 3732N                            | 2713-01491        | 00000/0000                   | 2-20030/0696                | 01/04/77         | 10                  | 9933         | 21.4         | 145.6                              | FGGG                |                      | 130                   | 34                   |
| 11906E 3727N                            | 2695-01500        | 00000/0000                   | 2-20037/1107                | 12/17/76         | 0                   | 9682         | 22.0         | 148.0                              | GGGG                |                      | 130                   | 34                   |
| 11906E 3724N                            | 2533-01552        | 00000/0000                   | 2-20025/0901                | 07/08/76         | 100                 | 7423         | 57.8         | 108.1                              | GGGG                |                      | 130                   | 34                   |
| 11906E 3719N                            | 2515-01555        | 00000/0000                   | 2-20027/0150                | 06/20/76         | 100                 | 7172         | 59.1         | 107.5                              | GGGG                |                      | 130                   | 34                   |
| 11906E 3304N                            | 2622-01482        | 00000/0000                   | 2-20034/0419                | 10/05/76         | 80                  | 8664         | 42.2         | 136.4                              | GGGG                |                      | 129                   | 37                   |
| 11905E 3730N                            | 2587-01535        | 00000/0000                   | 2-20032/0233                | 08/31/76         | 10                  | 8176         | 48.9         | 126.2                              | GGGG                |                      | 130                   | 34                   |
| 11905E 3727N                            | 2425-01582        | 00000/0000                   | 2-20021/1773                | 03/22/76         | 80                  | 5917         | 42.2         | 132.7                              | GGGG                |                      | 130                   | 34                   |
| 11904E 4142N                            | 2606-01575        | 00000/0000                   | 2-20032/1462                | 09/19/76         | 10                  | 8441         | 41.6         | 138.2                              | GGGG                |                      | 131                   | 31                   |
| 11904E 4134N                            | 2516-02002        | 00000/0000                   | 2-20027/0111                | 06/21/76         | 80                  | 7186         | 58.4         | 115.2                              | GGGG                |                      | 131                   | 31                   |
| 11904E 3727N                            | 2605-01532        | 00000/0000                   | 2-20032/0900                | 09/18/76         | 90                  | 8427         | 44.4         | 133.8                              | GGGG                |                      | 130                   | 34                   |
| 11904E 3727N                            | 2677-01504        | 00000/0000                   | 2-20036/1457                | 11/29/76         | 10                  | 9431         | 24.5         | 149.0                              | FGGG                |                      | 130                   | 34                   |
| 11904E 3725N                            | 2551-01545        | 00000/0000                   | 2-20030/0046                | 07/26/76         | 70                  | 7674         | 55.6         | 112.1                              | GGGG                |                      | 130                   | 34                   |
| 11904E 2728N                            | 2459-01484        | 00000/0000                   | 2-20024/0539                | 04/25/76         | 20                  | 6391         | 55.9         | 108.1                              | GGGG                |                      | 128                   | 41                   |
| 11903E 4137N                            | 2660-01555        | 00000/0000                   | 2-20036/0450                | 11/12/76         | 100                 | 9194         | 25.3         | 150.4                              | GGGG                |                      | 131                   | 31                   |
| 11903E 3730N                            | 2731-01483        | 00000/0000                   | 2-20038/1658                | 01/22/77         | 40                  | 184          | 23.2         | 142.4                              | GGGG                |                      | 130                   | 34                   |
| 11902E 4136N                            | 2642-01563        | 00000/0000                   | 2-20034/1113                | 10/25/76         | 0                   | 8943         | 30.5         | 148.1                              | GGGG                |                      | 131                   | 31                   |
| 11901E 3720N                            | 2407-01585        | 00000/0000                   | 2-20021/1025                | 03/04/76         | 0                   | 5666         | 35.9         | 136.5                              | FFFF                |                      | 130                   | 34                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANKS)=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SARIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11901E 3720N                            | 2659-01513        | 00000/0000                   | 2-20036/0238                | 11/11/76         | 60                  | 9180            | 28.8         | 148.1        | GGGG                               |                     |                      | 130                   | 34                   |
| 11901E 2732N                            | 2441-01491        | 00000/0000                   | 2-20022/1471                | 04/07/76         | 90                  | 6140            | 51.6         | 116.3        | FGGG                               |                     |                      | 128                   | 41                   |
| 11900E 4137N                            | 2624-01571        | 00000/0000                   | 2-20034/0400                | 10/07/76         | 10                  | 8692            | 36.2         | 143.9        | GGGG                               |                     |                      | 131                   | 31                   |
| 11900E 3720N                            | 2641-01521        | 00000/0000                   | 2-20035/0068                | 10/24/76         | 30                  | 8929            | 33.9         | 145.2        | GGGG                               |                     |                      | 130                   | 34                   |
| 11900E 2730N                            | 2711-01404        | 00000/0000                   | 2-20038/0472                | 01/02/77         | 100                 | 9905            | 28.3         | 141.3        | GGGG                               |                     |                      | 128                   | 41                   |
| 11900E 2725N                            | 2423-01495        | 00000/0000                   | 2-20022/0268                | 03/20/76         | 100                 | 5889            | 46.3         | 123.1        | GGGG                               |                     |                      | 128                   | 41                   |
| 11859E 4844N                            | 2536-02091        | 00000/0000                   | 2-20029/0014                | 07/11/76         | 10                  | 7465            | 54.3         | 127.6        | GGGG                               |                     |                      | 133                   | 26                   |
| 11859E 3719N                            | 2623-01525        | 00000/0000                   | 2-20034/0530                | 10/06/76         | 90                  | 8678            | 39.3         | 140.3        | GGGG                               |                     |                      | 130                   | 34                   |
| 11859E 2727N                            | 2693-01413        | 00000/0000                   | 2-20037/0838                | 12/15/76         | 100                 | 9654            | 29.4         | 143.5        | GGGG                               |                     |                      | 128                   | 41                   |
| 11859E 2727N                            | 2729-01400        | 00000/0000                   | 2-20038/1529                | 01/20/77         | 90                  | 156             | 29.4         | 137.7        | GGGG                               |                     |                      | 128                   | 41                   |
| 11859E 2721N                            | 2657-01430        | 00000/0000                   | 2-20036/0081                | 11/09/76         | 10                  | 9182            | 36.4         | 141.9        | GGGG                               |                     |                      | 128                   | 41                   |
| 11857E 1554N                            | 2493-01394        | 00000/0000                   | 2-20026/0380                | 05/29/76         | 90                  | 6865            | 56.1         | 74.7         | GGGG                               |                     |                      | 126                   | 49                   |
| 11856E 2723N                            | 2675-01421        | 00000/0000                   | 2-20036/1369                | 11/27/76         | 60                  | 9403            | 32.3         | 143.9        | GGGF                               |                     |                      | 123                   | 41                   |
| 11855E 2722N                            | 2639-01434        | 00000/0000                   | 2-20034/0951                | 10/22/76         | 100                 | 8901            | 41.1         | 137.5        | GGGG                               |                     |                      | 128                   | 41                   |
| 11855E 2721N                            | 2405-01502        | 00000/0000                   | 2-20021/0968                | 03/02/76         | 30                  | 5638            | 40.6         | 129.0        | GGGG                               |                     |                      | 128                   | 41                   |
| 11854E 4441N                            | 2463-02063        | 00000/0000                   | 2-20024/1269                | 04/29/76         | 90                  | 3447            | 51.2         | 132.0        | GGGG                               |                     |                      | 132                   | 29                   |
| 11854E 2720N                            | 2621-01442        | 00000/0000                   | 2-20030/0312                | 10/04/76         | 10                  | 8680            | 45.7         | 130.6        | GGGG                               |                     |                      | 128                   | 41                   |
| 11854E 0840S                            | 2705-01170        | 00000/0000                   | 2-20038/0102                | 12/27/76         | 20                  | 9821            | 47.2         | 115.2        | GGGG                               |                     |                      | 122                   | 66                   |
| 11852E 3148N                            | 2460-01531        | 00000/0000                   | 2-20024/1146                | 04/26/76         | 20                  | 6405            | 55.3         | 114.4        | GGGG                               |                     |                      | 129                   | 38                   |
| 11852E 3131S                            | 2503-01072        | 00000/0000                   | 2-20026/0736                | 06/08/76         | 10                  | 7004            | 21.2         | 43.4         | GGGG                               |                     |                      | 118                   | 82                   |
| 11849E 4442N                            | 2445-02070        | 00000/0000                   | 2-20022/1642                | 04/11/76         | 10                  | 6196            | 45.5         | 135.8        | FGG                                |                     |                      | 132                   | 29                   |
| 11849E 3145N                            | 2478-01524        | 00000/0000                   | 2-20025/0305                | 05/14/76         | 30                  | 6656            | 58.4         | 106.8        | GGGG                               |                     |                      | 129                   | 38                   |
| 11849E 3139N                            | 2532-01512        | 00000/0000                   | 2-20028/0765                | 07/07/76         | 80                  | 7409            | 58.1         | 97.9         | GFGG                               |                     |                      | 129                   | 38                   |
| 11848E 3139N                            | 2496-01522        | 00000/0000                   | 2-20026/0117                | 06/01/76         | 100                 | 6907            | 59.6         | 100.3        | GGGG                               |                     |                      | 129                   | 38                   |
| 11847E 4440N                            | 2589-02031        | 00000/0000                   | 2-20032/0519                | 09/02/76         | 30                  | 8204            | 44.8         | 135.2        | GGGG                               |                     |                      | 132                   | 29                   |
| 11847E 3148N                            | 2712-01451        | 00000/0000                   | 2-20038/0575                | 01/03/77         | 80                  | 9919            | 25.4         | 143.2        | FGGG                               |                     |                      | 129                   | 38                   |
| 11847E 3138N                            | 2514-01515        | 00000/0000                   | 2-20026/1899                | 06/19/76         | 90                  | 7158            | 59.3         | 97.0         | GFGG                               |                     |                      | 129                   | 38                   |
| 11847E 3135S                            | 2611-01042        | 00000/0000                   | 2-20032/1812                | 09/24/76         | 0                   | 8510            | 38.7         | 61.2         | GGGG                               |                     |                      | 118                   | 82                   |
| 11846E 3144N                            | 2424-01542        | 00000/0000                   | 2-20022/0331                | 03/21/76         | 70                  | 5903            | 44.7         | 127.3        | G GG                               |                     |                      | 129                   | 38                   |
| 11845E 4439N                            | 2571-02034        | 00000/0000                   | 2-20030/1323                | 08/15/76         | 90                  | 7953            | 49.5         | 129.1        | GGGG                               |                     |                      | 132                   | 29                   |
| 11845E 4432N                            | 2481-02061        | 00000/0000                   | 2-20025/0517                | 05/17/76         | 10                  | 6698            | 55.3         | 127.3        | GGGG                               |                     |                      | 132                   | 29                   |
| 11845E 3146N                            | 2604-01491        | 00000/0000                   | 2-20032/1397                | 09/17/76         | 50                  | 8413            | 47.5         | 127.4        | GGGG                               |                     |                      | 129                   | 38                   |
| 11845E 3146N                            | 2730-01443        | 00000/0000                   | 2-20038/1638                | 01/21/77         | 100                 | 170             | 26.8         | 139.7        | GGGG                               |                     |                      | 129                   | 38                   |
| 11845E 3132S                            | 2629-01034        | 00000/0000                   | 2-20034/0613                | 10/12/76         | 30                  | 8761            | 44.1         | 67.3         | GGGG                               |                     |                      | 118                   | 82                   |
| 11845E 3137S                            | 2665-01022        | 00000/0000                   | 2-20036/0853                | 11/17/76         | 30                  | 9263            | 50.4         | 81.6         | GGGG                               |                     |                      | 118                   | 82                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 11844E                      | 4428N             | 2439-02054            | 03000/0000           | 2-20026/0722     | 06/04/76            | 20              | 6949         | 57.4         | 122.9                 | GGGF                |                      | 132                   | 29                   |
| 11844E                      | 3141N             | 2676-01464            | 03000/0000           | 2-20036/1399     | 11/28/76            | 40              | 9417         | 29.0         | 146.2                 | GGGG                |                      | 129                   | 38                   |
| 11844E                      | 3132S             | 2647-01030            | 03000/0000           | 2-20035/0204     | 10/30/76            | 10              | 9012         | 48.3         | 74.4                  | GGGG                |                      | 118                   | 82                   |
| 11844E                      | 3141S             | 2683-01014            | 03000/0000           | 2-20037/0072     | 12/05/76            | 10              | 9514         | 50.5         | 87.4                  | FGGG                |                      | 118                   | 82                   |
| 11843E                      | 4433N             | 2553-02041            | 03000/0000           | 2-20030/0206     | 07/28/76            | 20              | 7702         | 53.3         | 123.8                 | GGGG                |                      | 132                   | 29                   |
| 11843E                      | 3608N             | 2461-01574            | 03000/0000           | 2-20024/0170     | 04/27/76            | 90              | 6419         | 54.3         | 120.6                 | FFGG                |                      | 130                   | 35                   |
| 11842E                      | 3138N             | 2640-01481            | 03000/0000           | 2-20034/1019     | 10/23/76            | 90              | 8915         | 38.1         | 141.1                 | GGGG                |                      | 129                   | 38                   |
| 11841E                      | 4434N             | 2607-02024            | 03000/0000           | 2-20032/1419     | 09/20/76            | 60              | 8455         | 39.6         | 141.2                 | GGGG                |                      | 132                   | 29                   |
| 11841E                      | 4426N             | 2535-02044            | 03000/0000           | 2-20028/1107     | 07/10/76            | 90              | 7451         | 56.0         | 120.5                 | GGGG                |                      | 132                   | 29                   |
| 11841E                      | 4024N             | 2462-02020            | 03000/0000           | 2-20024/0701     | 04/28/76            | 70              | 6433         | 52.9         | 126.4                 | FGGG                |                      | 131                   | 32                   |
| 11841E                      | 3606N             | 2569-01544            | 03000/0000           | 2-20030/1214     | 08/13/76            | 100             | 7925         | 53.0         | 116.6                 | FFGG                |                      | 130                   | 35                   |
| 11841E                      | 3602N             | 2479-01571            | 03000/0000           | 2-20025/0372     | 05/15/76            | 10              | 6670         | 57.8         | 113.9                 | GGGG                |                      | 130                   | 35                   |
| 11841E                      | 3139N             | 2622-01484            | 03000/0000           | 2-20034/0420     | 10/05/76            | 60              | 8664         | 43.1         | 135.1                 | GGGG                |                      | 129                   | 38                   |
| 11841E                      | 3137N             | 2658-01472            | 03000/0000           | 2-20036/0218     | 11/10/76            | 100             | 9166         | 33.2         | 144.8                 | GGGG                |                      | 129                   | 38                   |
| 11841E                      | 2602N             | 2459-01491            | 03000/0000           | 2-20024/0540     | 04/25/76            | 10              | 6391         | 56.1         | 105.8                 | GGGG                |                      | 128                   | 42                   |
| 11840E                      | 4426N             | 2517-02051            | 03000/0000           | 2-20027/0252     | 06/22/76            | 20              | 7200         | 57.5         | 120.2                 | GGGG                |                      | 132                   | 29                   |
| 11840E                      | 4023N             | 2444-02024            | 03000/0000           | 2-20022/1539     | 04/10/76            | 20              | 6182         | 47.4         | 131.2                 | GGGG                |                      | 131                   | 32                   |
| 11840E                      | 3607N             | 2443-01581            | 03000/0000           | 2-20022/1582     | 04/09/76            | 20              | 6168         | 49.1         | 126.4                 | GGGG                |                      | 130                   | 35                   |
| 11840E                      | 3558N             | 2497-01564            | 03000/0000           | 2-20026/0605     | 06/02/76            | 0               | 6921         | 59.4         | 108.0                 | GGGG                |                      | 130                   | 35                   |
| 11839E                      | 4021N             | 2570-01591            | 03000/0000           | 2-20030/1241     | 08/14/76            | 60              | 7939         | 51.5         | 123.0                 | FFGG                |                      | 131                   | 32                   |
| 11839E                      | 3606N             | 2713-01494            | 03000/0000           | 2-20038/0697     | 01/04/77            | 0               | 9933         | 22.4         | 145.0                 | FGGG                |                      | 130                   | 35                   |
| 11839E                      | 3558N             | 2533-01555            | 03000/0000           | 2-20028/0902     | 07/08/76            | 100             | 7423         | 57.9         | 105.6                 | GGGG                |                      | 130                   | 35                   |
| 11839E                      | 3553N             | 2515-01562            | 03000/0000           | 2-20027/0151     | 06/20/76            | 100             | 7172         | 59.3         | 104.8                 | GGGG                |                      | 130                   | 35                   |
| 11838E                      | 4021N             | 2696-01545            | 03000/0000           | 2-20037/1009     | 12/18/76            | 0               | 9696         | 19.7         | 149.1                 | GGGG                |                      | 131                   | 32                   |
| 11838E                      | 4017N             | 2450-02014            | 03000/0000           | 2-20025/0561     | 05/16/76            | 0               | 6684         | 56.7         | 120.7                 | GGGG                |                      | 131                   | 32                   |
| 11838E                      | 3602N             | 2425-01584            | 03000/0000           | 2-20021/1774     | 03/22/76            | 30              | 5917         | 43.0         | 131.3                 | GGGG                |                      | 130                   | 35                   |
| 11838E                      | 3601N             | 2695-01502            | 03000/0000           | 2-20037/1108     | 12/17/76            | 0               | 9682         | 23.0         | 147.4                 | GGGG                |                      | 130                   | 35                   |
| 11838E                      | 3559N             | 2551-01552            | 03000/0000           | 2-20030/0047     | 07/26/76            | 80              | 7674         | 55.8         | 109.3                 | GGGG                |                      | 130                   | 35                   |
| 11838E                      | 2606N             | 2441-01494            | 03000/0000           | 2-20022/1472     | 04/07/76            | 90              | 6140         | 52.0         | 114.3                 | GGGG                |                      | 128                   | 42                   |
| 11837E                      | 4025N             | 2588-01584            | 03000/0000           | 2-20032/0434     | 09/01/76            | 60              | 8190         | 47.3         | 130.1                 | GGGG                |                      | 131                   | 32                   |
| 11837E                      | 4023N             | 2714-01540            | 03000/0000           | 2-20038/0710     | 01/05/77            | 0               | 9947         | 19.4         | 146.7                 | FGGG                |                      | 131                   | 32                   |
| 11837E                      | 3601N             | 2605-01534            | 03000/0000           | 2-20032/0901     | 09/18/76            | 80              | 8427         | 45.2         | 132.3                 | GGGG                |                      | 130                   | 35                   |
| 11836E                      | 4016N             | 2426-02031            | 03000/0000           | 2-20021/1795     | 03/23/76            | 0               | 5931         | 41.1         | 135.1                 | PGGG                |                      | 131                   | 32                   |
| 11836E                      | 4015N             | 2552-01594            | 03000/0000           | 2-20030/0188     | 07/27/76            | 10              | 7688         | 54.8         | 116.9                 | GGGG                |                      | 131                   | 32                   |
| 11836E                      | 3604N             | 2731-01490            | 03000/0000           | 2-20038/1659     | 01/22/77            | 80              | 184          | 24.2         | 141.7                 | GGGG                |                      | 130                   | 35                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|----------------|-----------------|--------------|--------------|-----------------------|-------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | RBV                   | MSS                  |                  | %              |                 |              |              | 123 45678             | M5DF        |                      |                       |                      |
| 11836E                      | 3602N             | 2677-01511            | 00000/0000           | 2-20036/1458     | 11/29/76       | 0               | 9431         | 25.6         | 148.3                 | FGGG        |                      | 130                   | 35                   |
| 11836E                      | 2604N             | 2711-01411            | 00000/0000           | 2-20038/1473     | 01/02/77       | 100             | 9905         | 29.3         | 140.5                 | GGGG        |                      | 128                   | 42                   |
| 11836E                      | 2601N             | 2729-01433            | 00000/0000           | 2-20038/1530     | 01/20/77       | 90              | 156          | 30.3         | 136.9                 | GGGG        |                      | 128                   | 42                   |
| 11836E                      | 2559N             | 2423-01531            | 00000/0000           | 2-20022/0263     | 03/20/76       | 100             | 5889         | 46.8         | 121.6                 | GGGG        |                      | 128                   | 42                   |
| 11836E                      | 2555N             | 2657-01432            | 00000/0000           | 2-20036/0582     | 11/09/76       | 50              | 9152         | 37.4         | 141.0                 | GGGG        |                      | 128                   | 42                   |
| 11835E                      | 4016N             | 2678-01553            | 00000/0000           | 2-20036/1553     | 11/30/76       | 40              | 9445         | 22.2         | 150.3                 | FGGF        |                      | 131                   | 32                   |
| 11835E                      | 4012N             | 2534-02001            | 00000/0000           | 2-20028/1571     | 07/09/76       | 70              | 7437         | 57.2         | 113.2                 | GGGG        |                      | 131                   | 32                   |
| 11835E                      | 2601N             | 2693-01415            | 00000/0000           | 2-20037/0839     | 12/15/76       | 100             | 9654         | 30.4         | 142.8                 | GGGG        |                      | 128                   | 42                   |
| 11834E                      | 4017N             | 2636-01581            | 00000/0000           | 2-20032/1463     | 09/19/76       | 10              | 8441         | 42.5         | 136.9                 | GGGG        |                      | 131                   | 32                   |
| 11834E                      | 4009N             | 2516-02005            | 00000/0000           | 2-20027/0112     | 06/21/76       | 90              | 7186         | 58.7         | 112.6                 | GGGG        |                      | 131                   | 32                   |
| 11834E                      | 3555N             | 2407-01592            | 00000/0000           | 2-20021/1026     | 03/04/76       | 0               | 5666         | 36.7         | 135.5                 | FGGG        |                      | 130                   | 35                   |
| 11834E                      | 2559N             | 2603-01451            | 00000/0000           | 2-20032/1361     | 09/16/76       | 60              | 8399         | 50.1         | 120.1                 | GGGG        |                      | 128                   | 42                   |
| 11834E                      | 1007S             | 2705-01172            | 00000/0000           | 2-20038/0103     | 12/27/76       | 20              | 9821         | 47.6         | 113.7                 | GGGG        |                      | 122                   | 67                   |
| 11833E                      | 4012N             | 2660-01562            | 00000/0000           | 2-20036/0451     | 11/12/76       | 100             | 9194         | 26.3         | 149.7                 | GGGG        |                      | 131                   | 32                   |
| 11833E                      | 3554N             | 2641-01523            | 00000/0000           | 2-20035/0109     | 10/24/76       | 20              | 8929         | 34.9         | 144.3                 | GGGG        |                      | 130                   | 35                   |
| 11833E                      | 3554N             | 2659-01515            | 00000/0000           | 2-20036/0239     | 11/11/76       | 50              | 9180         | 29.8         | 147.3                 | GGGG        |                      | 130                   | 35                   |
| 11833E                      | 2557N             | 2675-01424            | 00000/0000           | 2-20036/1370     | 11/27/76       | 60              | 9403         | 33.3         | 143.1                 | GGGG        |                      | 128                   | 42                   |
| 11832E                      | 3553N             | 2623-01531            | 00000/0000           | 2-20034/0531     | 10/06/76       | 90              | 8678         | 40.2         | 130.1                 | GGGG        |                      | 130                   | 35                   |
| 11832E                      | 2555N             | 2639-01440            | 00000/0000           | 2-20034/0952     | 10/22/76       | 100             | 8901         | 42.0         | 136.4                 | GGGG        |                      | 128                   | 42                   |
| 11832E                      | 2554N             | 2405-01505            | 00000/0000           | 2-20021/0969     | 03/02/76       | 50              | 5638         | 41.3         | 127.8                 | GGGG        |                      | 128                   | 42                   |
| 11832E                      | 2554N             | 2621-01444            | 00000/0000           | 2-20034/0313     | 10/04/76       | 40              | 8650         | 46.4         | 129.2                 | GGGG        |                      | 128                   | 42                   |
| 11832E                      | 2551N             | 2369-01514            | 00000/0000           | 2-20020/0387     | 01/26/76       | 50              | 5136         | 32.8         | 137.9                 | GGGG        |                      | 128                   | 42                   |
| 11831E                      | 4011N             | 2642-01570            | 00000/0000           | 2-20034/1114     | 10/25/76       | 0               | 8943         | 31.6         | 147.2                 | FGGG        |                      | 131                   | 32                   |
| 11830E                      | 4012N             | 2624-01574            | 00000/0000           | 2-20034/0401     | 10/07/76       | 20              | 8692         | 37.1         | 142.8                 | GGGG        |                      | 131                   | 32                   |
| 11827E                      | 3023N             | 2460-01533            | 00000/0000           | 2-20024/1147     | 04/26/76       | 30              | 6405         | 55.6         | 112.2                 | GGGG        |                      | 129                   | 39                   |
| 11826E                      | 3256S             | 2503-01074            | 00000/0000           | 2-20026/0737     | 06/08/76       | 70              | 7004         | 20.0         | 43.3                  | GGFG        |                      | 118                   | 83                   |
| 11826E                      | 3308S             | 2557-01061            | 00000/0000           | 2-20030/0396     | 08/01/76       | 80              | 7757         | 22.2         | 48.3                  | GGGG        |                      | 118                   | 83                   |
| 11825E                      | 3019N             | 2478-01531            | 00000/0000           | 2-20025/0306     | 05/14/76       | 50              | 6656         | 58.5         | 104.2                 | GGGG        |                      | 129                   | 39                   |
| 11825E                      | 3014N             | 2532-01514            | 00000/0000           | 2-20028/0766     | 07/07/76       | 90              | 7409         | 58.0         | 95.4                  | GGGG        |                      | 129                   | 39                   |
| 11825E                      | 3300S             | 2521-01072            | 00000/0000           | 2-20027/0496     | 06/26/76       | 10              | 7255         | 18.9         | 43.7                  | GGGG        |                      | 118                   | 83                   |
| 11825E                      | 3305S             | 2575-01054            | 00000/0000           | 2-20030/1546     | 08/19/76       | 90              | 8008         | 26.5         | 51.7                  | GGGG        |                      | 118                   | 83                   |
| 11822E                      | 3022N             | 2712-01453            | 00000/0000           | 2-20038/0576     | 01/03/77       | 100             | 9919         | 26.4         | 142.5                 | GGGG        |                      | 129                   | 39                   |
| 11822E                      | 3013N             | 2514-01521            | 00000/0000           | 2-20026/1900     | 06/19/76       | 80              | 7158         | 59.2         | 94.4                  | GGGG        |                      | 129                   | 39                   |
| 11822E                      | 3012N             | 2426-01524            | 00000/0000           | 2-20026/0118     | 06/01/76       | 90              | 6907         | 59.5         | 97.6                  | GGGG        |                      | 129                   | 39                   |
| 11822E                      | 3300S             | 2611-01044            | 00000/0000           | 2-20032/1813     | 09/24/76       | 0               | 8510         | 37.8         | 60.5                  | GGGG        |                      | 118                   | 83                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RLLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11822E 3304S                            | 2593-01051        | 00000/0000                   | 2-20037/0823                | 09/06/76         | 80                  | 8259            | 31.9         | 55.7         | GGGG                               |                     |                      | 118                   | 83                   |
| 11821E 5021N                            | 2465-02162        | 00000/0000                   | 2-20024/1039                | 05/01/76         | 90                  | 6475            | 48.6         | 138.9        | GGGG                               |                     |                      | 134                   | 25                   |
| 11821E 4315N                            | 2463-02070        | 00000/0000                   | 2-20024/1270                | 04/29/76         | 100                 | 6447            | 51.9         | 130.0        | GGFG                               |                     |                      | 132                   | 30                   |
| 11821E 3017N                            | 2424-01544        | 00000/0000                   | 2-20027/0332                | 03/21/76         | 20                  | 5903            | 45.4         | 125.8        | G GG                               |                     |                      | 129                   | 39                   |
| 11820E 3020N                            | 2730-01445        | 00000/0000                   | 2-20038/1639                | 01/21/77         | 100                 | 170             | 27.7         | 139.0        | GGGG                               |                     |                      | 129                   | 39                   |
| 11820E 3019N                            | 2604-01494        | 00000/0000                   | 2-20037/1398                | 09/17/76         | 30                  | 8413            | 48.2         | 125.7        | GGGG                               |                     |                      | 129                   | 39                   |
| 11820E 3017N                            | 2694-01467        | 00000/0000                   | 2-20037/0860                | 12/16/76         | 20                  | 9668            | 27.3         | 144.8        | GGGG                               |                     |                      | 129                   | 39                   |
| 11820E 3257S                            | 2629-01041        | 00000/0000                   | 2-20034/0614                | 10/12/76         | 40                  | 8761            | 43.3         | 66.3         | GGGG                               |                     |                      | 118                   | 83                   |
| 11819E 3015N                            | 2676-01471        | 00000/0000                   | 2-20036/1400                | 11/28/76         | 20                  | 9417            | 30.0         | 145.4        | GGGG                               |                     |                      | 129                   | 39                   |
| 11819E 3257S                            | 2647-01033        | 00000/0000                   | 2-20035/0205                | 10/30/76         | 20                  | 9012            | 47.6         | 73.1         | GGGG                               |                     |                      | 118                   | 83                   |
| 11819E 3302S                            | 2665-01025        | 00000/0000                   | 2-20036/0854                | 11/17/76         | 40                  | 9263            | 49.9         | 80.2         | GGGG                               |                     |                      | 118                   | 83                   |
| 11818E 2436N                            | 2459-01493        | 00000/0000                   | 2-20024/0541                | 04/25/76         | 10                  | 6391            | 56.2         | 103.5        | GGGG                               |                     |                      | 128                   | 43                   |
| 11818E 3306S                            | 2683-01020        | 00000/0000                   | 2-20037/0073                | 12/05/76         | 20                  | 9514            | 50.1         | 85.8         | GGGG                               |                     |                      | 118                   | 83                   |
| 11817E 3012N                            | 2640-01483        | 00000/0000                   | 2-20034/1020                | 10/23/76         | 90                  | 8915            | 39.0         | 140.0        | GGGG                               |                     |                      | 129                   | 39                   |
| 11816E 5021N                            | 2591-02125        | 00000/0000                   | 2-20037/0604                | 09/04/76         | 90                  | 8232            | 40.9         | 141.8        | GGGG                               |                     |                      | 134                   | 25                   |
| 11816E 4316N                            | 2445-02073        | 00000/0000                   | 2-20027/1643                | 04/11/76         | 50                  | 6196            | 46.3         | 134.2        | GGGG                               |                     |                      | 132                   | 30                   |
| 11816E 3442N                            | 2461-01580        | 00000/0000                   | 2-20024/0171                | 04/27/76         | 90                  | 6419            | 54.7         | 118.4        | FGFG                               |                     |                      | 130                   | 36                   |
| 11816E 3013N                            | 2622-01491        | 00000/0000                   | 2-20034/0421                | 10/05/76         | 20                  | 8664            | 43.9         | 133.8        | GGGG                               |                     |                      | 129                   | 39                   |
| 11816E 2440N                            | 2441-01500        | 00000/0000                   | 2-20027/1473                | 04/07/76         | 80                  | 6140            | 52.3         | 122.4        | GGGG                               |                     |                      | 128                   | 43                   |
| 11815E 5012N                            | 2555-02140        | 00000/0000                   | 2-20030/0362                | 07/30/76         | 100                 | 7730            | 50.4         | 132.4        | FGFG                               |                     |                      | 134                   | 25                   |
| 11815E 3440N                            | 2569-01551        | 00000/0000                   | 2-20030/1215                | 08/13/76         | 90                  | 7925            | 53.4         | 114.5        | FGGG                               |                     |                      | 130                   | 36                   |
| 11814E 4315N                            | 2589-02033        | 00000/0000                   | 2-20037/0520                | 09/02/76         | 20                  | 8204            | 45.6         | 133.6        | GGGG                               |                     |                      | 132                   | 30                   |
| 11814E 3442N                            | 2443-01583        | 00000/0000                   | 2-20027/1583                | 04/09/76         | 10                  | 6168            | 49.7         | 124.7        | FGGG                               |                     |                      | 130                   | 36                   |
| 11814E 3433N                            | 2497-01571        | 00000/0000                   | 2-20026/0606                | 06/02/76         | 0                   | 6921            | 59.5         | 105.4        | GGGG                               |                     |                      | 130                   | 36                   |
| 11813E 5006N                            | 2537-02143        | 00000/0000                   | 2-20028/1198                | 07/12/76         | 10                  | 7479            | 53.6         | 129.8        | PPGF                               |                     |                      | 134                   | 25                   |
| 11813E 4314N                            | 2571-02040        | 00000/0000                   | 2-20030/1324                | 08/15/76         | 90                  | 7953            | 50.1         | 127.2        | GGGG                               |                     |                      | 132                   | 30                   |
| 11813E 4307N                            | 2481-02063        | 00000/0000                   | 2-20025/0518                | 05/17/76         | 30                  | 6698            | 55.9         | 125.0        | GGGG                               |                     |                      | 132                   | 30                   |
| 11813E 2438N                            | 2711-01413        | 00000/0000                   | 2-20038/0474                | 01/07/77         | 100                 | 5905            | 30.2         | 139.8        | GGGG                               |                     |                      | 128                   | 43                   |
| 11813E 2435N                            | 2729-01405        | 00000/0000                   | 2-20038/1531                | 01/20/77         | 50                  | 156             | 31.2         | 136.0        | GGGG                               |                     |                      | 128                   | 43                   |
| 11813E 2433N                            | 2423-01504        | 00000/0000                   | 2-20027/0270                | 03/20/76         | 100                 | 5889            | 47.3         | 120.0        | FGGG                               |                     |                      | 128                   | 43                   |
| 11813E 2429N                            | 2657-01435        | 00000/0000                   | 2-20036/0083                | 11/09/76         | 50                  | 9152            | 38.3         | 140.0        | GGGG                               |                     |                      | 128                   | 43                   |
| 11812E 4308N                            | 2427-02080        | 00000/0000                   | 2-20027/0326                | 03/24/76         | 10                  | 5945            | 39.8         | 137.5        | GGGG                               |                     |                      | 132                   | 30                   |
| 11812E 4303N                            | 2499-02060        | 00000/0000                   | 2-20026/0723                | 06/04/76         | 40                  | 6949            | 57.9         | 120.4        | GGGG                               |                     |                      | 132                   | 30                   |
| 11812E 3859N                            | 2462-02023        | 00000/0000                   | 2-20024/0702                | 04/28/76         | 100                 | 6433            | 53.5         | 124.4        | FGGG                               |                     |                      | 131                   | 33                   |
| 11812E 3434N                            | 2551-01554        | 00000/0000                   | 2-20030/0048                | 07/26/76         | 60                  | 7674            | 56.0         | 107.5        | GGGG                               |                     |                      | 130                   | 36                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 11812E                      | 3432N | 2533-01561        | 00000/0000            | 2-20028/0903         | 07/08/76         | 100                 | 7423            | 58.0         | 103.1        | GGGG                  |                     |                      | 130                   | 36                   |
| 11812E                      | 3427N | 2515-01564        | 00000/0000            | 2-20027/0152         | 06/20/76         | 100                 | 7172            | 59.3         | 102.2        | GGGG                  |                     |                      | 130                   | 36                   |
| 11812E                      | 2434N | 2693-01422        | 00000/0000            | 2-20037/0822         | 12/15/76         | 100                 | 9654            | 31.4         | 142.0        | G GG                  |                     |                      | 128                   | 43                   |
| 11811E                      | 3436N | 2425-01591        | 00000/0000            | 2-20021/1775         | 03/22/76         | 10                  | 5917            | 43.7         | 129.9        | GGGG                  |                     |                      | 130                   | 36                   |
| 11811E                      | 3435N | 2695-01505        | 00000/0000            | 2-20037/1109         | 12/17/76         | 0                   | 9682            | 24.1         | 146.7        | G G                   |                     |                      | 130                   | 36                   |
| 11810E                      | 4308N | 2553-02044        | 00000/0000            | 2-20030/0207         | 07/28/76         | 80                  | 7702            | 53.8         | 121.6        | GGGG                  |                     |                      | 132                   | 30                   |
| 11810E                      | 3858N | 2444-02030        | 00000/0000            | 2-20022/1540         | 04/10/76         | 10                  | 6182            | 48.1         | 129.5        | GGGG                  |                     |                      | 131                   | 33                   |
| 11810E                      | 3855N | 2570-01594        | 00000/0000            | 2-20030/1242         | 08/14/76         | 30                  | 7939            | 52.0         | 121.0        | GGGG                  |                     |                      | 131                   | 33                   |
| 11810E                      | 3438N | 2731-01492        | 00000/0000            | 2-20038/1660         | 01/22/77         | 70                  | 184             | 25.1         | 141.0        | GGGG                  |                     |                      | 130                   | 36                   |
| 11810E                      | 3435N | 2605-01541        | 00000/0000            | 2-20032/0902         | 09/18/76         | 30                  | 8427            | 45.9         | 130.9        | GGGG                  |                     |                      | 130                   | 36                   |
| 11810E                      | 2432N | 2675-01430        | 00000/0000            | 2-20036/1371         | 11/27/76         | 20                  | 9403            | 34.3         | 142.2        | GGGG                  |                     |                      | 128                   | 43                   |
| 11809E                      | 4302N | 2535-02051        | 00000/0000            | 2-20028/1108         | 07/10/76         | 90                  | 7451            | 56.4         | 118.1        | GGGG                  |                     |                      | 132                   | 30                   |
| 11809E                      | 4302N | 2661-02011        | 00000/0000            | 2-20036/0404         | 11/13/76         | 40                  | 9208            | 23.9         | 151.2        | GGGG                  |                     |                      | 132                   | 30                   |
| 11809E                      | 3856N | 2696-01551        | 00000/0000            | 2-20037/1010         | 12/18/76         | 10                  | 9696            | 20.8         | 148.5        | GGGG                  |                     |                      | 131                   | 33                   |
| 11809E                      | 3436N | 2677-01513        | 00000/0000            | 2-20036/1459         | 11/29/76         | 0                   | 9431            | 26.7         | 147.6        | GGG                   |                     |                      | 130                   | 36                   |
| 11809E                      | 2428N | 2405-01511        | 00000/0000            | 2-20021/0970         | 03/02/76         | 40                  | 5638            | 42.0         | 126.5        | FGGG                  |                     |                      | 128                   | 43                   |
| 11809E                      | 2428N | 2639-01443        | 00000/0000            | 2-20034/0953         | 10/22/76         | 100                 | 8901            | 42.8         | 135.2        | GGGG                  |                     |                      | 128                   | 43                   |
| 11808E                      | 4308N | 2607-02030        | 00000/0000            | 2-20032/1420         | 09/20/76         | 60                  | 8455            | 40.5         | 139.9        | GGGG                  |                     |                      | 132                   | 30                   |
| 11808E                      | 4300N | 2517-02054        | 00000/0000            | 2-20027/0253         | 06/22/76         | 10                  | 7200            | 58.0         | 117.7        | GGGG                  |                     |                      | 132                   | 30                   |
| 11808E                      | 3859N | 2588-01590        | 00000/0000            | 2-20032/0435         | 09/01/76         | 60                  | 8190            | 48.0         | 128.4        | GGGG                  |                     |                      | 131                   | 33                   |
| 11808E                      | 3858N | 2714-01543        | 00000/0000            | 2-20038/0711         | 01/05/77         | 0                   | 9947            | 20.4         | 146.1        | GGGF                  |                     |                      | 131                   | 33                   |
| 11808E                      | 3851N | 2480-02020        | 00000/0000            | 2-20025/0562         | 05/16/76         | 0                   | 6684            | 57.2         | 118.3        | GGGG                  |                     |                      | 131                   | 33                   |
| 11807E                      | 3851N | 2426-02034        | 00000/0000            | 2-20021/1796         | 03/23/76         | 0                   | 5931            | 41.9         | 133.8        | FFGG                  |                     |                      | 131                   | 33                   |
| 11807E                      | 3850N | 2552-02001        | 00000/0000            | 2-20030/0189         | 07/27/76         | 70                  | 7688            | 55.1         | 114.6        | GGGG                  |                     |                      | 131                   | 33                   |
| 11807E                      | 3430N | 2407-01594        | 00000/0000            | 2-20021/1027         | 03/04/76         | 0                   | 5666            | 37.5         | 134.3        | FGGG                  |                     |                      | 130                   | 36                   |
| 11807E                      | 3429N | 2659-01522        | 00000/0000            | 2-20036/0240         | 11/11/76         | 60                  | 9180            | 30.9         | 146.5        | GGGG                  |                     |                      | 130                   | 36                   |
| 11806E                      | 4301N | 2643-02015        | 00000/0000            | 2-20035/0117         | 10/26/76         | 0                   | 8957            | 29.2         | 149.1        | GGGG                  |                     |                      | 132                   | 30                   |
| 11806E                      | 3851N | 2678-01560        | 00000/0000            | 2-20036/1564         | 11/30/76         | 40                  | 9445            | 23.3         | 149.6        | FFFF                  |                     |                      | 131                   | 33                   |
| 11806E                      | 3846N | 2534-02034        | 00000/0000            | 2-20028/1572         | 07/09/76         | 50                  | 7437            | 57.5         | 110.7        | GGGG                  |                     |                      | 131                   | 33                   |
| 11806E                      | 3429N | 2641-01530        | 00000/0000            | 2-20035/0110         | 10/24/76         | 30                  | 8929            | 35.9         | 143.3        | FGGG                  |                     |                      | 130                   | 36                   |
| 11806E                      | 3427N | 2623-01534        | 00000/0000            | 2-20034/0532         | 10/06/76         | 70                  | 8678            | 41.1         | 137.9        | GGGG                  |                     |                      | 130                   | 36                   |
| 11805E                      | 4259N | 2625-02023        | 00000/0000            | 2-20034/0540         | 10/08/76         | 30                  | 8706            | 34.9         | 145.2        | GGFF                  |                     |                      | 132                   | 30                   |
| 11805E                      | 3851N | 2606-01584        | 00000/0000            | 2-20032/1464         | 09/19/76         | 10                  | 8441            | 43.3         | 135.5        | GGGG                  |                     |                      | 131                   | 33                   |
| 11805E                      | 3843N | 2516-02011        | 00000/0000            | 2-20027/0113         | 06/21/76         | 90                  | 7186            | 58.9         | 110.0        | GGGG                  |                     |                      | 131                   | 33                   |
| 11804E                      | 3847N | 2660-01564        | 00000/0000            | 2-20036/0452         | 11/12/76         | 100                 | 9194            | 27.4         | 149.0        | FGGG                  |                     |                      | 131                   | 33                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11803E 2857N                            | 2460-01540        | 00000/0000                   | 2-20024/1148                | 04/26/76         | 60                  | 6405            | 55.9         | 109.9        | GGGG                               |                     |                      | 129                   | 40                   |
| 11802E 3846N                            | 2624-01580        | 00000/0000                   | 2-20034/0402                | 10/07/76         | 20                  | 8692            | 38.1         | 141.7        | FGGG                               |                     |                      | 131                   | 33                   |
| 11802E 3845N                            | 2642-01572        | 00000/0000                   | 2-20034/1115                | 10/25/76         | 0                   | 8943            | 32.6         | 146.3        | FGGF                               |                     |                      | 131                   | 33                   |
| 11801E 3422S                            | 2503-01081        | 00000/0000                   | 2-20026/0738                | 06/08/76         | 50                  | 7004            | 18.8         | 43.2         | GGGG                               |                     |                      | 118                   | 84                   |
| 11801E 3429S                            | 2539-01071        | 00000/0000                   | 2-20028/1305                | 07/14/76         | 90                  | 7506            | 18.4         | 45.4         | PPFF                               |                     |                      | 118                   | 84                   |
| 11800E 2853N                            | 2478-01533        | 00000/0000                   | 2-20025/0307                | 05/14/76         | 90                  | 6656            | 58.6         | 01.7         | GGGG                               |                     |                      | 129                   | 40                   |
| 11800E 2848N                            | 2532-01521        | 00000/0000                   | 2-20028/0767                | 07/07/76         | 100                 | 7409            | 57.9         | 92.9         | GGGF                               |                     |                      | 129                   | 40                   |
| 11800E 3426S                            | 2521-01074        | 00000/0000                   | 2-20027/0497                | 06/26/76         | 50                  | 7255            | 17.7         | 43.6         | GGGG                               |                     |                      | 118                   | 84                   |
| 11758E 2847N                            | 2514-01524        | 00000/0000                   | 2-20026/1901                | 06/19/76         | 80                  | 7158            | 59.0         | 91.9         | GGGG                               |                     |                      | 129                   | 40                   |
| 11757E 2851N                            | 2424-01551        | 00000/0000                   | 2-20022/0333                | 03/21/76         | 80                  | 5903            | 46.0         | 124.3        | G GG                               |                     |                      | 129                   | 40                   |
| 11756E 2853N                            | 2730-01452        | 00000/0000                   | 2-20038/1640                | 01/21/77         | 100                 | 170             | 28.6         | 138.2        | GF GG                              |                     |                      | 129                   | 40                   |
| 11756E 2852N                            | 2694-01464        | 00000/0000                   | 2-20037/0861                | 12/16/76         | 10                  | 9668            | 28.3         | 144.1        | FGGG                               |                     |                      | 129                   | 40                   |
| 11756E 3426S                            | 2611-01051        | 00000/0000                   | 2-20032/1814                | 09/24/76         | 0                   | 8510            | 36.8         | 59.8         | GGGG                               |                     |                      | 118                   | 84                   |
| 11755E 2848N                            | 2676-01473        | 00000/0000                   | 2-20036/1401                | 11/28/76         | 10                  | 9417            | 31.1         | 144.7        | GGGG                               |                     |                      | 129                   | 40                   |
| 11755E 3423S                            | 2629-01043        | 00000/0000                   | 2-20034/0615                | 10/12/76         | 70                  | 8761            | 42.5         | 65.4         | GGGG                               |                     |                      | 118                   | 84                   |
| 11753E 2846N                            | 2640-01490        | 00000/0000                   | 2-20034/1021                | 10/23/76         | 90                  | 8915            | 40.0         | 138.9        | GGGG                               |                     |                      | 129                   | 40                   |
| 11753E 3423S                            | 2647-01035        | 00000/0000                   | 2-20035/0206                | 10/30/76         | 50                  | 9012            | 46.9         | 71.9         | GGGG                               |                     |                      | 118                   | 84                   |
| 11753E 3428S                            | 2665-01031        | 00000/0000                   | 2-20036/0855                | 11/17/76         | 60                  | 9263            | 49.4         | 78.7         | GGGG                               |                     |                      | 118                   | 84                   |
| 11752E 2847N                            | 2622-01493        | 00000/0000                   | 2-20034/0422                | 10/05/76         | 30                  | 8664            | 44.7         | 132.5        | FFGG                               |                     |                      | 129                   | 40                   |
| 11752E 3432S                            | 2683-01023        | 00000/0000                   | 2-20037/0074                | 12/05/76         | 80                  | 9514            | 49.8         | 84.3         | GGGG                               |                     |                      | 118                   | 84                   |
| 11750E 4150N                            | 2463-02072        | 00000/0000                   | 2-20024/1271                | 04/29/76         | 90                  | 6447            | 52.5         | 128.1        | GGFG                               |                     |                      | 132                   | 31                   |
| 11750E 3317N                            | 2461-01583        | 00000/0000                   | 2-20024/0172                | 04/27/76         | 50                  | 8419            | 55.1         | 116.2        | GGGG                               |                     |                      | 130                   | 37                   |
| 11750E 3006S                            | 2504-01124        | 00000/0000                   | 2-20026/1067                | 06/09/76         | 0                   | 7018            | 22.3         | 43.5         | GGGG                               |                     |                      | 119                   | 81                   |
| 11750E 3008S                            | 2522-01121        | 00000/0000                   | 2-20028/0186                | 06/27/76         | 10                  | 7269            | 21.4         | 44.0         | GGGG                               |                     |                      | 119                   | 81                   |
| 11750E 3015S                            | 2558-01111        | 00000/0000                   | 2-20030/0826                | 08/02/76         | 0                   | 7771            | 24.7         | 48.9         | GGGF                               |                     |                      | 119                   | 81                   |
| 11749E 3307N                            | 2497-01573        | 00000/0000                   | 2-20026/0807                | 06/02/76         | 20                  | 6921            | 59.6         | 102.7        | GGGG                               |                     |                      | 130                   | 37                   |
| 11749E 0714S                            | 2544-01275        | 00000/0000                   | 2-20028/1805                | 07/19/76         | 10                  | 7576            | 40.3         | 54.7         | GGGG                               |                     |                      | 123                   | 65                   |
| 11749E 3010S                            | 2540-01114        | 00000/0000                   | 2-20028/1435                | 07/15/76         | 80                  | 7520            | 22.1         | 46.0         | GGGG                               |                     |                      | 119                   | 81                   |
| 11748E 3316N                            | 2443-01590        | 00000/0000                   | 2-20022/1584                | 04/09/76         | 20                  | 6168            | 50.3         | 122.9        | GGGG                               |                     |                      | 130                   | 37                   |
| 11747E 3010S                            | 2594-01100        | 00000/0000                   | 2-20032/0969                | 09/07/76         | 60                  | 8273            | 34.3         | 57.0         | GGGG                               |                     |                      | 119                   | 81                   |
| 11747E 3015S                            | 2576-01103        | 00000/0000                   | 2-20030/1477                | 08/20/76         | 80                  | 8022            | 28.9         | 52.6         | GGGG                               |                     |                      | 119                   | 81                   |
| 11746E 3313N                            | 2713-01503        | 00000/0000                   | 2-20038/0698                | 01/04/77         | 50                  | 9933            | 24.4         | 143.7        | GGGG                               |                     |                      | 130                   | 37                   |
| 11746E 3307N                            | 2533-01564        | 00000/0000                   | 2-20028/0904                | 07/08/76         | 100                 | 7423            | 58.1         | 100.6        | GF GG                              |                     |                      | 130                   | 37                   |
| 11746E 3302N                            | 2515-01571        | 00000/0000                   | 2-20027/0153                | 06/20/76         | 90                  | 7172            | 59.3         | 99.5         | GGGG                               |                     |                      | 130                   | 37                   |
| 11745E 3311N                            | 2425-01593        | 00000/0000                   | 2-20021/1776                | 03/22/76         | 10                  | 5917            | 44.4         | 128.5        | GGGG                               |                     |                      | 130                   | 37                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 LANDSAT-2  
 COORDINATE LISTING  
 FOR NON-US  
 FROM 01/22/76 TO 01/22/77

PAGE 0756

| PRINCIPAL POINT<br>OF IMAGE<br>LONG | LAT   | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-------------------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11745E                              | 3006S | 2648-01082        | 00000/0000                   | 2-20035/0345                | 10/31/76         | 40                  | 9026            | 49.0         | 76.2         | GGGG                               |                     |                      | 119                   | 81                   |
| 11745E                              | 3008S | 2612-01093        | 00000/0000                   | 2-20032/1726                | 09/25/76         | 60                  | 8524            | 40.0         | 62.3         | GGGG                               |                     |                      | 119                   | 81                   |
| 11745E                              | 3010S | 2630-01090        | 00000/0000                   | 2-20034/0518                | 10/13/76         | 20                  | 8775            | 45.2         | 68.7         | GGGG                               |                     |                      | 119                   | 81                   |
| 11744E                              | 4151N | 2445-02075        | 00000/0000                   | 2-20022/1644                | 04/11/76         | 40                  | 6196            | 47.0         | 132.6        | GGGG                               |                     |                      | 132                   | 31                   |
| 11744E                              | 3311N | 2731-01495        | 00000/0000                   | 2-20038/1661                | 01/22/77         | 70                  | 184             | 26.0         | 140.2        | GGGG                               |                     |                      | 130                   | 37                   |
| 11744E                              | 3310N | 2695-01511        | 00000/0000                   | 2-20037/1110                | 12/17/76         | 10                  | 9682            | 25.1         | 146.1        | GGGG                               |                     |                      | 130                   | 37                   |
| 11744E                              | 3309N | 2605-01543        | 00000/0000                   | 2-20032/0903                | 09/18/76         | 20                  | 8427            | 46.6         | 129.3        | GGGG                               |                     |                      | 130                   | 37                   |
| 11744E                              | 3015S | 2702-01061        | 00000/0000                   | 2-20037/1292                | 12/24/76         | 0                   | 9779            | 49.1         | 91.7         | FFFF                               |                     |                      | 119                   | 81                   |
| 11743E                              | 4856N | 2465-02164        | 00000/0000                   | 2-20024/1040                | 05/01/76         | 90                  | 6475            | 49.4         | 137.1        | GGGG                               |                     |                      | 134                   | 26                   |
| 11743E                              | 4149N | 2589-02040        | 00000/0000                   | 2-20032/0521                | 09/02/76         | 10                  | 8204            | 46.3         | 132.1        | GGGG                               |                     |                      | 132                   | 31                   |
| 11743E                              | 3733N | 2462-02025        | 00000/0000                   | 2-20024/0703                | 04/28/76         | 100                 | 6433            | 54.0         | 122.3        | GGGG                               |                     |                      | 131                   | 34                   |
| 11743E                              | 3309N | 2677-01520        | 00000/0000                   | 2-20036/1460                | 11/29/76         | 20                  | 9431            | 27.7         | 146.9        | GGGG                               |                     |                      | 130                   | 37                   |
| 11742E                              | 4148N | 2571-02043        | 00000/0000                   | 2-20030/1325                | 08/15/76         | 80                  | 7953            | 50.7         | 125.3        | GGFG                               |                     |                      | 132                   | 31                   |
| 11742E                              | 4138N | 2499-02063        | 00000/0000                   | 2-20026/0724                | 06/04/76         | 90                  | 6949            | 58.3         | 117.9        | FFFF                               |                     |                      | 132                   | 31                   |
| 11742E                              | 3732N | 2444-02033        | 00000/0000                   | 2-20022/1541                | 04/10/76         | 20                  | 6182            | 48.8         | 127.8        | GGGG                               |                     |                      | 131                   | 34                   |
| 11742E                              | 3730N | 2570-02000        | 00000/0000                   | 2-20030/1243                | 08/14/76         | 30                  | 7939            | 52.4         | 119.0        | GGGG                               |                     |                      | 131                   | 34                   |
| 11742E                              | 3012S | 2666-01074        | 00000/0000                   | 2-20036/0881                | 11/18/76         | 10                  | 9277            | 50.9         | 83.5         | GGGG                               |                     |                      | 119                   | 81                   |
| 11742E                              | 3016S | 2684-01065        | 00000/0000                   | 2-20037/0291                | 12/06/76         | 0                   | 9528            | 50.8         | 89.2         | GGGG                               |                     |                      | 119                   | 81                   |
| 11741E                              | 4143N | 2427-02083        | 00000/0000                   | 2-20022/0327                | 03/24/76         | 10                  | 5945            | 40.6         | 136.2        | GGGG                               |                     |                      | 132                   | 31                   |
| 11741E                              | 3730N | 2696-01554        | 00000/0000                   | 2-20037/1011                | 12/18/76         | 30                  | 9696            | 21.9         | 147.9        | GGGG                               |                     |                      | 131                   | 34                   |
| 11740E                              | 3733N | 2588-01593        | 00000/0000                   | 2-20032/0436                | 09/01/76         | 70                  | 8190            | 48.6         | 126.7        | GGGG                               |                     |                      | 131                   | 34                   |
| 11740E                              | 3726N | 2480-02023        | 00000/0000                   | 2-20025/0563                | 05/16/76         | 0                   | 6684            | 57.6         | 115.9        | GGGG                               |                     |                      | 131                   | 34                   |
| 11740E                              | 3304N | 2659-01524        | 00000/0000                   | 2-20036/0241                | 11/11/76         | 90                  | 9180            | 31.9         | 145.7        | GGGG                               |                     |                      | 130                   | 37                   |
| 11740E                              | 3303N | 2641-01532        | 00000/0000                   | 2-20035/0111                | 10/24/76         | 60                  | 8929            | 36.9         | 142.3        | GGGG                               |                     |                      | 130                   | 37                   |
| 11740E                              | 3301N | 2623-01540        | 00000/0000                   | 2-20034/0533                | 10/06/76         | 80                  | 8678            | 42.0         | 136.7        | GGGG                               |                     |                      | 130                   | 37                   |
| 11739E                              | 4136N | 2535-02053        | 00000/0000                   | 2-20028/1109                | 07/10/76         | 80                  | 7451            | 56.8         | 115.7        | GGGG                               |                     |                      | 132                   | 31                   |
| 11739E                              | 3731N | 2714-01545        | 00000/0000                   | 2-20038/0712                | 01/05/77         | 0                   | 9947            | 21.5         | 145.5        | GGGG                               |                     |                      | 131                   | 34                   |
| 11739E                              | 3725N | 2552-02003        | 00000/0000                   | 2-20030/0190                | 07/27/76         | 80                  | 7688            | 55.5         | 112.4        | GGGG                               |                     |                      | 131                   | 34                   |
| 11739E                              | 3721N | 2534-02010        | 00000/0000                   | 2-20028/1573                | 07/09/76         | 30                  | 7437            | 57.7         | 108.2        | GGGG                               |                     |                      | 131                   | 34                   |
| 11739E                              | 2731N | 2460-01542        | 00000/0000                   | 2-20024/1149                | 04/26/76         | 70                  | 6405            | 56.1         | 107.6        | GGGG                               |                     |                      | 129                   | 41                   |
| 11738E                              | 4143N | 2553-02050        | 00000/0000                   | 2-20030/0208                | 07/28/76         | 80                  | 7702            | 54.2         | 119.4        | GGGG                               |                     |                      | 132                   | 31                   |
| 11738E                              | 4137N | 2661-02013        | 00000/0000                   | 2-20036/0405                | 11/13/76         | 10                  | 9208            | 25.0         | 150.8        | GGGG                               |                     |                      | 132                   | 31                   |
| 11738E                              | 4135N | 2517-02060        | 00000/0000                   | 2-20027/0254                | 06/22/76         | 10                  | 7200            | 58.3         | 115.2        | GGGG                               |                     |                      | 132                   | 31                   |
| 11738E                              | 3725N | 2426-02040        | 00000/0000                   | 2-20021/1797                | 03/23/76         | 10                  | 5931            | 42.6         | 132.4        | GGFG                               |                     |                      | 131                   | 34                   |
| 11738E                              | 3725N | 2675-01562        | 00000/0000                   | 2-20036/1565                | 11/30/76         | 50                  | 9445            | 24.4         | 149.0        | GGGG                               |                     |                      | 131                   | 34                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11737E                      | 4143N | 2607-02033 | 00000/0000        | 2-20032/1421                 | 09/20/76                    | 50               | 8455                | 41.3            | 138.6        | GGGG         |                                    |                     |                      | 132                   | 31                   |
| 11737E                      | 3725N | 2606-01590 | 00000/0000        | 2-20032/1465                 | 09/19/76                    | 10               | 8441                | 44.1            | 134.1        | GGGG         |                                    |                     |                      | 131                   | 34                   |
| 11737E                      | 3717N | 2516-02014 | 00000/0000        | 2-20027/0114                 | 06/21/76                    | 90               | 7186                | 59.1            | 107.4        | GGGG         |                                    |                     |                      | 131                   | 34                   |
| 11736E                      | 3721N | 2660-01571 | 00000/0000        | 2-20034/0453                 | 11/12/76                    | 100              | 9194                | 28.5            | 148.2        | GGGG         |                                    |                     |                      | 131                   | 34                   |
| 11736E                      | 2730N | 2442-01550 | 00000/0000        | 2-20022/1691                 | 04/08/76                    | 100              | 6154                | 51.9            | 115.8        | GGGG         |                                    |                     |                      | 129                   | 41                   |
| 11735E                      | 4842N | 2537-02145 | 00000/0000        | 2-20028/1235                 | 07/12/76                    | 10               | 7479                | 54.2            | 127.6        | G GG         |                                    |                     |                      | 134                   | 26                   |
| 11735E                      | 4136N | 2643-02022 | 00000/0000        | 2-20035/0162                 | 10/26/76                    | 0                | 8957                | 30.2            | 148.2        | G            |                                    |                     |                      | 132                   | 31                   |
| 11734E                      | 4134N | 2625-02030 | 00000/0000        | 2-20034/0541                 | 10/08/76                    | 20               | 8706                | 35.9            | 144.1        | GGGG         |                                    |                     |                      | 132                   | 31                   |
| 11734E                      | 3720N | 2624-01583 | 00000/0000        | 2-20034/0403                 | 10/07/76                    | 10               | 8692                | 39.0            | 140.6        | GGGG         |                                    |                     |                      | 131                   | 34                   |
| 11734E                      | 3719N | 2642-01575 | 00000/0000        | 2-20034/1116                 | 10/25/76                    | 0                | 8943                | 33.6            | 145.4        | GFGG         |                                    |                     |                      | 131                   | 34                   |
| 11732E                      | 2727N | 2730-01454 | 00000/0000        | 2-20038/1641                 | 01/21/77                    | 90               | 170                 | 29.5            | 137.4        | GGGG         |                                    |                     |                      | 129                   | 41                   |
| 11732E                      | 2725N | 2694-01471 | 00000/0000        | 2-20037/0862                 | 12/16/76                    | 30               | 9668                | 29.3            | 143.4        | GGGG         |                                    |                     |                      | 129                   | 41                   |
| 11731E                      | 2722N | 2676-01480 | 00000/0000        | 2-20036/1402                 | 11/28/76                    | 0                | 9417                | 32.1            | 143.9        | GGGG         |                                    |                     |                      | 129                   | 41                   |
| 11729E                      | 2720N | 2658-01484 | 00000/0000        | 2-20036/0219                 | 11/10/76                    | 20               | 9166                | 36.2            | 142.1        | GGGG         |                                    |                     |                      | 129                   | 41                   |
| 11729E                      | 0841S | 2544-01281 | 00000/0000        | 2-20028/1806                 | 07/19/76                    | 30               | 7576                | 39.3            | 53.8         | GGGG         |                                    |                     |                      | 123                   | 46                   |
| 11726E                      | 3131S | 2504-01130 | 00000/0000        | 2-20026/1068                 | 06/09/76                    | 0                | 7018                | 21.1            | 43.4         | GGGG         |                                    |                     |                      | 119                   | 82                   |
| 11725E                      | 3151N | 2461-01555 | 00000/0000        | 2-20024/0173                 | 04/27/76                    | 70               | 6419                | 55.5            | 114.0        | GFGG         |                                    |                     |                      | 130                   | 38                   |
| 11725E                      | 3133S | 2522-01123 | 00000/0000        | 2-20024/0187                 | 06/27/76                    | 50               | 7269                | 20.1            | 43.9         | GGGG         |                                    |                     |                      | 119                   | 82                   |
| 11725E                      | 3136S | 2540-01120 | 00000/0000        | 2-20028/1436                 | 07/15/76                    | 80               | 7520                | 21.0            | 45.8         | GGGG         |                                    |                     |                      | 119                   | 82                   |
| 11725E                      | 3141S | 2558-01113 | 00000/0000        | 2-20030/0527                 | 08/02/76                    | 20               | 7771                | 23.6            | 48.6         | GGGG         |                                    |                     |                      | 119                   | 82                   |
| 11724E                      | 3142N | 2497-01580 | 00000/0000        | 2-20026/0608                 | 06/02/76                    | 50               | 6921                | 59.6            | 100.1        | GGGG         |                                    |                     |                      | 130                   | 38                   |
| 11723E                      | 3150N | 2443-01592 | 00000/0000        | 2-20022/1585                 | 04/09/76                    | 30               | 6168                | 50.8            | 121.1        | GGGG         |                                    |                     |                      | 130                   | 38                   |
| 11723E                      | 3144N | 2479-01582 | 00000/0000        | 2-20025/0465                 | 05/15/76                    | 80               | 6670                | 58.5            | 106.3        | GG           |                                    |                     |                      | 130                   | 38                   |
| 11723E                      | 3141S | 2576-01110 | 00000/0000        | 2-20030/1478                 | 08/20/76                    | 80               | 8022                | 27.8            | 52.2         | GGGG         |                                    |                     |                      | 119                   | 82                   |
| 11722E                      | 3135S | 2534-01103 | 00000/0000        | 2-20032/0970                 | 09/07/76                    | 60               | 8273                | 33.3            | 56.4         | GGGG         |                                    |                     |                      | 119                   | 82                   |
| 11721E                      | 3148N | 2713-01505 | 00000/0000        | 2-20038/0699                 | 01/04/77                    | 90               | 9933                | 25.4            | 143.0        | GGGG         |                                    |                     |                      | 130                   | 38                   |
| 11721E                      | 3141N | 2533-01570 | 00000/0000        | 2-20028/0905                 | 07/08/76                    | 100              | 7423                | 58.0            | 98.1         | GGGG         |                                    |                     |                      | 130                   | 38                   |
| 11721E                      | 3136N | 2515-01573 | 00000/0000        | 2-20027/0154                 | 06/20/76                    | 50               | 7172                | 59.3            | 96.9         | FFFF         |                                    |                     |                      | 130                   | 38                   |
| 11721E                      | 3133S | 2612-01100 | 00000/0000        | 2-20032/1727                 | 05/25/76                    | 40               | 8524                | 39.1            | 61.5         | GGGG         |                                    |                     |                      | 119                   | 82                   |
| 11720E                      | 4024N | 2463-02075 | 00000/0000        | 2-20024/1272                 | 04/29/76                    | 60               | 6447                | 53.1            | 126.1        | GGGG         |                                    |                     |                      | 132                   | 32                   |
| 11720E                      | 3145N | 2425-02000 | 00000/0000        | 2-20021/1777                 | 03/22/76                    | 60               | 5917                | 45.1            | 127.0        | GGG          |                                    |                     |                      | 130                   | 38                   |
| 11720E                      | 3131S | 2648-01085 | 00000/0000        | 2-20035/0346                 | 10/31/76                    | 80               | 9026                | 48.4            | 74.8         | GGGG         |                                    |                     |                      | 119                   | 82                   |
| 11719E                      | 3145N | 2731-01561 | 00000/0000        | 2-20037/1662                 | 01/22/77                    | 80               | 184                 | 27.0            | 139.5        | GGGG         |                                    |                     |                      | 130                   | 38                   |
| 11719E                      | 3144N | 2695-01514 | 00000/0000        | 2-20037/1111                 | 12/17/76                    | 10               | 9682                | 26.2            | 145.4        | GGGG         |                                    |                     |                      | 130                   | 38                   |
| 11719E                      | 3135S | 2630-01093 | 00000/0000        | 2-20034/0519                 | 10/13/76                    | 10               | 8775                | 44.4            | 67.6         | GGGG         |                                    |                     |                      | 119                   | 82                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER,  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0758

| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLSUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11719E                      | 3141S | 2702-01069 | 00000/0000        | 2-20037/1293                 | 12/24/76                    | 0                | 9779                | 48.8            | 90.2         | GGGG         |                                    |                     |                      |                       |                      |
| 11718E                      | 3143N | 2605-01550 | 00000/0000        | 2-20037/0904                 | 09/12/76                    | 70               | 8427                | 47.3            | 127.8        | GGGG         |                                    |                     |                      | 119                   | 82                   |
| 11718E                      | 3143N | 2677-01522 | 00000/0000        | 2-20036/1461                 | 11/29/76                    | 60               | 9431                | 28.8            | 146.2        | GGGG         |                                    |                     |                      | 130                   | 38                   |
| 11718E                      | 3141S | 2684-01072 | 00000/0000        | 2-20037/0292                 | 12/06/76                    | 0                | 9528                | 50.4            | 87.6         | GGGG         |                                    |                     |                      | 130                   | 38                   |
| 11717E                      | 3138S | 2666-01080 | 00000/0000        | 2-20036/0882                 | 11/18/76                    | 10               | 9277                | 50.5            | 82.0         | GGGG         |                                    |                     |                      | 119                   | 82                   |
| 11716E                      | 3607N | 2452-02032 | 00000/0000        | 2-20024/0704                 | 04/28/76                    | 100              | 6433                | 54.5            | 120.2        | GGGG         |                                    |                     |                      | 119                   | 82                   |
| 11716E                      | 2604N | 2450-01545 | 00000/0000        | 2-20024/1150                 | 04/26/76                    | 70               | 6405                | 56.3            | 105.3        | GGGG         |                                    |                     |                      | 131                   | 35                   |
| 11715E                      | 3606N | 2444-02035 | 00000/0000        | 2-20022/1542                 | 04/10/76                    | 10               | 6182                | 49.4            | 107.7        | GGGG         |                                    |                     |                      | 129                   | 42                   |
| 11715E                      | 3604N | 2570-02003 | 00000/0000        | 2-20030/1244                 | 08/14/76                    | 70               | 7939                | 52.9            | 117.0        | GGGG         |                                    |                     |                      | 131                   | 35                   |
| 11715E                      | 3138N | 2659-01531 | 00000/0000        | 2-20036/0242                 | 11/11/76                    | 90               | 9180                | 32.9            | 144.9        | GGGG         |                                    |                     |                      | 131                   | 35                   |
| 11715E                      | 3135N | 2623-01547 | 00000/0000        | 2-20034/0534                 | 10/06/76                    | 60               | 8678                | 42.8            | 135.5        | GGGG         |                                    |                     |                      | 130                   | 38                   |
| 11714E                      | 3558N | 2498-02023 | 00000/0000        | 2-20026/0667                 | 06/03/76                    | 10               | 6935                | 59.4            | 107.7        | GGGG         |                                    |                     |                      | 130                   | 38                   |
| 11714E                      | 3137N | 2641-01535 | 00000/0000        | 2-20035/0112                 | 10/24/76                    | 90               | 8929                | 37.8            | 141.3        | GGGG         |                                    |                     |                      | 131                   | 35                   |
| 11713E                      | 4025N | 2445-02082 | 00000/0000        | 2-20022/1645                 | 04/11/76                    | 10               | 6196                | 47.8            | 131.0        | GGGG         |                                    |                     |                      | 130                   | 38                   |
| 11713E                      | 4024N | 2589-02042 | 00000/0000        | 2-20032/0522                 | 09/02/76                    | 10               | 8204                | 47.1            | 130.4        | GGGG         |                                    |                     |                      | 132                   | 32                   |
| 11713E                      | 3607N | 2588-01595 | 00000/0000        | 2-20032/0437                 | 09/01/76                    | 90               | 8190                | 49.2            | 125.0        | GGGG         |                                    |                     |                      | 132                   | 32                   |
| 11713E                      | 3604N | 2696-01560 | 00000/0000        | 2-20037/1007                 | 12/18/76                    | 90               | 9696                | 22.9            | 147.3        | GGGG         |                                    |                     |                      | 131                   | 35                   |
| 11713E                      | 2603N | 2442-01552 | 00000/0000        | 2-20022/1692                 | 04/08/76                    | 90               | 6154                | 52.3            | 113.8        | GGGG         |                                    |                     |                      | 129                   | 42                   |
| 11712E                      | 4023N | 2571-02045 | 00000/0000        | 2-20030/1326                 | 08/15/76                    | 30               | 7953                | 51.2            | 123.4        | GGGG         |                                    |                     |                      | 132                   | 32                   |
| 11712E                      | 4023N | 2715-01595 | 00000/0000        | 2-20038/0729                 | 01/06/77                    | 10               | 9961                | 19.5            | 146.6        | GGGG         |                                    |                     |                      | 132                   | 32                   |
| 11712E                      | 4020N | 2697-02003 | 00000/0000        | 2-20037/1025                 | 12/19/76                    | 10               | 9710                | 19.7            | 149.0        | GGGG         |                                    |                     |                      | 132                   | 32                   |
| 11712E                      | 4013N | 2499-02045 | 00000/0000        | 2-20026/0725                 | 06/04/76                    | 40               | 6949                | 58.7            | 115.3        | GGGG         |                                    |                     |                      | 132                   | 32                   |
| 11712E                      | 3605N | 2714-01552 | 00000/0000        | 2-20038/0713                 | 01/05/77                    | 0                | 9947                | 22.5            | 144.8        | GGGG         |                                    |                     |                      | 131                   | 35                   |
| 11712E                      | 3600N | 2480-02025 | 00000/0000        | 2-20025/0609                 | 05/16/76                    | 0                | 6684                | 57.9            | 113.5        | GGGG         |                                    |                     |                      | 131                   | 35                   |
| 11712E                      | 3559N | 2552-02010 | 00000/0000        | 2-20030/0191                 | 07/27/76                    | 40               | 7688                | 55.7            | 110.1        | GGGG         |                                    |                     |                      | 131                   | 35                   |
| 11712E                      | 3556N | 2534-02013 | 00000/0000        | 2-20028/1574                 | 07/09/76                    | 70               | 7437                | 57.9            | 105.7        | GGGG         |                                    |                     |                      | 131                   | 35                   |
| 11711E                      | 4017N | 2427-02085 | 00000/0000        | 2-20022/0328                 | 03/24/76                    | 10               | 5945                | 41.4            | 134.9        | GGGG         |                                    |                     |                      | 132                   | 32                   |
| 11711E                      | 4016N | 2481-02072 | 00000/0000        | 2-20025/0704                 | 05/17/76                    | 40               | 6698                | 56.9            | 120.4        | GGGG         |                                    |                     |                      | 132                   | 32                   |
| 11711E                      | 3600N | 2678-01565 | 00000/0000        | 2-20036/1566                 | 11/30/76                    | 80               | 9445                | 25.4            | 148.3        | GGGG         |                                    |                     |                      | 131                   | 35                   |
| 11711E                      | 3559N | 2426-02043 | 00000/0000        | 2-20021/1798                 | 03/23/76                    | 10               | 5931                | 43.4            | 131.0        | GGGG         |                                    |                     |                      | 131                   | 35                   |
| 11710E                      | 3600N | 2606-01593 | 00000/0000        | 2-20032/1466                 | 09/19/76                    | 80               | 8441                | 44.9            | 132.7        | GGGG         |                                    |                     |                      | 131                   | 35                   |
| 11710E                      | 3552N | 2516-02020 | 00000/0000        | 2-20027/0115                 | 06/21/76                    | 100              | 7186                | 59.2            | 104.7        | GGGG         |                                    |                     |                      | 131                   | 35                   |
| 11709E                      | 4010N | 2535-02060 | 00000/0000        | 2-20028/1110                 | 07/10/76                    | 60               | 7451                | 57.1            | 113.3        | GGGG         |                                    |                     |                      | 132                   | 32                   |
| 11709E                      | 2601N | 2730-01461 | 00000/0000        | 2-20038/1642                 | 01/21/77                    | 80               | 170                 | 30.4            | 136.6        | GGGG         |                                    |                     |                      | 129                   | 42                   |
| 11708E                      | 4018N | 2553-02053 | 00000/0000        | 2-20030/0209                 | 07/28/76                    | 90               | 7702                | 54.6            | 117.2        | GGGG         |                                    |                     |                      | 132                   | 32                   |

KEYS: CLSUD COVER % ..... 0 TO 100 = % CLSUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0759

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NR./<br>IN RBL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|---------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBY                   | MSS                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 11708E                      | 4017N | 2607-02035        | 00000/0000            | 2-20037/1422        | 09/20/76         | 20                  | 8455            | 42.2         | 137.3        | GGGG                  |                     |                      | 132                   | 32                   |
| 11708E                      | 4012N | 2661-02020        | 00000/0000            | 2-20036/0406        | 11/13/76         | 10                  | 9208            | 26.1         | 149.8        | GGGG                  |                     |                      | 132                   | 32                   |
| 11708E                      | 4011N | 2517-02063        | 00000/0000            | 2-20027/0255        | 06/22/76         | 70                  | 7200            | 58.6         | 112.6        | FGGG                  |                     |                      | 132                   | 32                   |
| 11708E                      | 3556N | 2660-01573        | 00000/0000            | 2-20036/0454        | 11/12/76         | 100                 | 9194            | 29.5         | 147.4        | GGGF                  |                     |                      | 131                   | 35                   |
| 11708E                      | 3554N | 2642-01581        | 00000/0000            | 2-20034/1117        | 10/25/76         | 20                  | 8943            | 34.6         | 144.5        | GGGG                  |                     |                      | 131                   | 35                   |
| 11708E                      | 2558N | 2694-01473        | 00000/0000            | 2-20037/0863        | 12/16/76         | 60                  | 9668            | 30.3         | 142.7        | GGGG                  |                     |                      | 129                   | 42                   |
| 11708E                      | 2557N | 2676-01482        | 00000/0000            | 2-20036/1403        | 11/28/76         | 10                  | 9417            | 33.1         | 143.1        | GGGG                  |                     |                      | 129                   | 42                   |
| 11707E                      | 4015N | 2679-02012        | 00000/0000            | 2-20036/1639        | 12/01/76         | 10                  | 9459            | 22.0         | 150.2        | GGGG                  |                     |                      | 132                   | 32                   |
| 11706E                      | 2556N | 2406-01563        | 00000/0000            | 2-20021/0990        | 03/03/76         | 10                  | 5652            | 41.6         | 127.5        | FFGG                  |                     |                      | 129                   | 42                   |
| 11706E                      | 2554N | 2658-01490        | 00000/0000            | 2-20036/0220        | 11/10/76         | 30                  | 9166            | 37.1         | 141.2        | GGGG                  |                     |                      | 129                   | 42                   |
| 11705E                      | 4011N | 2643-02024        | 00000/0000            | 2-20035/0163        | 10/26/76         | 0                   | 8957            | 31.2         | 147.4        | GPQG                  |                     |                      | 132                   | 32                   |
| 11704E                      | 4009N | 2625-02032        | 00000/0000            | 2-20034/0542        | 10/08/76         | 30                  | 8706            | 36.8         | 143.1        | GGGG                  |                     |                      | 132                   | 32                   |
| 11701E                      | 3024N | 2461-01592        | 00000/0000            | 2-20024/0174        | 04/27/76         | 60                  | 6419            | 55.8         | 111.8        | GGGG                  |                     |                      | 130                   | 39                   |
| 11701E                      | 3257S | 2504-01133        | 00000/0000            | 2-20026/1069        | 06/09/76         | 0                   | 7018            | 19.9         | 43.2         | GGGG                  |                     |                      | 119                   | 83                   |
| 11700E                      | 3259S | 2522-01130        | 00000/0000            | 2-20028/0188        | 06/27/76         | 30                  | 7269            | 18.9         | 43.8         | GGGG                  |                     |                      | 119                   | 83                   |
| 11700E                      | 3302S | 2540-01123        | 00000/0000            | 2-20028/1437        | 07/15/76         | 50                  | 7520            | 19.8         | 45.6         | FGGG                  |                     |                      | 119                   | 83                   |
| 11659E                      | 3016N | 2427-01532        | 00000/0000            | 2-20026/0609        | 06/02/76         | 80                  | 6921            | 59.6         | 97.4         | GGGG                  |                     |                      | 130                   | 39                   |
| 11658E                      | 3023N | 2443-01595        | 00000/0000            | 2-20027/1586        | 04/09/76         | 70                  | 6168            | 51.3         | 119.2        | GGGG                  |                     |                      | 130                   | 39                   |
| 11658E                      | 3018N | 2479-01585        | 00000/0000            | 2-20025/0432        | 05/15/76         | 100                 | 6670            | 58.6         | 103.8        | GGGG                  |                     |                      | 130                   | 39                   |
| 11656E                      | 3022N | 2713-01512        | 00000/0000            | 2-20038/0700        | 01/04/77         | 100                 | 9933            | 26.4         | 142.3        | GGGG                  |                     |                      | 130                   | 39                   |
| 11656E                      | 3015N | 2533-01573        | 00000/0000            | 2-20028/0906        | 07/08/76         | 100                 | 7423            | 57.9         | 95.6         | GGGG                  |                     |                      | 130                   | 39                   |
| 11656E                      | 3011N | 2515-01580        | 00000/0000            | 2-20027/0155        | 06/20/76         | 40                  | 7172            | 59.1         | 94.3         | GGGG                  |                     |                      | 130                   | 39                   |
| 11655E                      | 5020N | 2466-02220        | 00000/0000            | 2-20024/1079        | 05/02/76         | 90                  | 6489            | 48.9         | 138.7        | GGGG                  |                     |                      | 135                   | 25                   |
| 11655E                      | 3019N | 2425-02002        | 00000/0000            | 2-20021/1778        | 03/22/76         | 90                  | 5917            | 45.7         | 125.5        | FGGG                  |                     |                      | 130                   | 39                   |
| 11655E                      | 3456S | 2648-01091        | 00000/0000            | 2-20035/0347        | 10/31/76         | 60                  | 9026            | 47.8         | 73.5         | GGGG                  |                     |                      | 119                   | 83                   |
| 11655E                      | 3258S | 2612-01102        | 00000/0000            | 2-20032/1728        | 09/25/76         | 40                  | 8524            | 38.1         | 60.8         | GGGG                  |                     |                      | 119                   | 83                   |
| 11654E                      | 3018N | 2695-01520        | 00000/0000            | 2-20037/1112        | 12/17/76         | 10                  | 9682            | 27.2         | 144.7        | GGGG                  |                     |                      | 130                   | 39                   |
| 11654E                      | 3018N | 2731-01504        | 00000/0000            | 2-20033/1663        | 01/22/77         | 80                  | 184             | 27.9         | 138.7        | GGGG                  |                     |                      | 130                   | 39                   |
| 11654E                      | 3308S | 2630-01095        | 00000/0000            | 2-20034/0520        | 10/13/76         | 20                  | 8775            | 43.6         | 66.6         | GGGG                  |                     |                      | 119                   | 83                   |
| 11653E                      | 3017N | 2605-01552        | 00000/0000            | 2-20032/0905        | 09/18/76         | 80                  | 8427            | 47.9         | 126.2        | GGGG                  |                     |                      | 130                   | 39                   |
| 11653E                      | 3017N | 2677-01525        | 00000/0000            | 2-20036/1462        | 11/29/76         | 80                  | 9431            | 29.8         | 145.5        | GGGG                  |                     |                      | 130                   | 39                   |
| 11653E                      | 2438N | 2460-01551        | 00000/0000            | 2-20024/1151        | 04/26/76         | 50                  | 6405            | 56.4         | 103.0        | GGGG                  |                     |                      | 129                   | 43                   |
| 11652E                      | 3303S | 2666-01033        | 00000/0000            | 2-20036/0883        | 11/18/76         | 50                  | 9277            | 50.0         | 80.5         | GGGG                  |                     |                      | 119                   | 83                   |
| 11652E                      | 3307S | 2684-01074        | 00000/0000            | 2-20037/0293        | 12/06/76         | 10                  | 9528            | 50.1         | 86.1         | GGGG                  |                     |                      | 119                   | 83                   |
| 11651E                      | 5014N | 2556-02194        | 00000/0000            | 2-20030/0576        | 07/31/76         | 30                  | 7744            | 50.2         | 132.6        | FFGG                  |                     |                      | 135                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL |     | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------------------------|--------------|------------------|---------------------|-----------------|--------------|--------------|------------|-----|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                                     | MSS          |                  |                     |                 |              |              | RBV        | MSS |                     |                      |                       |                      |
| 11651E                      | 3012N | 2659-01533        | 00000/0000                              | 2-20036/0243 | 11/11/76         | 80                  | 9180            | 34.0         | 144.0        | GGGG       |     |                     |                      | 130                   | 39                   |
| 11650E                      | 3858N | 2463-02081        | 00000/0000                              | 2-20024/1273 | 04/29/76         | 90                  | 6447            | 53.7         | 124.0        | GGGG       |     |                     |                      | 132                   | 33                   |
| 11650E                      | 3441N | 2462-02034        | 00000/0000                              | 2-20024/0705 | 04/28/76         | 100                 | 6433            | 55.0         | 118.0        | FGGG       |     |                     |                      | 131                   | 36                   |
| 11650E                      | 3011N | 2641-01541        | 00000/0000                              | 2-20035/0113 | 10/24/76         | 90                  | 8929            | 38.8         | 140.3        | GGGG       |     |                     |                      | 130                   | 39                   |
| 11650E                      | 3010N | 2623-01545        | 00000/0000                              | 2-20034/0535 | 10/06/76         | 50                  | 8678            | 43.6         | 134.2        | GGGG       |     |                     |                      | 130                   | 39                   |
| 11650E                      | 2437N | 2442-01555        | 00000/0000                              | 2-20027/1693 | 04/08/76         | 90                  | 6154            | 52.6         | 111.9        | GGGG       |     |                     |                      | 129                   | 43                   |
| 11649E                      | 4317N | 2446-02131        | 00000/0000                              | 2-20023/0025 | 04/12/76         | 90                  | 6210            | 46.6         | 134.0        | GG G       |     |                     |                      | 133                   | 30                   |
| 11649E                      | 4313N | 2464-02124        | 00000/0000                              | 2-20024/1033 | 04/30/76         | 20                  | 6461            | 52.1         | 129.8        | FGGG       |     |                     |                      | 133                   | 30                   |
| 11648E                      | 5008N | 2502-02211        | 00000/0000                              | 2-20027/0206 | 06/07/76         | 60                  | 6991            | 55.2         | 131.8        | GGGG       |     |                     |                      | 135                   | 25                   |
| 11648E                      | 3440N | 2444-02042        | 00000/0000                              | 2-20022/1543 | 04/10/76         | 10                  | 6182            | 50.0         | 124.3        | GGGG       |     |                     |                      | 131                   | 36                   |
| 11648E                      | 3438N | 2570-02005        | 00000/0000                              | 2-20030/1245 | 03/14/76         | 50                  | 7939            | 53.2         | 114.9        | GGGF       |     |                     |                      | 131                   | 36                   |
| 11648E                      | 2437N | 2712-01471        | 00000/0000                              | 2-20038/0577 | 01/03/77         | 80                  | 9919            | 30.2         | 139.6        | GGGG       |     |                     |                      | 129                   | 43                   |
| 11648E                      | 2841S | 2505-01180        | 00000/0000                              | 2-20026/1229 | 06/10/76         | 10                  | 7032            | 23.4         | 43.7         | FGGG       |     |                     |                      | 120                   | 80                   |
| 11647E                      | 5008N | 2538-02201        | 00000/0000                              | 2-20028/1243 | 07/13/76         | 10                  | 7493            | 53.4         | 130.0        | GGGG       |     |                     |                      | 135                   | 25                   |
| 11647E                      | 3432N | 2498-02025        | 00000/0000                              | 2-20026/0668 | 06/03/76         | 10                  | 6935            | 59.5         | 105.1        | GGGG       |     |                     |                      | 131                   | 36                   |
| 11647E                      | 2843S | 2523-01173        | 00000/0000                              | 2-20028/1167 | 06/28/76         | 0                   | 7283            | 22.5         | 44.3         | GFGG       |     |                     |                      | 120                   | 80                   |
| 11646E                      | 5004N | 2520-02204        | 00000/0000                              | 2-20028/0122 | 06/25/76         | 10                  | 7242            | 55.3         | 129.6        | GGGG       |     |                     |                      | 135                   | 25                   |
| 11646E                      | 4313N | 2590-02092        | 00000/0000                              | 2-20032/0544 | 09/03/76         | 10                  | 8218            | 45.3         | 134.0        | GGGG       |     |                     |                      | 133                   | 30                   |
| 11646E                      | 4310N | 2554-02102        | 00000/0000                              | 2-20030/0316 | 07/29/76         | 80                  | 7716            | 53.6         | 121.9        | GGGG       |     |                     |                      | 133                   | 30                   |
| 11646E                      | 3442N | 2588-02002        | 00000/0000                              | 2-20032/0438 | 09/01/76         | 100                 | 8190            | 49.8         | 123.2        | GGGG       |     |                     |                      | 131                   | 36                   |
| 11646E                      | 3435N | 2480-02032        | 00000/0000                              | 2-20025/0610 | 05/16/76         | 0                   | 6684            | 58.2         | 111.0        | GGGG       |     |                     |                      | 131                   | 36                   |
| 11646E                      | 3431N | 2534-02015        | 00000/0000                              | 2-20028/1575 | 07/09/76         | 90                  | 7437            | 57.9         | 103.2        | GGGG       |     |                     |                      | 131                   | 36                   |
| 11646E                      | 2435N | 2730-01463        | 00000/0000                              | 2-20038/1643 | 01/21/77         | 60                  | 170             | 31.3         | 135.8        | GGGG       |     |                     |                      | 129                   | 43                   |
| 11646E                      | 2433N | 2694-01480        | 00000/0000                              | 2-20037/0864 | 12/16/76         | 80                  | 9668            | 31.3         | 141.9        | GGGG       |     |                     |                      | 129                   | 43                   |
| 11646E                      | 2431N | 2676-01485        | 00000/0000                              | 2-20036/1404 | 11/28/76         | 10                  | 9417            | 34.1         | 142.3        | GGGG       |     |                     |                      | 129                   | 43                   |
| 11646E                      | 2847S | 2541-01170        | 00000/0000                              | 2-20028/1485 | 07/16/76         | 30                  | 7534            | 23.4         | 46.3         | GGGG       |     |                     |                      | 120                   | 80                   |
| 11645E                      | 4310N | 2428-02135        | 00000/0000                              | 2-20022/0556 | 03/25/76         | 100                 | 5959            | 40.2         | 137.4        | GGGG       |     |                     |                      | 133                   | 30                   |
| 11645E                      | 4304N | 2536-02105        | 00000/0000                              | 2-20028/1145 | 07/11/76         | 90                  | 7465            | 56.3         | 118.3        | GGGG       |     |                     |                      | 133                   | 30                   |
| 11645E                      | 4302N | 2500-02115        | 00000/0000                              | 2-20026/0764 | 06/05/76         | 40                  | 6963            | 57.9         | 120.2        | GGGG       |     |                     |                      | 133                   | 30                   |
| 11645E                      | 3439N | 2714-01554        | 00000/0000                              | 2-20038/0714 | 01/05/77         | 0                   | 9947            | 23.5         | 144.2        | GGG        |     |                     |                      | 131                   | 36                   |
| 11645E                      | 3438N | 2696-01563        | 00000/0000                              | 2-20037/1012 | 12/18/76         | 90                  | 9696            | 24.0         | 146.7        | GG G       |     |                     |                      | 131                   | 36                   |
| 11645E                      | 3427N | 2516-02023        | 00000/0000                              | 2-20027/0116 | 06/21/76         | 100                 | 7186            | 59.3         | 102.1        | GGGG       |     |                     |                      | 131                   | 36                   |
| 11644E                      | 4258N | 2518-02112        | 00000/0000                              | 2-20027/0426 | 06/23/76         | 90                  | 7214            | 57.9         | 117.6        | GGGF       |     |                     |                      | 133                   | 30                   |
| 11644E                      | 3434N | 2426-02045        | 00000/0000                              | 2-20021/1799 | 03/23/76         | 10                  | 5931            | 44.1         | 129.6        | FGGG       |     |                     |                      | 131                   | 36                   |
| 11644E                      | 3434N | 2678-01571        | 00000/0000                              | 2-20036/1567 | 11/30/76         | 80                  | 9445            | 26.5         | 147.6        | FGGG       |     |                     |                      | 131                   | 36                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11644E                      | 2430N             | 2406-01570                   | 00000/0000                  | 2-20021/0991     | 03/03/76            | 10              | 5652         | 42.3         | 126.2                              | GGGG                |                      | 129                   | 43                   |
| 11643E                      | 4307N             | 2608-02085                   | 00000/0000                  | 2-20032/1543     | 09/21/76            | 20              | 8469         | 40.2         | 140.2                              | GGGG                |                      | 133                   | 30                   |
| 11643E                      | 4302N             | 2662-02065                   | 00000/0000                  | 2-20036/0934     | 11/14/76            | 10              | 9222         | 23.7         | 151.3                              | GGGG                |                      | 133                   | 30                   |
| 11643E                      | 3858N             | 2589-02045                   | 00000/0000                  | 2-20032/0523     | 09/02/76            | 10              | 8204         | 47.7         | 128.8                              | GGGG                |                      | 132                   | 33                   |
| 11643E                      | 3857N             | 2571-02052                   | 00000/0000                  | 2-20030/1327     | 08/15/76            | 10              | 7953         | 51.8         | 121.4                              | GGGG                |                      | 132                   | 33                   |
| 11643E                      | 3857N             | 2713-02031                   | 00000/0000                  | 2-20032/0730     | 01/06/77            | 20              | 9961         | 20.5         | 145.9                              | GGGG                |                      | 132                   | 33                   |
| 11643E                      | 3855N             | 2697-02035                   | 00000/0000                  | 2-20037/1026     | 12/19/76            | 10              | 9710         | 20.7         | 148.4                              | GGGG                |                      | 132                   | 33                   |
| 11643E                      | 3847N             | 2499-02072                   | 00000/0000                  | 2-20026/0726     | 06/04/76            | 20              | 6949         | 59.0         | 112.7                              | FGGG                |                      | 132                   | 33                   |
| 11643E                      | 3434N             | 2606-01595                   | 00000/0000                  | 2-20032/1467     | 09/19/76            | 90              | 8441         | 45.7         | 131.3                              | GGGG                |                      | 131                   | 36                   |
| 11643E                      | 2429N             | 2658-01493                   | 00000/0000                  | 2-20036/0221     | 11/10/76            | 10              | 9166         | 38.1         | 140.2                              | GGGG                |                      | 129                   | 43                   |
| 11643E                      | 2344S             | 2613-01145                   | 00000/0000                  | 2-20032/1871     | 09/26/76            | 60              | 8538         | 41.1         | 63.4                               | GGGG                |                      | 120                   | 80                   |
| 11642E                      | 3852N             | 2427-02092                   | 00000/0000                  | 2-20022/0329     | 03/24/76            | 60              | 5945         | 42.2         | 133.6                              | FGGG                |                      | 132                   | 33                   |
| 11642E                      | 3850N             | 2481-02075                   | 00000/0000                  | 2-20025/0677     | 05/17/76            | 30              | 6698         | 57.3         | 118.0                              | GGGG                |                      | 132                   | 33                   |
| 11642E                      | 3429N             | 2642-01534                   | 00000/0000                  | 2-20034/1118     | 10/26/76            | 30              | 8943         | 35.6         | 143.5                              | FGGG                |                      | 131                   | 36                   |
| 11642E                      | 2840S             | 2649-01134                   | 00000/0000                  | 2-20035/0375     | 11/01/76            | 0               | 9040         | 49.8         | 78.0                               | GGGG                |                      | 120                   | 80                   |
| 11642E                      | 2848S             | 2685-01121                   | 00000/0000                  | 2-20037/0362     | 12/07/76            | 0               | 9542         | 51.0         | 91.1                               | GGGG                |                      | 120                   | 80                   |
| 11641E                      | 3431N             | 2660-01580                   | 00000/0000                  | 2-20036/0455     | 11/12/76            | 100             | 9194         | 30.6         | 146.7                              | GGGF                |                      | 131                   | 36                   |
| 11641E                      | 2424N             | 2388-01573                   | 00000/0000                  | 2-20020/1351     | 02/14/76            | 60              | 5401         | 37.5         | 131.8                              | GGGG                |                      | 129                   | 43                   |
| 11641E                      | 2843S             | 2631-01142                   | 00000/0000                  | 2-20034/0704     | 10/14/76            | 20              | 8789         | 46.2         | 70.2                               | GGGG                |                      | 120                   | 80                   |
| 11641E                      | 2848S             | 2667-01130                   | 00000/0000                  | 2-20036/1071     | 11/19/76            | 0               | 9291         | 51.3         | 85.5                               | GGGG                |                      | 120                   | 80                   |
| 11640E                      | 4304N             | 2626-02081                   | 00000/0000                  | 2-20034/0479     | 10/09/76            | 100             | 8720         | 34.5         | 145.5                              | GGFG                |                      | 133                   | 30                   |
| 11640E                      | 4301N             | 2644-02073                   | 00000/0000                  | 2-20035/0012     | 10/27/76            | 100             | 8971         | 28.8         | 149.3                              | GGGF                |                      | 133                   | 30                   |
| 11640E                      | 3852N             | 2553-02055                   | 00000/0000                  | 2-20030/0210     | 07/28/76            | 100             | 7702         | 55.0         | 115.0                              | GGGG                |                      | 132                   | 33                   |
| 11640E                      | 3845N             | 2535-02062                   | 00000/0000                  | 2-20028/1111     | 07/10/76            | 70              | 7451         | 57.4         | 110.8                              | GGGG                |                      | 132                   | 33                   |
| 11640E                      | 3429N             | 2624-01592                   | 00000/0000                  | 2-20034/0404     | 10/07/76            | 70              | 8692         | 40.8         | 138.3                              | FGGG                |                      | 131                   | 36                   |
| 11639E                      | 3851N             | 2607-02042                   | 00000/0000                  | 2-20032/1423     | 09/20/76            | 10              | 8455         | 43.0         | 135.9                              | GGGG                |                      | 132                   | 33                   |
| 11639E                      | 3846N             | 2517-02065                   | 00000/0000                  | 2-20027/0256     | 06/22/76            | 20              | 7200         | 58.9         | 110.0                              | GGGG                |                      | 132                   | 33                   |
| 11638E                      | 3850N             | 2679-02014                   | 00000/0000                  | 2-20036/1640     | 12/01/76            | 0               | 9459         | 23.1         | 149.6                              | GGGG                |                      | 132                   | 33                   |
| 11638E                      | 3847N             | 2661-02022                   | 00000/0000                  | 2-20036/0407     | 11/13/76            | 10              | 9208         | 27.2         | 149.0                              | GGGG                |                      | 132                   | 33                   |
| 11636E                      | 3846N             | 2643-02031                   | 00000/0000                  | 2-20035/0164     | 10/26/76            | 0               | 8957         | 32.3         | 146.5                              | FGGG                |                      | 132                   | 33                   |
| 11636E                      | 2858N             | 2461-01594                   | 00000/0000                  | 2-20024/0175     | 04/27/76            | 10              | 6419         | 56.1         | 109.5                              | GGGG                |                      | 130                   | 40                   |
| 11635E                      | 3843N             | 2625-02035                   | 00000/0000                  | 2-20034/0543     | 10/08/76            | 10              | 8706         | 37.8         | 142.0                              | FGGG                |                      | 132                   | 33                   |
| 11634E                      | 2856N             | 2443-02001                   | 00000/0000                  | 2-20022/1587     | 04/09/76            | 90              | 6168         | 51.8         | 117.3                              | GGGG                |                      | 130                   | 40                   |
| 11631E                      | 2856N             | 2713-01514                   | 00000/0000                  | 2-20038/0701     | 01/04/77            | 100             | 9933         | 27.4         | 141.6                              | GF F                |                      | 130                   | 40                   |
| 11631E                      | 2853N             | 2425-02005                   | 00000/0000                  | 2-20021/1779     | 03/22/76            | 90              | 5917         | 46.3         | 124.0                              | GGFG                |                      | 130                   | 40                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11630E 2852N                            | 2731-01510        | 00000/0000                   | 2-20038/1664               | 01/22/77         | 90                  | 184             | 28.8         | 138.0        | GGGG                               |                     |                      | 130                   | 40                   |
| 11630E 2851N                            | 2695-01555        | 00000/0000                   | 2-20032/0906               | 09/18/76         | 90                  | 8427            | 48.6         | 124.6        | GGGG                               |                     |                      | 130                   | 40                   |
| 11630E 2851N                            | 2695-01523        | 00000/0000                   | 2-20037/1113               | 12/17/76         | 50                  | 9682            | 28.2         | 144.0        | GGGG                               |                     |                      | 130                   | 40                   |
| 11629E 2851N                            | 2677-01531        | 00000/0000                   | 2-20036/1463               | 11/29/76         | 90                  | 9431            | 30.8         | 144.7        | GGGG                               |                     |                      | 130                   | 40                   |
| 11628E 2310N                            | 2442-01561        | 00000/0000                   | 2-20027/1694               | 04/08/76         | 60                  | 6154            | 52.9         | 109.9        | GGGG                               |                     |                      | 129                   | 44                   |
| 11627E 2846N                            | 2659-01540        | 00000/0000                   | 2-20036/0244               | 11/11/76         | 90                  | 9180            | 35.0         | 143.2        | GGGG                               |                     |                      | 130                   | 40                   |
| 11626E 2846N                            | 2641-01544        | 00000/0000                   | 2-20034/1124               | 10/24/76         | 100                 | 8929            | 39.7         | 139.2        | GGGG                               |                     |                      | 130                   | 40                   |
| 11626E 2844N                            | 2623-01557        | 00000/0000                   | 2-20034/0536               | 10/05/76         | 0                   | 8678            | 44.4         | 132.8        | GGGG                               |                     |                      | 130                   | 40                   |
| 11626E 2311N                            | 2712-01474        | 00000/0000                   | 2-20038/0578               | 01/03/77         | 70                  | 9919            | 31.2         | 138.8        | GGGG                               |                     |                      | 129                   | 44                   |
| 11625E 0713S                            | 2545-01333        | 00000/0000                   | 2-20028/1786               | 07/20/76         | 40                  | 7590            | 40.4         | 54.9         | GGGG                               |                     |                      | 124                   | 65                   |
| 11624E 3315N                            | 2462-02041        | 00000/0000                   | 2-20024/0706               | 04/28/76         | 100                 | 6433            | 55.4         | 115.8        | GGGG                               |                     |                      | 131                   | 37                   |
| 11624E 2308N                            | 2424-01565        | 00000/0000                   | 2-20027/0350               | 03/21/76         | 100                 | 5903            | 48.1         | 118.0        | GGGG                               |                     |                      | 129                   | 44                   |
| 11624E 2305N                            | 2676-01491        | 00000/0000                   | 2-20036/1405               | 11/28/76         | 10                  | 9417            | 35.1         | 141.4        | GGGG                               |                     |                      | 129                   | 44                   |
| 11623E 2308N                            | 2694-01487        | 00000/0000                   | 2-20037/0865               | 12/16/76         | 30                  | 9668            | 32.2         | 141.1        | GGGG                               |                     |                      | 129                   | 44                   |
| 11623E 2308N                            | 2730-01470        | 00000/0000                   | 2-20038/1644               | 01/21/77         | 70                  | 170             | 32.1         | 135.0        | GGGG                               |                     |                      | 129                   | 44                   |
| 11623E 3008S                            | 2523-01175        | 00000/0000                   | 2-20028/1168               | 06/28/76         | 0                   | 7283            | 21.3         | 44.1         | GGGG                               |                     |                      | 120                   | 81                   |
| 11622E 3732N                            | 2463-02084        | 00000/0000                   | 2-20024/1274               | 04/29/76         | 90                  | 6447            | 54.3         | 121.9        | GGGG                               |                     |                      | 132                   | 34                   |
| 11622E 3314N                            | 2444-02044        | 00000/0000                   | 2-20027/1544               | 04/10/76         | 30                  | 6182            | 50.6         | 122.5        | GGGG                               |                     |                      | 131                   | 37                   |
| 11622E 3306N                            | 2498-02032        | 00000/0000                   | 2-20026/0669               | 06/03/76         | 30                  | 6935            | 59.6         | 102.4        | GGGG                               |                     |                      | 131                   | 37                   |
| 11622E 2303N                            | 2406-01572        | 00000/0000                   | 2-20021/0992               | 03/03/76         | 80                  | 5652            | 42.9         | 124.9        | GGGG                               |                     |                      | 129                   | 44                   |
| 11622E 3013S                            | 2541-01172        | 00000/0000                   | 2-20027/1486               | 07/16/76         | 30                  | 7534            | 22.2         | 46.1         | GGGG                               |                     |                      | 120                   | 81                   |
| 11620E 3309N                            | 2480-02034        | 00000/0000                   | 2-20025/0611               | 05/16/76         | 0                   | 6684            | 58.4         | 108.4        | GGGG                               |                     |                      | 131                   | 37                   |
| 11620E 2303N                            | 2658-01495        | 00000/0000                   | 2-20036/0222               | 11/10/76         | 10                  | 9166            | 39.0         | 139.2        | GGGG                               |                     |                      | 129                   | 44                   |
| 11619E 3313N                            | 2714-01561        | 00000/0000                   | 2-20038/0715               | 01/05/77         | 10                  | 9947            | 24.5         | 143.5        | GGGG                               |                     |                      | 131                   | 37                   |
| 11619E 3312N                            | 2696-01565        | 00000/0000                   | 2-20037/1013               | 12/18/76         | 90                  | 9696            | 25.0         | 146.0        | GGGG                               |                     |                      | 131                   | 37                   |
| 11619E 3302N                            | 2516-02025        | 00000/0000                   | 2-20027/0117               | 06/21/76         | 90                  | 7186            | 59.3         | 99.5         | GGGG                               |                     |                      | 131                   | 37                   |
| 11619E 2258N                            | 2358-01575        | 00000/0000                   | 2-20020/1352               | 02/14/76         | 70                  | 5401            | 38.2         | 130.8        | GGGG                               |                     |                      | 129                   | 44                   |
| 11619E 3009S                            | 2413-01152        | 00000/0000                   | 2-20037/1872               | 09/26/76         | 60                  | 8538            | 40.3         | 62.6         | GGGG                               |                     |                      | 120                   | 81                   |
| 11618E 4152N                            | 2446-02134        | 00000/0000                   | 2-20027/0026               | 04/12/76         | 90                  | 6210            | 47.4         | 132.4        | GGGG                               |                     |                      | 133                   | 31                   |
| 11618E 4147N                            | 2454-02131        | 00000/0000                   | 2-20024/0742               | 04/30/76         | 20                  | 6461            | 52.8         | 127.8        | G                                  |                     |                      | 133                   | 31                   |
| 11618E 3308N                            | 2426-02057        | 00000/0000                   | 2-20021/1800               | 03/23/76         | 10                  | 5931            | 44.8         | 128.2        | GGGG                               |                     |                      | 131                   | 37                   |
| 11618E 3308N                            | 2678-01574        | 00000/0000                   | 2-20036/1568               | 11/30/76         | 90                  | 9445            | 27.6         | 146.9        | GGGG                               |                     |                      | 131                   | 37                   |
| 11618E 3006S                            | 2649-01140        | 00000/0000                   | 2-20035/0376               | 11/01/76         | 0                   | 9040            | 49.2         | 76.6         | GGGG                               |                     |                      | 120                   | 81                   |
| 11618E 3014S                            | 2685-01123        | 00000/0000                   | 2-20037/0363               | 12/07/76         | 10                  | 9542            | 50.7         | 89.4         | GGGG                               |                     |                      | 120                   | 81                   |
| 11617E 4855N                            | 2466-02223        | 00000/0000                   | 2-20024/1080               | 05/07/76         | 80                  | 6489            | 49.7         | 136.9        | GGGG                               |                     |                      | 135                   | 26                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11617E                                  | 3308N             | 2606-0200P                   | 00000/0000                  | 2-20032/1468     | 09/19/76            | 80              | 8441         | 46.4         | 129.8                              | GGGG                |                      | 131                   | 37                   |
| 11617E                                  | 3008S             | 2631-01144                   | 00000/0000                  | 2-20034/0705     | 10/14/76            | 30              | 8789         | 45.4         | 69.1                               | GGGG                |                      | 120                   | 81                   |
| 11616E                                  | 4148N             | 2716-02050                   | 00000/0000                  | 2-20038/0748     | 01/07/77            | 0               | 9975         | 18.5         | 147.0                              | GGGG                |                      | 133                   | 31                   |
| 11616E                                  | 4145N             | 2554-02104                   | 00000/0000                  | 2-20030/0317     | 07/29/76            | 50              | 7716         | 54.0         | 119.8                              | GGGG                |                      | 133                   | 31                   |
| 11616E                                  | 3734N             | 2445-02031                   | 00000/0000                  | 2-20027/1646     | 04/11/76            | 10              | 6196         | 49.1         | 127.6                              | GGGG                |                      | 132                   | 34                   |
| 11616E                                  | 3306N             | 2660-01552                   | 00000/0000                  | 2-20036/0456     | 11/12/76            | 100             | 9194         | 31.6         | 145.9                              | GGGG                |                      | 131                   | 37                   |
| 11616E                                  | 3013S             | 2667-01132                   | 00000/0000                  | 2-20036/1072     | 11/19/76            | 0               | 9291         | 51.0         | 83.9                               | GGGG                |                      | 120                   | 81                   |
| 11615E                                  | 4148N             | 2590-02094                   | 00000/0000                  | 2-20032/0545     | 09/03/76            | 10              | 8218         | 46.1         | 132.4                              | GGG                 |                      | 133                   | 31                   |
| 11615E                                  | 3732N             | 2571-02054                   | 00000/0000                  | 2-20030/1328     | 08/15/76            | 10              | 7953         | 52.2         | 119.4                              | GGGG                |                      | 132                   | 34                   |
| 11615E                                  | 3722N             | 2499-02074                   | 00000/0000                  | 2-20026/0727     | 06/04/76            | 10              | 6949         | 59.2         | 110.1                              | GGGF                |                      | 132                   | 34                   |
| 11614E                                  | 4144N             | 2428-02141                   | 00000/0000                  | 2-20022/0546     | 03/25/76            | 100             | 5959         | 41.0         | 136.1                              | G GG                |                      | 133                   | 31                   |
| 11614E                                  | 4144N             | 2698-02055                   | 00000/0000                  | 2-20037/1041     | 12/20/76            | 0               | 9724         | 18.5         | 149.5                              | GGGG                |                      | 133                   | 31                   |
| 11614E                                  | 4139N             | 2536-02111                   | 00000/0000                  | 2-20028/1146     | 07/11/76            | 90              | 7465         | 56.7         | 115.9                              | GGGG                |                      | 133                   | 31                   |
| 11614E                                  | 4137N             | 2500-02121                   | 00000/0000                  | 2-20026/0765     | 06/05/76            | 20              | 6963         | 58.4         | 117.6                              | GGFG                |                      | 133                   | 31                   |
| 11614E                                  | 3732N             | 2559-02051                   | 00000/0000                  | 2-20032/0489     | 09/02/76            | 10              | 8204         | 48.4         | 127.1                              | GGGG                |                      | 132                   | 34                   |
| 11614E                                  | 3732N             | 2715-02004                   | 00000/0000                  | 2-20038/0731     | 01/06/77            | 30              | 9961         | 21.5         | 145.3                              | FGGG                |                      | 132                   | 34                   |
| 11614E                                  | 3729N             | 2697-02012                   | 00000/0000                  | 2-20037/1027     | 12/19/76            | 80              | 9710         | 21.8         | 147.8                              | GGGG                |                      | 132                   | 34                   |
| 11614E                                  | 3726N             | 2427-02094                   | 00000/0000                  | 2-20022/0511     | 03/24/76            | 90              | 5945         | 43.0         | 132.2                              | GGFF                |                      | 132                   | 34                   |
| 11614E                                  | 3724N             | 2481-02081                   | 00000/0000                  | 2-20025/0678     | 05/17/76            | 80              | 6698         | 57.7         | 115.6                              | GGGG                |                      | 132                   | 34                   |
| 11614E                                  | 3303N             | 2624-01594                   | 00000/0000                  | 2-20034/0405     | 10/07/76            | 100             | 8692         | 41.7         | 137.1                              | GGGG                |                      | 131                   | 37                   |
| 11613E                                  | 4133N             | 2518-02115                   | 00000/0000                  | 2-20027/0427     | 06/23/76            | 80              | 7214         | 58.3         | 115.1                              | FFFG                |                      | 133                   | 31                   |
| 11613E                                  | 2732N             | 2461-02001                   | 00000/0000                  | 2-20024/0176     | 04/27/76            | 30              | 6419         | 56.3         | 107.2                              | GGGG                |                      | 130                   | 41                   |
| 11612E                                  | 4141N             | 2608-02091                   | 00000/0000                  | 2-20032/1544     | 09/21/76            | 20              | 8469         | 41.1         | 138.9                              | GGGG                |                      | 133                   | 31                   |
| 11612E                                  | 4140N             | 2680-02063                   | 00000/0000                  | 2-20036/0707     | 12/02/76            | 0               | 9473         | 20.8         | 150.8                              | GGGG                |                      | 133                   | 31                   |
| 11612E                                  | 3726N             | 2553-02062                   | 00000/0000                  | 2-20030/0211     | 07/28/76            | 90              | 7702         | 55.3         | 112.7                              | GGGG                |                      | 132                   | 34                   |
| 11612E                                  | 3720N             | 2535-02065                   | 00000/0000                  | 2-20028/1112     | 07/10/76            | 80              | 7451         | 57.6         | 108.3                              | GGGG                |                      | 132                   | 34                   |
| 11611E                                  | 4137N             | 2662-02072                   | 00000/0000                  | 2-20036/0935     | 11/14/76            | 0               | 9222         | 24.7         | 150.6                              | GGGG                |                      | 133                   | 31                   |
| 11611E                                  | 3726N             | 2607-02044                   | 00000/0000                  | 2-20032/1424     | 09/20/76            | 10              | 8455         | 43.8         | 134.6                              | GFGG                |                      | 132                   | 34                   |
| 11611E                                  | 3720N             | 2517-02072                   | 00000/0000                  | 2-20027/0257     | 06/22/76            | 10              | 7200         | 59.0         | 107.4                              | GGGG                |                      | 132                   | 34                   |
| 11611E                                  | 2730N             | 2443-02004                   | 00000/0000                  | 2-20022/1588     | 04/09/76            | 90              | 6168         | 52.2         | 115.4                              | GGGG                |                      | 130                   | 41                   |
| 11610E                                  | 4844N             | 2502-02213                   | 00000/0000                  | 2-20027/0207     | 06/07/76            | 90              | 6991         | 55.9         | 129.5                              | GGGG                |                      | 135                   | 26                   |
| 11610E                                  | 3725N             | 2679-02021                   | 00000/0000                  | 2-20036/1641     | 12/01/76            | 0               | 9459         | 24.2         | 148.9                              | FGGG                |                      | 132                   | 34                   |
| 11610E                                  | 3722N             | 2661-02025                   | 00000/0000                  | 2-20036/0408     | 11/13/76            | 10              | 9208         | 28.2         | 148.3                              | GGGG                |                      | 132                   | 34                   |
| 11609E                                  | 4844N             | 2538-02273                   | 00000/0000                  | 2-20028/1244     | 07/13/76            | 10              | 7493         | 54.1         | 127.8                              | FGGG                |                      | 135                   | 26                   |
| 11609E                                  | 4138N             | 2626-02084                   | 00000/0000                  | 2-20034/0480     | 10/09/76            | 70              | 8720         | 35.5         | 144.5                              | GGGG                |                      | 133                   | 31                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 11609E                      | 4136N             | 2644-02030                                     | 00000/0000       | 2-20035/0013        | 10/27/76        | 100          | 8971         | 29.9                  | 148.4               | GGGG                 |                       |                      |
| 11609E                      | 3721N             | 2643-02033                                     | 00000/0000       | 2-20035/0165        | 10/26/76        | 0            | 8957         | 33.3                  | 145.6               | FGGG                 | 133                   | 31                   |
| 11609E                      | 3719N             | 2409-02102                                     | 00000/0000       | 2-20021/1259        | 03/06/76        | 90           | 5694         | 36.6                  | 136.1               | GGGF                 | 132                   | 34                   |
| 11608E                      | 4840N             | 2520-02211                                     | 00000/0000       | 2-20028/0123        | 06/25/76        | 30           | 7242         | 55.9                  | 127.3               | GGGG                 | 132                   | 34                   |
| 11608E                      | 2729N             | 2713-01521                                     | 00000/0000       | 2-20038/0702        | 01/04/77        | 100          | 9933         | 28.4                  | 140.9               | GGGF                 | 135                   | 26                   |
| 11607E                      | 3718N             | 2625-02041                                     | 00000/0000       | 2-20034/0544        | 10/02/76        | 10           | 8706         | 38.7                  | 140.9               | GGGG                 | 130                   | 41                   |
| 11607E                      | 2726N             | 2425-02011                                     | 00000/0000       | 2-20021/1780        | 03/22/76        | 100          | 5917         | 46.9                  | 122.5               | FGGG                 | 132                   | 34                   |
| 11606E                      | 2726N             | 2731-01513                                     | 00000/0000       | 2-20038/1665        | 01/22/77        | 100          | 184          | 29.7                  | 137.2               | GGGG                 | 130                   | 41                   |
| 11606E                      | 2725N             | 2605-01541                                     | 00000/0000       | 2-20032/0907        | 09/18/76        | 70           | 8427         | 49.1                  | 122.9               | GGGG                 | 130                   | 41                   |
| 11606E                      | 2725N             | 2677-01534                                     | 00000/0000       | 2-20036/1464        | 11/29/76        | 60           | 9431         | 31.9                  | 143.9               | GGGG                 | 130                   | 41                   |
| 11606E                      | 2725N             | 2695-01525                                     | 00000/0000       | 2-20037/1114        | 12/17/76        | 40           | 9682         | 29.2                  | 143.3               | GGGG                 | 130                   | 41                   |
| 11605E                      | 0839S             | 2545-01340                                     | 00000/0000       | 2-20028/1787        | 07/20/76        | 10           | 7590         | 39.4                  | 54.1                | GGGF                 | 124                   | 66                   |
| 11603E                      | 2720N             | 2407-02015                                     | 00000/0000       | 2-20021/1028        | 03/04/76        | 90           | 5666         | 41.3                  | 128.4               | FGGF                 | 130                   | 41                   |
| 11603E                      | 2720N             | 2641-01550                                     | 00000/0000       | 2-20034/1125        | 10/24/76        | 90           | 8929         | 40.6                  | 138.1               | GGGG                 | 130                   | 41                   |
| 11603E                      | 2720N             | 2659-01542                                     | 00000/0000       | 2-20036/0245        | 11/11/76        | 100          | 9180         | 35.9                  | 142.3               | GGGG                 | 130                   | 41                   |
| 11602E                      | 2718N             | 2623-01554                                     | 00000/0000       | 2-20034/0537        | 10/06/76        | 10           | 8678         | 45.2                  | 131.5               | GGGG                 | 130                   | 41                   |
| 11601E                      | 5133N             | 2503-02263                                     | 00000/0000       | 2-20026/0739        | 06/08/76        | 10           | 7005         | 54.6                  | 133.8               | GGGG                 | 136                   | 24                   |
| 11601E                      | 2718N             | 2371-02024                                     | 00000/0000       | 2-20020/0372        | 01/28/76        | 90           | 5164         | 32.2                  | 138.3               | GGGG                 | 130                   | 41                   |
| 11600E                      | 5132N             | 2539-02253                                     | 00000/0000       | 2-20028/1284        | 07/14/76        | 20           | 7507         | 52.7                  | 132.2               | GGGG                 | 136                   | 24                   |
| 11600E                      | 2714N             | 2389-02022                                     | 00000/0000       | 2-20020/1548        | 02/15/76        | 20           | 5415         | 36.1                  | 133.6               | FFGG                 | 130                   | 41                   |
| 11559E                      | 5128N             | 2521-02260                                     | 00000/0000       | 2-20026/1230        | 06/10/76        | 0            | 7032         | 21.0                  | 43.3                | GGGG                 | 120                   | 82                   |
| 11559E                      | 3149N             | 2462-02043                                     | 00000/0000       | 2-20027/0498        | 06/26/76        | 100          | 7256         | 54.6                  | 131.8               | GGFG                 | 134                   | 24                   |
| 11559E                      | 3133S             | 2523-01132                                     | 00000/0000       | 2-20024/0707        | 04/28/76        | 90           | 6433         | 55.7                  | 113.6               | GGGG                 | 131                   | 38                   |
| 11558E                      | 3138S             | 2541-01175                                     | 00000/0000       | 2-20028/1169        | 06/28/76        | 0            | 7283         | 20.1                  | 44.0                | GGGG                 | 120                   | 82                   |
| 11556E                      | 3148N             | 2444-02051                                     | 00000/0000       | 2-20028/1487        | 07/16/76        | 10           | 7534         | 21.0                  | 45.9                | GGGG                 | 120                   | 82                   |
| 11556E                      | 3141N             | 2498-02034                                     | 00000/0000       | 2-20022/1545        | 04/10/76        | 60           | 6182         | 51.1                  | 120.7               | GGGG                 | 131                   | 38                   |
| 11555E                      | 3143N             | 2480-02041                                     | 00000/0000       | 2-20026/0670        | 06/03/76        | 30           | 6935         | 59.6                  | 99.8                | GGGG                 | 131                   | 38                   |
| 11554E                      | 3606N             | 2463-02090                                     | 00000/0000       | 2-20025/0612        | 05/16/76        | 0            | 6684         | 58.6                  | 105.9               | GGGG                 | 132                   | 35                   |
| 11554E                      | 3148N             | 2714-01563                                     | 00000/0000       | 2-20024/1275        | 04/29/76        | 90           | 6447         | 54.7                  | 119.8               | GGGG                 | 131                   | 38                   |
| 11554E                      | 3146N             | 2696-01572                                     | 00000/0000       | 2-20038/0716        | 01/05/77        | 40           | 9947         | 25.5                  | 142.9               | GGGG                 | 131                   | 38                   |
| 11554E                      | 3136N             | 2516-02032                                     | 00000/0000       | 2-20037/1014        | 12/18/76        | 90           | 9696         | 26.0                  | 145.3               | GGGG                 | 131                   | 38                   |
| 11554E                      | 3134S             | 2613-01154                                     | 00000/0000       | 2-20027/0118        | 06/21/76        | 50           | 7186         | 59.2                  | 96.8                | GGGG                 | 131                   | 38                   |
| 11553E                      | 3142N             | 2426-02054                                     | 00000/0000       | 2-20032/1873        | 09/26/76        | 60           | 8538         | 39.4                  | 61.8                | GGGG                 | 120                   | 82                   |
| 11553E                      | 3131S             | 2649-01143                                     | 00000/0000       | 2-20021/1801        | 03/23/76        | 40           | 5931         | 45.4                  | 126.7               | GGGF                 | 131                   | 38                   |
|                             |                   |                                                | 00000/0000       | 2-20035/0377        | 11/01/76        | 20           | 9040         | 48.6                  | 75.2                | GGGG                 | 120                   | 82                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                  |                  |                     |               |              |              | 123 45678             |                     |                      |                       |                      |
| 11553E                      | 3140S             | 2685-01130            | 00000/0000           | 2-20037/0364     | 12/07/76            | 30            | 9542         | 50.4         | 87.9                  | GGGG                |                      | 120                   | 82                   |
| 11552E                      | 3142N             | 2678-01580            | 00000/0000           | 2-20036/1569     | 11/30/76            | 90            | 9445         | 28.6         | 146.2                 | GGGG                |                      | 131                   | 38                   |
| 11552E                      | 3134S             | 2631-01151            | 00000/0000           | 2-20034/0706     | 10/14/76            | 40            | 8789         | 44.7         | 68.0                  | GGGG                |                      | 120                   | 82                   |
| 11552E                      | 3139S             | 2667-01135            | 00000/0000           | 2-20036/1073     | 11/19/76            | 0             | 9291         | 50.5         | 82.4                  | GGGG                |                      | 120                   | 82                   |
| 11551E                      | 3142N             | 2606-02004            | 00000/0000           | 2-20032/1469     | 09/19/76            | 100           | 8441         | 47.1         | 128.2                 | GGGG                |                      | 131                   | 38                   |
| 11551E                      | 3140N             | 2660-01585            | 00000/0000           | 2-20036/0457     | 11/12/76            | 100           | 9194         | 32.7         | 145.1                 | GGGG                |                      | 131                   | 38                   |
| 11551E                      | 3138N             | 2642-01593            | 00000/0000           | 2-20034/1119     | 10/25/76            | 90            | 8943         | 37.5         | 141.6                 | GGGG                |                      | 131                   | 38                   |
| 11550E                      | 2605N             | 2461-02003            | 00000/0000           | 2-20024/0177     | 04/27/76            | 10            | 6419         | 56.4         | 104.9                 | GGGG                |                      | 130                   | 42                   |
| 11549E                      | 3608N             | 2445-02093            | 00000/0000           | 2-20022/1647     | 04/11/76            | 20            | 6196         | 49.8         | 125.8                 | GGGG                |                      | 132                   | 35                   |
| 11549E                      | 3137N             | 2624-02001            | 00000/0000           | 2-20034/0406     | 10/07/76            | 100           | 8692         | 42.5         | 135.9                 | GGGG                |                      | 131                   | 38                   |
| 11548E                      | 4027N             | 2446-02140            | 00000/0000           | 2-20023/0027     | 04/12/76            | 90            | 6210         | 48.1         | 130.7                 | GGGG                |                      | 133                   | 32                   |
| 11548E                      | 4022N             | 2464-02133            | 00000/0000           | 2-20024/0743     | 04/30/76            | 10            | 6461         | 53.4         | 125.7                 | GGGG                |                      | 133                   | 32                   |
| 11548E                      | 3606N             | 2571-02061            | 00000/0000           | 2-20030/1329     | 08/15/76            | 10            | 7953         | 52.7         | 117.4                 | GGGG                |                      | 132                   | 35                   |
| 11548E                      | 3556N             | 2499-02081            | 00000/0000           | 2-20026/0728     | 06/04/76            | 10            | 6949         | 59.4         | 107.5                 | GGGG                |                      | 132                   | 35                   |
| 11548E                      | 2604N             | 2443-02010            | 00000/0000           | 2-20022/1589     | 04/09/76            | 90            | 6168         | 52.5         | 113.4                 | GGGG                |                      | 130                   | 42                   |
| 11547E                      | 3606N             | 2715-02010            | 00000/0000           | 2-20038/0732     | 01/06/77            | 0             | 9961         | 22.5         | 144.7                 | GGGG                |                      | 132                   | 35                   |
| 11546E                      | 4020N             | 2554-02111            | 00000/0000           | 2-20030/0318     | 07/29/76            | 40            | 7716         | 54.4         | 117.6                 | GGGG                |                      | 133                   | 32                   |
| 11546E                      | 3606N             | 2589-02054            | 00000/0000           | 2-20032/0490     | 09/02/76            | 10            | 8204         | 49.0         | 125.4                 | GGGG                |                      | 132                   | 35                   |
| 11546E                      | 3602N             | 2697-02014            | 00000/0000           | 2-20037/1028     | 12/19/76            | 70            | 9710         | 22.8         | 147.2                 | GGGG                |                      | 132                   | 35                   |
| 11546E                      | 3601N             | 2427-02101            | 00000/0000           | 2-20022/0512     | 03/24/76            | 80            | 5945         | 43.7         | 130.8                 | GGGG                |                      | 132                   | 35                   |
| 11546E                      | 3601N             | 2553-02064            | 00000/0000           | 2-20030/0212     | 07/28/76            | 80            | 7702         | 55.6         | 110.4                 | GGGG                |                      | 132                   | 35                   |
| 11546E                      | 3559N             | 2481-02034            | 00000/0000           | 2-20025/0679     | 05/17/76            | 50            | 6698         | 58.1         | 113.1                 | GGGG                |                      | 132                   | 35                   |
| 11545E                      | 4023N             | 2716-02053            | 00000/0000           | 2-20038/0749     | 01/07/77            | 0             | 9975         | 19.5         | 146.4                 | GGGG                |                      | 133                   | 32                   |
| 11545E                      | 4022N             | 2590-02101            | 00000/0000           | 2-20032/0546     | 09/03/76            | 10            | 8218         | 46.8         | 130.8                 | GGGG                |                      | 133                   | 32                   |
| 11545E                      | 3555N             | 2535-02071            | 00000/0000           | 2-20028/1113     | 07/10/76            | 70            | 7451         | 57.8         | 105.8                 | GGGG                |                      | 132                   | 35                   |
| 11545E                      | 2603N             | 2713-01523            | 00000/0000           | 2-20038/0703     | 01/04/77            | 100           | 9933         | 29.3         | 140.2                 | GGGG                |                      | 130                   | 42                   |
| 11544E                      | 4019N             | 2428-02144            | 00000/0000           | 2-20022/0547     | 03/25/76            | 100           | 5959         | 41.8         | 134.7                 | GGGG                |                      | 133                   | 32                   |
| 11544E                      | 4019N             | 2698-02061            | 00000/0000           | 2-20037/1042     | 12/20/76            | 10            | 9724         | 19.6         | 148.9                 | GGGG                |                      | 133                   | 32                   |
| 11544E                      | 4014N             | 2536-02114            | 00000/0000           | 2-20028/1147     | 07/11/76            | 60            | 7465         | 57.0         | 113.5                 | GGGG                |                      | 133                   | 32                   |
| 11544E                      | 4011N             | 2500-02124            | 00000/0000           | 2-20026/0766     | 06/05/76            | 10            | 6963         | 58.7         | 115.1                 | GGGG                |                      | 133                   | 32                   |
| 11544E                      | 2600N             | 2425-02014            | 00000/0000           | 2-20022/0383     | 03/22/76            | 100           | 5917         | 47.4         | 120.9                 | GGGG                |                      | 130                   | 42                   |
| 11543E                      | 4009N             | 2518-02121            | 00000/0000           | 2-20027/0428     | 06/23/76            | 80            | 7214         | 58.6         | 112.5                 | GGGG                |                      | 133                   | 32                   |
| 11543E                      | 3601N             | 2607-02051            | 00000/0000           | 2-20032/1425     | 09/20/76            | 0             | 8455         | 44.6         | 133.2                 | GGGG                |                      | 132                   | 35                   |
| 11543E                      | 3559N             | 2679-02023            | 00000/0000           | 2-20036/1642     | 12/01/76            | 0             | 9459         | 25.3         | 148.3                 | GGGG                |                      | 132                   | 35                   |
| 11543E                      | 3555N             | 2517-02074            | 00000/0000           | 2-20027/0258     | 06/22/76            | 0             | 7200         | 59.2         | 104.7                 | GGGG                |                      | 132                   | 35                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN. H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR MDN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0766

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|----------------------|------------------|----------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                   | MSS                  |                  | %              |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 11543E                      | 2600N | 2731-01515        | 00000/0000            | 2-2003R/1666         | 01/22/77         | 100            | 184             | 30.5         | 136.4        | GGGG                  |                     |                      | 130                   | 42                   |
| 11543E                      | 2559N | 2677-01540        | 00000/0000            | 2-2003A/1465         | 11/29/76         | 90             | 9431            | 32.9         | 143.1        | GGGG                  |                     |                      | 130                   | 42                   |
| 11542E                      | 4015N | 2680-02070        | 00000/0000            | 2-20036/0708         | 12/02/76         | 10             | 9473            | 21.9         | 150.2        | GGGG                  |                     |                      | 133                   | 32                   |
| 11542E                      | 3555N | 2643-02040        | 00000/0000            | 2-20035/0166         | 10/26/76         | 0              | 8957            | 34.3         | 144.7        | GGGG                  |                     |                      | 132                   | 35                   |
| 11542E                      | 3553N | 2409-02104        | 00000/0000            | 2-20021/1260         | 03/06/76         | 90             | 5694            | 37.4         | 135.0        | GGGF                  |                     |                      | 132                   | 35                   |
| 11542E                      | 2559N | 2695-01532        | 00000/0000            | 2-20037/1115         | 12/17/76         | 50             | 9682            | 30.2         | 142.6        | GGPG                  |                     |                      | 130                   | 42                   |
| 11541E                      | 4012N | 2662-02074        | 00000/0000            | 2-20036/0936         | 11/14/76         | 30             | 9222            | 25.8         | 149.8        | GGGG                  |                     |                      | 133                   | 32                   |
| 11540E                      | 3552N | 2625-02044        | 00000/0000            | 2-20034/0545         | 10/08/76         | 0              | 8706            | 39.6         | 139.8        | GGGG                  |                     |                      | 132                   | 35                   |
| 11540E                      | 2554N | 2407-02021        | 00000/0000            | 2-20021/1029         | 03/04/76         | 90             | 5666            | 41.9         | 127.1        | FQGG                  |                     |                      | 130                   | 42                   |
| 11540E                      | 2554N | 2641-01553        | 00000/0000            | 2-20034/1126         | 10/24/76         | 90             | 8929            | 41.5         | 137.0        | GGGG                  |                     |                      | 130                   | 42                   |
| 11539E                      | 4013N | 2626-02090        | 00000/0000            | 2-20034/0481         | 10/09/76         | 40             | 8720            | 36.5         | 143.4        | GGGG                  |                     |                      | 133                   | 32                   |
| 11539E                      | 2554N | 2659-01545        | 00000/0000            | 2-20036/0246         | 11/11/76         | 100            | 9180            | 36.9         | 141.3        | GGGG                  |                     |                      | 130                   | 42                   |
| 11539E                      | 2552N | 2623-01561        | 00000/0000            | 2-20034/0538         | 10/06/76         | 10             | 8678            | 46.0         | 130.1        | PPPP                  |                     |                      | 130                   | 42                   |
| 11537E                      | 2549N | 2389-02024        | 00000/0000            | 2-20020/1549         | 02/15/76         | 50             | 5415            | 36.9         | 132.6        | GGGG                  |                     |                      | 130                   | 42                   |
| 11534E                      | 3023N | 2462-02050        | 00000/0000            | 2-20024/0708         | 04/28/76         | 70             | 6433            | 56.0         | 111.3        | GGGG                  |                     |                      | 131                   | 39                   |
| 11532E                      | 3021N | 2444-02059        | 00000/0000            | 2-20022/1546         | 04/10/76         | 90             | 6182            | 51.6         | 118.8        | GGGG                  |                     |                      | 131                   | 39                   |
| 11531E                      | 3016N | 2498-02041        | 00000/0000            | 2-20025/0671         | 06/03/76         | 40             | 6935            | 59.6         | 97.1         | GFGG                  |                     |                      | 131                   | 39                   |
| 11530E                      | 3016N | 2480-02043        | 00000/0000            | 2-20025/0613         | 05/16/76         | 40             | 6684            | 58.7         | 103.4        | GGGG                  |                     |                      | 131                   | 39                   |
| 11529E                      | 5021N | 2575-02245        | 00000/0000            | 2-20030/1547         | 08/19/76         | 40             | 8009            | 45.5         | 137.3        | GFGG                  |                     |                      | 136                   | 25                   |
| 11529E                      | 3022N | 2714-01570        | 00000/0000            | 2-20038/0717         | 01/05/77         | 10             | 9947            | 26.4         | 142.2        | GGGG                  |                     |                      | 131                   | 39                   |
| 11529E                      | 3019N | 2696-01574        | 00000/0000            | 2-20037/1015         | 12/18/76         | 90             | 9696            | 27.1         | 144.7        | GGGG                  |                     |                      | 131                   | 39                   |
| 11529E                      | 3009N | 2516-02034        | 00000/0000            | 2-20027/0119         | 16/21/76         | 40             | 7186            | 59.1         | 94.3         | GGGG                  |                     |                      | 131                   | 39                   |
| 11528E                      | 5022N | 2467-02274        | 00000/0000            | 2-20024/1228         | 05/03/76         | 10             | 6503            | 49.2         | 138.6        | GGGG                  |                     |                      | 136                   | 25                   |
| 11528E                      | 3016N | 2426-02061        | 00000/0000            | 2-20021/1802         | 03/23/76         | 90             | 5931            | 46.0         | 125.2        | GFGG                  |                     |                      | 131                   | 39                   |
| 11527E                      | 3440N | 2463-02093        | 00000/0000            | 2-20024/1276         | 04/29/76         | 50             | 6447            | 55.2         | 117.6        | GGGG                  |                     |                      | 132                   | 36                   |
| 11527E                      | 3017N | 2678-01583        | 00000/0000            | 2-20036/1570         | 11/30/76         | 80             | 9445            | 29.6         | 145.5        | FQGG                  |                     |                      | 131                   | 39                   |
| 11526E                      | 3016N | 2606-02011        | 00000/0000            | 2-20032/1470         | 09/19/76         | 100            | 8441            | 47.7         | 126.7        | FQGG                  |                     |                      | 131                   | 39                   |
| 11526E                      | 3015N | 2660-01591        | 00000/0000            | 2-20036/0458         | 11/12/76         | 100            | 9194            | 33.7         | 144.2        | GGGG                  |                     |                      | 131                   | 39                   |
| 11526E                      | 3013N | 2642-01595        | 00000/0000            | 2-20034/1120         | 10/25/76         | 90             | 8343            | 38.5         | 140.6        | GGGG                  |                     |                      | 131                   | 39                   |
| 11525E                      | 4315N | 2447-02185        | 00000/0000            | 2-20023/0062         | 04/13/76         | 10             | 6224            | 47.0         | 133.8        | GFGG                  |                     |                      | 134                   | 30                   |
| 11525E                      | 2438N | 2443-02013        | 00000/0000            | 2-20022/1590         | 04/09/76         | 90             | 6168            | 52.8         | 111.4        | GGGG                  |                     |                      | 130                   | 43                   |
| 11524E                      | 4315N | 2465-02182        | 00000/0000            | 2-20024/1041         | 05/01/76         | 10             | 6475            | 52.4         | 129.5        | GGGG                  |                     |                      | 134                   | 30                   |
| 11524E                      | 3011N | 2624-02003        | 00000/0000            | 2-20034/2407         | 10/07/76         | 100            | 8692            | 43.4         | 134.6        | FQGG                  |                     |                      | 131                   | 39                   |
| 11523E                      | 2841S | 2506-01234        | 00000/0000            | 2-20026/1248         | 06/11/76         | 10             | 7046            | 23.3         | 43.7         | GGGG                  |                     |                      | 121                   | 80                   |
| 11522E                      | 4311N | 2429-02133        | 00000/0000            | 2-20022/0651         | 03/26/76         | 0              | 5973            | 40.5         | 137.2        | GGGG                  |                     |                      | 134                   | 30                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 177

LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US  
FROM 01/22/76 TO 01/22/77

PAGE 0767

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL No./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SRRIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11522E 3442N                            | 2445-02100        | 00000/0000                   | 2-20022/1648                | 04/11/76         | 90                  | 6196            | 50.3         | 124.0        | GGGG                               |                     |                      | 132                   | 36                   |
| 11522E 2437N                            | 2713-01530        | 00000/0000                   | 2-20038/0704                | 01/04/77         | 100                 | 9933            | 30.2         | 139.4        | GGGG                               |                     |                      | 130                   | 43                   |
| 11521E 5012N                            | 2557-02252        | 00000/0000                   | 2-20030/0397                | 08/01/76         | 10                  | 7758            | 50.0         | 132.8        | GGGG                               |                     |                      | 136                   | 25                   |
| 11521E 5009N                            | 2503-02265        | 00000/0000                   | 2-20026/0740                | 06/08/76         | 10                  | 7005            | 55.3         | 131.6        | GGG                                |                     |                      | 136                   | 25                   |
| 11521E 3440N                            | 2571-02063        | 00000/0000                   | 2-20030/1330                | 08/15/76         | 10                  | 7953            | 53.0         | 115.4        | GGGG                               |                     |                      | 132                   | 36                   |
| 11521E 3431N                            | 2499-02083        | 00000/0000                   | 2-20026/0729                | 06/04/76         | 10                  | 6949            | 59.6         | 104.8        | GGGG                               |                     |                      | 132                   | 36                   |
| 11521E 2434N                            | 2425-02020        | 00000/0000                   | 2-20022/0384                | 03/22/76         | 100                 | 5917            | 47.9         | 119.2        | GGFG                               |                     |                      | 130                   | 43                   |
| 11521E 2844S                            | 2524-01231        | 00000/0000                   | 2-20028/0306                | 06/29/76         | 40                  | 7297            | 22.5         | 44.4         | GGGG                               |                     |                      | 121                   | 80                   |
| 11520E 5007N                            | 2539-02255        | 00000/0000                   | 2-20028/1285                | 07/14/76         | 10                  | 7507            | 53.3         | 130.0        | GGGG                               |                     |                      | 136                   | 25                   |
| 11520E 3440N                            | 2589-02060        | 00000/0000                   | 2-20032/0491                | 09/02/76         | 60                  | 8204            | 49.6         | 123.6        | GGGG                               |                     |                      | 132                   | 36                   |
| 11520E 3437N                            | 2697-02021        | 00000/0000                   | 2-20037/1029                | 12/19/76         | 80                  | 9710            | 23.9         | 146.5        | GGGG                               |                     |                      | 132                   | 36                   |
| 11520E 3435N                            | 2553-02071        | 00000/0000                   | 2-20030/0213                | 07/28/76         | 40                  | 7702            | 55.8         | 108.1        | GGGG                               |                     |                      | 132                   | 36                   |
| 11520E 3433N                            | 2431-02090        | 00000/0000                   | 2-20025/0680                | 05/17/76         | 50                  | 6698            | 58.3         | 110.6        | GGGG                               |                     |                      | 132                   | 36                   |
| 11520E 2433N                            | 2677-01543        | 00000/0000                   | 2-20036/1466                | 11/29/76         | 60                  | 9431            | 33.9         | 142.3        | GGFG                               |                     |                      | 130                   | 43                   |
| 11519E 5004N                            | 2521-02262        | 00000/0000                   | 2-20027/0499                | 06/26/76         | 90                  | 7256            | 55.2         | 129.5        | GGFG                               |                     |                      | 136                   | 25                   |
| 11519E 3856N                            | 2464-02140        | 00000/0000                   | 2-20024/0744                | 04/30/76         | 10                  | 6461            | 54.0         | 123.7        | GGG                                |                     |                      | 133                   | 33                   |
| 11519E 3440N                            | 2715-02013        | 00000/0000                   | 2-20038/0733                | 01/06/77         | 0                   | 9961            | 23.5         | 144.0        | GGG                                |                     |                      | 132                   | 36                   |
| 11519E 3435N                            | 2427-02103        | 00000/0000                   | 2-20022/0513                | 03/24/76         | 80                  | 5945            | 44.4         | 129.4        | GGFF                               |                     |                      | 132                   | 36                   |
| 11519E 3430N                            | 2535-02074        | 00000/0000                   | 2-20028/1114                | 07/10/76         | 30                  | 7451            | 57.8         | 103.3        | GGGG                               |                     |                      | 132                   | 36                   |
| 11519E 2434N                            | 2695-01534        | 00000/0000                   | 2-20037/1116                | 12/17/76         | 70                  | 9682            | 31.2         | 141.8        | GGGG                               |                     |                      | 130                   | 43                   |
| 11518E 3901N                            | 2446-02143        | 00000/0000                   | 2-20023/0028                | 04/12/76         | 90                  | 6210            | 48.8         | 129.0        | GGGG                               |                     |                      | 133                   | 33                   |
| 11517E 4303N                            | 2537-02163        | 00000/0000                   | 2-20028/1236                | 07/12/76         | 60                  | 7479            | 56.2         | 118.4        | GGGG                               |                     |                      | 134                   | 30                   |
| 11517E 3435N                            | 2407-02053        | 00000/0000                   | 2-20032/1426                | 09/20/76         | 10                  | 8455            | 45.4         | 131.7        | GGGG                               |                     |                      | 132                   | 36                   |
| 11517E 3433N                            | 2679-02030        | 00000/0000                   | 2-20036/1643                | 12/01/76         | 0                   | 9459            | 26.3         | 147.6        | GGGG                               |                     |                      | 132                   | 36                   |
| 11517E 3429N                            | 2517-02081        | 00000/0000                   | 2-20027/0259                | 06/22/76         | 40                  | 7200            | 59.2         | 102.1        | GGGG                               |                     |                      | 132                   | 36                   |
| 11517E 2429N                            | 2407-02024        | 00000/0000                   | 2-20021/1030                | 03/04/76         | 90                  | 5666            | 42.6         | 125.8        | FFFG                               |                     |                      | 130                   | 43                   |
| 11517E 2841S                            | 2650-01192        | 00000/0000                   | 2-20035/0427                | 11/02/76         | 0                   | 9034            | 49.9         | 78.5         | GGGG                               |                     |                      | 121                   | 80                   |
| 11517E 2842S                            | 2614-01203        | 00000/0000                   | 2-20034/0027                | 09/27/76         | 50                  | 8552            | 41.5         | 63.8         | GGFG                               |                     |                      | 121                   | 80                   |
| 11516E 3857N                            | 2716-02055        | 00000/0000                   | 2-20038/0750                | 01/07/77         | 0                   | 9975            | 20.5         | 145.8        | GGGG                               |                     |                      | 133                   | 33                   |
| 11516E 3856N                            | 2590-02103        | 00000/0000                   | 2-20032/0547                | 09/03/76         | 10                  | 8218            | 47.5         | 129.2        | GGGF                               |                     |                      | 133                   | 33                   |
| 11516E 3855N                            | 2554-02113        | 00000/0000                   | 2-20030/0319                | 07/29/76         | 40                  | 7716            | 54.8         | 115.3        | FGGG                               |                     |                      | 133                   | 33                   |
| 11516E 3432N                            | 2661-02034        | 00000/0000                   | 2-20036/0409                | 11/13/76         | 70                  | 9208            | 30.3         | 146.8        | GGGG                               |                     |                      | 132                   | 36                   |
| 11516E 2428N                            | 2659-01551        | 00000/0000                   | 2-20036/0247                | 11/11/76         | 100                 | 9180            | 37.9         | 140.4        | GGGG                               |                     |                      | 130                   | 43                   |
| 11516E 2848S                            | 2668-01184        | 00000/0000                   | 2-20036/1102                | 11/20/76         | 10                  | 9305            | 51.4         | 85.9         | FGGG                               |                     |                      | 121                   | 80                   |
| 11515E 3853N                            | 2428-02150        | 00000/0000                   | 2-20022/0548                | 03/25/76         | 100                 | 5959            | 42.6         | 133.4        | G GG                               |                     |                      | 133                   | 33                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0768

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | M.S<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11515E 3849N                            | 2536-02120        | 00000/0000                   | 2-20028/1148                | 07/11/76         | 30                  | 7465            | 57.3         | 111.0        | FGGG                               |                     |                      | 133                   | 33                   |
| 11515E 3846N                            | 2500-02130        | 00000/0000                   | 2-20026/0767                | 06/05/76         | 50                  | 6963            | 59.0         | 112.5        | GGGG                               |                     |                      | 133                   | 33                   |
| 11515E 3429N                            | 2643-02042        | 00000/0000                   | 2-20035/0167                | 10/26/76         | 0                   | 8957            | 35.3         | 143.8        | GGGG                               |                     |                      | 132                   | 36                   |
| 11515E 3428N                            | 2409-02111        | 00000/0000                   | 2-20021/1261                | 03/06/76         | 90                  | 5694            | 38.2         | 133.9        | GGGG                               |                     |                      | 132                   | 36                   |
| 11515E 2842S                            | 2632-01200        | 00000/0000                   | 2-20034/0665                | 10/15/76         | 0                   | 8803            | 46.4         | 70.7         | GGGG                               |                     |                      | 121                   | 80                   |
| 11515E 2849S                            | 2686-01175        | 00000/0000                   | 2-20037/0385                | 12/08/76         | 30                  | 9556            | 50.9         | 91.3         | GGGG                               |                     |                      | 121                   | 80                   |
| 11514E 3853N                            | 2698-02064        | 00000/0000                   | 2-20037/1043                | 12/20/76         | 0                   | 9724            | 20.7         | 148.3        | GGGG                               |                     |                      | 133                   | 33                   |
| 11514E 3845N                            | 2518-02124        | 00000/0000                   | 2-20027/0429                | 06/23/76         | 50                  | 7214            | 58.8         | 109.9        | FFFF                               |                     |                      | 133                   | 33                   |
| 11514E 2423N                            | 2389-02031        | 00000/0000                   | 2-20020/1550                | 02/15/76         | 60                  | 5415            | 37.7         | 131.5        | GGGG                               |                     |                      | 130                   | 43                   |
| 11513E 3849N                            | 2680-02072        | 00000/0000                   | 2-20036/0709                | 12/02/76         | 10                  | 9473            | 22.9         | 149.6        | GGGG                               |                     |                      | 133                   | 33                   |
| 11513E 3426N                            | 2625-02050        | 00000/0000                   | 2-20034/0546                | 10/08/76         | 10                  | 8706            | 40.5         | 138.6        | GGGG                               |                     |                      | 132                   | 36                   |
| 11511E 3847N                            | 2662-02081        | 00000/0000                   | 2-20036/0937                | 11/14/76         | 10                  | 9222            | 26.9         | 149.1        | GGGG                               |                     |                      | 133                   | 33                   |
| 11510E 3847N                            | 2626-02093        | 00000/0000                   | 2-20034/0482                | 10/09/76         | 20                  | 8720            | 37.4         | 142.4        | GGGG                               |                     |                      | 133                   | 33                   |
| 11510E 2857N                            | 2462-02052        | 00000/0000                   | 2-20024/0709                | 04/28/76         | 40                  | 6433            | 56.3         | 109.0        | GGGG                               |                     |                      | 131                   | 40                   |
| 11508E 2854N                            | 2444-02060        | 00000/0000                   | 2-20022/1547                | 04/10/76         | 100                 | 6182            | 52.0         | 116.8        | GGGG                               |                     |                      | 131                   | 40                   |
| 11505E 2853N                            | 2636-01581        | 00000/0000                   | 2-20037/1016                | 12/18/76         | 100                 | 9696            | 28.1         | 144.0        | GGGG                               |                     |                      | 131                   | 40                   |
| 11504E 2856N                            | 2714-01572        | 00000/0000                   | 2-20038/0718                | 01/05/77         | 10                  | 9947            | 27.4         | 141.5        | GGGG                               |                     |                      | 131                   | 40                   |
| 11504E 2850N                            | 2426-02063        | 00000/0000                   | 2-20021/1803                | 03/23/76         | 100                 | 5931            | 46.6         | 123.6        | GGGG                               |                     |                      | 131                   | 40                   |
| 11503E 2852N                            | 2678-01585        | 00000/0000                   | 2-20036/1571                | 11/30/76         | 90                  | 9445            | 30.7         | 144.7        | FGGG                               |                     |                      | 131                   | 40                   |
| 11502E 7321N                            | 2447-03530        | 00000/0000                   | 2-20023/0078                | 04/13/76         | 50                  | 6225            | 25.6         | 172.8        | GGGG                               |                     |                      | 152                   | 8                    |
| 11502E 2849N                            | 2606-02013        | 00000/0000                   | 2-20032/1471                | 09/19/76         | 90                  | 8441            | 48.4         | 125.0        | GGGG                               |                     |                      | 131                   | 40                   |
| 11502E 2847N                            | 2642-02002        | 00000/0000                   | 2-20034/1121                | 10/25/76         | 80                  | 8943            | 39.4         | 139.5        | GGGG                               |                     |                      | 131                   | 40                   |
| 11502E 2312N                            | 2443-02015        | 00000/0000                   | 2-20022/1591                | 04/09/76         | 90                  | 6168            | 53.1         | 109.4        | GGGG                               |                     |                      | 130                   | 44                   |
| 11501E 3314N                            | 2463-02095        | 00000/0000                   | 2-20024/0951                | 04/29/76         | 90                  | 6447            | 55.6         | 115.4        | G                                  |                     |                      | 132                   | 37                   |
| 11501E 2849N                            | 2660-01594        | 00000/0000                   | 2-20036/0459                | 11/12/76         | 90                  | 9194            | 34.7         | 143.3        | GGGG                               |                     |                      | 131                   | 40                   |
| 11501E 2845N                            | 2624-02010        | 00000/0000                   | 2-20034/0408                | 10/07/76         | 90                  | 8692            | 44.2         | 133.3        | FGGG                               |                     |                      | 131                   | 40                   |
| 11459E 2310N                            | 2713-01532        | 00000/0000                   | 2-20038/0705                | 01/04/77         | 100                 | 9933            | 31.2         | 138.6        | GGGG                               |                     |                      | 130                   | 44                   |
| 11459E 2307N                            | 2425-02023        | 00000/0000                   | 2-20027/0385                | 03/22/76         | 90                  | 5917            | 48.4         | 117.6        | GGGG                               |                     |                      | 130                   | 44                   |
| 11459E 3006S                            | 2506-01240        | 00000/0000                   | 2-20026/1249                | 06/11/76         | 0                   | 7046            | 22.1         | 43.5         | FGGG                               |                     |                      | 121                   | 81                   |
| 11457E 2307N                            | 2677-01545        | 00000/0000                   | 2-20036/1467                | 11/29/76         | 30                  | 9431            | 34.8         | 141.5        | GGGG                               |                     |                      | 130                   | 44                   |
| 11457E 2307N                            | 2695-01541        | 00000/0000                   | 2-20037/1117                | 12/17/76         | 40                  | 9682            | 32.1         | 141.0        | GGGG                               |                     |                      | 130                   | 44                   |
| 11457E 3009S                            | 2524-01234        | 00000/0000                   | 2-20028/0307                | 06/29/76         | 40                  | 7297            | 21.3         | 44.2         | GGGG                               |                     |                      | 121                   | 81                   |
| 11456E 3315N                            | 2445-02102        | 00000/0000                   | 2-20022/1649                | 04/11/76         | 90                  | 6196            | 50.9         | 122.2        | GGGG                               |                     |                      | 132                   | 37                   |
| 11455E 2302N                            | 2437-02030        | 00000/0000                   | 2-20021/1031                | 03/04/76         | 90                  | 5666            | 43.2         | 124.8        | FGGG                               |                     |                      | 130                   | 44                   |
| 11454E 3311N                            | 2697-02023        | 00000/0000                   | 2-20037/1030                | 12/19/76         | 90                  | 9710            | 24.9         | 145.9        | GGGG                               |                     |                      | 132                   | 37                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11454E 3307N                            | 2481-02093        | 00000/0000                   | 2-20025/0681                | 05/17/76         | 80                  | 6698            | 58.5         | 108.0        | GGGG                               |                     |                      | 132                   | 37                   |
| 11454E 2303N                            | 2459-01554        | 00000/0000                   | 2-20036/0248                | 11/11/76         | 60                  | 9180            | 38.8         | 139.4        | GGGG                               |                     |                      | 130                   | 44                   |
| 11453E 4150N                            | 2465-02185        | 00000/0000                   | 2-20024/1042                | 05/01/76         | 10                  | 6475            | 53.0         | 127.5        | GGGG                               |                     |                      | 134                   | 31                   |
| 11453E 4149N                            | 2447-02192        | 00000/0000                   | 2-20023/0063                | 04/13/76         | 10                  | 6224            | 47.7         | 132.1        | GGGG                               |                     |                      | 134                   | 31                   |
| 11453E 3314N                            | 2715-02015        | 00000/0000                   | 2-20038/0734                | 01/06/77         | 10                  | 9961            | 24.5         | 143.4        | GGGG                               |                     |                      | 132                   | 37                   |
| 11453E 3310N                            | 2427-02110        | 00000/0000                   | 2-20027/0514                | 03/24/76         | 20                  | 5945            | 45.1         | 127.9        | GGGG                               |                     |                      | 132                   | 37                   |
| 11453E 3006S                            | 2650-01194        | 00000/0000                   | 2-20035/0428                | 11/02/76         | 0                   | 9054            | 49.4         | 77.0         | GGGG                               |                     |                      | 121                   | 81                   |
| 11453E 3007S                            | 2614-01210        | 00000/0000                   | 2-20034/0028                | 09/27/76         | 60                  | 8552            | 40.6         | 63.0         | GGGG                               |                     |                      | 121                   | 81                   |
| 11451E 3730N                            | 2454-02142        | 00000/0000                   | 2-20024/0745                | 04/30/76         | 10                  | 6461            | 54.5         | 121.5        | GGGG                               |                     |                      | 133                   | 34                   |
| 11451E 3308N                            | 2679-02032        | 00000/0000                   | 2-20036/1644                | 12/01/76         | 10                  | 9459            | 27.4         | 146.9        | GGGG                               |                     |                      | 132                   | 37                   |
| 11451E 3303N                            | 2517-02083        | 00000/0000                   | 2-20027/0260                | 06/22/76         | 50                  | 7200            | 59.2         | 99.5         | GGGG                               |                     |                      | 132                   | 37                   |
| 11451E 2256N                            | 2389-02033        | 00000/0000                   | 2-20020/1551                | 02/15/76         | 60                  | 5415            | 38.5         | 130.4        | GGGG                               |                     |                      | 130                   | 44                   |
| 11451E 3015S                            | 2668-01190        | 00000/0000                   | 2-20036/1103                | 11/20/76         | 10                  | 9305            | 51.0         | 84.3         | GGGG                               |                     |                      | 121                   | 81                   |
| 11450E 4149N                            | 2717-02104        | 00000/0000                   | 2-20038/1020                | 01/08/77         | 100                 | 9989            | 18.6         | 146.9        | GGFF                               |                     |                      | 134                   | 31                   |
| 11450E 4146N                            | 2429-02195        | 00000/0000                   | 2-20027/0652                | 03/26/76         | 0                   | 5973            | 41.3         | 135.9        | GGGG                               |                     |                      | 134                   | 31                   |
| 11450E 3735N                            | 2446-02145        | 00000/0000                   | 2-20023/0029                | 04/12/76         | 100                 | 6210            | 49.4         | 127.3        | GGFG                               |                     |                      | 133                   | 34                   |
| 11450E 3309N                            | 2607-02060        | 00000/0000                   | 2-20032/1427                | 09/20/76         | 30                  | 8455            | 46.1         | 130.2        | GGGF                               |                     |                      | 132                   | 37                   |
| 11450E 3306N                            | 2661-02040        | 00000/0000                   | 2-20036/0410                | 11/13/76         | 80                  | 9208            | 31.4         | 146.0        | GGGG                               |                     |                      | 132                   | 37                   |
| 11450E 3303N                            | 2643-02045        | 00000/0000                   | 2-20035/0168                | 10/26/76         | 0                   | 8957            | 36.3         | 142.8        | GGGG                               |                     |                      | 132                   | 37                   |
| 11450E 3015S                            | 2686-01182        | 00000/0000                   | 2-20037/0386                | 12/08/76         | 30                  | 9556            | 50.6         | 89.6         | GGGG                               |                     |                      | 121                   | 81                   |
| 11449E 4150N                            | 2591-02152        | 00000/0000                   | 2-20032/0605                | 09/04/76         | 90                  | 8232            | 45.8         | 132.8        | GGGG                               |                     |                      | 134                   | 31                   |
| 11449E 4143N                            | 2555-02163        | 00000/0000                   | 2-20030/0363                | 07/30/76         | 30                  | 7730            | 53.9         | 120.0        | FGGG                               |                     |                      | 134                   | 31                   |
| 11449E 3302N                            | 2409-02113        | 00000/0000                   | 2-20021/1262                | 03/06/76         | 70                  | 5694            | 39.0         | 132.7        | GFFF                               |                     |                      | 132                   | 37                   |
| 11448E 4140N                            | 2501-02175        | 00000/0000                   | 2-20026/0867                | 06/06/76         | 90                  | 6977            | 58.4         | 117.5        | FGGG                               |                     |                      | 134                   | 31                   |
| 11448E 3729N                            | 2554-02120        | 00000/0000                   | 2-20030/0320                | 07/29/76         | 70                  | 7716            | 55.1         | 113.1        | GGGG                               |                     |                      | 133                   | 34                   |
| 11447E 4143N                            | 2681-02121        | 00000/0000                   | 2-20037/0593                | 12/03/76         | 60                  | 9487            | 20.6         | 150.8        | GGGG                               |                     |                      | 134                   | 31                   |
| 11447E 3731N                            | 2590-02110        | 00000/0000                   | 2-20032/0548                | 09/03/76         | 10                  | 8218            | 48.2         | 127.5        | FGGG                               |                     |                      | 133                   | 34                   |
| 11447E 3727N                            | 2716-02062        | 00000/0000                   | 2-20038/0751                | 01/07/77         | 0                   | 9975            | 21.6         | 145.1        | GGGG                               |                     |                      | 133                   | 34                   |
| 11447E 3300N                            | 2625-02053        | 00000/0000                   | 2-20022/0557                | 03/25/76         | 100                 | 5959            | 43.3         | 132.0        | GGGG                               |                     |                      | 133                   | 34                   |
| 11446E 4138N                            | 2537-02170        | 00000/0000                   | 2-20034/0547                | 10/08/76         | 10                  | 8706            | 41.4         | 137.4        | GGGF                               |                     |                      | 132                   | 37                   |
| 11446E 3723N                            | 2536-02123        | 00000/0000                   | 2-20028/1149                | 07/11/76         | 20                  | 7465            | 57.5         | 108.6        | GGGG                               |                     |                      | 134                   | 31                   |
| 11446E 3721N                            | 2500-02133        | 00000/0000                   | 2-20026/0768                | 06/05/76         | 70                  | 6963            | 59.3         | 109.8        | GGGG                               |                     |                      | 133                   | 34                   |
| 11446E 3720N                            | 2518-02130        | 00000/0000                   | 2-20027/0430                | 06/23/76         | 50                  | 7214            | 59.0         | 107.3        | FFF                                |                     |                      | 133                   | 34                   |
| 11446E 2731N                            | 2462-02055        | 00000/0000                   | 2-20024/0710                | 04/28/76         | 60                  | 6433            | 56.5         | 106.7        | GGGG                               |                     |                      | 131                   | 41                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RELI | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 11445E                      | 4135N             | 2663-02130            | 00000/0000           | 2-20034/0611     | 11/15/76            | 30              | 9236         | 24.5         | 150.6                 | GGGG                |                      | 134                   | 31                   |
| 11445E                      | 3724N             | 2680-02075            | 00000/0000           | 2-20034/0710     | 12/02/76            | 10              | 9473         | 24.0         | 148.9                 | FGFG                |                      | 133                   | 34                   |
| 11445E                      | 2728N             | 2444-02052            | 00000/0000           | 2-20022/1548     | 04/10/76            | 100             | 6182         | 52.4         | 114.9                 | GGGG                |                      | 131                   | 41                   |
| 11444E                      | 5146N             | 2458-02330            | 00000/0000           | 2-20024/1326     | 05/04/76            | 10              | 6517         | 48.6         | 140.2                 | FGGG                |                      | 137                   | 24                   |
| 11444E                      | 4136N             | 2645-02134            | 00000/0000           | 2-20035/0041     | 10/23/76            | 10              | 8985         | 29.6         | 148.6                 | GGGG                |                      | 134                   | 31                   |
| 11444E                      | 4135N             | 2411-02203            | 00000/0000           | 2-20021/1125     | 03/08/76            | 10              | 5722         | 34.7         | 139.0                 | GFGG                |                      | 134                   | 31                   |
| 11443E                      | 4139N             | 2603-02145            | 00000/0000           | 2-20032/1649     | 09/22/76            | 10              | 8483         | 40.8         | 139.2                 | GGGG                |                      | 134                   | 31                   |
| 11443E                      | 3721N             | 2662-02053            | 00000/0000           | 2-20036/0938     | 11/14/76            | 0               | 9222         | 28.0         | 148.4                 | GGGG                |                      | 133                   | 34                   |
| 11442E                      | 4136N             | 2627-02142            | 00000/0000           | 2-20034/0753     | 10/10/76            | 90              | 8734         | 35.2         | 144.7                 | GGGG                |                      | 134                   | 31                   |
| 11442E                      | 3722N             | 2644-02091            | 00000/0000           | 2-20035/0014     | 10/27/76            | 80              | 8971         | 33.0         | 145.8                 | GGGG                |                      | 133                   | 34                   |
| 11442E                      | 3721N             | 2626-02095            | 00000/0000           | 2-20034/0483     | 10/09/76            | 40              | 8720         | 38.4         | 141.3                 | GGGG                |                      | 133                   | 34                   |
| 11441E                      | 5144N             | 2576-02301            | 00000/0000           | 2-20030/1522     | 08/20/76            | 30              | 8023         | 44.5         | 139.2                 | GGGG                |                      | 137                   | 24                   |
| 11441E                      | 2729N             | 2714-01575            | 00000/0000           | 2-20038/0719     | 01/05/77            | 60              | 9947         | 28.4         | 140.7                 | GGGG                |                      | 131                   | 41                   |
| 11441E                      | 2727N             | 2696-01533            | 00000/0000           | 2-20037/1017     | 12/18/76            | 90              | 9696         | 29.1         | 143.2                 | GGGG                |                      | 131                   | 41                   |
| 11440E                      | 2724N             | 2426-02070            | 00000/0000           | 2-20021/1804     | 03/23/76            | 100             | 5931         | 47.2         | 122.0                 | FGGG                |                      | 131                   | 41                   |
| 11439E                      | 2725N             | 2678-01592            | 00000/0000           | 2-20035/1572     | 11/30/76            | 90              | 9445         | 31.7         | 144.0                 | GGGG                |                      | 131                   | 41                   |
| 11438E                      | 2723N             | 2606-02020            | 00000/0000           | 2-20032/1472     | 05/19/76            | 90              | 8441         | 49.0         | 123.4                 | GGGG                |                      | 131                   | 41                   |
| 11438E                      | 2721N             | 2642-02034            | 00000/0000           | 2-20034/1122     | 10/25/76            | 90              | 8943         | 40.3         | 138.4                 | GGGG                |                      | 131                   | 41                   |
| 11437E                      | 5138N             | 2558-02304            | 00000/0000           | 2-20030/0528     | 08/02/76            | 80              | 7772         | 49.0         | 135.0                 | GGGG                |                      | 137                   | 24                   |
| 11437E                      | 5133N             | 2540-02311            | 00000/0000           | 2-20028/1438     | 07/15/76            | 30              | 7521         | 52.5         | 132.3                 | GGGG                |                      | 137                   | 24                   |
| 11437E                      | 2724N             | 2660-02000            | 00000/0000           | 2-20036/0460     | 11/12/76            | 100             | 9194         | 35.7         | 142.5                 | GGGG                |                      | 131                   | 41                   |
| 11437E                      | 2719N             | 2624-02012            | 00000/0000           | 2-20034/0409     | 10/07/76            | 50              | 8692         | 45.0         | 131.9                 | GGGG                |                      | 131                   | 41                   |
| 11437E                      | 0842S             | 2564-01331            | 00000/0000           | 2-20030/0971     | 08/08/76            | 30              | 7855         | 41.6         | 59.2                  | GGFG                |                      | 125                   | 66                   |
| 11436E                      | 3148N             | 2463-02102            | 00000/0000           | 2-20024/0952     | 04/29/76            | 100             | 6447         | 55.9         | 113.1                 | GGGG                |                      | 132                   | 38                   |
| 11435E                      | 2714N             | 2372-02052            | 00000/0000           | 2-20020/0522     | 01/29/76            | 100             | 5178         | 32.4         | 138.0                 | FFGG                |                      | 131                   | 41                   |
| 11434E                      | 2713N             | 2390-02080            | 00000/0000           | 2-20020/1627     | 02/16/76            | 90              | 5429         | 36.4         | 133.3                 | GGGG                |                      | 131                   | 41                   |
| 11433E                      | 5132N             | 2504-02321            | 00000/0000           | 2-20026/1070     | 06/09/76            | 40              | 7019         | 54.6         | 133.7                 | GGGG                |                      | 137                   | 24                   |
| 11431E                      | 3149N             | 2445-02105            | 00000/0000           | 2-20022/1650     | 04/11/76            | 80              | 6196         | 51.4         | 120.3                 | GGG                 |                      | 132                   | 38                   |
| 11430E                      | 3141N             | 2431-02095            | 00000/0000           | 2-20025/0682     | 05/17/76            | 90              | 6698         | 58.7         | 105.5                 | GGGG                |                      | 132                   | 38                   |
| 11429E                      | 3145N             | 2697-02030            | 00000/0000           | 2-20037/1031     | 12/19/76            | 100             | 9710         | 26.0         | 145.2                 | GGGG                |                      | 132                   | 38                   |
| 11429E                      | 3141N             | 2499-02032            | 00000/0000           | 2-20026/0730     | 06/04/76            | 80              | 6949         | 59.6         | 99.5                  | FGFG                |                      | 132                   | 38                   |
| 11428E                      | 3148N             | 2715-02022            | 00000/0000           | 2-20038/0735     | 01/06/77            | 20              | 9361         | 25.5         | 142.7                 | GFGG                |                      | 132                   | 38                   |
| 11427E                      | 3144N             | 2427-02112            | 00000/0000           | 2-20027/0515     | 03/24/76            | 10              | 5945         | 45.7         | 126.4                 | GGGG                |                      | 132                   | 38                   |
| 11426E                      | 3137N             | 2517-02090            | 00000/0000           | 2-20027/0261     | 06/22/76            | 100             | 7200         | 59.2         | 96.9                  | GGGG                |                      | 132                   | 38                   |
| 11425E                      | 3143N             | 2607-02062            | 00000/0000           | 2-20032/1428     | 09/20/76            | 80              | 8455         | 46.8         | 125.7                 | GGGF                |                      | 132                   | 38                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 11425E 3142N                | 2679-02035        | 00000/0000            | 2-20036/1645         | 12/01/76         | 0                   | 9459            | 28.4         | 146.2        | GGGG                  |                     |                      | 132                   | 38                   |
| 11424E 3604N                | 2464-02145        | 00000/0000            | 2-20024/0746         | 04/30/76         | 20                  | 6461            | 55.0         | 119.4        | GGGG                  |                     |                      | 133                   | 35                   |
| 11424E 3140N                | 2661-02043        | 00000/0000            | 2-20036/0411         | 11/13/76         | 90                  | 9208            | 32.4         | 145.2        | GGGG                  |                     |                      | 132                   | 38                   |
| 11424E 3138N                | 2643-02051        | 00000/0000            | 2-20035/0169         | 10/26/76         | 20                  | 8957            | 37.3         | 141.8        | GGGG                  |                     |                      | 132                   | 38                   |
| 11424E 3136N                | 2409-02120        | 00000/0000            | 2-20021/1263         | 03/06/76         | 80                  | 5694            | 39.7         | 131.5        | GGFG                  |                     |                      | 132                   | 38                   |
| 11423E 4024N                | 2465-02191        | 00000/0000            | 2-20024/1043         | 05/01/76         | 70                  | 6475            | 53.6         | 125.5        | GGGG                  |                     |                      | 134                   | 32                   |
| 11423E 2605N                | 2452-02061        | 00000/0000            | 2-20024/0711         | 04/28/76         | 90                  | 6433            | 56.6         | 104.3        | GGGG                  |                     |                      | 131                   | 42                   |
| 11422E 4024N                | 2447-02194        | 00000/0000            | 2-20023/0064         | 04/13/76         | 0                   | 6224            | 48.4         | 130.5        | GGGG                  |                     |                      | 134                   | 32                   |
| 11422E 3609N                | 2446-02152        | 00000/0000            | 2-20023/0030         | 04/12/76         | 100                 | 6210            | 50.1         | 125.5        | GGGG                  |                     |                      | 133                   | 38                   |
| 11422E 3135N                | 2625-02055        | 00000/0000            | 2-20034/0548         | 10/08/76         | 30                  | 8706            | 42.3         | 136.2        | GGGG                  |                     |                      | 132                   | 38                   |
| 11422E 2602N                | 2444-02065        | 00000/0000            | 2-20022/1549         | 04/10/76         | 100                 | 6182            | 52.8         | 112.9        | GGGG                  |                     |                      | 131                   | 42                   |
| 11421E 3602N                | 2554-02122        | 00000/0000            | 2-20030/0321         | 07/29/76         | 10                  | 7716            | 55.4         | 110.8        | GGFG                  |                     |                      | 133                   | 35                   |
| 11420E 4033N                | 2717-02111        | 00000/0000            | 2-20038/1021         | 11/08/77         | 90                  | 9989            | 19.6         | 146.2        | GGGG                  |                     |                      | 134                   | 32                   |
| 11420E 4021N                | 2429-02202        | 00000/0000            | 2-20022/0653         | 03/26/76         | 10                  | 5973            | 42.1         | 134.5        | GGGG                  |                     |                      | 134                   | 32                   |
| 11420E 3601N                | 2428-02155        | 00000/0000            | 2-20022/0558         | 03/25/76         | 100                 | 5959            | 44.1         | 130.6        | GGGG                  |                     |                      | 133                   | 35                   |
| 11419E 4025N                | 2591-02155        | 00000/0000            | 2-20032/0606         | 09/04/76         | 60                  | 8232            | 46.5         | 131.3        | GGGG                  |                     |                      | 134                   | 32                   |
| 11419E 4018N                | 2555-02165        | 00000/0000            | 2-20030/0403         | 07/30/76         | 60                  | 7730            | 54.3         | 117.8        | GGGG                  |                     |                      | 134                   | 32                   |
| 11419E 4015N                | 2501-02182        | 00000/0000            | 2-20026/0868         | 06/06/76         | 70                  | 6977            | 58.7         | 114.9        | GGGG                  |                     |                      | 134                   | 32                   |
| 11419E 3605N                | 2590-02112        | 00000/0000            | 2-20032/0549         | 09/03/76         | 10                  | 8218            | 48.8         | 125.8        | GGFG                  |                     |                      | 133                   | 35                   |
| 11419E 3605N                | 2716-02064        | 00000/0000            | 2-20038/0752         | 01/07/77         | 10                  | 9975            | 22.6         | 144.5        | GGGG                  |                     |                      | 133                   | 35                   |
| 11419E 3557N                | 2536-02125        | 00000/0000            | 2-20028/1150         | 07/11/76         | 10                  | 7465            | 57.6         | 106.1        | GGGG                  |                     |                      | 133                   | 35                   |
| 11419E 3554N                | 2500-02135        | 00000/0000            | 2-20026/0769         | 06/05/76         | 20                  | 6963            | 59.5         | 107.2        | GGGG                  |                     |                      | 133                   | 35                   |
| 11419E 3554N                | 2518-02133        | 00000/0000            | 2-20027/0431         | 06/23/76         | 40                  | 7214            | 59.1         | 104.7        | FGG                   |                     |                      | 133                   | 35                   |
| 11418E 2603N                | 2714-01581        | 00000/0000            | 2-20038/0720         | 01/05/77         | 70                  | 9947            | 29.3         | 140.0        | GGGG                  |                     |                      | 131                   | 42                   |
| 11418E 2601N                | 2696-01590        | 00000/0000            | 2-20037/1018         | 12/18/76         | 90                  | 9696            | 30.1         | 142.5        | GGGG                  |                     |                      | 131                   | 42                   |
| 11418E 2717S                | 2525-01283        | 00000/0000            | 2-20028/0398         | 06/30/76         | 60                  | 7311            | 23.8         | 44.7         | GGGG                  |                     |                      | 122                   | 79                   |
| 11417E 4013N                | 2537-02172        | 00000/0000            | 2-20028/1238         | 07/12/76         | 50                  | 7479            | 56.9         | 113.6        | GGGG                  |                     |                      | 134                   | 32                   |
| 11417E 3559N                | 2608-02105        | 00000/0000            | 2-20032/1545         | 09/21/76         | 10                  | 8469            | 44.4         | 133.5        | GGGG                  |                     |                      | 133                   | 35                   |
| 11417E 3558N                | 2680-02051        | 00000/0000            | 2-20036/0711         | 12/02/76         | 0                   | 9473            | 25.1         | 148.2        | FGGG                  |                     |                      | 133                   | 35                   |
| 11417E 2558N                | 2426-02072        | 00000/0000            | 2-20021/1805         | 03/23/76         | 100                 | 5931            | 47.7         | 120.4        | FGFG                  |                     |                      | 131                   | 42                   |
| 11416E 4019N                | 2681-02124        | 00000/0000            | 2-20037/0594         | 12/03/76         | 20                  | 9487            | 21.6         | 150.2        | GGGG                  |                     |                      | 134                   | 32                   |
| 11415E 4011N                | 2663-02132        | 00000/0000            | 2-20036/0612         | 11/15/76         | 90                  | 9236            | 25.6         | 149.9        | GGGG                  |                     |                      | 134                   | 32                   |
| 11415E 3556N                | 2644-02094        | 00000/0000            | 2-20035/0015         | 10/27/76         | 90                  | 8971            | 34.0         | 144.9        | GGGG                  |                     |                      | 133                   | 35                   |
| 11415E 3556N                | 2662-02090        | 00000/0000            | 2-20036/0939         | 11/14/76         | 0                   | 9222            | 29.0         | 147.6        | GGGG                  |                     |                      | 133                   | 35                   |
| 11415E 2556N                | 2606-02022        | 00000/0000            | 2-20032/1473         | 09/19/76         | 90                  | 8441            | 49.5         | 121.7        | GGGG                  |                     |                      | 131                   | 42                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | RBV                                     |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 11415E                      | 2555N             | 2642-02011                              | 00000/0000       | 2-20034/1123        | 10/25/76        | 90           | 8943         | 41.2                  | 137.3               | GGGG                 |                       |                      |
| 11414E                      | 4011N             | 2645-02141                              | 00000/0000       | 2-20035/0042        | 10/28/76        | 10           | 8985         | 30.6                  | 147.7               | GGGG                 | 131                   | 42                   |
| 11414E                      | 4010N             | 2411-02205                              | 00000/0000       | 2-20021/1126        | 03/08/76        | 10           | 5722         | 35.6                  | 137.9               | FGGF                 | 134                   | 32                   |
| 11414E                      | 3555N             | 2626-02102                              | 00000/0000       | 2-20034/0484        | 10/09/76        | 30           | 8720         | 39.3                  | 140.1               | GGGG                 | 134                   | 32                   |
| 11414E                      | 2558N             | 2660-02003                              | 00000/0000       | 2-20036/0461        | 11/12/76        | 90           | 9194         | 36.6                  | 141.5               | FGGG                 | 133                   | 35                   |
| 11414E                      | 2553N             | 2624-02015                              | 00000/0000       | 2-20034/0410        | 10/07/76        | 40           | 8692         | 45.7                  | 130.5               | GGGG                 | 131                   | 42                   |
| 11414E                      | 2715S             | 2651-01244                              | 00000/0000       | 2-20035/0476        | 11/03/76        | 0            | 9068         | 50.6                  | 80.4                | GGGG                 | 131                   | 42                   |
| 11414E                      | 2716S             | 2633-01252                              | 00000/0000       | 2-20034/0824        | 10/16/76        | 0            | 8817         | 47.4                  | 72.3                | FGGF                 | 122                   | 79                   |
| 11414E                      | 2718S             | 2615-01255                              | 00000/0000       | 2-20034/0041        | 09/28/76        | 40           | 8566         | 42.6                  | 65.1                | GGG                  | 122                   | 79                   |
| 11414E                      | 2720S             | 2669-01235                              | 00000/0000       | 2-20036/1099        | 11/21/76        | 20           | 9319         | 51.7                  | 87.9                | GGGG                 | 122                   | 79                   |
| 11413E                      | 4013N             | 2609-02152                              | 00000/0000       | 2-20032/1650        | 09/22/76        | 10           | 8483         | 41.6                  | 138.0               | GGGG                 | 122                   | 79                   |
| 11413E                      | 2724S             | 2687-01231                              | 00000/0000       | 2-20037/0674        | 12/09/76        | 20           | 9570         | 51.0                  | 93.1                | GGGG                 | 134                   | 32                   |
| 11412E                      | 4011N             | 2627-02144                              | 00000/0000       | 2-20034/0754        | 10/10/76        | 90           | 8734         | 36.2                  | 143.7               | FGGG                 | 122                   | 79                   |
| 11411E                      | 3022N             | 2463-02104                              | 00000/0000       | 2-20024/0953        | 04/29/76        | 100          | 6447         | 56.2                  | 110.8               | GGGG                 | 134                   | 32                   |
| 11411E                      | 2549N             | 2372-02085                              | 00000/0000       | 2-20020/0523        | 01/29/76        | 100          | 5178         | 33.3                  | 137.1               | FGGG                 | 132                   | 39                   |
| 11410E                      | 2547N             | 2390-02033                              | 00000/0000       | 2-20020/1628        | 02/16/76        | 90           | 5429         | 37.2                  | 132.3               | GGGG                 | 131                   | 42                   |
| 11406E                      | 3023N             | 2445-02111                              | 00000/0000       | 2-20022/1651        | 04/11/76        | 60           | 6196         | 51.9                  | 118.4               | FFF                  | 131                   | 42                   |
| 11404E                      | 3020N             | 2697-02032                              | 00000/0000       | 2-20037/1032        | 12/19/76        | 100          | 9710         | 27.0                  | 144.6               | GGG                  | 132                   | 39                   |
| 11403E                      | 5021N             | 2468-02333                              | 00000/0000       | 2-20024/1327        | 05/04/76        | 10           | 6517         | 49.5                  | 138.4               | GGGG                 | 132                   | 39                   |
| 11403E                      | 3022N             | 2715-02024                              | 00000/0000       | 2-20038/0736        | 01/06/77        | 50           | 9961         | 26.5                  | 142.0               | GGGG                 | 137                   | 25                   |
| 11402E                      | 3018N             | 2427-02115                              | 00000/0000       | 2-20022/0516        | 03/24/76        | 10           | 5945         | 46.4                  | 124.9               | GGGG                 | 132                   | 39                   |
| 11401E                      | 3015N             | 2679-02041                              | 00000/0000       | 2-20036/1646        | 12/01/76        | 30           | 9459         | 29.5                  | 145.5               | GGGG                 | 132                   | 39                   |
| 11400E                      | 5309N             | 2469-02382                              | 00000/0000       | 2-20024/1507        | 05/05/76        | 0            | 6531         | 48.0                  | 141.9               | GGGG                 | 132                   | 39                   |
| 11400E                      | 5020N             | 2576-02303                              | 00000/0000       | 2-20030/1523        | 08/20/76        | 30           | 8023         | 45.3                  | 137.5               | GGFG                 | 138                   | 23                   |
| 11400E                      | 3015N             | 2661-02045                              | 00000/0000       | 2-20036/0412        | 11/13/76        | 90           | 9208         | 33.4                  | 144.3               | FFGG                 | 137                   | 25                   |
| 11400E                      | 3012N             | 2643-02054                              | 00000/0000       | 2-20035/0170        | 10/26/76        | 60           | 8957         | 38.2                  | 140.8               | GGGG                 | 132                   | 39                   |
| 11359E                      | 3011N             | 2409-02122                              | 00000/0000       | 2-20021/1264        | 03/06/76        | 90           | 5694         | 40.5                  | 130.3               | FGGG                 | 132                   | 39                   |
| 11359E                      | 2436N             | 2444-02071                              | 00000/0000       | 2-20022/1550        | 04/10/76        | 100          | 6182         | 53.1                  | 110.9               | GGGG                 | 131                   | 42                   |
| 11358E                      | 5310N             | 2577-02352                              | 00000/0000       | 2-20032/0068        | 08/21/76        | 70           | 8037         | 43.3                  | 141.1               | GGGG                 | 138                   | 23                   |
| 11358E                      | 3009N             | 2625-02062                              | 00000/0000       | 2-20034/0549        | 10/08/76        | 80           | 8706         | 43.1                  | 134.9               | GGGG                 | 132                   | 39                   |
| 11357E                      | 5014N             | 2558-02310                              | 00000/0000       | 2-20030/0529        | 08/02/76        | 40           | 7772         | 49.8                  | 133.1               | GGGG                 | 137                   | 25                   |
| 11357E                      | 5009N             | 2540-02313                              | 00000/0000       | 2-20028/1439        | 07/15/76        | 10           | 7521         | 53.1                  | 130.2               | GGGG                 | 137                   | 25                   |
| 11357E                      | 3439N             | 2464-02151                              | 00000/0000       | 2-20024/0747        | 04/30/76        | 50           | 6461         | 55.4                  | 117.2               | GGGG                 | 133                   | 36                   |
| 11356E                      | 3443N             | 2446-02154                              | 00000/0000       | 2-20023/0031        | 04/12/76        | 90           | 6210         | 50.6                  | 123.7               | GGGG                 | 133                   | 36                   |
| 11355E                      | 5303N             | 2487-02375                              | 00000/0000       | 2-20025/1191        | 05/23/76        | 80           | 6782         | 52.0                  | 138.8               | FGGG                 | 138                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 11355E                      | 3436N             | 2554-02125                              | 03000/0000       | 2-20030/0322        | 07/29/76        | 10           | 7716         | 55.6                  | 108.5               | GGGG                 | 133                   | 36                   |
| 11355E                      | 2437N             | 2714-01584                              | 00000/0000       | 2-20038/0721        | 01/05/77        | 70           | 9947         | 30.3                  | 139.2               | GGGG                 | 131                   | 43                   |
| 11355E                      | 2435N             | 2696-01592                              | 00000/0000       | 2-20037/1019        | 12/18/76        | 90           | 9696         | 31.0                  | 141.7               | GGGG                 | 131                   | 43                   |
| 11355E                      | 2842S             | 2525-01285                              | 00000/0000       | 2-20028/0399        | 06/30/76        | 40           | 7311         | 22.6                  | 44.5                | GGGG                 | 122                   | 80                   |
| 11354E                      | 5303N             | 2559-02360                              | 00000/0000       | 2-20030/0594        | 08/03/76        | 90           | 7786         | 48.1                  | 137.0               | FGGG                 | 138                   | 23                   |
| 11354E                      | 2431N             | 2426-02075                              | 00000/0000       | 2-20021/1806        | 03/23/76        | 100          | 5931         | 48.2                  | 118.8               | GGGG                 | 131                   | 43                   |
| 11353E                      | 5007N             | 2504-02323                              | 00000/0000       | 2-20026/1071        | 06/09/76        | 20           | 7019         | 55.3                  | 131.4               | GGGG                 | 137                   | 25                   |
| 11353E                      | 3858N             | 2447-02201                              | 00000/0000       | 2-20023/0065        | 04/13/76        | 0            | 6224         | 49.1                  | 128.7               | GGGG                 | 134                   | 33                   |
| 11353E                      | 3858N             | 2465-02194                              | 00000/0000       | 2-20024/1044        | 05/01/76        | 70           | 6475         | 54.2                  | 123.4               | GGGG                 | 134                   | 33                   |
| 11353E                      | 3439N             | 2590-02115                              | 00000/0000       | 2-20032/0550        | 09/03/76        | 10           | 8218         | 49.4                  | 124.1               | GGG                  | 133                   | 36                   |
| 11353E                      | 3436N             | 2428-02162                              | 00000/0000       | 2-20022/0559        | 03/25/76        | 100          | 5959         | 44.8                  | 129.1               | GGGG                 | 133                   | 36                   |
| 11353E                      | 3432N             | 2536-02132                              | 00000/0000       | 2-20028/1151        | 07/11/76        | 30           | 7465         | 57.7                  | 103.6               | GGGG                 | 131                   | 43                   |
| 11353E                      | 2433N             | 2678-02001                              | 00000/0000       | 2-20034/1573        | 11/30/76        | 70           | 9445         | 33.7                  | 142.3               | GGGG                 | 131                   | 43                   |
| 11352E                      | 3440N             | 2716-02071                              | 00000/0000       | 2-20038/0753        | 01/07/77        | 90           | 9975         | 23.6                  | 143.8               | GGGG                 | 133                   | 36                   |
| 11352E                      | 3429N             | 2518-02135                              | 00000/0000       | 2-20027/0432        | 06/23/76        | 20           | 7214         | 59.2                  | 102.0               | GGFG                 | 133                   | 36                   |
| 11352E                      | 3428N             | 2500-02142                              | 00000/0000       | 2-20026/0770        | 06/05/76        | 10           | 6963         | 59.6                  | 104.5               | GGGF                 | 133                   | 36                   |
| 11352E                      | 2430N             | 2606-02025                              | 00000/0000       | 2-20032/1474        | 09/19/76        | 90           | 8441         | 50.0                  | 120.0               | GGGG                 | 131                   | 43                   |
| 11351E                      | 3857N             | 2717-02113                              | 00000/0000       | 2-20038/1022        | 01/08/77        | 100          | 9989         | 20.6                  | 145.6               | GGGG                 | 134                   | 33                   |
| 11351E                      | 3855N             | 2429-02204                              | 00000/0000       | 2-20022/0654        | 03/26/76        | 0            | 5973         | 42.9                  | 133.2               | GGGG                 | 134                   | 33                   |
| 11351E                      | 3853N             | 2555-02172                              | 00000/0000       | 2-20030/0404        | 07/30/76        | 80           | 7730         | 54.7                  | 115.6               | GGGG                 | 134                   | 33                   |
| 11351E                      | 3432N             | 2680-02084                              | 00000/0000       | 2-20036/0712        | 12/02/76        | 0            | 9473         | 26.2                  | 147.6               | FGGG                 | 133                   | 36                   |
| 11351E                      | 2431N             | 2660-02005                              | 00000/0000       | 2-20036/0462        | 11/12/76        | 80           | 9194         | 37.6                  | 140.6               | FGGG                 | 131                   | 43                   |
| 11351E                      | 2429N             | 2642-02013                              | 00000/0000       | 2-20034/1142        | 10/25/76        | 90           | 8943         | 42.1                  | 136.2               | GGG                  | 131                   | 43                   |
| 11351E                      | 2427N             | 2624-02021                              | 00000/0000       | 2-20034/0411        | 10/07/76        | 50           | 8692         | 46.4                  | 129.1               | GGGG                 | 131                   | 43                   |
| 11351E                      | 2840S             | 2651-01250                              | 00000/0000       | 2-20035/0477        | 11/03/76        | 0            | 9068         | 50.0                  | 78.9                | GGGG                 | 122                   | 80                   |
| 11350E                      | 5257N             | 2541-02363                              | 00000/0000       | 2-20028/1488        | 07/16/76        | 10           | 7535         | 51.6                  | 134.5               | GGGG                 | 138                   | 23                   |
| 11350E                      | 5255N             | 2505-02374                              | 00000/0000       | 2-20026/1172        | 06/10/76        | 30           | 7033         | 54.0                  | 135.7               | FGGG                 | 138                   | 23                   |
| 11350E                      | 3858N             | 2591-02161                              | 00000/0000       | 2-20032/0607        | 09/04/76        | 20           | 8232         | 47.2                  | 129.7               | GGGG                 | 134                   | 33                   |
| 11350E                      | 3849N             | 2501-02184                              | 00000/0000       | 2-20026/0869        | 06/06/76        | 50           | 6977         | 59.0                  | 112.3               | GGGG                 | 134                   | 33                   |
| 11350E                      | 3433N             | 2608-02112                              | 00000/0000       | 2-20032/1546        | 09/21/76        | 30           | 8469         | 45.1                  | 132.1               | GGGG                 | 133                   | 36                   |
| 11350E                      | 2841S             | 2633-01254                              | 00000/0000       | 2-20034/0825        | 10/16/76        | 0            | 8817         | 46.7                  | 71.1                | FFFG                 | 122                   | 80                   |
| 11350E                      | 2844S             | 2615-01262                              | 00000/0000       | 2-20034/0042        | 09/25/76        | 50           | 8566         | 41.7                  | 64.1                | FGGG                 | 122                   | 80                   |
| 11350E                      | 2846S             | 2669-01242                              | 00000/0000       | 2-20034/1100        | 11/21/76        | 30           | 9319         | 51.4                  | 86.3                | GGGG                 | 122                   | 80                   |
| 11350E                      | 5253N             | 2523-02370                              | 00000/0000       | 2-20028/0169        | 06/28/76        | 30           | 7284         | 53.7                  | 134.0               | GGGG                 | 138                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0774

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | SBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RRLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11348E 3847N                            | 2537-02175        | 00000/0000                   | 2-20028/1239                | 07/12/76         | 50                  | 7479            | 57.2         | 111.1        | GGGG                               |                     |                      | 134                   | 33                   |
| 11348E 3430N                            | 2644-02100        | 00000/0000                   | 2-20035/0016                | 10/27/76         | 60                  | 8971            | 35.0         | 144.0        | GGGG                               |                     |                      | 133                   | 36                   |
| 11348E 3430N                            | 2662-02092        | 00000/0000                   | 2-20036/0940                | 11/14/76         | 0                   | 9222            | 30.1         | 146.9        | GGGG                               |                     |                      | 133                   | 36                   |
| 11348E 2423N                            | 2372-02091        | 00000/0000                   | 2-20020/0524                | 01/29/76         | 70                  | 5178            | 34.2         | 136.2        | FGGG                               |                     |                      | 131                   | 43                   |
| 11347E 3853N                            | 2681-02130        | 00000/0000                   | 2-20037/0595                | 12/03/76         | 50                  | 9487            | 22.7         | 149.6        | GGGG                               |                     |                      | 134                   | 33                   |
| 11347E 3431N                            | 2626-02104        | 00000/0000                   | 2-20034/0485                | 10/09/76         | 20                  | 8720            | 40.2         | 139.0        | GGGG                               |                     |                      | 133                   | 36                   |
| 11347E 2421N                            | 2390-02085        | 00000/0000                   | 2-20020/1629                | 02/16/76         | 100                 | 5429            | 38.0         | 131.2        | GGGG                               |                     |                      | 131                   | 43                   |
| 11346E 2856N                            | 2463-02111        | 00000/0000                   | 2-20024/0954                | 04/29/76         | 100                 | 6447            | 56.5         | 108.5        | GGGG                               |                     |                      | 132                   | 40                   |
| 11345E 3847N                            | 2609-02154        | 00000/0000                   | 2-20032/1651                | 09/22/76         | 10                  | 8483            | 42.5         | 136.6        | GGGG                               |                     |                      | 134                   | 33                   |
| 11345E 3846N                            | 2645-02143        | 00000/0000                   | 2-20035/0043                | 10/28/76         | 0                   | 8985            | 31.7         | 146.9        | GGGG                               |                     |                      | 134                   | 33                   |
| 11345E 3846N                            | 2663-02135        | 00000/0000                   | 2-20036/0613                | 11/15/76         | 80                  | 9236            | 26.7         | 149.2        | GGGG                               |                     |                      | 134                   | 33                   |
| 11344E 3844N                            | 2411-02212        | 00000/0000                   | 2-20021/1127                | 03/08/76         | 40                  | 5722            | 36.5         | 136.8        | GGGG                               |                     |                      | 134                   | 33                   |
| 11343E 3845N                            | 2627-02151        | 00000/0000                   | 2-20034/0755                | 10/10/76         | 100                 | 8734            | 37.2         | 142.6        | GGGG                               |                     |                      | 134                   | 33                   |
| 11342E 2856N                            | 2445-02114        | 00000/0000                   | 2-20022/1652                | 04/11/76         | 90                  | 6196            | 52.3         | 116.5        | GGGG                               |                     |                      | 132                   | 40                   |
| 11340E 2854N                            | 2697-02035        | 00000/0000                   | 2-20037/1033                | 12/19/76         | 100                 | 9710            | 28.0         | 143.9        | GGGG                               |                     |                      | 132                   | 40                   |
| 11339E 2855N                            | 2715-02031        | 00000/0000                   | 2-20038/0737                | 01/06/77         | 100                 | 9961            | 27.4         | 141.3        | GGGG                               |                     |                      | 132                   | 40                   |
| 11338E 2852N                            | 2427-02121        | 00000/0000                   | 2-20022/0517                | 03/24/76         | 30                  | 5945            | 47.0         | 123.3        | GGGG                               |                     |                      | 132                   | 40                   |
| 11337E 2849N                            | 2679-02044        | 00000/0000                   | 2-20036/1647                | 12/01/76         | 90                  | 9459            | 30.5         | 144.7        | GGGG                               |                     |                      | 132                   | 40                   |
| 11336E 2849N                            | 2661-02052        | 00000/0000                   | 2-20036/0413                | 11/13/76         | 100                 | 9208            | 34.4         | 143.5        | GGGG                               |                     |                      | 132                   | 40                   |
| 11336E 2310N                            | 2444-02074        | 00000/0000                   | 2-20022/1551                | 04/10/76         | 100                 | 6182            | 53.3         | 108.8        | GGGG                               |                     |                      | 131                   | 44                   |
| 11335E 2846N                            | 2643-02060        | 00000/0000                   | 2-20035/0171                | 10/26/76         | 80                  | 8957            | 39.1         | 139.3        | GGGG                               |                     |                      | 132                   | 40                   |
| 11333E 2843N                            | 2625-02064        | 00000/0000                   | 2-20034/0539                | 10/08/76         | 90                  | 8706            | 43.9         | 133.6        | GGGG                               |                     |                      | 132                   | 40                   |
| 11333E 2310N                            | 2714-01590        | 00000/0000                   | 2-20038/0722                | 01/05/77         | 30                  | 9947            | 31.2         | 138.4        | GGGG                               |                     |                      | 131                   | 44                   |
| 11333E 2309N                            | 2696-01595        | 00000/0000                   | 2-20037/1020                | 12/18/76         | 50                  | 9696            | 32.0         | 141.0        | GGGG                               |                     |                      | 131                   | 44                   |
| 11332E 3313N                            | 2464-02154        | 00000/0000                   | 2-20024/0748                | 04/30/76         | 20                  | 6461            | 55.8         | 114.9        | GGGG                               |                     |                      | 133                   | 37                   |
| 11332E 2305N                            | 2426-02081        | 00000/0000                   | 2-20021/1807                | 03/23/76         | 100                 | 5931            | 48.7         | 117.1        | GGGG                               |                     |                      | 131                   | 44                   |
| 11331E 2306N                            | 2678-02093        | 00000/0000                   | 2-20036/1574                | 11/30/76         | 10                  | 9445            | 34.7         | 141.5        | GGGG                               |                     |                      | 131                   | 44                   |
| 11330E 3317N                            | 2446-02161        | 00000/0000                   | 2-20023/0032                | 04/12/76         | 100                 | 6210            | 51.2         | 121.9        | GGGG                               |                     |                      | 133                   | 37                   |
| 11329E 2305N                            | 2660-02012        | 00000/0000                   | 2-20036/0463                | 11/12/76         | 30                  | 9194            | 38.5         | 139.6        | GGGG                               |                     |                      | 131                   | 44                   |
| 11329E 2301N                            | 2624-02024        | 00000/0000                   | 2-20034/0412                | 10/07/76         | 50                  | 8692            | 47.1         | 127.6        | GGGG                               |                     |                      | 131                   | 44                   |
| 11328E 4149N                            | 2466-02243        | 00000/0000                   | 2-20024/1081                | 05/02/76         | 80                  | 6489            | 53.3         | 127.2        | GGGG                               |                     |                      | 135                   | 31                   |
| 11328E 2303N                            | 2642-02020        | 00000/0000                   | 2-20034/1143                | 10/25/76         | 90                  | 8942            | 42.9         | 135.0        | GGGG                               |                     |                      | 131                   | 44                   |
| 11327E 3310N                            | 2428-02164        | 00000/0000                   | 2-20022/0560                | 03/25/76         | 60                  | 5959            | 45.4         | 127.6        | GGGG                               |                     |                      | 133                   | 37                   |
| 11326E 4151N                            | 2448-02250        | 00000/0000                   | 2-20023/0457                | 04/14/76         | 20                  | 6238            | 48.0         | 131.9        | GGGG                               |                     |                      | 135                   | 31                   |
| 11326E 3733N                            | 2465-02230        | 00000/0000                   | 2-20024/1045                | 05/01/76         | 70                  | 6475            | 54.7         | 121.3        | GGGG                               |                     |                      | 134                   | 34                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11326E                      | 3313N | 2716-02073 | 00000/0000        | 2-20038/0754                 | 01/07/77                    | 90               | 9975                | 24.6            | 143.2        | GGGG         |                                    |                     | 133                  | 37                    |                      |
| 11326E                      | 3312N | 2698-02032 | 00000/0000        | 2-20037/1044                 | 12/20/76                    | 0                | 9724                | 24.8            | 145.8        | GGGG         |                                    |                     | 133                  | 37                    |                      |
| 11326E                      | 2257N | 2372-02094 | 00000/0000        | 2-20020/0525                 | 01/29/76                    | 20               | 5178                | 35.0            | 135.3        | FGGG         |                                    |                     | 131                  | 44                    |                      |
| 11325E                      | 4148N | 2574-02214 | 00000/0000        | 2-20030/1485                 | 08/18/76                    | 90               | 7995                | 50.0            | 126.4        | GGGF         |                                    |                     | 135                  | 31                    |                      |
| 11325E                      | 3733N | 2447-02203 | 00000/0000        | 2-20023/0066                 | 04/13/76                    | 0                | 6224                | 49.8            | 127.0        | GGGG         |                                    |                     | 134                  | 34                    |                      |
| 11325E                      | 3307N | 2680-02090 | 00000/0000        | 2-20036/0713                 | 12/02/76                    | 0                | 9473                | 27.2            | 146.9        | FGGG         |                                    |                     | 133                  | 37                    |                      |
| 11323E                      | 4148N | 2718-02163 | 00000/0000        | 2-20038/1236                 | 01/09/77                    | 70               | 3                   | 18.6            | 146.7        | GGG          |                                    |                     | 135                  | 31                    |                      |
| 11323E                      | 4143N | 2430-02254 | 00000/0000        | 2-20022/0698                 | 03/27/76                    | 80               | 5987                | 41.7            | 135.7        | FFGG         |                                    |                     | 135                  | 31                    |                      |
| 11323E                      | 4142N | 2454-02240 | 00000/0000        | 2-20025/0713                 | 05/20/76                    | 0                | 6740                | 56.9            | 121.9        | GGGG         |                                    |                     | 135                  | 31                    |                      |
| 11323E                      | 4140N | 2538-02224 | 00000/0000        | 2-20028/1245                 | 07/13/76                    | 70               | 7493                | 56.4            | 116.2        | GGGG         |                                    |                     | 135                  | 31                    |                      |
| 11323E                      | 3731N | 2717-02120 | 00000/0000        | 2-20038/1023                 | 01/08/77                    | 100              | 9989                | 21.6            | 145.0        | GFGG         |                                    |                     | 134                  | 34                    |                      |
| 11323E                      | 3307N | 2608-02114 | 00000/0000        | 2-20032/1547                 | 09/21/76                    | 20               | 8469                | 45.9            | 130.7        | GGG          |                                    |                     | 133                  | 37                    |                      |
| 11323E                      | 3304N | 2644-02103 | 00000/0000        | 2-20035/0017                 | 10/27/76                    | 40               | 8971                | 36.0            | 143.1        | GGGG         |                                    |                     | 133                  | 37                    |                      |
| 11323E                      | 2729N | 2463-02113 | 00000/0000        | 2-20024/0955                 | 04/29/76                    | 100              | 6447                | 56.6            | 106.2        | GGGG         |                                    |                     | 132                  | 41                    |                      |
| 11322E                      | 4149N | 2592-02211 | 00000/0000        | 2-20032/0696                 | 09/05/76                    | 30               | 8246                | 45.6            | 133.2        | GGGG         |                                    |                     | 135                  | 31                    |                      |
| 11322E                      | 4138N | 2502-02234 | 00000/0000        | 2-20027/0208                 | 06/07/76                    | 90               | 6991                | 58.4            | 117.3        | GGGG         |                                    |                     | 135                  | 31                    |                      |
| 11322E                      | 4136N | 2520-02231 | 00000/0000        | 2-20028/0124                 | 06/25/76                    | 10               | 7242                | 58.2            | 115.0        | GGGG         |                                    |                     | 135                  | 31                    |                      |
| 11322E                      | 3732N | 2591-02164 | 00000/0000        | 2-20032/0608                 | 09/04/76                    | 10               | 8232                | 47.9            | 128.0        | GGGG         |                                    |                     | 134                  | 34                    |                      |
| 11322E                      | 3729N | 2429-02211 | 00000/0000        | 2-20022/0655                 | 03/26/76                    | 10               | 5973                | 43.7            | 131.8        | FGGG         |                                    |                     | 134                  | 34                    |                      |
| 11322E                      | 3727N | 2555-02174 | 00000/0000        | 2-20030/0405                 | 07/30/76                    | 90               | 7730                | 55.0            | 113.4        | GGGG         |                                    |                     | 134                  | 34                    |                      |
| 11322E                      | 3305N | 2662-02095 | 00000/0000        | 2-20036/0941                 | 11/14/76                    | 10               | 9222                | 31.1            | 146.1        | FGGG         |                                    |                     | 133                  | 37                    |                      |
| 11321E                      | 4143N | 2682-02180 | 00000/0000        | 2-20036/1858                 | 12/04/76                    | 50               | 9501                | 20.4            | 150.8        | GGGG         |                                    |                     | 135                  | 31                    |                      |
| 11321E                      | 3724N | 2501-02191 | 00000/0000        | 2-20026/0870                 | 06/06/76                    | 20               | 6977                | 59.3            | 109.7        | GGGG         |                                    |                     | 134                  | 34                    |                      |
| 11321E                      | 3305N | 2626-02111 | 00000/0000        | 2-20034/0486                 | 10/09/76                    | 10               | 8720                | 41.1            | 137.8        | GGGG         |                                    |                     | 133                  | 37                    |                      |
| 11320E                      | 5435N | 2470-02434 | 00000/0000        | 2-20024/1404                 | 05/06/76                    | 10               | 6545                | 47.4            | 143.6        | GGGG         |                                    |                     | 139                  | 22                    |                      |
| 11320E                      | 4137N | 2664-02154 | 00000/0000        | 2-20036/0751                 | 11/16/76                    | 50               | 9250                | 24.2            | 150.7        | GGGF         |                                    |                     | 135                  | 31                    |                      |
| 11320E                      | 3721N | 2537-02181 | 00000/0000        | 2-20028/1240                 | 07/12/76                    | 20               | 7479                | 57.4            | 108.7        | GGGG         |                                    |                     | 134                  | 34                    |                      |
| 11319E                      | 4142N | 2610-02204 | 00000/0000        | 2-20032/1677                 | 09/23/76                    | 10               | 8497                | 40.5            | 139.6        | GGGG         |                                    |                     | 135                  | 31                    |                      |
| 11318E                      | 3727N | 2681-02133 | 00000/0000        | 2-20037/0596                 | 12/03/76                    | 90               | 9487                | 23.8            | 148.9        | GGGG         |                                    |                     | 134                  | 34                    |                      |
| 11318E                      | 2730N | 2445-02120 | 00000/0000        | 2-20022/1653                 | 04/11/76                    | 90               | 6196                | 52.7            | 114.5        | GGFG         |                                    |                     | 132                  | 41                    |                      |
| 11317E                      | 5144N | 2469-02384 | 00000/0000        | 2-20024/1508                 | 05/05/76                    | 0                | 6531                | 48.9            | 140.1        | GGGG         |                                    |                     | 138                  | 24                    |                      |
| 11317E                      | 4136N | 2646-02192 | 00000/0000        | 2-20035/0252                 | 10/29/76                    | 10               | 8999                | 29.3            | 148.8        | GGGG         |                                    |                     | 135                  | 31                    |                      |
| 11317E                      | 3722N | 2609-02161 | 00000/0000        | 2-20032/1652                 | 09/22/76                    | 10               | 8483                | 43.3            | 135.3        | GGGG         |                                    |                     | 134                  | 34                    |                      |
| 11317E                      | 3721N | 2663-02141 | 00000/0000        | 2-20036/0614                 | 11/15/76                    | 70               | 9236                | 27.7            | 148.5        | GGGG         |                                    |                     | 134                  | 34                    |                      |
| 11317E                      | 3720N | 2645-02150 | 00000/0000        | 2-20035/0044                 | 10/28/76                    | 0                | 8985                | 32.7            | 146.0        | GGGG         |                                    |                     | 134                  | 34                    |                      |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11316E 3719N                            | 2411-02214        | 00000/0000                   | 2-20021/1128                | 03/08/76         | 40                  | 5722            | 37.3         | 135.7        | FGFF                               |                     |                      | 134                   | 34                   |
| 11316E 2727N                            | 2697-02041        | 00000/0000                   | 2-20037/1034                | 12/19/76         | 100                 | 9710            | 29.0         | 143.1        | GGGG                               |                     |                      | 132                   | 41                   |
| 11315E 5434N                            | 2578-02404        | 00000/0000                   | 2-20030/1686                | 08/22/76         | 80                  | 8051            | 42.2         | 142.9        | GGGG                               |                     |                      | 139                   | 22                   |
| 11315E 5146N                            | 2577-02355        | 00000/0000                   | 2-20032/0069                | 08/21/76         | 30                  | 8037            | 44.1         | 139.5        | GGGG                               |                     |                      | 138                   | 24                   |
| 11315E 3720N                            | 2627-02153        | 00000/0000                   | 2-20034/0756                | 10/10/76         | 100                 | 8734            | 38.1         | 141.5        | GGGG                               |                     |                      | 134                   | 34                   |
| 11315E 2729N                            | 2715-02033        | 00000/0000                   | 2-20038/0738                | 01/06/77         | 90                  | 9961            | 28.4         | 140.6        | GGGG                               |                     |                      | 132                   | 41                   |
| 11315E 2725N                            | 2427-02124        | 00000/0000                   | 2-20022/0518                | 03/24/76         | 70                  | 5945            | 47.5         | 121.7        | GGGG                               |                     |                      | 132                   | 41                   |
| 11313E 2723N                            | 2661-02054        | 00000/0000                   | 2-20036/0414                | 11/13/76         | 100                 | 9208            | 35.4         | 142.6        | GGGG                               |                     |                      | 132                   | 41                   |
| 11313E 2723N                            | 2679-02050        | 00000/0000                   | 2-20036/1648                | 12/01/76         | 90                  | 9459            | 31.5         | 144.0        | GGGG                               |                     |                      | 132                   | 41                   |
| 11312E 5139N                            | 2559-02362        | 00000/0000                   | 2-20030/0595                | 08/03/76         | 100                 | 7786            | 48.8         | 135.1        | FGGG                               |                     |                      | 138                   | 24                   |
| 11312E 2721N                            | 2643-02063        | 00000/0000                   | 2-20035/0172                | 10/26/76         | 90                  | 8957            | 40.1         | 138.7        | GGGG                               |                     |                      | 132                   | 41                   |
| 11310E 5423N                            | 2542-02414        | 00000/0000                   | 2-20028/1639                | 07/17/76         | 10                  | 7549            | 50.7         | 136.7        | GGGG                               |                     |                      | 139                   | 22                   |
| 11310E 2718N                            | 2625-02071        | 00000/0000                   | 2-20034/0550                | 10/08/76         | 100                 | 8706            | 44.7         | 132.3        | GGFF                               |                     |                      | 132                   | 41                   |
| 11308E 5418N                            | 2506-02424        | 00000/0000                   | 2-20026/1665                | 06/11/76         | 50                  | 7047            | 53.3         | 137.8        | GGGG                               |                     |                      | 139                   | 22                   |
| 11308E 5132N                            | 2505-02375        | 00000/0000                   | 2-20026/1173                | 06/10/76         | 10                  | 7033            | 54.7         | 133.5        | FGGG                               |                     |                      | 138                   | 24                   |
| 11308E 5132N                            | 2541-02365        | 00000/0000                   | 2-20028/1489                | 07/16/76         | 10                  | 7535            | 52.3         | 132.4        | FGGG                               |                     |                      | 138                   | 24                   |
| 11307E 3147N                            | 2464-02160        | 00000/0000                   | 2-20024/0749                | 04/30/76         | 20                  | 6461            | 56.1         | 112.7        | GGGG                               |                     |                      | 133                   | 38                   |
| 11306E 5129N                            | 2523-02372        | 00000/0000                   | 2-20028/0170                | 06/28/76         | 10                  | 7284            | 54.4         | 131.8        | GGGG                               |                     |                      | 138                   | 24                   |
| 11305E 5415N                            | 2524-02422        | 00000/0000                   | 2-20028/0357                | 06/29/76         | 10                  | 7298            | 53.0         | 136.1        | GGGG                               |                     |                      | 139                   | 22                   |
| 11305E 3151N                            | 2446-02163        | 00000/0000                   | 2-20023/0033                | 04/12/76         | 100                 | 6210            | 51.7         | 120.0        | GGGG                               |                     |                      | 133                   | 38                   |
| 11302E 3144N                            | 2428-02171        | 00000/0000                   | 2-20022/0561                | 03/25/76         | 90                  | 5959            | 46.1         | 126.1        | GGGG                               |                     |                      | 133                   | 38                   |
| 11301E 3147N                            | 2716-02080        | 00000/0000                   | 2-20038/0755                | 01/07/77         | 100                 | 9975            | 25.5         | 142.5        | GGGG                               |                     |                      | 133                   | 38                   |
| 11301E 3146N                            | 2698-02084        | 00000/0000                   | 2-20037/1045                | 12/20/76         | 20                  | 9724            | 25.9         | 145.1        | GGGG                               |                     |                      | 133                   | 38                   |
| 11300E 3141N                            | 2680-02093        | 00000/0000                   | 2-20036/0714                | 12/02/76         | 10                  | 9473            | 28.3         | 146.2        | FFGG                               |                     |                      | 133                   | 38                   |
| 11259E 3607N                            | 2465-02203        | 00000/0000                   | 2-20024/1046                | 05/01/76         | 70                  | 6475            | 55.2         | 119.1        | GGGG                               |                     |                      | 134                   | 35                   |
| 11259E 3139N                            | 2410-02174        | 00000/0000                   | 2-20021/1323                | 03/07/76         | 100                 | 5708            | 40.1         | 131.3        | GGFG                               |                     |                      | 133                   | 38                   |
| 11259E 2603N                            | 2463-02120        | 00000/0000                   | 2-20024/0956                | 04/29/76         | 90                  | 6447            | 56.8         | 103.8        | GGGG                               |                     |                      | 132                   | 42                   |
| 11258E 4024N                            | 2466-02250        | 00000/0000                   | 2-20024/1082                | 05/02/76         | 20                  | 6489            | 53.9         | 125.2        | FFFF                               |                     |                      | 135                   | 32                   |
| 11258E 3141N                            | 2608-02121        | 00000/0000                   | 2-20037/1548                | 09/21/76         | 80                  | 8469            | 46.6         | 129.2        | GGGG                               |                     |                      | 133                   | 38                   |
| 11258E 3139N                            | 2644-02105        | 00000/0000                   | 2-20035/0018                | 10/27/76         | 60                  | 8971            | 37.0         | 142.1        | GGGG                               |                     |                      | 133                   | 38                   |
| 11257E 3607N                            | 2447-02210        | 00000/0000                   | 2-20023/0067                | 04/13/76         | 10                  | 6224            | 50.4         | 125.2        | GGGG                               |                     |                      | 134                   | 35                   |
| 11247E 3139N                            | 2662-02101        | 00000/0000                   | 2-20034/0942                | 11/14/76         | 10                  | 9222            | 32.2         | 145.3        | FGGG                               |                     |                      | 133                   | 38                   |
| 11246E 4025N                            | 2448-02253        | 00000/0000                   | 2-20023/0458                | 04/14/76         | 20                  | 6238            | 48.7         | 130.2        | GGGF                               |                     |                      | 135                   | 32                   |
| 11245E 4022N                            | 2574-02220        | 00000/0000                   | 2-20030/1486                | 08/18/76         | 60                  | 7995            | 50.6         | 124.5        | FGGF                               |                     |                      | 135                   | 32                   |
| 11235E 3605N                            | 2717-02122        | 00000/0000                   | 2-20038/1024                | 01/08/77         | 90                  | 9989            | 22.6         | 144.3        | GGGF                               |                     |                      | 134                   | 35                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD; NOT AVAILABLE; G=GOOD; F=FAIR;  
 MSS DATA MODE ..... (BLANK)=COMPRESSED; L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN; H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 077.

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11255E 3604N                            | 2429-02213        | 00000/0000                   | 2-20022/0656               | 03/26/76         | 50                  | 5973            | 44.4         | 130.3        | GFGG                               |                     |                      | 134                   | 35                   |
| 11255E 3601N                            | 2555-02181        | 00000/0000                   | 2-20030/0406               | 07/30/76         | 40                  | 7730            | 55.3         | 111.1        | GGGG                               |                     |                      | 134                   | 35                   |
| 11255E 3139N                            | 2626-02113        | 00000/0000                   | 2-20034/0487               | 10/09/76         | 10                  | 8720            | 42.0         | 136.6        | GGGG                               |                     |                      | 133                   | 38                   |
| 11255E 2603N                            | 2445-02123        | 00000/0000                   | 2-20022/1654               | 04/11/76         | 90                  | 6196            | 53.0         | 112.5        | FGGF                               |                     |                      | 132                   | 42                   |
| 11254E 4019N                            | 2556-02223        | 00000/0000                   | 2-20030/0364               | 07/31/76         | 30                  | 7744            | 54.1         | 118.2        | GGGG                               |                     |                      | 135                   | 32                   |
| 11254E 3607N                            | 2591-02170        | 00000/0000                   | 2-20032/0609               | 09/04/76         | 40                  | 8232            | 48.6         | 126.3        | GGGG                               |                     |                      | 134                   | 35                   |
| 11254E 3558N                            | 2501-02193        | 00000/0000                   | 2-20026/0871               | 06/06/76         | 10                  | 6977            | 59.5         | 107.1        | GGGG                               |                     |                      | 134                   | 35                   |
| 11254E 0839N                            | 2514-01583        | 00000/0000                   | 2-20027/0001               | 06/13/76         | 100                 | 7158            | 51.0         | 63.2         | GGGG                               |                     |                      | 129                   | 54                   |
| 11253E 4023N                            | 2718-02165        | 00000/0000                   | 2-20038/1237               | 01/09/77         | 40                  | 3               | 19.7         | 146.1        | FGGG                               |                     |                      | 135                   | 32                   |
| 11253E 4018N                            | 2430-02260        | 00000/0000                   | 2-20022/0699               | 03/27/76         | 60                  | 5987            | 42.5         | 134.3        | GGGG                               |                     |                      | 135                   | 32                   |
| 11253E 4016N                            | 2484-02243        | 00000/0000                   | 2-20025/0714               | 05/20/76         | 10                  | 6740            | 57.3         | 119.5        | GGGG                               |                     |                      | 135                   | 32                   |
| 11253E 4015N                            | 2538-02230        | 00000/0000                   | 2-20028/1246               | 07/13/76         | 30                  | 7493            | 56.8         | 113.8        | GGGG                               |                     |                      | 135                   | 32                   |
| 11253E 4013N                            | 2502-02240        | 00000/0000                   | 2-20027/0209               | 06/07/76         | 20                  | 6991            | 58.8         | 114.7        | GGGG                               |                     |                      | 135                   | 32                   |
| 11253E 3556N                            | 2537-02184        | 00000/0000                   | 2-20028/1241               | 07/12/76         | 30                  | 7479            | 57.5         | 106.2        | GGGG                               |                     |                      | 134                   | 35                   |
| 11253E 2601N                            | 2497-02044        | 00000/0000                   | 2-20037/1035               | 12/19/76         | 90                  | 9710            | 30.0         | 142.4        | GGGG                               |                     |                      | 132                   | 42                   |
| 11252E 4023N                            | 2592-02213        | 00000/0000                   | 2-20037/0697               | 09/05/76         | 40                  | 8246            | 46.3         | 131.6        | GGGF                               |                     |                      | 135                   | 32                   |
| 11252E 2602N                            | 2715-02040        | 00000/0000                   | 2-20038/0739               | 01/06/77         | 90                  | 9961            | 29.3         | 139.8        | GGGG                               |                     |                      | 132                   | 42                   |
| 11252E 2558N                            | 2427-02130        | 00000/0000                   | 2-20027/0519               | 03/24/76         | 90                  | 5945            | 48.0         | 120.1        | GGFF                               |                     |                      | 132                   | 42                   |
| 11251E 4017N                            | 2682-02182        | 00000/0000                   | 2-20036/1859               | 12/04/76         | 10                  | 9501            | 21.5         | 150.1        | GGGG                               |                     |                      | 135                   | 32                   |
| 11251E 4011N                            | 2520-02234        | 00000/0000                   | 2-20028/0125               | 06/25/76         | 0                   | 7242            | 58.4         | 112.5        | GGGG                               |                     |                      | 135                   | 32                   |
| 11251E 3602N                            | 2681-02135        | 00000/0000                   | 2-20037/0597               | 12/03/76         | 60                  | 9487            | 24.9         | 148.2        | GGGG                               |                     |                      | 134                   | 35                   |
| 11250E 4016N                            | 2610-02210        | 00000/0000                   | 2-20032/1678               | 09/23/76         | 10                  | 8497            | 41.3         | 138.3        | FGGG                               |                     |                      | 135                   | 32                   |
| 11250E 3556N                            | 2609-02163        | 00000/0000                   | 2-20032/1635               | 09/22/76         | 10                  | 8483            | 44.1         | 133.9        | GGGG                               |                     |                      | 134                   | 35                   |
| 11250E 3556N                            | 2663-02144        | 00000/0000                   | 2-20036/0615               | 11/15/76         | 90                  | 9236            | 28.8         | 147.7        | GGGG                               |                     |                      | 134                   | 35                   |
| 11250E 3555N                            | 2645-02152        | 00000/0000                   | 2-20035/0045               | 10/28/76         | 0                   | 8985            | 33.7         | 145.1        | FGGG                               |                     |                      | 134                   | 35                   |
| 11250E 2557N                            | 2679-02053        | 00000/0000                   | 2-20034/1649               | 12/01/76         | 100                 | 9459            | 32.5         | 143.2        | GGGG                               |                     |                      | 132                   | 42                   |
| 11249E 4012N                            | 2664-02191        | 00000/0000                   | 2-20036/0752               | 11/16/76         | 70                  | 9250            | 25.3         | 150.0        | GGGG                               |                     |                      | 135                   | 32                   |
| 11249E 2558N                            | 2661-02061        | 00000/0000                   | 2-20036/0415               | 11/13/76         | 100                 | 9208            | 36.4         | 141.7        | GGGF                               |                     |                      | 132                   | 42                   |
| 11249E 2555N                            | 2643-02065        | 00000/0000                   | 2-20035/0173               | 10/26/76         | 90                  | 8957            | 41.0         | 137.6        | FGGG                               |                     |                      | 132                   | 42                   |
| 11248E 3553N                            | 2411-02221        | 00000/0000                   | 2-20021/1129               | 03/08/76         | 30                  | 5722            | 38.1         | 134.5        | FGGG                               |                     |                      | 134                   | 35                   |
| 11247E 4011N                            | 2646-02195        | 00000/0000                   | 2-20035/0253               | 10/29/76         | 10                  | 8999            | 30.3         | 147.9        | GGGG                               |                     |                      | 135                   | 32                   |
| 11247E 3554N                            | 2627-02160        | 00000/0000                   | 2-20034/0757               | 10/10/76         | 100                 | 8734            | 39.0         | 140.4        | GGGG                               |                     |                      | 134                   | 35                   |
| 11246E 2551N                            | 2625-02073        | 00000/0000                   | 2-20034/0551               | 10/08/76         | 90                  | 8706            | 45.5         | 130.9        | FGGG                               |                     |                      | 132                   | 42                   |
| 11243E 3021N                            | 2464-02163        | 00000/0000                   | 2-20024/0750               | 04/30/76         | 10                  | 6461            | 56.4         | 110.3        | GGGG                               |                     |                      | 133                   | 39                   |
| 11240E 3024N                            | 2446-02170        | 00000/0000                   | 2-20023/0034               | 04/12/76         | 90                  | 6210            | 52.2         | 118.0        | GGGG                               |                     |                      | 133                   | 39                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0778

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN REEL | DATE<br>ACQUIRED | CLOUD<br>COVER % | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBY                   | MSS                  |                  |                  |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 11238E                      | 5559N             | 2579-02460            | 00000/0000           | 2-20030/1718     | 08/23/76         | 80              | 8065         | 40.9         | 144.8                 | GGGG                |                      | 140                   | 21                   |
| 11238E                      | 5554N             | 2471-02485            | 00000/0000           | 2-20024/1702     | 05/07/76         | 90              | 6559         | 46.8         | 145.1                 | FFGG                |                      | 140                   | 21                   |
| 11237E                      | 5020N             | 2469-02391            | 00000/0000           | 2-20024/1509     | 05/05/76         | 0               | 6531         | 49.7         | 138.2                 | GGFG                |                      | 138                   | 25                   |
| 11237E                      | 3018N             | 2428-02173            | 00000/0000           | 2-20022/0562     | 03/25/76         | 100             | 5969         | 46.7         | 124.6                 | GGGG                |                      | 133                   | 39                   |
| 11236E                      | 5554N             | 2561-02464            | 00000/0000           | 2-20030/0814     | 08/05/76         | 60              | 7814         | 46.0         | 141.1                 | GGGG                |                      | 140                   | 21                   |
| 11236E                      | 3021N             | 2716-02082            | 00000/0000           | 2-20038/0756     | 01/07/77         | 90              | 9975         | 26.5         | 141.8                 | GGGG                |                      | 133                   | 39                   |
| 11236E                      | 3019N             | 2698-02091            | 00000/0000           | 2-20037/1046     | 12/20/76         | 20              | 9724         | 26.9         | 144.4                 | GGGG                |                      | 133                   | 39                   |
| 11235E                      | 5311N             | 2470-02440            | 00000/0000           | 2-20024/1405     | 05/06/76         | 10              | 6545         | 48.3         | 141.8                 | GGGG                |                      | 139                   | 23                   |
| 11235E                      | 3015N             | 2680-02095            | 00000/0000           | 2-20036/0715     | 12/02/76         | 10              | 9473         | 29.3         | 145.5                 | FFGG                |                      | 133                   | 39                   |
| 11234E                      | 5545N             | 2507-02480            | 00000/0000           | 2-20026/1360     | 06/12/76         | 50              | 7061         | 52.5         | 139.9                 | GGGG                |                      | 140                   | 21                   |
| 11234E                      | 3014N             | 2608-02123            | 00000/0000           | 2-20032/1549     | 09/21/76         | 80              | 8469         | 47.3         | 127.6                 | GGGG                |                      | 133                   | 39                   |
| 11234E                      | 3013N             | 2410-02181            | 00000/0000           | 2-20021/1324     | 03/07/76         | 100             | 5708         | 40.8         | 130.0                 | GGGG                |                      | 133                   | 39                   |
| 11234E                      | 0712N             | 2514-01585            | 00000/0000           | 2-20027/0002     | 06/19/76         | 70              | 7158         | 50.2         | 61.0                  | GGGF                |                      | 129                   | 55                   |
| 11233E                      | 5022N             | 2577-02361            | 00000/0000           | 2-20032/0070     | 08/21/76         | 10              | 8037         | 45.0         | 137.9                 | GGGG                |                      | 138                   | 25                   |
| 11233E                      | 3441N             | 2465-02205            | 00000/0000           | 2-20024/1047     | 05/01/76         | 90              | 6475         | 55.6         | 116.9                 | GGGG                |                      | 134                   | 36                   |
| 11233E                      | 3013N             | 2644-02117            | 00000/0000           | 2-20035/0019     | 10/27/76         | 100             | 8971         | 37.9         | 141.1                 | GGGG                |                      | 133                   | 39                   |
| 11233E                      | 3013N             | 2662-02104            | 00000/0000           | 2-20036/0943     | 11/14/76         | 20              | 9222         | 33.2         | 144.5                 | GGGG                |                      | 133                   | 39                   |
| 11231E                      | 5544N             | 2543-02470            | 00000/0000           | 2-20028/1691     | 07/18/76         | 20              | 7563         | 49.8         | 138.8                 | GGGG                |                      | 140                   | 21                   |
| 11231E                      | 5014N             | 2559-02365            | 00000/0000           | 2-20030/0596     | 08/03/76         | 100             | 7786         | 49.5         | 133.2                 | FFFG                |                      | 138                   | 25                   |
| 11231E                      | 3013N             | 2626-02120            | 00000/0000           | 2-20034/0488     | 10/09/76         | 10              | 8720         | 42.8         | 135.4                 | GGGG                |                      | 133                   | 39                   |
| 11230E                      | 5542N             | 2525-02473            | 00000/0000           | 2-20024/0504     | 06/30/76         | 10              | 7312         | 52.1         | 135.3                 | GGGG                |                      | 140                   | 21                   |
| 11230E                      | 5310N             | 2578-02411            | 00000/0000           | 2-20030/1687     | 08/22/76         | 40              | 8051         | 43.0         | 141.3                 | GGGG                |                      | 139                   | 23                   |
| 11230E                      | 3440N             | 2447-02212            | 00000/0000           | 2-20023/0068     | 04/13/76         | 10              | 6224         | 51.0         | 123.4                 | GGGG                |                      | 134                   | 36                   |
| 11230E                      | 2435N             | 2697-02050            | 00000/0000           | 2-20037/1036     | 12/19/76         | 90              | 9710         | 31.0         | 141.6                 | GGGG                |                      | 132                   | 43                   |
| 11230E                      | 2432N             | 2427-02133            | 00000/0000           | 2-20022/0520     | 03/24/76         | 100             | 5945         | 48.5         | 118.4                 | GGGG                |                      | 132                   | 43                   |
| 11229E                      | 5302N             | 2488-02433            | 00000/0000           | 2-20025/1207     | 05/24/76         | 70              | 6796         | 52.2         | 138.6                 | GGGG                |                      | 139                   | 23                   |
| 11229E                      | 5008N             | 2541-02372            | 00000/0000           | 2-20028/1490     | 07/16/76         | 20              | 7535         | 53.0         | 130.2                 | GGGG                |                      | 138                   | 25                   |
| 11229E                      | 3858N             | 2466-02252            | 00000/0000           | 2-20024/1083     | 05/02/76         | 10              | 6489         | 54.5         | 123.0                 | GGGG                |                      | 135                   | 33                   |
| 11229E                      | 2436N             | 2715-02042            | 00000/0000           | 2-20038/0740     | 01/06/77         | 90              | 9961         | 30.3         | 139.0                 | GGGG                |                      | 132                   | 43                   |
| 11228E                      | 5007N             | 2505-02382            | 00000/0000           | 2-20026/1174     | 06/10/76         | 10              | 7033         | 55.4         | 131.2                 | GGGG                |                      | 138                   | 25                   |
| 11228E                      | 3439N             | 2717-02125            | 00000/0000           | 2-20038/1025     | 01/08/77         | 90              | 9989         | 23.6         | 143.7                 | GGGG                |                      | 134                   | 36                   |
| 11228E                      | 3438N             | 2429-02220            | 00000/0000           | 2-20022/0657     | 03/26/76         | 80              | 5973         | 45.1         | 128.8                 | GGGG                |                      | 134                   | 36                   |
| 11228E                      | 3438N             | 2555-02183            | 00000/0000           | 2-20030/0407     | 07/30/76         | 10              | 7730         | 55.5         | 108.8                 | GGGG                |                      | 134                   | 36                   |
| 11228E                      | 3438N             | 2501-02200            | 00000/0000           | 2-20026/0101     | 06/06/76         | 60              | 6977         | 59.6         | 104.4                 | GGGG                |                      | 134                   | 36                   |
| 11227E                      | 3900N             | 2448-02255            | 00000/0000           | 2-20023/0459     | 04/14/76         | 10              | 6238         | 49.4         | 128.5                 | GGGG                |                      | 135                   | 33                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS AND NOT AVAILABLE, G=GOOD, F=FAIR,  
 MSS DATA MODE ..... (BLANK, COMPRESSED), L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11227E 3441N                            | 2591-02173        | 00000/0000 2-20032/0610                            | 09/04/76         | 90                  | 8232            | 49.2         | 124.6        | GGGF                               |                     |                      | 134                   | 36                   |
| 11227E 3431N                            | 2597-02190        | 00000/0000 2-20028/1242                            | 07/12/76         | 30                  | 7479            | 57.6         | 103.7        | GGGG                               |                     |                      | 134                   | 36                   |
| 11227E 2431N                            | 2661-02063        | 00000/0000 2-20036/0416                            | 11/13/76         | 100                 | 9208            | 37.4         | 140.8        | GGGG                               |                     |                      | 132                   | 43                   |
| 11227E 2430N                            | 2679-02055        | 00000/0000 2-20036/1650                            | 12/01/76         | 100                 | 9459            | 33.5         | 142.4        | GGGG                               |                     |                      | 132                   | 43                   |
| 11226E 5259N                            | 2542-02421        | 00000/0000 2-20028/1640                            | 07/17/76         | 20                  | 7549            | 51.5         | 134.6        | GGGG                               |                     |                      | 139                   | 23                   |
| 11226E 5055N                            | 2523-02375        | 00000/0000 2-20028/0171                            | 06/28/76         | 70                  | 7284            | 55.1         | 129.5        | GGGG                               |                     |                      | 138                   | 25                   |
| 11226E 2428N                            | 2643-02072        | 00000/0000 2-20035/0174                            | 10/26/76         | 100                 | 8957            | 41.8         | 136.5        | FGGG                               |                     |                      | 132                   | 43                   |
| 11226E 2427N                            | 2409-02140        | 00000/0000 2-20021/1265                            | 03/06/76         | 90                  | 5694            | 43.2         | 125.1        | GGGG                               |                     |                      | 132                   | 43                   |
| 11225E 3857N                            | 2574-02223        | 00000/0000 2-20030/1487                            | 08/18/76         | 20                  | 7995            | 51.1         | 122.6        | GGGF                               |                     |                      | 135                   | 33                   |
| 11225E 3854N                            | 2556-02230        | 00000/0000 2-20030/0365                            | 07/31/76         | 40                  | 7744            | 54.5         | 116.0        | GGGG                               |                     |                      | 135                   | 33                   |
| 11224E 3857N                            | 2718-02172        | 00000/0000 2-20038/1238                            | 01/09/77         | 30                  | 3               | 20.7         | 145.4        | GGGG                               |                     |                      | 135                   | 33                   |
| 11224E 3849N                            | 2502-02243        | 00000/0000 2-20027/0210                            | 06/07/76         | 10                  | 6991            | 59.1         | 112.1        | GGGG                               |                     |                      | 135                   | 33                   |
| 11224E 3849N                            | 2538-02233        | 00000/0000 2-20024/1247                            | 07/13/76         | 20                  | 7493            | 57.0         | 111.4        | GGGG                               |                     |                      | 134                   | 36                   |
| 11224E 3436N                            | 2681-02142        | 00000/0000 2-20037/0598                            | 12/03/76         | 80                  | 9487            | 25.9         | 147.6        | GGGG                               |                     |                      | 134                   | 36                   |
| 11224E 3430N                            | 2645-02155        | 00000/0000 2-20035/0046                            | 10/28/76         | 0                   | 8985            | 34.7         | 144.2        | GGGG                               |                     |                      | 134                   | 36                   |
| 11224E 3430N                            | 2663-02150        | 00000/0000 2-20036/0616                            | 11/15/76         | 100                 | 9236            | 29.8         | 147.0        | GGGG                               |                     |                      | 134                   | 36                   |
| 11224E 2428N                            | 2373-02150        | 00000/0000 2-20020/0596                            | 01/30/76         | 90                  | 5192            | 34.3         | 136.0        | GGGG                               |                     |                      | 132                   | 43                   |
| 11223E 5255N                            | 2506-02431        | 00000/0000 2-20024/1666                            | 06/11/76         | 40                  | 7047            | 54.0         | 135.6        | GGGG                               |                     |                      | 139                   | 23                   |
| 11223E 3857N                            | 2592-02220        | 00000/0000 2-20032/0698                            | 09/05/76         | 60                  | 8246            | 47.0         | 130.0        | FFFG                               |                     |                      | 135                   | 33                   |
| 11223E 3852N                            | 2430-02263        | 00000/0000 2-20022/0700                            | 03/27/76         | 80                  | 5987            | 43.3         | 132.9        | FFGG                               |                     |                      | 135                   | 33                   |
| 11223E 3851N                            | 2484-02245        | 00000/0000 2-20025/0715                            | 05/20/76         | 40                  | 6740            | 57.7         | 117.1        | GGGG                               |                     |                      | 135                   | 33                   |
| 11223E 3430N                            | 2609-02170        | 00000/0000 2-20032/1636                            | 09/22/76         | 30                  | 8483            | 44.9         | 132.5        | GGGG                               |                     |                      | 134                   | 36                   |
| 11222E 3427N                            | 2411-02223        | 00000/0000 2-20021/1130                            | 03/08/76         | 10                  | 5722            | 38.9         | 133.4        | GGGG                               |                     |                      | 134                   | 36                   |
| 11222E 2424N                            | 2391-02143        | 00000/0000 2-20020/1467                            | 02/17/76         | 90                  | 5443            | 38.2         | 130.9        | GGGG                               |                     |                      | 132                   | 43                   |
| 11221E 5251N                            | 2524-02424        | 00000/0000 2-20024/0358                            | 06/29/76         | 10                  | 7298            | 53.7         | 133.9        | GGGG                               |                     |                      | 139                   | 23                   |
| 11221E 3852N                            | 2682-02185        | 00000/0000 2-20036/1860                            | 12/04/76         | 30                  | 9501            | 22.6         | 149.5        | FFGG                               |                     |                      | 135                   | 33                   |
| 11221E 3850N                            | 2610-02213        | 00000/0000 2-20032/1679                            | 09/23/76         | 10                  | 8497            | 42.2         | 137.0        | GGGG                               |                     |                      | 135                   | 33                   |
| 11221E 3846N                            | 2520-02240        | 00000/0000 2-20028/0126                            | 06/25/76         | 0                   | 7242            | 58.7         | 109.9        | GGGG                               |                     |                      | 135                   | 33                   |
| 11220E 3847N                            | 2664-02193        | 00000/0000 2-20034/0753                            | 11/16/76         | 90                  | 9250            | 26.4         | 149.3        | GGGG                               |                     |                      | 134                   | 36                   |
| 11220E 3428N                            | 2627-02162        | 00000/0000 2-20034/0758                            | 10/10/76         | 90                  | 8734            | 40.0         | 139.3        | GGGG                               |                     |                      | 135                   | 33                   |
| 11218E 3846N                            | 2646-02201        | 00000/0000 2-20035/0254                            | 10/29/76         | 0                   | 8999            | 31.4         | 147.1        | GGGG                               |                     |                      | 133                   | 40                   |
| 11218E 2855N                            | 2464-02165        | 00000/0000 2-20024/0751                            | 04/30/76         | 10                  | 6461            | 56.6         | 108.0        | FGGG                               |                     |                      | 133                   | 40                   |
| 11216E 2858N                            | 2446-02172        | 00000/0000 2-20023/0035                            | 04/12/76         | 90                  | 6210            | 52.6         | 116.1        | GGGG                               |                     |                      | 133                   | 40                   |
| 11213E 2852N                            | 2428-02180        | 00000/0000 2-20022/0563                            | 03/25/76         | 100                 | 5959            | 47.3         | 123.0        | GGGG                               |                     |                      | 129                   | 56                   |
| 11213E 0545N                            | 2514-01592        | 00000/0000 2-20027/0003                            | 06/19/76         | 50                  | 7158            | 49.3         | 60.3         | GGGG                               |                     |                      |                       |                      |

KEYS: CLOUD COVER x ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 (BLANK)=COMPRESSED, L=LINEAR  
 MSS DATA MODE ..... (BLANK)=LOW GAIN, H=HIGH GAIN  
 MSS IMAGE GAIN.....

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11212E 2854N                            | 2716-02085        | 00000/0000 2-20034/0757                            | 01/07/77         | 80                  | 9975            | 27.5         | 141.1        | GGGG                               |                     |                      |                       |                      |
| 11212E 2853N                            | 2698-02093        | 00000/0000 2-20037/1047                            | 12/20/76         | 10                  | 9724            | 27.9         | 143.7        | GGGG                               |                     |                      | 133                   | 40                   |
| 11210E 2850N                            | 2680-02102        | 00000/0000 2-20036/0716                            | 12/02/76         | 10                  | 9473            | 30.3         | 144.7        | GGGG                               |                     |                      | 133                   | 40                   |
| 11210E 2311N                            | 2445-02132        | 00000/0000 2-20022/1655                            | 04/11/76         | 90                  | 6196            | 53.6         | 108.4        | FGGG                               |                     |                      | 133                   | 40                   |
| 11209E 2847N                            | 2662-02110        | 00000/0000 2-20036/0944                            | 11/14/76         | 40                  | 9222            | 34.2         | 143.6        | FGGG                               |                     |                      | 132                   | 44                   |
| 11208E 2846N                            | 2644-02114        | 00000/0000 2-20035/0020                            | 10/27/76         | 100                 | 8971            | 38.9         | 140.1        | GGGG                               |                     |                      | 133                   | 40                   |
| 11207E 3315N                            | 2465-02212        | 00000/0000 2-20024/1048                            | 05/01/76         | 100                 | 6475            | 56.0         | 114.6        | GGGG                               |                     |                      | 133                   | 40                   |
| 11207E 2848N                            | 2626-02122        | 00000/0000 2-20034/0489                            | 10/09/76         | 50                  | 8720            | 43.6         | 134.1        | GGGG                               |                     |                      | 134                   | 37                   |
| 11207E 2310N                            | 2715-02045        | 00000/0000 2-20038/0741                            | 01/06/77         | 100                 | 9961            | 31.2         | 138.3        | GGGG                               |                     |                      | 133                   | 40                   |
| 11207E 2308N                            | 2697-02053        | 00000/0000 2-20037/1037                            | 12/19/76         | 90                  | 9710            | 31.9         | 140.9        | GGGG                               |                     |                      | 132                   | 44                   |
| 11207E 2306N                            | 2427-02135        | 00000/0000 2-20022/0521                            | 03/24/76         | 100                 | 5945            | 49.0         | 116.7        | GGGG                               |                     |                      | 132                   | 44                   |
| 11204E 3314N                            | 2447-02215        | 00000/0000 2-20023/0069                            | 04/13/76         | 10                  | 6224            | 51.5         | 121.5        | GGGG                               |                     |                      | 132                   | 44                   |
| 11204E 2305N                            | 2679-02062        | 00000/0000 2-20036/1651                            | 12/01/76         | 90                  | 9459            | 34.5         | 141.5        | GGGG                               |                     |                      | 134                   | 37                   |
| 11204E 2304N                            | 2661-02070        | 00000/0000 2-20036/0417                            | 11/13/76         | 60                  | 9208            | 38.3         | 139.8        | GGGG                               |                     |                      | 132                   | 44                   |
| 11204E 2301N                            | 2409-02143        | 00000/0000 2-20021/1266                            | 03/06/76         | 70                  | 5694            | 43.8         | 123.8        | GGGG                               |                     |                      | 132                   | 44                   |
| 11203E 2302N                            | 2643-02074        | 00000/0000 2-20035/0175                            | 10/26/76         | 100                 | 8987            | 42.7         | 135.3        | GGGG                               |                     |                      | 132                   | 44                   |
| 11202E 4153N                            | 2449-02304        | 00000/0000 2-20023/0181                            | 04/15/76         | 10                  | 6252            | 48.3         | 131.7        | GGGG                               |                     |                      | 136                   | 31                   |
| 11202E 3313N                            | 2717-02131        | 00000/0000 2-20038/1026                            | 01/08/77         | 70                  | 9989            | 24.6         | 143.0        | GGGG                               |                     |                      | 134                   | 37                   |
| 11202E 3311N                            | 2429-02222        | 00000/0000 2-20022/0558                            | 03/26/76         | 50                  | 5973            | 45.8         | 127.3        | GGGG                               |                     |                      | 134                   | 37                   |
| 11201E 4149N                            | 2467-02301        | 00000/0000 2-20024/1229                            | 05/03/76         | 10                  | 6503            | 53.5         | 127.0        | GGGG                               |                     |                      | 136                   | 31                   |
| 11201E 2302N                            | 2373-02152        | 00000/0000 2-20020/0597                            | 01/30/76         | 100                 | 5192            | 35.2         | 135.1        | GGGG                               |                     |                      | 132                   | 44                   |
| 11200E 4151N                            | 2575-02272        | 00000/0000 2-20030/1548                            | 08/19/76         | 10                  | 8009            | 49.8         | 126.8        | GGGG                               |                     |                      | 134                   | 31                   |
| 11200E 3732N                            | 2466-02255        | 00000/0000 2-20024/1084                            | 05/02/76         | 0                   | 6489            | 55.0         | 120.9        | GGGG                               |                     |                      | 135                   | 34                   |
| 11200E 2259N                            | 2391-02150        | 00000/0000 2-20020/1468                            | 02/17/76         | 90                  | 5443            | 38.9         | 129.8        | GGGG                               |                     |                      | 132                   | 44                   |
| 11159E 4855N                            | 2469-02393        | 00000/0000 2-20024/1510                            | 05/05/76         | 0                   | 6531            | 50.5         | 136.3        | GGGG                               |                     |                      | 138                   | 26                   |
| 11159E 4139N                            | 2503-02292        | 00000/0000 2-20026/0741                            | 06/08/76         | 90                  | 7005            | 58.5         | 117.1        | FGGG                               |                     |                      | 134                   | 31                   |
| 11159E 3310N                            | 2681-02144        | 00000/0000 2-20037/0599                            | 12/03/76         | 90                  | 9487            | 27.0         | 146.9        | GGGG                               |                     |                      | 134                   | 37                   |
| 11159E 3305N                            | 2663-02153        | 00000/0000 2-20036/0617                            | 11/15/76         | 100                 | 9236            | 30.9         | 146.2        | GGGG                               |                     |                      | 134                   | 37                   |
| 11158E 3304N                            | 2645-02161        | 00000/0000 2-20035/0047                            | 10/28/76         | 0                   | 8985            | 35.7         | 143.3        | GGGG                               |                     |                      | 134                   | 37                   |
| 11157E 4148N                            | 2593-02265        | 00000/0000 2-20032/0824                            | 09/06/76         | 90                  | 8260            | 45.3         | 133.6        | GGGG                               |                     |                      | 136                   | 31                   |
| 11157E 4146N                            | 2431-02312        | 00000/0000 2-20022/0733                            | 03/28/76         | 90                  | 6001            | 42.1         | 135.5        | GGGG                               |                     |                      | 136                   | 31                   |
| 11157E 4139N                            | 2539-02292        | 00000/0000 2-20028/1286                            | 07/14/76         | 50                  | 7507            | 56.3         | 116.3        | GGGG                               |                     |                      | 134                   | 31                   |
| 11157E 3732N                            | 2574-02225        | 00000/0000 2-20030/1488                            | 08/18/76         | 20                  | 7995            | 51.6         | 120.7        | GGGG                               |                     |                      | 135                   | 34                   |
| 11157E 3728N                            | 2556-02237        | 00000/0000 2-20030/0366                            | 07/31/76         | 90                  | 7744            | 54.8         | 113.7        | GGGG                               |                     |                      | 134                   | 37                   |
| 11157E 3304N                            | 2609-02172        | 00000/0000 2-20027/1637                            | 09/22/76         | 60                  | 8483            | 45.7         | 131.1        | GGGG                               |                     |                      | 134                   | 37                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS= BAND NOT AVAILABLE, SPREAD, POOR, FAIR,  
 MSS DATA MODE ..... (BLANK)= COMPRESSED, L= LINEAR  
 MSS IMAGE GAIN ..... (BLANK)= LOW GAIN, H= HIGH GAIN

02144 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0781

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11156E 3724N                            | 2502-02245        | 00000/0000 2-20027/0211                            | 06/07/76         | 80                  | 6991            | 59.3         | 109.5        |                                    |                     |                      |                       |                      |
| 11156E 3724N                            | 2538-02235        | 00000/0000 2-20028/1248                            | 07/13/76         | 10                  | 7493            | 57.3         | 108.9        | GGGG                               |                     |                      | 135                   | 34                   |
| 11156E 3301N                            | 2411-02230        | 00000/0000 2-20021/1131                            | 03/03/76         | 10                  | 5722            | 39.7         | 132.2        | GGGG                               |                     |                      | 135                   | 34                   |
| 11155E 4136N                            | 2521-02235        | 00000/0000 2-20027/0500                            | 06/26/76         | 10                  | 7256            | 58.1         | 115.0        | GGGG                               |                     |                      | 134                   | 37                   |
| 11155E 3731N                            | 2718-02174        | 00000/0000 2-20031/1239                            | 01/09/77         | 20                  | 3               | 21.7         | 144.8        | GGGG                               |                     |                      | 134                   | 31                   |
| 11155E 3727N                            | 2430-02265        | 00000/0000 2-20027/0701                            | 03/27/76         | 100                 | 5987            | 44.0         | 131.5        | GGGG                               |                     |                      | 135                   | 34                   |
| 11155E 3725N                            | 2484-02252        | 00000/0000 2-20025/0716                            | 05/20/76         | 30                  | 6740            | 58.1         | 114.6        | FFGG                               |                     |                      | 135                   | 34                   |
| 11154E 4858N                            | 2577-02364        | 00000/0000 2-20032/0071                            | 08/21/76         | 10                  | 8037            | 45.8         | 136.2        | GGGG                               |                     |                      | 135                   | 34                   |
| 11154E 4142N                            | 2557-02275        | 00000/0000 2-20030/0398                            | 08/01/76         | 50                  | 7758            | 53.5         | 120.6        | GGGG                               |                     |                      | 138                   | 26                   |
| 11154E 3731N                            | 2592-02222        | 00000/0000 2-20032/0699                            | 09/05/76         | 40                  | 8246            | 47.7         | 128.4        | GGGG                               |                     |                      | 134                   | 31                   |
| 11154E 3302N                            | 2627-02165        | 00000/0000 2-20034/0759                            | 10/10/76         | 90                  | 8734            | 40.8         | 138.1        | GGGG                               |                     |                      | 135                   | 34                   |
| 11154E 2728N                            | 2464-02172        | 00000/0000 2-20024/0752                            | 04/30/76         | 20                  | 6461            | 56.8         | 105.7        | GGGG                               |                     |                      | 134                   | 37                   |
| 11154E 0418N                            | 2514-01594        | 00000/0000 2-20027/0004                            | 06/19/76         | 10                  | 7158            | 48.3         | 59.0         | GGGG                               |                     |                      | 133                   | 41                   |
| 11153E 5146N                            | 2470-02443        | 00000/0000 2-20024/1406                            | 05/06/76         | 0                   | 6545            | 49.1         | 139.9        | FFGG                               |                     |                      | 129                   | 57                   |
| 11153E 4848N                            | 2559-02371        | 00000/0000 2-20030/0697                            | 08/03/76         | 90                  | 7786            | 50.2         | 131.3        | GGGG                               |                     |                      | 139                   | 24                   |
| 11153E 4144N                            | 2611-02262        | 00000/0000 2-20032/1815                            | 09/24/76         | 60                  | 8511            | 40.1         | 140.0        | GGGG                               |                     |                      | 138                   | 26                   |
| 11153E 4135N                            | 2413-02315        | 00000/0000 2-20021/1392                            | 03/10/76         | 0                   | 5750            | 35.5         | 138.6        | GGGG                               |                     |                      | 136                   | 31                   |
| 11153E 3727N                            | 2682-02191        | 00000/0000 2-20036/1861                            | 12/04/76         | 80                  | 9501            | 23.6         | 148.9        | GGGG                               |                     |                      | 136                   | 31                   |
| 11153E 3724N                            | 2610-02215        | 00000/0000 2-20032/1680                            | 09/23/76         | 10                  | 8497            | 43.0         | 135.7        | GGGG                               |                     |                      | 135                   | 34                   |
| 11153E 3721N                            | 2520-02243        | 00000/0000 2-20028/0127                            | 06/25/76         | 10                  | 7242            | 58.9         | 107.3        | GGGG                               |                     |                      | 135                   | 34                   |
| 11152E 3721N                            | 2664-02200        | 00000/0000 2-20036/0754                            | 11/16/76         | 80                  | 9250            | 27.5         | 148.5        | GGGG                               |                     |                      | 135                   | 34                   |
| 11152E 2731N                            | 2446-02175        | 00000/0000 2-20023/0036                            | 04/12/76         | 100                 | 6210            | 52.9         | 114.1        | GGGG                               |                     |                      | 133                   | 41                   |
| 11151E 5435N                            | 2579-02462        | 00000/0000 2-20030/1719                            | 08/23/76         | 30                  | 8065            | 41.8         | 143.2        | GGGG                               |                     |                      | 140                   | 22                   |
| 11151E 4844N                            | 2541-02374        | 00000/0000 2-20028/1491                            | 07/16/76         | 10                  | 7535            | 53.6         | 128.1        | GGGG                               |                     |                      | 138                   | 26                   |
| 11150E 5430N                            | 2471-02492        | 00000/0000 2-20024/1703                            | 05/07/76         | 90                  | 6559            | 47.7         | 143.3        | FFFG                               |                     |                      | 140                   | 22                   |
| 11150E 4842N                            | 2505-02384        | 00000/0000 2-20026/1175                            | 06/10/76         | 10                  | 7033            | 56.0         | 128.9        | FFFG                               |                     |                      | 138                   | 26                   |
| 11149E 5430N                            | 2561-02465        | 00000/0000 2-20030/0815                            | 08/05/76         | 50                  | 7814            | 46.8         | 139.3        | GGGG                               |                     |                      | 140                   | 22                   |
| 11149E 2726N                            | 2428-02182        | 00000/0000 2-20022/0564                            | 03/25/76         | 100                 | 5959            | 47.8         | 121.4        | GGGG                               |                     |                      | 133                   | 41                   |
| 11148E 5145N                            | 2578-02413        | 00000/0000 2-20030/1688                            | 08/22/76         | 0                   | 8051            | 43.9         | 139.7        | GGGG                               |                     |                      | 139                   | 24                   |
| 11148E 4840N                            | 2523-02381        | 00000/0000 2-20028/0172                            | 06/28/76         | 90                  | 7284            | 55.7         | 127.2        | GGGG                               |                     |                      | 138                   | 26                   |
| 11148E 2728N                            | 2716-02091        | 00000/0000 2-20038/0758                            | 01/07/77         | 70                  | 9975            | 28.4         | 140.4        | GGGG                               |                     |                      | 133                   | 41                   |
| 11148E 2726N                            | 2698-02100        | 00000/0000 2-20037/1048                            | 12/20/76         | 80                  | 9724            | 28.9         | 143.0        | GGGG                               |                     |                      | 133                   | 41                   |
| 11148E 2144N                            | 2445-02134        | 00000/0000 2-20022/1656                            | 04/11/76         | 90                  | 6196            | 53.8         | 106.3        | GGGG                               |                     |                      | 132                   | 45                   |
| 11146E 2724N                            | 2680-02104        | 00000/0000 2-20036/0717                            | 12/02/76         | 40                  | 9473            | 31.3         | 144.0        | GGGG                               |                     |                      | 133                   | 41                   |
| 11146E 2722N                            | 2662-02113        | 00000/0000 2-20036/0945                            | 11/14/76         | 30                  | 9222            | 35.2         | 142.7        | GGGG                               |                     |                      | 133                   | 41                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR USN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11145E 5421N                            | 2507-02483        | 00000/0000                   | 2-20026/1361                | 06/12/76         | 40                  | 7061            | 53.3         | 137.7        | GGGG                               |                     |                      | 140                   | 22                   |
| 11145E 2144N                            | 2715-02051        | 00000/0000                   | 2-20038/0742                | 01/06/77         | 90                  | 9961            | 32.1         | 137.4        | GGGG                               |                     |                      | 132                   | 45                   |
| 11145E 2142N                            | 2697-02055        | 00000/0000                   | 2-20037/1038                | 12/15/76         | 50                  | 9710            | 32.9         | 140.1        | GGGG                               |                     |                      | 132                   | 45                   |
| 11145E 2140N                            | 2427-02142        | 00000/0000                   | 2-20022/0522                | 03/24/76         | 100                 | 5945            | 49.4         | 115.0        | GGGG                               |                     |                      | 132                   | 45                   |
| 11144E 5421N                            | 2543-02473        | 00000/0000                   | 2-20028/1692                | 07/18/76         | 30                  | 7563            | 50.6         | 136.7        | GGGG                               |                     |                      | 140                   | 22                   |
| 11144E 2722N                            | 2626-02125        | 00000/0000                   | 2-20034/0490                | 10/09/76         | 90                  | 8720            | 44.4         | 132.8        | GGGG                               |                     |                      | 133                   | 41                   |
| 11144E 2720N                            | 2644-02121        | 00000/0000                   | 2-20035/0021                | 10/27/76         | 90                  | 8971            | 39.8         | 139.0        | GGGG                               |                     |                      | 133                   | 41                   |
| 11143E 5419N                            | 2525-02480        | 00000/0000                   | 2-20028/0505                | 06/30/76         | 10                  | 7312            | 52.9         | 136.1        | GGGG                               |                     |                      | 140                   | 22                   |
| 11142E 2139N                            | 2679-02064        | 00000/0000                   | 2-20036/1652                | 12/01/76         | 40                  | 9459            | 35.4         | 140.7        | GGGG                               |                     |                      | 132                   | 45                   |
| 11142E 2138N                            | 2651-02072        | 00000/0000                   | 2-20036/0418                | 11/13/76         | 30                  | 9208            | 39.2         | 138.8        | GGGG                               |                     |                      | 132                   | 45                   |
| 11142E 2135N                            | 2409-02145        | 00000/0000                   | 2-20021/1267                | 03/06/76         | 80                  | 5694            | 44.4         | 122.4        | GFFG                               |                     |                      | 132                   | 45                   |
| 11141E 5131N                            | 2506-02433        | 00000/0000                   | 2-20026/1667                | 06/11/76         | 30                  | 7047            | 54.7         | 133.3        | GGGG                               |                     |                      | 139                   | 24                   |
| 11141E 3149N                            | 2465-02214        | 00000/0000                   | 2-20024/1049                | 05/01/76         | 100                 | 6475            | 56.3         | 112.3        | GGGF                               |                     |                      | 133                   | 38                   |
| 11141E 2136N                            | 2643-02081        | 00000/0000                   | 2-20035/0176                | 10/26/76         | 80                  | 8957            | 43.5         | 134.1        | FGGG                               |                     |                      | 132                   | 45                   |
| 11139E 5128N                            | 2524-02431        | 00000/0000                   | 2-20028/0359                | 06/29/76         | 10                  | 7298            | 54.4         | 131.7        | GGGG                               |                     |                      | 139                   | 24                   |
| 11139E 3147N                            | 2447-02221        | 00000/0000                   | 2-20023/0070                | 04/13/76         | 10                  | 6224            | 52.0         | 119.6        | GGGG                               |                     |                      | 134                   | 38                   |
| 11139E 2135N                            | 2373-02155        | 00000/0000                   | 2-20020/0598                | 01/30/76         | 90                  | 5192            | 36.0         | 134.1        | GGGG                               |                     |                      | 132                   | 45                   |
| 11138E 2132N                            | 2391-02152        | 00000/0000                   | 2-20020/1469                | 02/17/76         | 90                  | 5443            | 39.6         | 128.7        | GGFG                               |                     |                      | 132                   | 45                   |
| 11137E 3147N                            | 2717-02134        | 00000/0000                   | 2-20038/1027                | 01/08/77         | 30                  | 9989            | 25.6         | 142.3        | GGGG                               |                     |                      | 134                   | 38                   |
| 11136E 3145N                            | 2429-02225        | 00000/0000                   | 2-20022/0659                | 03/26/76         | 80                  | 5973            | 46.4         | 125.8        | GGGG                               |                     |                      | 134                   | 38                   |
| 11134E 3144N                            | 2681-02151        | 00000/0000                   | 2-20037/0600                | 12/03/76         | 60                  | 9487            | 28.0         | 146.2        | GGGG                               |                     |                      | 134                   | 38                   |
| 11134E 0252N                            | 2514-02001        | 00000/0000                   | 2-20027/0005                | 06/19/76         | 40                  | 7158            | 47.4         | 57.8         | FGGG                               |                     |                      | 129                   | 58                   |
| 11133E 3606N                            | 2466-02261        | 00000/0000                   | 2-20024/1085                | 05/02/76         | 30                  | 6489            | 55.4         | 118.7        | GGGG                               |                     |                      | 135                   | 35                   |
| 11133E 3140N                            | 2663-02155        | 00000/0000                   | 2-20036/0618                | 11/15/76         | 100                 | 9236            | 31.9         | 145.4        | GGG                                |                     |                      | 134                   | 38                   |
| 11132E 4024N                            | 2467-02304        | 00000/0000                   | 2-20024/1230                | 05/03/76         | 10                  | 6503            | 54.1         | 124.9        | GGGG                               |                     |                      | 136                   | 32                   |
| 11132E 3137N                            | 2645-02164        | 00000/0000                   | 2-20035/0048                | 10/28/76         | 0                   | 8985            | 36.7         | 142.3        | FGGG                               |                     |                      | 134                   | 38                   |
| 11131E 3608N                            | 2448-02264        | 00000/0000                   | 2-20023/0132                | 04/14/76         | 0                   | 6238            | 50.7         | 124.9        | GGGG                               |                     |                      | 135                   | 35                   |
| 11131E 3139N                            | 2609-02175        | 00000/0000                   | 2-20032/1638                | 09/22/76         | 80                  | 8483            | 46.4         | 129.6        | GGG                                |                     |                      | 134                   | 38                   |
| 11131E 3135N                            | 2411-02232        | 00000/0000                   | 2-20021/1132                | 03/08/76         | 70                  | 5722            | 40.4         | 131.0        | GGGG                               |                     |                      | 134                   | 38                   |
| 11131E 2601N                            | 2464-02174        | 00000/0000                   | 2-20024/0753                | 04/30/76         | 40                  | 6461            | 56.9         | 103.3        | GGGG                               |                     |                      | 133                   | 42                   |
| 11130E 3603N                            | 2556-02235        | 00000/0000                   | 2-20030/0367                | 07/31/76         | 90                  | 7744            | 55.1         | 111.5        | GGGG                               |                     |                      | 135                   | 35                   |
| 11129E 4026N                            | 2575-02274        | 00000/0000                   | 2-20030/1549                | 08/19/76         | 50                  | 8009            | 50.4         | 125.0        | GGGG                               |                     |                      | 136                   | 32                   |
| 11129E 4014N                            | 2503-02295        | 00000/0000                   | 2-20026/0742                | 06/08/76         | 80                  | 7005            | 58.8         | 114.5        | FGGG                               |                     |                      | 136                   | 32                   |
| 11129E 3559N                            | 2538-02242        | 00000/0000                   | 2-20028/1249                | 07/13/76         | 10                  | 7493            | 57.4         | 106.4        | GGGG                               |                     |                      | 135                   | 35                   |
| 11129E 3558N                            | 2502-02252        | 00000/0000                   | 2-20027/0212                | 06/07/76         | 90                  | 6991            | 59.5         | 106.8        | GGGG                               |                     |                      | 135                   | 35                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN. H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING

PAGE 0783

FOR NON-US

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11129E 2605N                            | 2446-02181        | 00000/0000                   | 2-20023/0037                | 04/12/76         | 90                  | 6210            | 53.3         | 112.1        | FGFG                               |                     |                      | 133                   | 42                   |
| 11128E 3602N                            | 2430-02272        | 00000/0000                   | 2-20022/0702                | 03/27/76         | 100                 | 5987            | 44.8         | 130.0        | FFGG                               |                     |                      | 135                   | 35                   |
| 11128E 3559N                            | 2484-02254        | 00000/0000                   | 2-20025/0717                | 05/20/76         | 10                  | 6740            | 58.4         | 112.1        | GGGG                               |                     |                      | 135                   | 35                   |
| 11127E 4023N                            | 2719-02223        | 00000/0000                   | 2-20038/1211                | 01/10/77         | 50                  | 17              | 19.7         | 145.9        | GGGG                               |                     |                      | 136                   | 32                   |
| 11127E 4022N                            | 2593-02271        | 00000/0000                   | 2-20032/0825                | 09/06/76         | 90                  | 8260            | 46.0         | 132.0        | GGGG                               |                     |                      | 136                   | 32                   |
| 11127E 4020N                            | 2431-02314        | 00000/0000                   | 2-20022/0734                | 03/28/76         | 100                 | 6001            | 42.9         | 134.1        | GGFG                               |                     |                      | 136                   | 32                   |
| 11127E 3605N                            | 2592-02225        | 00000/0000                   | 2-20032/0700                | 09/05/76         | 20                  | 8246            | 48.3         | 126.7        | GGGG                               |                     |                      | 135                   | 35                   |
| 11127E 3605N                            | 2718-02181        | 00000/0000                   | 2-20038/1240                | 01/09/77         | 0                   | 3               | 22.7         | 144.2        | GGGG                               |                     |                      | 135                   | 35                   |
| 11126E 4016N                            | 2485-02301        | 00000/0000                   | 2-20025/0980                | 05/21/76         | 0                   | 6754            | 57.5         | 119.2        | FGGG                               |                     |                      | 136                   | 32                   |
| 11126E 4014N                            | 2539-02285        | 00000/0000                   | 2-20028/1287                | 07/14/76         | 70                  | 7507            | 56.7         | 113.9        | GGGG                               |                     |                      | 136                   | 32                   |
| 11126E 3556N                            | 2520-02245        | 00000/0000                   | 2-20028/0128                | 06/25/76         | 20                  | 7242            | 59.0         | 104.7        | GGGG                               |                     |                      | 135                   | 35                   |
| 11126E 2600N                            | 2428-02185        | 00000/0000                   | 2-20022/0617                | 03/25/76         | 100                 | 5959            | 48.3         | 119.7        | FFFG                               |                     |                      | 133                   | 42                   |
| 11125E 4017N                            | 2683-02240        | 00000/0000                   | 2-20037/0075                | 12/05/76         | 80                  | 9515            | 21.3         | 150.1        | GFGE                               |                     |                      | 136                   | 32                   |
| 11125E 4011N                            | 2521-02292        | 00000/0000                   | 2-20027/0501                | 06/26/76         | 0                   | 7256            | 58.4         | 112.4        | GGGG                               |                     |                      | 136                   | 32                   |
| 11125E 3601N                            | 2682-02194        | 00000/0000                   | 2-20036/1862                | 12/04/76         | 90                  | 9501            | 24.7         | 148.2        | GGFG                               |                     |                      | 135                   | 35                   |
| 11125E 3557N                            | 2610-02222        | 00000/0000                   | 2-20032/1681                | 09/23/76         | 10                  | 8497            | 43.8         | 134.4        | GGGG                               |                     |                      | 135                   | 35                   |
| 11125E 3555N                            | 2664-02202        | 00000/0000                   | 2-20036/0755                | 11/16/76         | 80                  | 9250            | 28.5         | 147.8        | GGGG                               |                     |                      | 135                   | 35                   |
| 11125E 2602N                            | 2716-02094        | 00000/0000                   | 2-20038/0759                | 01/07/77         | 90                  | 9975            | 29.4         | 139.6        | GGGG                               |                     |                      | 133                   | 42                   |
| 11125E 2600N                            | 2698-02102        | 00000/0000                   | 2-20037/1049                | 12/20/76         | 100                 | 9724            | 29.9         | 142.3        | GGGG                               |                     |                      | 133                   | 42                   |
| 11124E 4018N                            | 2611-02264        | 00000/0000                   | 2-20032/1816                | 09/24/76         | 70                  | 8511            | 41.0         | 138.7        | GGGG                               |                     |                      | 136                   | 32                   |
| 11124E 4017N                            | 2557-02282        | 00000/0000                   | 2-20030/0399                | 08/01/76         | 90                  | 7758            | 53.9         | 118.4        | GGGG                               |                     |                      | 136                   | 32                   |
| 11123E 4012N                            | 2665-02245        | 00000/0000                   | 2-20036/0856                | 11/17/76         | 10                  | 9264            | 25.1         | 150.0        | GGGG                               |                     |                      | 136                   | 32                   |
| 11123E 4010N                            | 2413-02322        | 00000/0000                   | 2-20021/1393                | 03/10/76         | 40                  | 5750            | 36.3         | 137.5        | GGGG                               |                     |                      | 136                   | 32                   |
| 11123E 3555N                            | 2646-02210        | 00000/0000                   | 2-20035/0255                | 10/29/76         | 0                   | 8999            | 33.4         | 145.3        | GGGG                               |                     |                      | 135                   | 35                   |
| 11123E 2558N                            | 2680-02111        | 00000/0000                   | 2-20036/0718                | 12/02/76         | 70                  | 9473            | 32.3         | 143.2        | GGGG                               |                     |                      | 133                   | 42                   |
| 11123E 2556N                            | 2662-02115        | 00000/0000                   | 2-20036/0946                | 11/14/76         | 30                  | 9222            | 36.2         | 141.8        | GGGG                               |                     |                      | 133                   | 42                   |
| 11122E 4012N                            | 2647-02253        | 00000/0000                   | 2-20035/0417                | 10/30/76         | 0                   | 9013            | 30.0         | 148.1        | GGGG                               |                     |                      | 136                   | 32                   |
| 11121E 4013N                            | 2629-02261        | 00000/0000                   | 2-20034/0616                | 10/12/76         | 30                  | 8762            | 35.6         | 144.2        | F                                  |                     |                      | 136                   | 32                   |
| 11121E 2555N                            | 2626-02131        | 00000/0000                   | 2-20034/0491                | 10/09/76         | 100                 | 8720            | 45.2         | 131.4        | GGGG                               |                     |                      | 133                   | 42                   |
| 11121E 2554N                            | 2644-02123        | 00000/0000                   | 2-20035/0022                | 10/27/76         | 90                  | 8971            | 40.7         | 137.9        | GGGG                               |                     |                      | 133                   | 42                   |
| 11117E 3023N                            | 2465-02221        | 00000/0000                   | 2-20024/1050                | 05/01/76         | 100                 | 6475            | 56.6         | 110.0        | GGGG                               |                     |                      | 134                   | 39                   |
| 11115E 5557N                            | 2472-02544        | 00000/0000                   | 2-20024/1808                | 05/08/76         | 80                  | 6573            | 47.1         | 145.1        | GGGG                               |                     |                      | 141                   | 21                   |
| 11115E 0126N                            | 2514-02003        | 00000/0000                   | 2-20027/0006                | 06/19/76         | 30                  | 7158            | 46.4         | 56.6         | GGGG                               |                     |                      | 129                   | 59                   |
| 11114E 3021N                            | 2447-02224        | 00000/0000                   | 2-20023/0071                | 04/13/76         | 10                  | 6224            | 52.4         | 117.6        | GGGG                               |                     |                      | 131                   | 39                   |
| 11112E 5022N                            | 2470-02445        | 00000/0000                   | 2-20024/1407                | 05/06/76         | 10                  | 6545            | 50.0         | 138.1        | GGGG                               |                     |                      | 129                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING

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FOR NBN-US  
FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11112E 3021N                            | 2717-02140        | 00000/0000                   | 2-20038/1028                | 01/08/77         | 10                  | 9989            | 26.6         | 141.6        |                                    |                     |                      |                       |                      |
| 11111E 3020N                            | 2429-02231        | 00000/0000                   | 2-20027/0660                | 03/26/76         | 100                 | 5973            | 47.0         | 124.2        | FGGF                               |                     |                      | 134                   | 39                   |
| 11109E 3017N                            | 2681-02153        | 00000/0000                   | 2-20037/0601                | 12/03/76         | 90                  | 9487            | 29.1         | 145.5        | GGG                                |                     |                      | 134                   | 39                   |
| 11109E 3014N                            | 2663-02162        | 00000/0000                   | 2-20036/0619                | 11/15/76         | 100                 | 9236            | 32.9         | 144.6        | GGGG                               |                     |                      | 134                   | 39                   |
| 11108E 5020N                            | 2578-02420        | 00000/0000                   | 2-20030/1689                | 08/22/76         | 10                  | 8031            | 44.7         | 138.1        | GGGG                               |                     |                      | 134                   | 39                   |
| 11108E 2435N                            | 2464-02181        | 00000/0000                   | 2-20024/0754                | 04/30/76         | 80                  | 6461            | 57.0         | 100.9        | GGGG                               |                     |                      | 139                   | 25                   |
| 11107E 3440N                            | 2466-02264        | 00000/0000                   | 2-20024/1036                | 05/02/76         | 60                  | 6489            | 55.8         | 126.4        | GGGG                               |                     |                      | 133                   | 43                   |
| 11107E 3011N                            | 2645-02170        | 00000/0000                   | 2-20035/0049                | 10/28/76         | 40                  | 8985            | 37.7         | 141.3        | GGGG                               |                     |                      | 135                   | 36                   |
| 11106E 5311N                            | 2579-02465        | 00000/0000                   | 2-20030/1720                | 08/23/76         | 10                  | 8065            | 42.7         | 141.6        | GGGG                               |                     |                      | 134                   | 39                   |
| 11106E 3013N                            | 2609-02181        | 00000/0000                   | 2-20037/1611                | 09/22/76         | 30                  | 8483            | 47.1         | 128.1        | G                                  |                     |                      | 140                   | 23                   |
| 11106E 3010N                            | 2411-02235        | 00000/0000                   | 2-20021/1133                | 03/08/76         | 90                  | 5722            | 41.1         | 129.7        | GGGG                               |                     |                      | 134                   | 39                   |
| 11106E 2438N                            | 2446-02184        | 00000/0000                   | 2-20023/0038                | 04/12/76         | 90                  | 6210            | 53.6         | 110.0        | GGGG                               |                     |                      | 134                   | 39                   |
| 11105E 5543N                            | 2508-02534        | 00000/0000                   | 2-20026/1388                | 06/13/76         | 80                  | 7075            | 52.5         | 139.7        | GGGG                               |                     |                      | 133                   | 43                   |
| 11105E 5306N                            | 2471-02434        | 00000/0000                   | 2-20024/1704                | 05/07/76         | 90                  | 6559            | 48.6         | 141.5        | GGGG                               |                     |                      | 141                   | 21                   |
| 11105E 5306N                            | 2561-02472        | 00000/0000                   | 2-20030/0816                | 08/05/76         | 80                  | 7814            | 47.6         | 137.5        | FFFF                               |                     |                      | 140                   | 23                   |
| 11104E 5545N                            | 2544-02524        | 00000/0000                   | 2-20028/1897                | 07/19/76         | 90                  | 7577            | 49.6         | 138.9        | GGGG                               |                     |                      | 140                   | 23                   |
| 11104E 5543N                            | 2526-02532        | 00000/0000                   | 2-20028/0405                | 07/01/76         | 10                  | 7326            | 52.0         | 138.3        | GGGG                               |                     |                      | 141                   | 21                   |
| 11104E 3442N                            | 2448-02271        | 00000/0000                   | 2-20023/0137                | 04/14/76         | 0                   | 6238            | 51.2         | 123.1        | GGGG                               |                     |                      | 141                   | 21                   |
| 11103E 3858N                            | 2467-02310        | 00000/0000                   | 2-20024/1231                | 05/03/76         | 0                   | 6503            | 54.7         | 122.8        | GGGG                               |                     |                      | 135                   | 36                   |
| 11103E 3439N                            | 2574-02234        | 00000/0000                   | 2-20030/1489                | 08/18/76         | 60                  | 7995            | 52.5         | 116.7        | GGGG                               |                     |                      | 136                   | 33                   |
| 11103E 3438N                            | 2556-02241        | 00000/0000                   | 2-20030/0368                | 07/31/76         | 80                  | 7744            | 55.4         | 109.2        | GGGG                               |                     |                      | 135                   | 36                   |
| 11103E 3432N                            | 2502-02254        | 00000/0000                   | 2-20027/0213                | 06/07/76         | 90                  | 6991            | 59.6         | 104.2        | GGGG                               |                     |                      | 135                   | 36                   |
| 11103E 2433N                            | 2428-02191        | 00000/0000                   | 2-20027/0618                | 03/25/76         | 100                 | 5959            | 48.8         | 118.0        | FFFF                               |                     |                      | 133                   | 43                   |
| 11103E 2433N                            | 2698-02105        | 00000/0000                   | 2-20037/1050                | 12/20/76         | 90                  | 9724            | 30.9         | 141.5        | GGGG                               |                     |                      | 133                   | 43                   |
| 11102E 3901N                            | 2449-02313        | 00000/0000                   | 2-20023/0182                | 04/15/76         | 0                   | 6252            | 49.7         | 128.3        | GGGG                               |                     |                      | 133                   | 43                   |
| 11102E 3434N                            | 2484-02261        | 00000/0000                   | 2-20025/0718                | 05/20/76         | 50                  | 6740            | 58.7         | 109.5        | GGGG                               |                     |                      | 135                   | 36                   |
| 11102E 3433N                            | 2538-02244        | 00000/0000                   | 2-20028/1250                | 07/13/76         | 10                  | 7493            | 57.5         | 104.0        | GGGG                               |                     |                      | 135                   | 36                   |
| 11102E 2437N                            | 2716-02100        | 00000/0000                   | 2-20038/0760                | 01/07/77         | 90                  | 9975            | 30.3         | 138.9        | GGGG                               |                     |                      | 133                   | 43                   |
| 11101E 5006N                            | 2506-02440        | 00000/0000                   | 2-20026/1668                | 06/11/76         | 30                  | 7047            | 55.4         | 131.1        | GGGG                               |                     |                      | 139                   | 25                   |
| 11101E 3439N                            | 2718-02183        | 00000/0000                   | 2-20038/1241                | 01/09/77         | 50                  | 3               | 23.7         | 143.5        | GGGG                               |                     |                      | 135                   | 36                   |
| 11101E 3436N                            | 2430-02274        | 00000/0000                   | 2-20022/0703                | 03/27/76         | 90                  | 5987            | 45.5         | 128.5        | GGGG                               |                     |                      | 133                   | 43                   |
| 11101E 2430N                            | 2662-02122        | 00000/0000                   | 2-20036/0947                | 11/14/76         | 90                  | 9222            | 37.1         | 140.9        | GGGG                               |                     |                      | 140                   | 23                   |
| 11100E 5258N                            | 2507-02485        | 00000/0000                   | 2-20026/1362                | 06/12/76         | 50                  | 7061            | 54.0         | 135.5        | GGGG                               |                     |                      | 139                   | 25                   |
| 11100E 5003N                            | 2524-02433        | 00000/0000                   | 2-20028/0360                | 06/29/76         | 10                  | 7298            | 55.0         | 129.4        | GGGG                               |                     |                      | 134                   | 33                   |
| 11100E 3900N                            | 2575-02281        | 00000/0000                   | 2-20030/1550                | 08/19/76         | 90                  | 8009            | 50.9         | 123.1        | GGGG                               |                     |                      |                       |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11100E 3848N                            | 2503-02301        | 00000/0000                   | 2-20026/0743                | 06/08/76         | 30                  | 7005            | 59.1         | 111.9        | F000                               |                     |                      | 136                   | 33                   |
| 11100E 3439N                            | 2592-02231        | 00000/0000                   | 2-20032/0701                | 09/05/76         | 30                  | 8246            | 48.9         | 125.0        | G000                               |                     |                      | 135                   | 36                   |
| 11100E 3431N                            | 2520-02252        | 00000/0000                   | 2-20028/0129                | 06/25/76         | 30                  | 7242            | 59.0         | 102.0        | Q000                               |                     |                      | 135                   | 36                   |
| 11100E 2431N                            | 2680-02113        | 00000/0000                   | 2-20036/0719                | 12/02/76         | 30                  | 9473            | 33.3         | 142.4        | G000                               |                     |                      | 133                   | 43                   |
| 11059E 5257N                            | 2543-02475        | 00000/0000                   | 2-20028/1693                | 07/18/76         | 20                  | 7563            | 51.3         | 134.7        | G000                               |                     |                      | 140                   | 23                   |
| 11059E 3435N                            | 2682-02200        | 00000/0000                   | 2-20036/1863                | 12/04/76         | 90                  | 9501            | 25.8         | 147.5        | GFFG                               |                     |                      | 135                   | 36                   |
| 11058E 5255N                            | 2525-02482        | 00000/0000                   | 2-20028/0506                | 06/30/76         | 10                  | 7312            | 53.6         | 133.9        | G000                               |                     |                      | 140                   | 23                   |
| 11058E 3855N                            | 2431-02321        | 00000/0000                   | 2-20022/0735                | 03/28/76         | 90                  | 6001            | 43.6         | 132.7        | G000                               |                     |                      | 136                   | 33                   |
| 11058E 3432N                            | 2610-02224        | 00000/0000                   | 2-20032/1682                | 09/23/76         | 20                  | 8497            | 44.6         | 133.0        | G000                               |                     |                      | 135                   | 36                   |
| 11058E 3430N                            | 2664-02205        | 00000/0000                   | 2-20036/0756                | 11/16/76         | 100                 | 9250            | 29.6         | 147.0        | G00F                               |                     |                      | 135                   | 36                   |
| 11058E 2428N                            | 2644-02130        | 00000/0000                   | 2-20035/0023                | 10/27/76         | 90                  | 8971            | 41.6         | 136.8        | G000                               |                     |                      | 133                   | 43                   |
| 11057E 3858N                            | 2719-02230        | 00000/0000                   | 2-20038/1212                | 01/10/77         | 30                  | 17              | 20.8         | 145.3        | G000                               |                     |                      | 136                   | 33                   |
| 11057E 3856N                            | 2593-02274        | 00000/0000                   | 2-20032/0826                | 09/05/76         | 100                 | 8260            | 46.8         | 130.4        | G000                               |                     |                      | 136                   | 33                   |
| 11057E 3851N                            | 2485-02304        | 00000/0000                   | 2-20025/0981                | 05/21/76         | 0                   | 6754            | 57.9         | 116.7        | G000                               |                     |                      | 136                   | 33                   |
| 11057E 3848N                            | 2539-02291        | 00000/0000                   | 2-20028/1288                | 07/14/76         | 90                  | 7507            | 56.9         | 111.5        | G000                               |                     |                      | 136                   | 33                   |
| 11056E 3852N                            | 2557-02284        | 00000/0000                   | 2-20030/0400                | 08/01/76         | 100                 | 7758            | 54.3         | 116.3        | GFFG                               |                     |                      | 136                   | 33                   |
| 11056E 3852N                            | 2683-02243        | 00000/0000                   | 2-20037/0076                | 12/05/76         | 90                  | 9515            | 22.4         | 149.5        | G000                               |                     |                      | 136                   | 33                   |
| 11056E 3846N                            | 2521-02294        | 00000/0000                   | 2-20027/0502                | 06/26/76         | 0                   | 7256            | 58.6         | 109.8        | G000                               |                     |                      | 136                   | 33                   |
| 11056E 3429N                            | 2646-02213        | 00000/0000                   | 2-20035/0256                | 10/29/76         | 0                   | 8939            | 34.4         | 144.4        | G000                               |                     |                      | 135                   | 36                   |
| 11055E 3852N                            | 2611-02271        | 00000/0000                   | 2-20032/1817                | 09/24/76         | 90                  | 8511            | 41.9         | 137.4        | G000                               |                     |                      | 136                   | 33                   |
| 11055E 0000N                            | 2514-02010        | 00000/0000                   | 2-20027/0007                | 06/19/76         | 10                  | 7158            | 45.4         | 55.5         | G000                               |                     |                      | 129                   | 60                   |
| 11054E 3846N                            | 2665-02251        | 00000/0000                   | 2-20036/0857                | 11/17/76         | 0                   | 9264            | 26.2         | 149.3        | G000                               |                     |                      | 136                   | 3                    |
| 11053E 3845N                            | 2413-02324        | 00000/0000                   | 2-20021/1394                | 03/10/76         | 80                  | 5750            | 37.2         | 136.4        | F000                               |                     |                      | 136                   | 73                   |
| 11052E 3847N                            | 2629-02263        | 00000/0000                   | 2-20034/0617                | 10/12/76         | 10                  | 8762            | 36.5         | 143.2        | G000                               |                     |                      | 136                   | 33                   |
| 11052E 3847N                            | 2647-02255        | 00000/0000                   | 2-20035/0418                | 10/30/76         | 0                   | 9013            | 31.1         | 147.3        | G000                               |                     |                      | 136                   | 33                   |
| 11052E 2857N                            | 2465-02223        | 00000/0000                   | 2-20024/1051                | 05/01/76         | 100                 | 6475            | 56.8         | 107.6        | G000                               |                     |                      | 134                   | 40                   |
| 11050E 2855N                            | 2447-02230        | 00000/0000                   | 2-20023/0072                | 04/13/76         | 20                  | 6224            | 52.8         | 115.6        | G000                               |                     |                      | 134                   | 40                   |
| 11047E 2855N                            | 2717-02143        | 00000/0000                   | 2-20036/1029                | 01/08/77         | 0                   | 9989            | 27.5         | 140.9        | G000                               |                     |                      | 134                   | 40                   |
| 11047E 2853N                            | 2429-02234        | 00000/0000                   | 2-20022/0661                | 03/26/76         | 100                 | 5973            | 47.6         | 122.6        | G00                                |                     |                      | 134                   | 40                   |
| 11046E 2851N                            | 2681-02160        | 00000/0000                   | 2-20037/0602                | 12/03/76         | 90                  | 9487            | 30.1         | 144.7        | G000                               |                     |                      | 134                   | 40                   |
| 11045E 2848N                            | 2663-02164        | 00000/0000                   | 2-20036/0620                | 11/15/76         | 100                 | 9236            | 33.9         | 143.7        | G000                               |                     |                      | 134                   | 40                   |
| 11044E 2312N                            | 2446-02190        | 00000/0000                   | 2-20023/0039                | 04/12/76         | 90                  | 6210            | 53.8         | 107.9        | G000                               |                     |                      | 133                   | 44                   |
| 11042E 2845N                            | 2411-02241        | 00000/0000                   | 2-20021/1134                | 03/08/76         | 100                 | 5722            | 41.8         | 128.4        | G000                               |                     |                      | 134                   | 40                   |
| 11042E 2845N                            | 2645-02173        | 00000/0000                   | 2-20035/0050                | 10/28/76         | 90                  | 8985            | 38.6         | 140.3        | G000                               |                     |                      | 134                   | 40                   |
| 11041E 3314N                            | 2466-02270        | 00000/0000                   | 2-20024/1087                | 05/02/76         | 90                  | 6489            | 56.2         | 114.2        | F000                               |                     |                      | 135                   | 37                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR USN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11040E 2310N                            | 2716-02103        | 00000/0000                   | 2-20038/0761                | 01/07/77         | 100                 | 9975            | 31.2         | 138.1        | GGGG                               |                     |                      | 133                   | 44                   |
| 11040E 2308N                            | 2428-02194        | 00000/0000                   | 2-20022/0619                | 03/25/76         | 100                 | 5959            | 49.2         | 116.3        | FFGF                               |                     |                      | 133                   | 44                   |
| 11040E 2307N                            | 2698-02111        | 00000/0000                   | 2-20037/1051                | 12/20/76         | 70                  | 9724            | 31.8         | 140.8        | GGGG                               |                     |                      | 133                   | 44                   |
| 11038E 3315N                            | 2448-02273        | 00000/0000                   | 2-20023/0134                | 04/14/76         | 0                   | 6238            | 51.8         | 121.2        | GGGG                               |                     |                      | 133                   | 37                   |
| 11038E 2305N                            | 2680-02120        | 00000/0000                   | 2-20036/0720                | 12/02/76         | 30                  | 9473            | 34.3         | 141.5        | GGGG                               |                     |                      | 133                   | 44                   |
| 11038E 2303N                            | 2410-02201        | 00000/0000                   | 2-20021/1325                | 03/07/76         | 90                  | 5708            | 44.1         | 123.4        | GGGG                               |                     |                      | 133                   | 44                   |
| 11038E 2303N                            | 2662-02124        | 00000/0000                   | 2-20036/0948                | 11/14/76         | 90                  | 9222            | 38.1         | 139.9        | GGGG                               |                     |                      | 133                   | 44                   |
| 11036E 3306N                            | 2502-02261        | 00000/0000                   | 2-20027/0214                | 06/07/76         | 90                  | 6991            | 59.6         | 101.5        | GGGG                               |                     |                      | 133                   | 44                   |
| 11036E 2302N                            | 2374-02210        | 00000/0000                   | 2-20020/0563                | 01/31/76         | 100                 | 5206            | 35.3         | 134.8        | GFGG                               |                     |                      | 133                   | 44                   |
| 11035E 4151N                            | 2450-02363        | 00000/0000                   | 2-20024/0006                | 04/16/76         | 30                  | 6266            | 48.7         | 131.5        | GGGG                               |                     |                      | 137                   | 31                   |
| 11035E 4150N                            | 2468-02360        | 00000/0000                   | 2-20024/1320                | 05/04/76         | 60                  | 6517            | 53.8         | 126.7        | G GG                               |                     |                      | 137                   | 31                   |
| 11035E 3733N                            | 2467-02313        | 00000/0000                   | 2-20024/1232                | 05/03/76         | 0                   | 6503            | 55.2         | 120.6        | GGGG                               |                     |                      | 136                   | 34                   |
| 11035E 3309N                            | 2430-02281        | 00000/0000                   | 2-20025/0704                | 03/27/76         | 90                  | 5987            | 46.1         | 127.0        | FGGG                               |                     |                      | 135                   | 37                   |
| 11035E 2302N                            | 2644-02132        | 00000/0000                   | 2-20035/0024                | 10/27/76         | 90                  | 8971            | 42.5         | 135.6        | GGGG                               |                     |                      | 133                   | 44                   |
| 11035E 2258N                            | 2392-02204        | 00000/0000                   | 2-20020/1653                | 02/18/76         | 100                 | 5457            | 39.2         | 129.5        | GGGG                               |                     |                      | 133                   | 44                   |
| 11035E 0126S                            | 2514-02017        | 00000/0000                   | 2-20027/0008                | 06/19/76         | 20                  | 7158            | 44.4         | 54.5         | GGGG                               |                     |                      | 129                   | 61                   |
| 11034E 3735N                            | 2449-02320        | 00000/0000                   | 2-20023/0183                | 04/15/76         | 10                  | 6252            | 50.4         | 126.5        | GGGG                               |                     |                      | 136                   | 34                   |
| 11034E 3313N                            | 2718-02190        | 00000/0000                   | 2-20038/1242                | 01/09/77         | 80                  | 3               | 24.7         | 142.8        | GFGG                               |                     |                      | 135                   | 37                   |
| 11033E 4148N                            | 2576-02330        | 00000/0000                   | 2-20030/1524                | 08/20/76         | 80                  | 8023            | 49.6         | 127.2        | FGFG                               |                     |                      | 137                   | 31                   |
| 11033E 3309N                            | 2682-02203        | 00000/0000                   | 2-20036/1864                | 12/04/76         | 90                  | 9501            | 26.8         | 146.9        | GGGG                               |                     |                      | 135                   | 37                   |
| 11032E 4147N                            | 2432-02370        | 00000/0000                   | 2-20027/0898                | 03/29/76         | 50                  | 6015            | 42.4         | 135.3        | GGGG                               |                     |                      | 137                   | 31                   |
| 11032E 3723N                            | 2503-02304        | 00000/0000                   | 2-20026/0744                | 06/08/76         | 10                  | 7005            | 59.3         | 109.2        | GGGG                               |                     |                      | 136                   | 34                   |
| 11032E 3307N                            | 2610-02231        | 00000/0000                   | 2-20032/1683                | 09/23/76         | 30                  | 8497            | 45.4         | 131.5        | GGGG                               |                     |                      | 135                   | 37                   |
| 11032E 3304N                            | 2664-02211        | 00000/0000                   | 2-20036/0757                | 11/16/76         | 100                 | 9250            | 30.6         | 146.3        | GGGF                               |                     |                      | 135                   | 37                   |
| 11031E 4140N                            | 2486-02353        | 00000/0000                   | 2-20025/0857                | 05/22/76         | 40                  | 6768            | 57.1         | 121.3        | GGGF                               |                     |                      | 137                   | 31                   |
| 11031E 4140N                            | 2540-02340        | 00000/0000                   | 2-20028/1440                | 07/15/76         | 70                  | 7521            | 56.2         | 116.5        | GGGG                               |                     |                      | 137                   | 31                   |
| 11031E 3733N                            | 2575-02283        | 00000/0000                   | 2-20030/1551                | 08/19/76         | 100                 | 8009            | 51.4         | 121.1        | FFFF                               |                     |                      | 136                   | 34                   |
| 11030E 4146N                            | 2558-02333        | 00000/0000                   | 2-20030/0530                | 08/02/76         | 60                  | 7772            | 53.3         | 120.9        | GGGG                               |                     |                      | 137                   | 31                   |
| 11030E 4136N                            | 2504-02350        | 00000/0000                   | 2-20026/1072                | 06/09/76         | 10                  | 7019            | 58.5         | 116.9        | GGGG                               |                     |                      | 137                   | 31                   |
| 11030E 3729N                            | 2431-02323        | 00000/0000                   | 2-20027/0736                | 03/28/76         | 90                  | 6001            | 44.4         | 131.3        | GGGG                               |                     |                      | 136                   | 34                   |
| 11030E 3722N                            | 2539-02294        | 00000/0000                   | 2-20028/1289                | 07/14/76         | 90                  | 7507            | 57.2         | 109.1        | GGGG                               |                     |                      | 136                   | 34                   |
| 11029E 3732N                            | 2719-02232        | 00000/0000                   | 2-20038/1213                | 01/10/77         | 80                  | 17              | 21.8         | 144.6        | GGGG                               |                     |                      | 136                   | 34                   |
| 11029E 3730N                            | 2593-02280        | 00000/0000                   | 2-20032/0827                | 09/06/76         | 100                 | 8260            | 47.4         | 128.8        | GGGG                               |                     |                      | 136                   | 34                   |
| 11029E 3727N                            | 2557-02291        | 00000/0000                   | 2-20030/0401                | 08/01/76         | 90                  | 7758            | 54.7         | 114.0        | GGGF                               |                     |                      | 136                   | 34                   |
| 11029E 3725N                            | 2485-02310        | 00000/0000                   | 2-20025/0982                | 05/21/76         | 10                  | 6754            | 58.2         | 114.2        | GGGG                               |                     |                      | 136                   | 34                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL No./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11029E 3303N                            | 2646-02215        | 00000/0000                   | 2-20035/0257                | 10/29/76         | 10                  | 8999            | 35.4         | 143.5        | GGGG                               |                     |                      | 135                   | 37                   |
| 11028E 3726N                            | 2611-02273        | 00000/0000                   | 2-20032/1818                | 09/24/76         | 90                  | 8511            | 42.7         | 136.1        | GGGG                               |                     |                      | 136                   | 34                   |
| 11028E 3726N                            | 2683-02245        | 00000/0000                   | 2-20037/0077                | 12/05/76         | 100                 | 9515            | 23.5         | 148.8        | GGGG                               |                     |                      | 136                   | 34                   |
| 11028E 3720N                            | 2521-02301        | 00000/0000                   | 2-20027/0503                | 06/26/76         | 10                  | 7256            | 58.8         | 107.2        | GGFG                               |                     |                      | 136                   | 34                   |
| 11028E 2730N                            | 2465-02230        | 00000/0000                   | 2-20024/1052                | 05/01/76         | 100                 | 6475            | 57.0         | 105.2        | GFGG                               |                     |                      | 134                   | 41                   |
| 11027E 5433N                            | 2472-02550        | 00000/0000                   | 2-20024/1809                | 05/08/76         | 20                  | 6573            | 48.0         | 143.2        | GGGG                               |                     |                      | 141                   | 22                   |
| 11027E 4143N                            | 2612-02320        | 00000/0000                   | 2-20037/1729                | 09/25/76         | 60                  | 8525            | 39.8         | 140.3        | GGGG                               |                     |                      | 137                   | 31                   |
| 11027E 4137N                            | 2414-02374        | 00000/0000                   | 2-20021/1456                | 03/11/76         | 0                   | 5764            | 35.8         | 138.5        | GGGG                               |                     |                      | 137                   | 31                   |
| 11027E 0128S                            | 2370-02052        | 00000/0000                   | 2-20020/0414                | 01/27/76         | 40                  | 5150            | 46.0         | 115.8        | GGGG                               |                     |                      | 129                   | 61                   |
| 11026E 3721N                            | 2665-02254        | 00000/0000                   | 2-20036/0858                | 11/17/76         | 0                   | 9264            | 27.2         | 148.6        | GGGG                               |                     |                      | 136                   | 34                   |
| 11026E 2729N                            | 2447-02233        | 00000/0000                   | 2-20023/0073                | 04/13/76         | 30                  | 6224            | 53.2         | 113.6        | GGGG                               |                     |                      | 134                   | 41                   |
| 11025E 3719N                            | 2413-02331        | 00000/0000                   | 2-20021/1395                | 03/10/76         | 100                 | 5750            | 38.0         | 135.3        | GGGG                               |                     |                      | 136                   | 34                   |
| 11024E 3721N                            | 2629-02270        | 00000/0000                   | 2-20034/0618                | 10/12/76         | 10                  | 8762            | 37.5         | 142.2        | GGGG                               |                     |                      | 136                   | 34                   |
| 11024E 3721N                            | 2647-02262        | 00000/0000                   | 2-20035/0419                | 10/30/76         | 0                   | 9013            | 32.1         | 146.4        | GGGG                               |                     |                      | 136                   | 34                   |
| 11024E 2727N                            | 2429-02240        | 00000/0000                   | 2-20022/0662                | 03/26/76         | 100                 | 5973            | 48.1         | 121.0        | GGFF                               |                     |                      | 134                   | 41                   |
| 11023E 5146N                            | 2579-02471        | 00000/0000                   | 2-20030/1721                | 08/23/76         | 10                  | 8065            | 43.6         | 140.0        | GGGG                               |                     |                      | 140                   | 24                   |
| 11023E 2729N                            | 2717-02145        | 00000/0000                   | 2-20038/1030                | 01/08/77         | 10                  | 9989            | 28.5         | 140.2        | GGGG                               |                     |                      | 134                   | 41                   |
| 11022E 5142N                            | 2561-02474        | 00000/0000                   | 2-20030/0817                | 08/05/76         | 90                  | 7814            | 48.3         | 135.6        | GGGG                               |                     |                      | 140                   | 24                   |
| 11022E 5141N                            | 2471-02501        | 00000/0000                   | 2-20024/1705                | 05/07/76         | 80                  | 6559            | 49.5         | 139.7        | GGFF                               |                     |                      | 140                   | 24                   |
| 11022E 2725N                            | 2681-02162        | 00000/0000                   | 2-20037/0603                | 12/03/76         | 90                  | 9487            | 31.1         | 144.0        | GGGG                               |                     |                      | 134                   | 41                   |
| 11022E 2145N                            | 2446-02193        | 00000/0000                   | 2-20023/0040                | 04/12/76         | 80                  | 6210            | 54.0         | 105.8        | GGGG                               |                     |                      | 133                   | 45                   |
| 11021E 2723N                            | 2663-02171        | 00000/0000                   | 2-20036/0621                | 11/15/76         | 100                 | 9236            | 34.9         | 142.9        | GGGG                               |                     |                      | 134                   | 41                   |
| 11019E 2719N                            | 2645-02175        | 00000/0000                   | 2-20035/0051                | 10/28/76         | 90                  | 8985            | 39.5         | 139.3        | GGGG                               |                     |                      | 134                   | 41                   |
| 11019E 2141N                            | 2428-02200        | 00000/0000                   | 2-20027/0620                | 03/25/76         | 100                 | 5959            | 49.6         | 114.6        | FFFF                               |                     |                      | 133                   | 45                   |
| 11018E 2719N                            | 2411-02244        | 00000/0000                   | 2-20021/1135                | 03/08/76         | 100                 | 5722            | 42.5         | 127.1        | GGFG                               |                     |                      | 134                   | 41                   |
| 11018E 2142N                            | 2716-02165        | 00000/0000                   | 2-20034/0762                | 01/07/77         | 100                 | 9975            | 32.1         | 137.3        | GGGG                               |                     |                      | 133                   | 45                   |
| 11017E 5422N                            | 2544-02531        | 00000/0000                   | 2-20028/1898                | 07/19/76         | 90                  | 7577            | 50.4         | 136.8        | GGGG                               |                     |                      | 141                   | 22                   |
| 11017E 5420N                            | 2508-02541        | 00000/0000                   | 2-20026/1389                | 06/13/76         | 90                  | 7075            | 53.3         | 137.6        | GGGG                               |                     |                      | 141                   | 22                   |
| 11017E 5420N                            | 2526-02534        | 00000/0000                   | 2-20028/0406                | 07/01/76         | 10                  | 7326            | 52.8         | 136.2        | GGGG                               |                     |                      | 141                   | 22                   |
| 11017E 5133N                            | 2507-02492        | 00000/0000                   | 2-20026/1363                | 06/12/76         | 40                  | 7061            | 54.7         | 133.3        | GGGG                               |                     |                      | 140                   | 24                   |
| 11017E 2140N                            | 2698-02114        | 00000/0000                   | 2-20037/1052                | 12/20/76         | 60                  | 9724            | 32.8         | 140.0        | GGGG                               |                     |                      | 133                   | 45                   |
| 11016E 5132N                            | 2543-02482        | 00000/0000                   | 2-20028/1694                | 07/18/76         | 50                  | 7563            | 52.0         | 132.6        | GGGG                               |                     |                      | 140                   | 24                   |
| 11016E 5131N                            | 2525-02485        | 00000/0000                   | 2-20028/0507                | 06/30/76         | 10                  | 7312            | 54.3         | 131.7        | GGGG                               |                     |                      | 140                   | 24                   |
| 11016E 2138N                            | 2680-02122        | 00000/0000                   | 2-20036/0721                | 12/02/76         | 10                  | 9473            | 35.3         | 140.7        | GGGG                               |                     |                      | 133                   | 45                   |
| 11016E 2136N                            | 2410-02204        | 00000/0000                   | 2-20021/1326                | 03/07/76         | 80                  | 5708            | 44.6         | 122.0        | GGGG                               |                     |                      | 133                   | 45                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROI<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 11015E                      | 2137N | 2662-02131        | 00000/0000            | 2-20036/0949         | 11/14/76         | 90                  | 9222            | 39.0         | 139.0        | GGGG                  |                     |                      | 133                   | 45                   |
| 11015E                      | 0252S | 2514-02015        | 00000/0000            | 2-20027/0009         | 06/19/76         | 20                  | 7158            | 43.4         | 53.5         | GGGG                  |                     |                      | 129                   | 62                   |
| 11014E                      | 2136N | 2374-02213        | 00000/0000            | 2-20020/0564         | 01/31/76         | 100                 | 5206            | 36.2         | 133.9        | GGGG                  |                     |                      | 133                   | 45                   |
| 11013E                      | 2136N | 2644-02135        | 00000/0000            | 2-20035/0025         | 10/27/76         | 60                  | 8971            | 43.3         | 134.4        | GGGG                  |                     |                      | 133                   | 45                   |
| 11013E                      | 2132N | 2392-02211        | 00000/0000            | 2-20020/1654         | 02/18/76         | 90                  | 5457            | 39.9         | 128.4        | GGGG                  |                     |                      | 133                   | 45                   |
| 11008E                      | 3607N | 2467-02315        | 00000/0000            | 2-20024/1233         | 05/03/76         | 20                  | 6503            | 55.6         | 118.4        | GGGG                  |                     |                      | 136                   | 35                   |
| 11007E                      | 3610N | 2449-02322        | 00000/0000            | 2-20023/0184         | 04/15/76         | 80                  | 6252            | 51.0         | 124.6        | GGGF                  |                     |                      | 136                   | 35                   |
| 11005E                      | 4024N | 2468-02362        | 00000/0000            | 2-20024/1328         | 05/04/76         | 40                  | 6517            | 54.4         | 124.6        | GGGG                  |                     |                      | 137                   | 32                   |
| 11004E                      | 4025N | 2450-02365        | 00000/0000            | 2-20024/0007         | 04/16/76         | 10                  | 6246            | 49.4         | 129.7        | GGGG                  |                     |                      | 137                   | 32                   |
| 11004E                      | 3607N | 2575-02290        | 00000/0000            | 2-20030/1552         | 08/19/76         | 90                  | 8009            | 51.9         | 119.2        | GGGG                  |                     |                      | 136                   | 35                   |
| 11004E                      | 3557N | 2503-02310        | 00000/0000            | 2-20026/0745         | 06/08/76         | 10                  | 7005            | 59.5         | 106.6        | GGFF                  |                     |                      | 136                   | 35                   |
| 11004E                      | 2603N | 2447-02235        | 00000/0000            | 2-20023/0074         | 04/13/76         | 80                  | 6224            | 53.5         | 111.5        | GGGG                  |                     |                      | 134                   | 42                   |
| 11003E                      | 4023N | 2576-02333        | 00000/0000            | 2-20030/1525         | 08/20/76         | 100                 | 8023            | 50.2         | 125.3        | GGGF                  |                     |                      | 137                   | 32                   |
| 11002E                      | 4022N | 2432-02372        | 00000/0000            | 2-20022/0899         | 03/29/76         | 20                  | 6015            | 43.2         | 133.9        | GGGG                  |                     |                      | 137                   | 32                   |
| 11002E                      | 4016N | 2540-02343        | 00000/0000            | 2-20024/1441         | 07/15/76         | 90                  | 7521            | 56.5         | 114.2        | GGGG                  |                     |                      | 137                   | 32                   |
| 11002E                      | 4012N | 2504-02353        | 00000/0000            | 2-20026/1073         | 06/09/76         | 10                  | 7019            | 58.8         | 114.2        | GGGG                  |                     |                      | 137                   | 32                   |
| 11002E                      | 3605N | 2593-02283        | 00000/0000            | 2-20032/0828         | 09/06/76         | 100                 | 8260            | 48.1         | 127.2        | GGGG                  |                     |                      | 136                   | 35                   |
| 11002E                      | 3603N | 2431-02330        | 00000/0000            | 2-20022/0737         | 03/28/76         | 100                 | 6001            | 45.1         | 129.8        | GGGG                  |                     |                      | 136                   | 35                   |
| 11002E                      | 3601N | 2557-02293        | 00000/0000            | 2-20030/0402         | 08/01/76         | 70                  | 7758            | 55.0         | 111.8        | GGGG                  |                     |                      | 136                   | 35                   |
| 11002E                      | 3559N | 2485-02313        | 00000/0000            | 2-20025/0983         | 05/21/76         | 10                  | 6754            | 58.5         | 111.7        | GGGF                  |                     |                      | 136                   | 35                   |
| 11002E                      | 3557N | 2539-02300        | 00000/0000            | 2-20028/1290         | 07/14/76         | 100                 | 7507            | 57.3         | 106.6        | GGGG                  |                     |                      | 136                   | 35                   |
| 11001E                      | 4020N | 2558-02340        | 00000/0000            | 2-20030/0531         | 08/02/76         | 90                  | 7772            | 53.8         | 118.8        | GGGG                  |                     |                      | 137                   | 32                   |
| 11001E                      | 3606N | 2719-02235        | 00000/0000            | 2-20038/1214         | 01/10/77         | 30                  | 17              | 22.8         | 144.0        | GGGG                  |                     |                      | 136                   | 35                   |
| 11001E                      | 3601N | 2611-02280        | 00000/0000            | 2-20032/1819         | 09/24/76         | 90                  | 8511            | 43.5         | 134.8        | GGGG                  |                     |                      | 136                   | 35                   |
| 11001E                      | 2601N | 2429-02243        | 00000/0000            | 2-20022/0663         | 03/26/76         | 100                 | 5973            | 48.6         | 119.3        | GGGF                  |                     |                      | 134                   | 42                   |
| 11000E                      | 4024N | 2594-02330        | 00000/0000            | 2-20032/0927         | 09/07/76         | 10                  | 8274            | 45.8         | 132.4        | GGGF                  |                     |                      | 137                   | 32                   |
| 11000E                      | 4015N | 2486-02355        | 00000/0000            | 2-20025/0858         | 05/22/76         | 30                  | 6768            | 57.6         | 118.9        | GGGF                  |                     |                      | 137                   | 32                   |
| 11000E                      | 3601N | 2683-02252        | 00000/0000            | 2-20037/0078         | 12/05/76         | 100                 | 9515            | 24.6         | 148.2        | GGGF                  |                     |                      | 136                   | 35                   |
| 11000E                      | 3554N | 2521-02303        | 00000/0000            | 2-20027/0504         | 06/26/76         | 70                  | 7256            | 58.9         | 104.6        | GGGG                  |                     |                      | 136                   | 35                   |
| 11000E                      | 2602N | 2717-02152        | 00000/0000            | 2-20038/1031         | 01/08/77         | 30                  | 9989            | 29.4         | 139.4        | GGGG                  |                     |                      | 134                   | 42                   |
| 11000E                      | 2019N | 2446-02195        | 00000/0000            | 2-20023/0041         | 04/12/76         | 20                  | 6210            | 54.1         | 103.7        | GGFG                  |                     |                      | 133                   | 44                   |
| 10959E                      | 3556N | 2665-02260        | 00000/0000            | 2-20036/0859         | 11/17/76         | 0                   | 9264            | 28.3         | 147.9        | GGGG                  |                     |                      | 136                   | 35                   |
| 10958E                      | 3553N | 2413-02333        | 00000/0000            | 2-20021/1396         | 03/10/76         | 100                 | 5750            | 38.8         | 134.1        | GGFG                  |                     |                      | 136                   | 35                   |
| 10958E                      | 2600N | 2681-02165        | 00000/0000            | 2-20037/0604         | 12/03/76         | 100                 | 9487            | 32.1         | 143.2        | GGGG                  |                     |                      | 134                   | 42                   |
| 10957E                      | 4018N | 2612-02322        | 00000/0000            | 2-20032/1730         | 09/25/76         | 20                  | 8525            | 40.7         | 139.1        | GGGF                  |                     |                      | 137                   | 32                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10957E 4012N                            | 2414-02380        | 00000/0000                   | 2-20021/1457                | 03/11/76         | 10                  | 5764            | 36.7         | 137.4        | GGGG                               |                     |                      | 137                   | 32                   |
| 10957E 3556N                            | 2629-02272        | 00000/0000                   | 2-20034/1619                | 10/12/76         | 40                  | 8762            | 38.4         | 141.1        | GGGG                               |                     |                      | 136                   | 35                   |
| 10957E 3555N                            | 2647-02264        | 00000/0000                   | 2-20035/0291                | 10/30/76         | 0                   | 9013            | 33.1         | 145.5        | GGFG                               |                     |                      | 134                   | 38                   |
| 10957E 2556N                            | 2393-02253        | 00000/0000                   | 2-20021/0134                | 02/19/76         | 100                 | 5471            | 37.9         | 131.5        | GGGG                               |                     |                      | 134                   | 42                   |
| 10957E 2556N                            | 2663-02179        | 00000/0000                   | 2-20034/0622                | 11/15/76         | 100                 | 9236            | 35.9         | 142.0        | GGGG                               |                     |                      | 134                   | 42                   |
| 10957E 2015N                            | 2428-02203        | 00000/0000                   | 2-20022/0621                | 03/25/76         | 90                  | 5959            | 50.0         | 112.8        | FFFF                               |                     |                      | 133                   | 46                   |
| 10956E 2553N                            | 2648-02182        | 00000/0000                   | 2-20035/0052                | 10/28/76         | 90                  | 8985            | 40.4         | 138.2        | GGGG                               |                     |                      | 134                   | 42                   |
| 10956E 2016N                            | 2716-02112        | 00000/0000                   | 2-20038/0763                | 01/07/77         | 100                 | 9975            | 33.0         | 136.4        | GGGG                               |                     |                      | 133                   | 46                   |
| 10955E 2553N                            | 2411-02250        | 00000/0000                   | 2-20021/1136                | 03/08/76         | 90                  | 5722            | 43.2         | 125.8        | GGFG                               |                     |                      | 134                   | 42                   |
| 10955E 2014N                            | 2698-02120        | 00000/0000                   | 2-20037/1053                | 12/20/76         | 80                  | 9724            | 33.7         | 139.1        | GGGG                               |                     |                      | 133                   | 46                   |
| 10955E 0418S                            | 2514-02021        | 00000/0000                   | 2-20027/0010                | 06/19/76         | 10                  | 7158            | 42.3         | 52.6         | GGGG                               |                     |                      | 129                   | 63                   |
| 10954E 2551N                            | 2375-02260        | 00000/0000                   | 2-20020/0786                | 02/01/76         | 50                  | 5220            | 33.8         | 136.4        | GGGG                               |                     |                      | 134                   | 42                   |
| 10954E 2012N                            | 2680-02125        | 00000/0000                   | 2-20034/0722                | 12/02/76         | 60                  | 9473            | 36.2         | 139.8        | GGGG                               |                     |                      | 133                   | 46                   |
| 10954E 2011N                            | 2662-02133        | 00000/0000                   | 2-20036/0950                | 11/14/76         | 90                  | 9222            | 39.9         | 137.9        | GGGG                               |                     |                      | 133                   | 46                   |
| 10953E 1423N                            | 2373-02175        | 00000/0000                   | 2-20020/0599                | 01/30/76         | 80                  | 5192            | 39.9         | 128.9        | FGGG                               |                     |                      | 132                   | 50                   |
| 10952E 2010N                            | 2374-02215        | 00000/0000                   | 2-20020/0565                | 01/31/76         | 90                  | 5206            | 37.0         | 132.9        | GGGG                               |                     |                      | 133                   | 46                   |
| 10951E 2010N                            | 2644-02141        | 00000/0000                   | 2-20035/0026                | 10/27/76         | 70                  | 8971            | 44.1         | 133.2        | GGGG                               |                     |                      | 133                   | 46                   |
| 10951E 2006N                            | 2392-02213        | 00000/0000                   | 2-20020/1655                | 02/18/76         | 60                  | 5457            | 40.6         | 127.2        | GGGG                               |                     |                      | 133                   | 46                   |
| 10942E 5308N                            | 2472-02553        | 00000/0000                   | 2-20024/1810                | 05/08/76         | 30                  | 6573            | 48.8         | 141.4        | GGGG                               |                     |                      | 141                   | 23                   |
| 10942E 5017N                            | 2471-02503        | 00000/0000                   | 2-20024/1706                | 05/07/76         | 40                  | 6559            | 50.3         | 137.8        | GGGG                               |                     |                      | 140                   | 25                   |
| 10941E 5017N                            | 2561-02481        | 00000/0000                   | 2-20030/0818                | 08/05/76         | 90                  | 7814            | 49.1         | 133.8        | GGGG                               |                     |                      | 140                   | 25                   |
| 10941E 3441N                            | 2467-02322        | 00000/0000                   | 2-20024/1234                | 05/03/76         | 30                  | 6503            | 56.0         | 116.1        | GGGG                               |                     |                      | 136                   | 36                   |
| 10941E 2437N                            | 2447-02242        | 00000/0000                   | 2-20023/0075                | 04/13/76         | 70                  | 6224            | 53.8         | 109.5        | GGGG                               |                     |                      | 134                   | 43                   |
| 10940E 3444N                            | 2449-02325        | 00000/0000                   | 2-20023/0185                | 04/15/76         | 20                  | 6252            | 51.5         | 122.8        | FGFG                               |                     |                      | 136                   | 36                   |
| 10939E 2436N                            | 2429-02245        | 00000/0000                   | 2-20022/0664                | 03/26/76         | 100                 | 5973            | 49.1         | 117.6        | GGGG                               |                     |                      | 134                   | 43                   |
| 10937E 5309N                            | 2580-02523        | 00000/0000                   | 2-20030/1810                | 08/24/76         | 70                  | 8079            | 42.4         | 141.8        | GGGG                               |                     |                      | 141                   | 23                   |
| 10937E 3441N                            | 2575-02292        | 00000/0000                   | 2-20030/1553                | 08/19/76         | 90                  | 8009            | 52.3         | 117.2        | GGGG                               |                     |                      | 136                   | 36                   |
| 10937E 3431N                            | 2503-02313        | 00000/0000                   | 2-20026/0746                | 06/08/76         | 10                  | 7005            | 59.6         | 103.9        | GGGG                               |                     |                      | 136                   | 36                   |
| 10936E 5009N                            | 2507-02494        | 00000/0000                   | 2-20026/1364                | 06/12/76         | 20                  | 7061            | 55.4         | 131.0        | GGGG                               |                     |                      | 140                   | 25                   |
| 10936E 5008N                            | 2543-02484        | 00000/0000                   | 2-20028/1695                | 07/18/76         | 80                  | 7563            | 52.7         | 130.5        | GGFF                               |                     |                      | 140                   | 25                   |
| 10936E 5006N                            | 2525-02491        | 00000/0000                   | 2-20028/1508                | 06/30/76         | 10                  | 7312            | 54.9         | 129.4        | GGGG                               |                     |                      | 140                   | 25                   |
| 10936E 3437N                            | 2431-02332        | 00000/0000                   | 2-20027/0738                | 03/28/76         | 90                  | 6001            | 45.8         | 128.3        | GGGG                               |                     |                      | 136                   | 36                   |
| 10936E 3433N                            | 2485-02315        | 00000/0000                   | 2-20025/0984                | 05/21/76         | 80                  | 6754            | 58.8         | 109.1        | GGGF                               |                     |                      | 136                   | 36                   |
| 10936E 3431N                            | 2539-02303        | 00000/0000                   | 2-20024/1291                | 07/14/76         | 100                 | 7507            | 57.4         | 104.1        | GGGG                               |                     |                      | 136                   | 36                   |
| 10936E 2435N                            | 2717-02154        | 00000/0000                   | 2-20038/1032                | 01/08/77         | 70                  | 9989            | 30.3         | 138.7        | GGGG                               |                     |                      | 134                   | 43                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   |                              |                            |                  |                     |                 |              |              |                                    |                     |                      |                       |                      |
| 10935E                      | 3900N | 2450-02372        | 00000/0000                   | 2-20024/0008               | 04/16/76         | 10                  | 6266            | 50.0         | 128.0        | GGGG                               |                     |                      | 137                   | 33                   |
| 10935E                      | 3858N | 2468-02365        | 00000/0000                   | 2-20024/1329               | 05/04/76         | 30                  | 6517            | 54.9         | 122.4        | GGGG                               |                     |                      | 137                   | 33                   |
| 10935E                      | 3440N | 2719-02241        | 00000/0000                   | 2-20038/1215               | 01/10/77         | 20                  | 17              | 23.7         | 143.3        | GGGG                               |                     |                      | 136                   | 36                   |
| 10935E                      | 3439N | 2593-02285        | 00000/0000                   | 2-20032/0829               | 09/06/76         | 100                 | 8260            | 48.7         | 125.5        | GGGG                               |                     |                      | 136                   | 36                   |
| 10935E                      | 2434N | 2681-02171        | 00000/0000                   | 2-20037/0605               | 12/03/76         | 100                 | 9487            | 33.1         | 142.4        | GGGG                               |                     |                      | 134                   | 43                   |
| 10935E                      | 0544S | 2514-02024        | 00000/0000                   | 2-20027/0011               | 06/19/76         | 10                  | 7158            | 41.3         | 51.7         | GGFG                               |                     |                      | 129                   | 64                   |
| 10934E                      | 3435N | 2611-02282        | 00000/0000                   | 2-20037/1820               | 09/24/76         | 100                 | 8511            | 44.3         | 133.4        | GGGG                               |                     |                      | 136                   | 36                   |
| 10934E                      | 2430N | 2393-02260        | 00000/0000                   | 2-20021/0135               | 02/19/76         | 100                 | 5471            | 38.7         | 130.4        | GFGG                               |                     |                      | 134                   | 43                   |
| 10934E                      | 2430N | 2663-02180        | 00000/0000                   | 2-20036/0623               | 11/15/76         | 100                 | 9236            | 36.9         | 141.1        | GGGG                               |                     |                      | 134                   | 43                   |
| 10933E                      | 5257N | 2508-02543        | 00000/0000                   | 2-20024/1390               | 06/13/76         | 90                  | 7075            | 54.1         | 135.3        | GGGG                               |                     |                      | 141                   | 23                   |
| 10933E                      | 5257N | 2526-02541        | 00000/0000                   | 2-20028/0407               | 07/01/76         | 10                  | 7326            | 53.5         | 134.0        | GGGG                               |                     |                      | 141                   | 23                   |
| 10933E                      | 3857N | 2576-02335        | 00000/0000                   | 2-20030/1526               | 08/20/76         | 100                 | 8023            | 50.7         | 123.4        | FGGF                               |                     |                      | 137                   | 33                   |
| 10933E                      | 3856N | 2432-02375        | 00000/0000                   | 2-20022/0900               | 03/29/76         | 10                  | 6015            | 44.0         | 132.5        | GGGG                               |                     |                      | 137                   | 33                   |
| 10933E                      | 3436N | 2683-02254        | 00000/0000                   | 2-20037/0079               | 12/05/76         | 100                 | 9515            | 25.6         | 147.5        | GGGG                               |                     |                      | 136                   | 36                   |
| 10933E                      | 3428N | 2521-02310        | 00000/0000                   | 2-20027/0505               | 06/26/76         | 90                  | 7256            | 59.0         | 102.0        | GGGG                               |                     |                      | 136                   | 36                   |
| 10933E                      | 2427N | 2645-02184        | 00000/0000                   | 2-20035/0053               | 10/28/76         | 80                  | 8985            | 41.3         | 137.1        | GGGG                               |                     |                      | 134                   | 43                   |
| 10933E                      | 1257N | 2373-02182        | 00000/0000                   | 2-20020/0600               | 01/30/76         | 60                  | 5192            | 40.6         | 127.8        | FFGG                               |                     |                      | 132                   | 51                   |
| 10932E                      | 5258N | 2544-02533        | 00000/0000                   | 2-20028/1899               | 07/19/76         | 90                  | 7577            | 51.1         | 134.8        | GGGG                               |                     |                      | 141                   | 23                   |
| 10932E                      | 3855N | 2558-02342        | 00000/0000                   | 2-20030/0532               | 08/02/76         | 90                  | 7772            | 54.2         | 116.6        | GGGG                               |                     |                      | 137                   | 33                   |
| 10932E                      | 3850N | 2540-02345        | 00000/0000                   | 2-20028/1443               | 07/15/76         | 90                  | 7521            | 56.8         | 111.8        | GGGG                               |                     |                      | 137                   | 33                   |
| 10932E                      | 3430N | 2665-02263        | 00000/0000                   | 2-20036/0860               | 11/17/76         | 10                  | 9264            | 29.4         | 147.1        | GGGG                               |                     |                      | 136                   | 36                   |
| 10932E                      | 2427N | 2411-02253        | 00000/0000                   | 2-20021/1137               | 03/08/76         | 90                  | 5722            | 43.8         | 124.4        | GGFG                               |                     |                      | 134                   | 43                   |
| 10931E                      | 3850N | 2436-02362        | 00000/0000                   | 2-20025/0859               | 05/22/76         | 10                  | 6768            | 58.0         | 116.4        | GGGF                               |                     |                      | 137                   | 33                   |
| 10931E                      | 3429N | 2647-02271        | 00000/0000                   | 2-20035/0292               | 10/30/76         | 10                  | 9013            | 34.2         | 144.6        | FGGF                               |                     |                      | 136                   | 36                   |
| 10931E                      | 3427N | 2413-02340        | 00000/0000                   | 2-20021/1397               | 03/10/76         | 100                 | 5750            | 39.6         | 132.9        | GFGG                               |                     |                      | 136                   | 36                   |
| 10930E                      | 3858N | 2594-02332        | 00000/0000                   | 2-20032/0928               | 09/07/76         | 10                  | 8274            | 46.5         | 130.9        | GGGG                               |                     |                      | 137                   | 33                   |
| 10930E                      | 3429N | 2629-02275        | 00000/0000                   | 2-20034/0620               | 10/12/76         | 90                  | 8762            | 39.4         | 140.0        | GGGG                               |                     |                      | 136                   | 36                   |
| 10930E                      | 1844N | 2374-02222        | 00000/0000                   | 2-20020/0566               | 01/31/76         | 40                  | 5206            | 37.8         | 131.9        | GGFG                               |                     |                      | 133                   | 47                   |
| 10928E                      | 3853N | 2612-02325        | 00000/0000                   | 2-20032/1731               | 09/25/76         | 10                  | 8525            | 41.6         | 137.8        | GGGG                               |                     |                      | 137                   | 33                   |
| 10927E                      | 3846N | 2414-02383        | 00000/0000                   | 2-20021/1458               | 03/11/76         | 10                  | 5764            | 37.5         | 136.2        | FGGG                               |                     |                      | 137                   | 33                   |
| 10919E                      | 2311N | 2447-02244        | 00000/0000                   | 2-20023/0076               | 04/13/76         | 70                  | 6224            | 54.0         | 107.4        | GGGG                               |                     |                      | 134                   | 44                   |
| 10916E                      | 2310N | 2429-02252        | 00000/0000                   | 2-20022/0665               | 03/26/76         | 100                 | 5973            | 49.5         | 115.9        | GGGG                               |                     |                      | 134                   | 44                   |
| 10915E                      | 3316N | 2467-02324        | 00000/0000                   | 2-20024/1235               | 05/03/76         | 30                  | 6503            | 56.4         | 113.8        | GGGG                               |                     |                      | 136                   | 37                   |
| 10914E                      | 3318N | 2449-02331        | 00000/0000                   | 2-20023/0186               | 04/15/76         | 20                  | 6252            | 52.0         | 120.8        | FGGG                               |                     |                      | 136                   | 37                   |
| 10913E                      | 2310N | 2717-02161        | 00000/0000                   | 2-20038/1033               | 01/08/77         | 100                 | 9989            | 31.2         | 137.9        | GGGG                               |                     |                      | 134                   | 44                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10912E 2308N                            | 2681-02174        | 00000/0000                   | 2-20037/0606                | 12/03/76         | 90                  | 9487            | 34.1         | 141.6        | GGGG                               |                     |                      | 134                   | 44                   |
| 10912E 2303N                            | 2663-02182        | 00000/0000                   | 2-20036/0624                | 11/15/76         | 100                 | 9236            | 37.8         | 140.1        | GGGG                               |                     |                      | 134                   | 44                   |
| 10912E 1131N                            | 2373-02184        | 00000/0000                   | 2-20020/0601                | 01/30/76         | 10                  | 5192            | 41.3         | 126.6        | GGGG                               |                     |                      | 132                   | 52                   |
| 10911E 2305N                            | 2393-02262        | 00000/0000                   | 2-20021/0136                | 02/19/76         | 100                 | 5471            | 39.4         | 129.3        | FFGG                               |                     |                      | 134                   | 44                   |
| 10911E 2302N                            | 2645-02191        | 00000/0000                   | 2-20035/0054                | 10/28/76         | 90                  | 8985            | 42.2         | 135.9        | GGGG                               |                     |                      | 134                   | 44                   |
| 10911E 2300N                            | 2411-02255        | 00000/0000                   | 2-20021/1138                | 03/08/76         | 90                  | 5722            | 44.4         | 123.0        | GGGG                               |                     |                      | 134                   | 44                   |
| 10910E 5721N                            | 2582-03024        | 00000/0000                   | 2-20032/0125                | 08/26/76         | 90                  | 8107            | 39.1         | 147.0        | GGGG                               |                     |                      | 143                   | 20                   |
| 10910E 3311N                            | 2431-02335        | 00000/0000                   | 2-20022/0739                | 03/28/76         | 90                  | 6001            | 46.4         | 126.7        | GGGG                               |                     |                      | 136                   | 37                   |
| 10909E 4149N                            | 2433-02424        | 00000/0000                   | 2-20022/0982                | 03/30/76         | 0                   | 6029            | 42.8         | 135.1        | GGFG                               |                     |                      | 138                   | 31                   |
| 10909E 4148N                            | 2469-02414        | 00000/0000                   | 2-20024/1511                | 05/05/76         | 10                  | 6531            | 54.0         | 126.4        | GGGG                               |                     |                      | 138                   | 31                   |
| 10909E 1717N                            | 2374-02224        | 00000/0000                   | 2-20020/0567                | 01/31/76         | 60                  | 5206            | 38.5         | 130.8        | GGGG                               |                     |                      | 133                   | 48                   |
| 10908E 4149N                            | 2451-02421        | 00000/0000                   | 2-20023/0301                | 04/17/76         | 100                 | 6280            | 49.0         | 131.2        | GGGG                               |                     |                      | 138                   | 31                   |
| 10908E 3314N                            | 2719-02244        | 00000/0000                   | 2-20038/1216                | 01/10/77         | 70                  | 17              | 24.7         | 142.6        | GGGG                               |                     |                      | 136                   | 37                   |
| 10908E 3309N                            | 2611-02285        | 00000/0000                   | 2-20032/1821                | 09/24/76         | 100                 | 8511            | 45.1         | 132.0        | GGGG                               |                     |                      | 134                   | 37                   |
| 10907E 4151N                            | 2577-02384        | 00000/0000                   | 2-20032/0072                | 08/21/76         | 10                  | 8037            | 49.3         | 127.6        | GGGG                               |                     |                      | 138                   | 31                   |
| 10907E 3734N                            | 2450-02374        | 00000/0000                   | 2-20024/0009                | 04/16/76         | 60                  | 6266            | 50.7         | 126.1        | GGGG                               |                     |                      | 137                   | 34                   |
| 10907E 3732N                            | 2468-02371        | 00000/0000                   | 2-20024/1330                | 05/04/76         | 80                  | 6517            | 55.4         | 120.2        | GGFG                               |                     |                      | 137                   | 34                   |
| 10907E 3310N                            | 2683-02261        | 00000/0000                   | 2-20037/0080                | 12/05/76         | 90                  | 9515            | 26.7         | 146.8        | GGGG                               |                     |                      | 136                   | 37                   |
| 10907E 3304N                            | 2665-02265        | 00000/0000                   | 2-20036/0861                | 11/17/76         | 50                  | 9264            | 30.4         | 146.4        | GGGG                               |                     |                      | 134                   | 37                   |
| 10906E 5716N                            | 2600-03021        | 00000/0000                   | 2-20032/1109                | 09/13/76         | 90                  | 8358            | 33.2         | 160.7        | GGFG                               |                     |                      | 143                   | 20                   |
| 10906E 4144N                            | 2559-02392        | 00000/0000                   | 2-20030/0598                | 08/03/76         | 90                  | 7786            | 53.1         | 121.2        | GGGF                               |                     |                      | 138                   | 31                   |
| 10905E 4143N                            | 2487-02411        | 00000/0000                   | 2-20025/1192                | 05/23/76         | 0                   | 6782            | 57.3         | 121.1        | GGGG                               |                     |                      | 138                   | 31                   |
| 10905E 4140N                            | 2541-02395        | 00000/0000                   | 2-20028/1492                | 07/16/76         | 30                  | 7535            | 56.1         | 116.7        | GGGG                               |                     |                      | 138                   | 31                   |
| 10905E 4137N                            | 2505-02405        | 00000/0000                   | 2-20026/1176                | 06/10/76         | 10                  | 7033            | 58.5         | 116.7        | GGGG                               |                     |                      | 138                   | 31                   |
| 10905E 3303N                            | 2647-02273        | 00000/0000                   | 2-20035/0293                | 10/30/76         | 20                  | 9013            | 35.1         | 143.7        | GGGG                               |                     |                      | 136                   | 37                   |
| 10905E 3302N                            | 2413-02342        | 00000/0000                   | 2-20021/1398                | 03/10/76         | 90                  | 5750            | 40.3         | 131.7        | GGGG                               |                     |                      | 136                   | 37                   |
| 10904E 3731N                            | 2576-02342        | 00000/0000                   | 2-20030/1527                | 08/20/76         | 100                 | 8023            | 51.2         | 121.5        | GGGG                               |                     |                      | 137                   | 34                   |
| 10904E 3730N                            | 2432-02381        | 00000/0000                   | 2-20022/0901                | 03/29/76         | 40                  | 6015            | 44.7         | 131.0        | GGGG                               |                     |                      | 137                   | 34                   |
| 10904E 3730N                            | 2558-02345        | 00000/0000                   | 2-20030/0533                | 08/02/76         | 90                  | 7772            | 54.5         | 114.4        | GGGG                               |                     |                      | 137                   | 34                   |
| 10904E 3725N                            | 2540-02352        | 00000/0000                   | 2-20028/1444                | 07/15/76         | 50                  | 7521            | 57.0         | 109.3        | GGGG                               |                     |                      | 137                   | 34                   |
| 10904E 3304N                            | 2629-02281        | 00000/0000                   | 2-20034/0621                | 10/12/76         | 90                  | 8762            | 40.3         | 138.8        | GGGG                               |                     |                      | 136                   | 37                   |
| 10903E 5438N                            | 2455-03011        | 00000/0000                   | 2-20024/0216                | 04/21/76         | 90                  | 6336            | 42.9         | 145.4        | GGGG                               |                     |                      | 142                   | 22                   |
| 10903E 4148N                            | 2535-02381        | 00000/0000                   | 2-20032/1014                | 09/08/76         | 0                   | 8283            | 44.7         | 134.3        | G G                                |                     |                      | 138                   | 31                   |
| 10903E 4137N                            | 2523-02402        | 00000/0000                   | 2-20028/0236                | 06/28/76         | 10                  | 7284            | 58.0         | 115.0        | GGGG                               |                     |                      | 138                   | 31                   |
| 10903E 3724N                            | 2486-02364        | 00000/0000                   | 2-20025/0860                | 05/22/76         | 10                  | 6768            | 58.3         | 113.9        | GGGF                               |                     |                      | 137                   | 34                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0792

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10903E 3721N                            | 2504-02362        | 00000/0000                   | 2-20026/1074                | 06/09/76         | 10                  | 7019            | 59.3         | 109.0        | GGGG                               |                     |                      | 137                   | 34                   |
| 10902E 5709N                            | 2546-03034        | 00000/0000                   | 2-20029/0091                | 07/21/76         | 70                  | 7605            | 48.5         | 141.0        | FFFF                               |                     |                      | 143                   | 20                   |
| 10902E 3732N                            | 2594-02335        | 00000/0000                   | 2-20037/0929                | 09/07/76         | 30                  | 8274            | 47.2         | 129.3        | GGGG                               |                     |                      | 137                   | 34                   |
| 10901E 5431N                            | 2473-03004        | 00000/0000                   | 2-20024/1844                | 05/09/76         | 80                  | 6587            | 48.2         | 143.1        | GGGG                               |                     |                      | 142                   | 22                   |
| 10900E 5707N                            | 2528-03042        | 00000/0000                   | 2-20028/0795                | 07/03/76         | 90                  | 7354            | 51.1         | 140.4        | GGGG                               |                     |                      | 143                   | 20                   |
| 10900E 5704N                            | 2510-03045        | 00000/0000                   | 2-20026/1620                | 06/15/76         | 80                  | 7103            | 51.8         | 141.6        | GGGG                               |                     |                      | 143                   | 20                   |
| 10900E 5144N                            | 2472-02555        | 00000/0000                   | 2-20024/1811                | 05/08/76         | 50                  | 6573            | 49.7         | 139.5        | GGGG                               |                     |                      | 141                   | 24                   |
| 10900E 4142N                            | 2613-02374        | 00000/0000                   | 2-20032/1874                | 09/26/76         | 20                  | 8539            | 39.5         | 140.6        | GGGG                               |                     |                      | 138                   | 31                   |
| 10900E 3727N                            | 2612-02331        | 00000/0000                   | 2-20032/1732                | 09/25/76         | 10                  | 8525            | 42.4         | 136.5        | GGGG                               |                     |                      | 137                   | 34                   |
| 10900E 2731N                            | 2448-02291        | 00000/0000                   | 2-20023/0135                | 04/14/76         | 10                  | 6238            | 53.5         | 113.2        | GGGG                               |                     |                      | 235                   | 41                   |
| 10859E 3720N                            | 2414-02325        | 00000/0000                   | 2-20021/1459                | 03/11/76         | 0                   | 5764            | 38.3         | 135.1        | GGGG                               |                     |                      | 137                   | 34                   |
| 10857E 2725N                            | 2430-02295        | 00000/0000                   | 2-20022/0705                | 03/27/76         | 100                 | 5987            | 48.4         | 120.6        | GGGG                               |                     |                      | 135                   | 41                   |
| 10856E 5435N                            | 2581-02575        | 00000/0000                   | 2-20030/1837                | 08/25/76         | 80                  | 8093            | 41.2         | 143.7        | GGGG                               |                     |                      | 142                   | 22                   |
| 10856E 2725N                            | 2682-02221        | 00000/0000                   | 2-20036/1865                | 12/04/76         | 100                 | 9501            | 31.0         | 144.0        | GGGG                               |                     |                      | 135                   | 41                   |
| 10856E 2144N                            | 2447-02251        | 00000/0000                   | 2-20023/0077                | 04/13/76         | 90                  | 6224            | 54.2         | 105.3        | GGGG                               |                     |                      | 134                   | 45                   |
| 10855E 5145N                            | 2580-02530        | 00000/0000                   | 2-20030/1811                | 08/24/76         | 50                  | 8079            | 43.3         | 140.3        | GGGG                               |                     |                      | 141                   | 24                   |
| 10855E 2728N                            | 2718-02204        | 00000/0000                   | 2-20038/1243                | 01/09/77         | 90                  | 3               | 28.5         | 140.0        | GGGG                               |                     |                      | 135                   | 41                   |
| 10855E 2722N                            | 2664-02225        | 00000/0000                   | 2-20036/0758                | 11/16/76         | 100                 | 9250            | 34.7         | 143.0        | GGGG                               |                     |                      | 135                   | 41                   |
| 10854E 5428N                            | 2599-02572        | 00000/0000                   | 2-20032/1250                | 09/12/76         | 100                 | 8344            | 35.5         | 147.8        | GGGG                               |                     |                      | 142                   | 22                   |
| 10854E 2143N                            | 2429-02254        | 00000/0000                   | 2-20022/0666                | 03/26/76         | 100                 | 5973            | 49.9         | 114.1        | GGGG                               |                     |                      | 134                   | 45                   |
| 10853E 5428N                            | 2563-02582        | 00000/0000                   | 2-20032/0201                | 08/07/76         | 100                 | 7842            | 46.3         | 139.7        | GGGG                               |                     |                      | 142                   | 22                   |
| 10852E 2720N                            | 2646-02233        | 00000/0000                   | 2-20035/0258                | 10/29/76         | 30                  | 8999            | 39.3         | 139.5        | GGGG                               |                     |                      | 135                   | 41                   |
| 10851E 5132N                            | 2508-02550        | 00000/0000                   | 2-20026/1391                | 06/13/76         | 90                  | 7075            | 54.8         | 133.1        | GGGG                               |                     |                      | 141                   | 24                   |
| 10851E 2144N                            | 2717-02163        | 00000/0000                   | 2-20038/1034                | 01/08/77         | 100                 | 9989            | 32.1         | 137.1        | GGGG                               |                     |                      | 134                   | 45                   |
| 10851E 1005N                            | 2373-02191        | 00000/0000                   | 2-20020/0602                | 01/30/76         | 10                  | 5192            | 41.9         | 125.4        | GGGG                               |                     |                      | 132                   | 53                   |
| 10850E 5421N                            | 2545-02585        | 00000/0000                   | 2-20028/1788                | 07/20/76         | 90                  | 7591            | 50.2         | 136.9        | GGGG                               |                     |                      | 142                   | 22                   |
| 10850E 5134N                            | 2544-02540        | 00000/0000                   | 2-20028/1876                | 07/19/76         | 80                  | 7577            | 51.8         | 132.7        | GGGG                               |                     |                      | 141                   | 24                   |
| 10850E 5132N                            | 2526-02543        | 00000/0000                   | 2-20028/0408                | 07/01/76         | 10                  | 7326            | 54.2         | 131.7        | GGGG                               |                     |                      | 141                   | 24                   |
| 10850E 3149N                            | 2467-02331        | 00000/0000                   | 2-20024/1236                | 05/03/76         | 80                  | 6503            | 56.7         | 111.5        | GGGG                               |                     |                      | 136                   | 38                   |
| 10850E 2141N                            | 2481-02130        | 00000/0000                   | 2-20037/0607                | 12/03/76         | 60                  | 9487            | 35.1         | 140.7        | GGGG                               |                     |                      | 134                   | 45                   |
| 10849E 5417N                            | 2509-02595        | 00000/0000                   | 2-20026/1591                | 06/14/76         | 50                  | 7089            | 53.3         | 137.4        | GGGG                               |                     |                      | 142                   | 22                   |
| 10849E 2139N                            | 2393-02265        | 00000/0000                   | 2-20021/0137                | 02/19/76         | 100                 | 5471            | 40.1         | 128.1        | GGGG                               |                     |                      | 134                   | 45                   |
| 10849E 2137N                            | 2645-02193        | 00000/0000                   | 2-20035/0055                | 10/28/76         | 80                  | 8985            | 43.1         | 134.7        | GGGG                               |                     |                      | 134                   | 45                   |
| 10849E 2137N                            | 2663-02185        | 00000/0000                   | 2-20036/0625                | 11/15/76         | 90                  | 9236            | 38.8         | 139.1        | GGGG                               |                     |                      | 134                   | 45                   |
| 10849E 2134N                            | 2411-02262        | 00000/0000                   | 2-20021/1139                | 03/08/76         | 60                  | 5722            | 44.9         | 121.6        | GGGG                               |                     |                      | 134                   | 45                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV<br>MSS                              |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 10848E                      | 5419N             | 2527-02592                              | 00000/0000       | 2-20028/0791        | 07/02/76        | 30           | 7340         | 52.7                  | 136.1               | GGGG                 | 142                   | 22                   |
| 10848E                      | 3152N             | 2449-02334                              | 00000/0000       | 2-20023/0187        | 04/15/76        | 10           | 6252         | 52.5                  | 118.9               | GGGG                 | 136                   | 38                   |
| 10848E                      | 1551N             | 2374-02231                              | 00000/0000       | 2-20020/0568        | 01/31/76        | 90           | 5206         | 39.3                  | 129.7               | GGGG                 | 133                   | 49                   |
| 10846E                      | 2133N             | 2375-02271                              | 00000/0000       | 2-20020/0787        | 02/01/76        | 90           | 5220         | 36.3                  | 133.6               | GGGG                 | 134                   | 45                   |
| 10844E                      | 3145N             | 2431-02341                              | 00000/0000       | 2-20022/0740        | 03/28/76        | 100          | 6001         | 47.1                  | 125.2               | GGG                  | 136                   | 38                   |
| 10843E                      | 3148N             | 2719-02250                              | 00000/0000       | 2-20038/1217        | 01/10/77        | 70           | 17           | 25.7                  | 142.0               | GGGG                 | 136                   | 38                   |
| 10843E                      | 3143N             | 2611-02291                              | 00000/0000       | 2-20032/1822        | 09/24/76        | 100          | 8511         | 45.9                  | 130.5               | GGGG                 | 136                   | 38                   |
| 10842E                      | 3138N             | 2665-02272                              | 00000/0000       | 2-20036/0862        | 11/17/76        | 60           | 9264         | 31.4                  | 145.6               | GGGG                 | 136                   | 38                   |
| 10841E                      | 3143N             | 2683-02263                              | 00000/0000       | 2-20037/0081        | 12/05/76        | 100          | 9515         | 27.7                  | 146.1               | GGGG                 | 136                   | 38                   |
| 10840E                      | 3608N             | 2450-02381                              | 00000/0000       | 2-20024/0010        | 04/16/76        | 20           | 6266         | 51.3                  | 124.3               | GGGG                 | 137                   | 35                   |
| 10840E                      | 3138N             | 2647-02280                              | 00000/0000       | 2-20035/0294        | 10/30/76        | 10           | 9013         | 36.1                  | 142.8               | GGGG                 | 136                   | 38                   |
| 10840E                      | 3136N             | 2413-02345                              | 00000/0000       | 2-20021/1399        | 03/10/76        | 100          | 5750         | 41.1                  | 130.4               | FGGG                 | 136                   | 38                   |
| 10839E                      | 3606N             | 2468-02374                              | 00000/0000       | 2-20024/1331        | 05/04/76        | 10           | 6517         | 55.8                  | 118.0               | FGGG                 | 137                   | 35                   |
| 10839E                      | 3138N             | 2629-02284                              | 00000/0000       | 2-20034/0622        | 10/12/76        | 100          | 8762         | 41.2                  | 137.7               | GGGG                 | 136                   | 38                   |
| 10839E                      | 2603N             | 2466-02291                              | 00000/0000       | 2-20024/1088        | 05/02/76        | 100          | 6489         | 57.2                  | 102.3               | GGGG                 | 135                   | 42                   |
| 10838E                      | 4025N             | 2577-02391                              | 00000/0000       | 2-20032/0073        | 08/21/76        | 10           | 8037         | 49.9                  | 125.8               | GGGG                 | 138                   | 32                   |
| 10838E                      | 4024N             | 2451-02423                              | 00000/0000       | 2-20023/0313        | 04/17/76        | 90           | 6280         | 49.7                  | 129.4               | GGGG                 | 138                   | 32                   |
| 10838E                      | 4023N             | 2433-02431                              | 00000/0000       | 2-20022/0983        | 03/30/76        | 0            | 6029         | 43.6                  | 133.7               | GGGG                 | 138                   | 32                   |
| 10838E                      | 4023N             | 2469-02420                              | 00000/0000       | 2-20024/1512        | 05/05/76        | 10           | 6531         | 54.6                  | 124.3               | FGGG                 | 138                   | 32                   |
| 10837E                      | 4020N             | 2559-02394                              | 00000/0000       | 2-20030/0599        | 08/03/76        | 90           | 7786         | 53.6                  | 119.1               | FGGG                 | 138                   | 32                   |
| 10837E                      | 3606N             | 2576-02344                              | 00000/0000       | 2-20030/1528        | 08/20/76        | 100          | 8023         | 51.7                  | 119.6               | FGFF                 | 137                   | 35                   |
| 10837E                      | 3604N             | 2558-02351                              | 00000/0000       | 2-20030/0534        | 08/02/76        | 50           | 7772         | 54.8                  | 112.2               | GGGG                 | 137                   | 35                   |
| 10837E                      | 3600N             | 2540-02354                              | 00000/0000       | 2-20028/1445        | 07/15/76        | 30           | 7521         | 57.2                  | 106.9               | GGGG                 | 137                   | 35                   |
| 10837E                      | 2605N             | 2448-02294                              | 00000/0000       | 2-20023/0136        | 04/14/76        | 10           | 6238         | 53.8                  | 111.1               | GGGG                 | 135                   | 42                   |
| 10836E                      | 4012N             | 2505-02411                              | 00000/0000       | 2-20026/1177        | 06/10/76        | 10           | 7033         | 58.8                  | 114.1               | FGGG                 | 138                   | 32                   |
| 10836E                      | 3604N             | 2432-02334                              | 00000/0000       | 2-20022/0902        | 03/29/76        | 80           | 6015         | 45.4                  | 129.5               | GGGG                 | 137                   | 35                   |
| 10836E                      | 3559N             | 2486-02371                              | 00000/0000       | 2-20025/0861        | 05/22/76        | 10           | 6768         | 58.6                  | 111.3               | GGGF                 | 137                   | 35                   |
| 10835E                      | 4018N             | 2487-02414                              | 00000/0000       | 2-20025/1193        | 05/23/76        | 10           | 6782         | 57.7                  | 118.6               | GGFG                 | 138                   | 32                   |
| 10835E                      | 4015N             | 2541-02401                              | 00000/0000       | 2-20028/1493        | 07/16/76        | 10           | 7535         | 56.4                  | 114.3               | GGGG                 | 138                   | 32                   |
| 10835E                      | 3554N             | 2504-02364                              | 00000/0000       | 2-20026/1075        | 06/09/76        | 10           | 7019         | 59.5                  | 106.4               | GGGG                 | 137                   | 35                   |
| 10834E                      | 3606V             | 2594-02341                              | 00000/0000       | 2-20032/0930        | 09/07/76        | 30           | 8274         | 47.9                  | 127.7               | GGGG                 | 137                   | 35                   |
| 10834E                      | 2600N             | 2430-02301                              | 00000/0000       | 2-20022/0706        | 03/27/76        | 90           | 5987         | 48.9                  | 118.9               | GGGG                 | 135                   | 42                   |
| 10833E                      | 4022N             | 2595-02334                              | 00000/0000       | 2-20032/1015        | 09/08/76        | 0            | 8288         | 45.5                  | 132.8               | GGGG                 | 138                   | 32                   |
| 10833E                      | 4013N             | 2523-02404                              | 00000/0000       | 2-20028/0237        | 06/28/76        | 10           | 7284         | 58.2                  | 112.4               | GGGG                 | 138                   | 32                   |
| 10832E                      | 3601N             | 2612-02334                              | 00000/0000       | 2-20032/1733        | 09/25/76        | 90           | 8525         | 43.3                  | 135.2               | GGGG                 | 137                   | 35                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>REV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | REV                                     |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 10832E                      | 3554N             | 2414-02392                              | 00000/0000       | 2-20021/1460        | 03/11/76        | 10           | 5764         | 39.1                  | 133.9               | GFGB                 | 137                   | 35                   |
| 10832E                      | 2602N             | 2718-02210                              | 00000/0000       | 2-20038/1244        | 01/09/77        | 90           | 3            | 29.4                  | 139.2               | GFGB                 | 138                   | 42                   |
| 10832E                      | 2559N             | 2662-02223                              | 00000/0000       | 2-20036/1866        | 12/04/76        | 100          | 9501         | 32.0                  | 143.2               | GGGF                 | 135                   | 42                   |
| 10831E                      | 2555N             | 2664-02232                              | 00000/0000       | 2-20036/0759        | 11/16/76        | 100          | 9250         | 35.7                  | 142.1               | GGGB                 | 135                   | 42                   |
| 10830E                      | 4017N             | 2613-02381                              | 00000/0000       | 2-20032/1875        | 09/26/76        | 30           | 8539         | 40.4                  | 139.4               | GGGB                 | 138                   | 32                   |
| 10829E                      | 2554N             | 2646-02240                              | 00000/0000       | 2-20035/0259        | 10/29/76        | 80           | 8999         | 40.2                  | 138.5               | GGGB                 | 135                   | 42                   |
| 10827E                      | 1425N             | 2374-02233                              | 00000/0000       | 2-20020/0569        | 01/31/76        | 70           | 5206         | 40.0                  | 128.6               | GFGB                 | 133                   | 50                   |
| 10825E                      | 3023N             | 2467-02333                              | 00000/0000       | 2-20024/1237        | 05/03/76        | 100          | 6503         | 56.9                  | 109.1               | GGGB                 | 136                   | 39                   |
| 10823E                      | 3026N             | 2449-02340                              | 00000/0000       | 2-20023/0188        | 04/15/76        | 80           | 6252         | 53.0                  | 116.9               | GGGB                 | 136                   | 39                   |
| 10820E                      | 5019N             | 2472-02562                              | 00000/0000       | 2-20024/1812        | 05/08/76        | 60           | 6573         | 50.5                  | 137.7               | GGGB                 | 141                   | 25                   |
| 10820E                      | 3019N             | 2431-02344                              | 00000/0000       | 2-20022/0741        | 03/28/76        | 90           | 6001         | 47.7                  | 123.5               | GFGB                 | 136                   | 39                   |
| 10819E                      | 5558N             | 2582-03031                              | 00000/0000       | 2-20032/0126        | 08/26/76        | 80           | 8107         | 40.0                  | 145.4               | GGGB                 | 143                   | 21                   |
| 10818E                      | 5553N             | 2474-03060                              | 00000/0000       | 2-20024/1892        | 05/10/76        | 90           | 6601         | 47.6                  | 144.7               | GGGB                 | 143                   | 21                   |
| 10818E                      | 5314N             | 2455-03014                              | 00000/0000       | 2-20024/0217        | 04/21/76        | 60           | 6336         | 43.8                  | 143.8               | GGGB                 | 142                   | 23                   |
| 10818E                      | 3022N             | 2719-02252                              | 00000/0000       | 2-20038/1218        | 01/10/77        | 30           | 17           | 26.7                  | 141.3               | GGGB                 | 136                   | 39                   |
| 10818E                      | 3017N             | 2611-02294                              | 00000/0000       | 2-20032/1823        | 09/24/76        | 90           | 8511         | 46.6                  | 129.1               | GGGB                 | 136                   | 39                   |
| 10817E                      | 3017N             | 2683-02270                              | 00000/0000       | 2-20037/0082        | 12/05/76        | 100          | 9515         | 28.8                  | 145.4               | GGGB                 | 136                   | 39                   |
| 10816E                      | 5555N             | 2564-03034                              | 00000/0000       | 2-20030/0936        | 08/08/76        | 80           | 7856         | 45.2                  | 141.7               | FGFB                 | 143                   | 21                   |
| 10816E                      | 5306N             | 2473-03011                              | 00000/0000       | 2-20024/1845        | 05/09/76        | 70           | 6587         | 49.1                  | 141.2               | GGGB                 | 142                   | 23                   |
| 10816E                      | 3013N             | 2665-02274                              | 00000/0000       | 2-20036/0863        | 11/17/76        | 90           | 9264         | 32.5                  | 144.8               | GGGB                 | 136                   | 39                   |
| 10816E                      | 3011N             | 2413-02351                              | 00000/0000       | 2-20021/1400        | 03/10/76        | 100          | 5750         | 41.8                  | 129.1               | GGFB                 | 136                   | 39                   |
| 10815E                      | 5553N             | 2600-03024                              | 00000/0000       | 2-20032/1110        | 09/13/76        | 90           | 8358         | 34.2                  | 149.4               | GGGB                 | 143                   | 21                   |
| 10815E                      | 3013N             | 2629-02290                              | 00000/0000       | 2-20034/0623        | 10/12/76        | 100          | 8762         | 42.0                  | 136.5               | GGGB                 | 136                   | 39                   |
| 10815E                      | 3012N             | 2647-02282                              | 00000/0000       | 2-20035/0295        | 10/30/76        | 60           | 9013         | 37.1                  | 141.8               | GGGB                 | 136                   | 39                   |
| 10815E                      | 2437N             | 2466-02293                              | 00000/0000       | 2-20024/1089        | 05/02/76        | 100          | 6489         | 57.2                  | 99.9                | GGGB                 | 135                   | 43                   |
| 10814E                      | 5020N             | 2580-02532                              | 00000/0000       | 2-20030/1812        | 08/24/76        | 30           | 8079         | 44.1                  | 138.7               | GGGB                 | 141                   | 25                   |
| 10814E                      | 2438N             | 2448-02300                              | 00000/0000       | 2-20023/0137        | 04/14/76        | 20           | 6238         | 54.0                  | 109.0               | GGGB                 | 135                   | 43                   |
| 10813E                      | 3442N             | 2450-02363                              | 00000/0000       | 2-20024/0011        | 04/16/76        | 50           | 6266         | 51.8                  | 122.4               | FGGB                 | 137                   | 36                   |
| 10813E                      | 3440N             | 2468-02380                              | 00000/0000       | 2-20024/1332        | 05/04/76        | 30           | 6517         | 56.2                  | 115.7               | FGGB                 | 137                   | 36                   |
| 10812E                      | 5544N             | 2546-03041                              | 00000/0000       | 2-20029/0092        | 07/21/76        | 60           | 7605         | 49.3                  | 139.0               | FGFB                 | 143                   | 21                   |
| 10812E                      | 0543S             | 2497-02085                              | 00000/0000       | 2-20026/0610        | 06/02/76        | 60           | 6921         | 42.7                  | 52.5                | FGGB                 | 130                   | 64                   |
| 10811E                      | 5310N             | 2581-02581                              | 00000/0000       | 2-20030/1838        | 08/25/76        | 60           | 8093         | 42.1                  | 142.1               | GGGB                 | 142                   | 23                   |
| 10811E                      | 2434N             | 2430-02304                              | 00000/0000       | 2-20022/0707        | 03/27/76        | 100          | 5987         | 49.4                  | 117.2               | GFGB                 | 135                   | 43                   |
| 10810E                      | 5544N             | 2528-03044                              | 00000/0000       | 2-20028/0796        | 07/03/76        | 90           | 7354         | 51.8                  | 138.3               | GGGB                 | 143                   | 21                   |
| 10810E                      | 5540N             | 2510-03051                              | 00000/0000       | 2-20026/1621        | 06/15/76        | 90           | 7103         | 52.6                  | 139.4               | GGGB                 | 143                   | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING

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FOR NON-US

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10810E 5007N                            | 2508-0255P        | 00000/0000 2-20026/1392                            | 06/13/76         | 100                 | 7075            | 55.5         | 130.8        |                                    |                     |                      |                       |                      |
| 10810E 5007N                            | 2526-0255D        | 00000/0000 2-20024/0409                            | 07/01/76         | 30                  | 7326            | 54.8         | 129.5        | GGGG                               |                     |                      | 141                   | 25                   |
| 10810E 3440N                            | 2576-02351        | 00000/0000 2-20030/1529                            | 08/20/76         | 90                  | 8023            | 52.2         | 117.6        | FFGG                               |                     |                      | 141                   | 25                   |
| 10810E 3438N                            | 2558-02364        | 00000/0000 2-20030/0535                            | 08/02/76         | 30                  | 7772            | 55.1         | 110.0        | GGGG                               |                     |                      | 137                   | 36                   |
| 10810E 3435N                            | 2540-02361        | 00000/0000 2-20028/1446                            | 07/15/76         | 20                  | 7521            | 57.3         | 104.4        | GGGG                               |                     |                      | 137                   | 36                   |
| 10810E 3433N                            | 2486-02373        | 00000/0000 2-20025/0862                            | 05/22/76         | 10                  | 6763            | 58.9         | 108.8        | GGGG                               |                     |                      | 137                   | 36                   |
| 10810E 0542S                            | 2443-02101        | 00000/0000 2-20027/1592                            | 04/09/76         | 40                  | 6168            | 48.3         | 71.8         | GGGG                               |                     |                      | 137                   | 36                   |
| 10810E 0545S                            | 2479-02091        | 00000/0000 2-20025/0433                            | 05/15/76         | 10                  | 6670            | 44.8         | 56.1         | GGGG                               |                     |                      | 130                   | 64                   |
| 10809E 3900N                            | 2577-02393        | 00000/0000 2-20030/1621                            | 08/21/76         | 10                  | 8037            | 50.5         | 123.9        | GGGG                               |                     |                      | 130                   | 64                   |
| 10809E 3858N                            | 2433-02433        | 00000/0000 2-20027/0984                            | 03/30/76         | 0                   | 6029            | 44.3         | 132.3        | GGGG                               |                     |                      | 138                   | 33                   |
| 10809E 3857N                            | 2469-02423        | 00000/0000 2-20024/1513                            | 05/05/76         | 10                  | 6531            | 55.1         | 122.1        | GGGG                               |                     |                      | 138                   | 33                   |
| 10809E 3439N                            | 2432-02390        | 00000/0000 2-20027/0903                            | 03/29/76         | 100                 | 6015            | 46.1         | 128.0        | GGGG                               |                     |                      | 137                   | 36                   |
| 10809E 3438N                            | 2702-02304        | 00000/0000 2-20037/1294                            | 12/24/76         | 70                  | 9780            | 23.6         | 146.0        | GGGG                               |                     |                      | 137                   | 36                   |
| 10809E 2435N                            | 2718-02213        | 00000/0000 2-20038/1230                            | 11/09/77         | 90                  | 3               | 30.4         | 138.5        | GGGG                               |                     |                      | 137                   | 36                   |
| 10809E 2433N                            | 2682-02230        | 00000/0000 2-20036/1867                            | 12/04/76         | 90                  | 9501            | 33.0         | 142.4        | GGGG                               |                     |                      | 135                   | 43                   |
| 10808E 5305N                            | 2563-02584        | 00000/0000 2-20030/0912                            | 08/07/76         | 100                 | 7842            | 47.1         | 137.9        | GGGG                               |                     |                      | 135                   | 43                   |
| 10808E 3858N                            | 2451-02430        | 00000/0000 2-20023/0314                            | 04/17/76         | 90                  | 6280            | 50.4         | 127.6        | GGGG                               |                     |                      | 142                   | 23                   |
| 10808E 3855N                            | 2559-02401        | 00000/0000 2-20030/0600                            | 08/03/76         | 90                  | 7786            | 54.0         | 116.9        | GGGG                               |                     |                      | 138                   | 33                   |
| 10808E 3441N                            | 2594-02344        | 00000/0000 2-20032/0931                            | 09/07/76         | 40                  | 8274            | 48.5         | 126.0        | GGGG                               |                     |                      | 138                   | 33                   |
| 10808E 3440N                            | 2720-02300        | 00000/0000 2-20038/1300                            | 01/11/77         | 10                  | 31              | 23.8         | 143.1        | GGGG                               |                     |                      | 137                   | 36                   |
| 10808E 3438N                            | 2684-02312        | 00000/0000 2-20037/0294                            | 12/06/76         | 100                 | 9529            | 25.4         | 147.5        | GGGG                               |                     |                      | 137                   | 36                   |
| 10808E 3428N                            | 2504-02371        | 00000/0000 2-20026/1076                            | 06/09/76         | 20                  | 7019            | 59.6         | 103.7        | GGGG                               |                     |                      | 137                   | 36                   |
| 10808E 2430N                            | 2610-02254        | 00000/0000 2-20032/1699                            | 09/23/76         | 90                  | 8497            | 49.3         | 122.1        | GGGG                               |                     |                      | 137                   | 36                   |
| 10808E 0545S                            | 2515-02082        | 00000/0000 2-20027/0156                            | 06/20/76         | 10                  | 7172            | 41.2         | 51.7         | GGGG                               |                     |                      | 135                   | 43                   |
| 10807E 2431N                            | 2394-02314        | 00000/0000 2-20021/0246                            | 02/20/76         | 100                 | 5485            | 38.9         | 130.1        | GGGG                               |                     |                      | 130                   | 64                   |
| 10807E 2428N                            | 2664-02234        | 00000/0000 2-20036/0760                            | 11/16/76         | 100                 | 9250            | 36.7         | 141.2        | GGGG                               |                     |                      | 135                   | 43                   |
| 10806E 3853N                            | 2487-02420        | 00000/0000 2-20025/1194                            | 05/23/76         | 20                  | 6782            | 58.1         | 116.2        | GGGG                               |                     |                      | 135                   | 43                   |
| 10806E 3849N                            | 2541-02404        | 00000/0000 2-20028/1494                            | 07/16/76         | 10                  | 7535            | 56.7         | 111.9        | GGGG                               |                     |                      | 138                   | 33                   |
| 10806E 3435N                            | 2612-02340        | 00000/0000 2-20032/1734                            | 09/25/76         | 50                  | 8525            | 44.1         | 133.8        | GGGG                               |                     |                      | 137                   | 36                   |
| 10806E 3429N                            | 2414-02394        | 00000/0000 2-20021/1461                            | 03/11/76         | 60                  | 5764            | 39.9         | 132.7        | GGGG                               |                     |                      | 137                   | 36                   |
| 10806E 2428N                            | 2646-02242        | 00000/0000 2-20035/0260                            | 10/29/76         | 100                 | 8999            | 41.1         | 137.4        | GGGG                               |                     |                      | 137                   | 36                   |
| 10806E 1258N                            | 2374-02240        | 00000/0000 2-20020/0570                            | 01/31/76         | 70                  | 5206            | 40.7         | 127.5        | GGGG                               |                     |                      | 135                   | 43                   |
| 10805E 5257N                            | 2545-02592        | 00000/0000 2-20028/1789                            | 07/20/76         | 70                  | 7591            | 51.0         | 134.9        | GGGG                               |                     |                      | 133                   | 51                   |
| 10805E 5253N                            | 2509-03002        | 00000/0000 2-20026/1592                            | 06/14/76         | 60                  | 7089            | 54.1         | 135.2        | GGGG                               |                     |                      | 142                   | 23                   |
| 10805E 3430N                            | 2666-02321        | 00000/0000 2-20036/0884                            | 11/18/76         | 0                   | 9278            | 29.1         | 147.2        | GGGG                               |                     |                      | 142                   | 23                   |
|                                         |                   |                                                    |                  |                     |                 |              |              |                                    |                     |                      | 137                   | 36                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10805E                                  | 2425N             | 2376-02321                                         | 00000/0000       | 2-20020/0704        | 02/02/76        | 50           | 5234         | 34.9                               | 135.2               | GGGG                 | 135                   | 43                   |
| 10804E                                  | 5255N             | 2527-02595                                         | 00000/0000       | 2-20024/0792        | 07/02/76        | 60           | 7340         | 53.4                               | 133.9               | GGGG                 | 142                   | 23                   |
| 10804E                                  | 0548S             | 2407-02112                                         | 00000/0000       | 2-20021/1032        | 03/04/76        | 100          | 5666         | 48.3                               | 93.2                | FGGG                 | 130                   | 64                   |
| 10803E                                  | 3857N             | 2595-02390                                         | 00000/0000       | 2-20032/1016        | 09/08/76        | 0            | 8288         | 46.2                               | 131.3               | GGGG                 | 138                   | 33                   |
| 10803E                                  | 3848N             | 2523-02411                                         | 00000/0000       | 2-20028/0238        | 06/28/76        | 10           | 7284         | 58.5                               | 103.9               | GGGG                 | 138                   | 33                   |
| 10802E                                  | 3427N             | 2630-02333                                         | 00000/0000       | 2-20034/0796        | 10/13/76        | 30           | 8776         | 39.1                               | 140.3               | GGGG                 | 137                   | 36                   |
| 10801E                                  | 3851N             | 2613-02353                                         | 00000/0000       | 2-20032/1876        | 09/26/76        | 10           | 8539         | 41.3                               | 138.1               | GGGG                 | 138                   | 33                   |
| 10800E                                  | 2857N             | 2467-02340                                         | 00000/0000       | 2-20024/1238        | 05/03/76        | 90           | 6503         | 57.1                               | 106.7               | GGGG                 | 136                   | 40                   |
| 10759E                                  | 2859N             | 2449-02343                                         | 00000/0000       | 2-20023/0189        | 04/15/76        | 90           | 6252         | 53.4                               | 114.8               | GGGG                 | 136                   | 40                   |
| 10755E                                  | 2853N             | 2431-02350                                         | 00000/0000       | 2-20022/0742        | 03/28/76        | 90           | 6001         | 48.2                               | 121.9               | GGFG                 | 136                   | 40                   |
| 10754E                                  | 2855N             | 2719-02255                                         | 00000/0000       | 2-20038/1219        | 01/10/77        | 20           | 17           | 27.6                               | 140.5               | GGGG                 | 136                   | 40                   |
| 10753E                                  | 2851N             | 2683-02272                                         | 00000/0000       | 2-20037/0083        | 12/05/76        | 100          | 9515         | 29.8                               | 144.7               | GGFG                 | 136                   | 40                   |
| 10751E                                  | 2847N             | 2665-02281                                         | 00000/0000       | 2-20036/0864        | 11/17/76        | 100          | 9264         | 33.5                               | 144.0               | GGGG                 | 136                   | 40                   |
| 10751E                                  | 2846N             | 2647-02285                                         | 00000/0000       | 2-20035/0296        | 10/30/76        | 70           | 9013         | 38.1                               | 140.8               | GGGG                 | 136                   | 40                   |
| 10751E                                  | 2845N             | 2413-02354                                         | 00000/0000       | 2-20021/1401        | 03/10/76        | 100          | 5750         | 42.5                               | 127.8               | GGFG                 | 136                   | 40                   |
| 10751E                                  | 2312N             | 2448-02303                                         | 00000/0000       | 2-20023/0138        | 04/14/76        | 30           | 6238         | 54.2                               | 106.9               | GGGG                 | 135                   | 44                   |
| 10751E                                  | 0709S             | 2497-02091                                         | 00000/0000       | 2-20026/0611        | 06/02/76        | 50           | 6921         | 41.6                               | 51.6                | GGGG                 | 130                   | 65                   |
| 10750E                                  | 0709S             | 2443-02104                                         | 00000/0000       | 2-20022/1593        | 04/09/76        | 20           | 6166         | 47.6                               | 70.4                | GGGG                 | 130                   | 65                   |
| 10750E                                  | 0711S             | 2479-02094                                         | 00000/0000       | 2-20025/0434        | 05/15/76        | 10           | 6670         | 43.8                               | 55.1                | GGGG                 | 130                   | 65                   |
| 10748E                                  | 3315N             | 2468-02383                                         | 00000/0000       | 2-20024/1333        | 05/04/76        | 60           | 6517         | 56.6                               | 113.4               | FFFF                 | 137                   | 37                   |
| 10748E                                  | 2308N             | 2430-02310                                         | 00000/0000       | 2-20022/0708        | 03/27/76        | 100          | 5987         | 49.8                               | 115.4               | FGGG                 | 135                   | 44                   |
| 10748E                                  | 0712S             | 2515-02085                                         | 00000/0000       | 2-20027/0157        | 06/20/76        | 10           | 7172         | 40.1                               | 50.9                | GGGG                 | 130                   | 65                   |
| 10747E                                  | 3316N             | 2450-02390                                         | 00000/0000       | 2-20024/0012        | 04/16/76        | 60           | 6266         | 52.3                               | 120.4               | FFFF                 | 137                   | 37                   |
| 10747E                                  | 2308N             | 2718-02215                                         | 00000/0000       | 2-20038/1245        | 01/09/77        | 90           | 3            | 31.3                               | 137.7               | GGGG                 | 135                   | 44                   |
| 10747E                                  | 2306N             | 2682-02232                                         | 00000/0000       | 2-20036/1868        | 12/04/76        | 90           | 9501         | 33.9                               | 141.6               | GGFG                 | 135                   | 44                   |
| 10746E                                  | 5718N             | 2475-03112                                         | 00000/0000       | 2-20025/0247        | 05/11/76        | 30           | 6615         | 46.9                               | 146.5               | FGGG                 | 144                   | 20                   |
| 10746E                                  | 1131N             | 2374-02242                                         | 00000/0000       | 2-20020/0571        | 01/31/76        | 20           | 5206         | 41.4                               | 126.3               | GGGG                 | 133                   | 52                   |
| 10745E                                  | 3309N             | 2540-02363                                         | 00000/0000       | 2-20028/1447        | 07/15/76        | 20           | 7521         | 57.4                               | 102.0               | GGGG                 | 137                   | 37                   |
| 10745E                                  | 2304N             | 2394-02321                                         | 00000/0000       | 2-20021/0247        | 02/20/76        | 100          | 5485         | 39.7                               | 128.9               | FFGF                 | 135                   | 44                   |
| 10744E                                  | 4151N             | 2452-02475                                         | 00000/0000       | 2-20023/0363        | 04/18/76        | 30           | 6294         | 49.3                               | 131.0               | GGGF                 | 139                   | 31                   |
| 10744E                                  | 3315N             | 2576-02353                                         | 00000/0000       | 2-20030/1530        | 08/20/76        | 70           | 8023         | 52.6                               | 115.6               | FGGG                 | 137                   | 37                   |
| 10744E                                  | 3313N             | 2432-02393                                         | 00000/0000       | 2-20027/0904        | 03/29/76        | 100          | 6015         | 46.8                               | 126.4               | GGGF                 | 137                   | 37                   |
| 10744E                                  | 3312N             | 2558-02360                                         | 00000/0000       | 2-20030/0536        | 08/02/76        | 60           | 7772         | 55.3                               | 107.7               | GGGG                 | 137                   | 37                   |
| 10744E                                  | 3307N             | 2486-02380                                         | 00000/0000       | 2-20025/0863        | 05/22/76        | 50           | 6768         | 59.0                               | 106.2               | FGGG                 | 137                   | 37                   |
| 10744E                                  | 2302N             | 2664-02241                                         | 00000/0000       | 2-20036/0761        | 11/16/76        | 100          | 9250         | 37.6                               | 140.2               | FGFG                 | 135                   | 44                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0797

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 10743E 4151N                | 2470-02472        | 00000/0000 2-20024/1408                 | 05/06/76         | 10                  | 6545            | 54.2         | 126.1        |                       |                     |                      |                       |                      |
| 10743E 3312N                | 2702-02310        | 00000/0000 2-20037/1295                 | 12/24/76         | 80                  | 9780            | 24.6         | 145.3        | GGGG                  |                     |                      | 139                   | 31                   |
| 10743E 2302N                | 2646-02245        | 00000/0000 2-20035/1261                 | 10/29/76         | 100                 | 8999            | 42.0         | 136.2        | GGGG                  |                     |                      | 137                   | 37                   |
| 10743E 2300N                | 2376-02323        | 00000/0000 2-20020/1705                 | 02/02/76         | 70                  | 5234            | 35.7         | 134.3        | GGGG                  |                     |                      | 135                   | 44                   |
| 10743E 0714S                | 2407-02115        | 00000/0000 2-20021/1033                 | 02/04/76         | 80                  | 5666            | 48.1         | 91.6         | GGGG                  |                     |                      | 135                   | 44                   |
| 10742E 4150N                | 2578-02443        | 00000/0000 2-20030/1690                 | 08/22/76         | 20                  | 8051            | 49.1         | 127.9        | GGGG                  |                     |                      | 130                   | 65                   |
| 10742E 3315N                | 2594-02350        | 00000/0000 2-20032/0932                 | 09/07/76         | 40                  | 8274            | 49.1         | 124.3        | GGGG                  |                     |                      | 139                   | 31                   |
| 10742E 3314N                | 2720-02302        | 00000/0000 2-20038/1301                 | 01/11/77         | 90                  | 31              | 24.8         | 142.5        | GGGG                  |                     |                      | 137                   | 37                   |
| 10742E 3312N                | 2684-02315        | 00000/0000 2-20037/0295                 | 12/06/76         | 100                 | 9529            | 26.5         | 146.8        | GGGG                  |                     |                      | 137                   | 37                   |
| 10742E 3303N                | 2504-02373        | 00000/0000 2-20026/1077                 | 06/09/76         | 70                  | 7019            | 59.6         | 101.0        | GGGG                  |                     |                      | 137                   | 37                   |
| 10741E 5719N                | 2583-03082        | 00000/0000 2-20032/0147                 | 08/27/76         | 10                  | 8121            | 38.8         | 147.1        | GGGG                  |                     |                      | 137                   | 37                   |
| 10741E 4147N                | 2434-02482        | 00000/0000 2-20022/1046                 | 03/31/76         | 20                  | 6043            | 43.2         | 134.9        | GGGG                  |                     |                      | 144                   | 20                   |
| 10741E 3732N                | 2433-02440        | 00000/0000 2-20022/0985                 | 03/30/76         | 10                  | 6029            | 45.1         | 130.8        | GGGG                  |                     |                      | 139                   | 31                   |
| 10741E 3309N                | 2612-02343        | 00000/0000 2-20032/1735                 | 09/25/76         | 70                  | 8525            | 44.8         | 132.5        | GGGG                  |                     |                      | 138                   | 34                   |
| 10740E 5714N                | 2601-03075        | 00000/0000 2-20034/0277                 | 09/14/76         | 70                  | 8372            | 32.9         | 150.9        | GGGG                  |                     |                      | 137                   | 37                   |
| 10740E 4146N                | 2560-02450        | 00000/0000 2-20030/0781                 | 08/04/76         | 10                  | 7800            | 52.9         | 121.6        | GGGG                  |                     |                      | 144                   | 20                   |
| 10740E 3734N                | 2577-02400        | 00000/0000 2-20030/1622                 | 08/21/76         | 30                  | 8037            | 51.0         | 122.0        | G                     |                     |                      | 139                   | 31                   |
| 10740E 3732N                | 2451-02432        | 00000/0000 2-20023/0315                 | 04/17/76         | 90                  | 6280            | 51.0         | 125.8        | GGGG                  |                     |                      | 138                   | 34                   |
| 10740E 3731N                | 2469-02425        | 00000/0000 2-20024/1514                 | 05/05/76         | 0                   | 6531            | 55.6         | 119.9        | FFGG                  |                     |                      | 138                   | 34                   |
| 10740E 3305N                | 2666-02323        | 00000/0000 2-20034/0885                 | 11/18/76         | 10                  | 9278            | 30.2         | 146.4        | GGGG                  |                     |                      | 138                   | 34                   |
| 10740E 3303N                | 2414-02401        | 00000/0000 2-20021/1462                 | 03/11/76         | 100                 | 5764            | 40.7         | 131.4        | GGGG                  |                     |                      | 137                   | 37                   |
| 10739E 5716N                | 2565-03085        | 00000/0000 2-20032/0214                 | 08/09/76         | 70                  | 7870            | 44.1         | 143.6        | GGGG                  |                     |                      | 137                   | 37                   |
| 10739E 4142N                | 2488-02445        | 00000/0000 2-20025/1208                 | 05/24/76         | 0                   | 6796            | 57.4         | 120.8        | GGGG                  |                     |                      | 144                   | 20                   |
| 10739E 3304N                | 2648-02332        | 00000/0000 2-20035/0348                 | 10/31/76         | 80                  | 9027            | 34.9         | 143.9        | GGGG                  |                     |                      | 139                   | 31                   |
| 10738E 5705N                | 2511-03103        | 00000/0000 2-20026/1549                 | 06/16/76         | 80                  | 7117            | 51.8         | 141.5        | GGGG                  |                     |                      | 137                   | 37                   |
| 10738E 3728N                | 2487-02423        | 00000/0000 2-20025/1195                 | 05/23/76         | 30                  | 6782            | 58.4         | 113.6        | GGGG                  |                     |                      | 144                   | 20                   |
| 10738E 3724N                | 2541-02410        | 00000/0000 2-20024/1495                 | 07/16/76         | 10                  | 7535            | 56.9         | 109.5        | GGGG                  |                     |                      | 138                   | 34                   |
| 10738E 3721N                | 2505-02420        | 00000/0000 2-20026/1178                 | 06/10/76         | 0                   | 7033            | 59.3         | 108.8        | GGGG                  |                     |                      | 138                   | 34                   |
| 10737E 4137N                | 2524-02460        | 00000/0000 2-20028/0361                 | 06/29/76         | 40                  | 7298            | 57.9         | 114.9        | GGGG                  |                     |                      | 139                   | 31                   |
| 10737E 4136N                | 2506-02463        | 00000/0000 2-20026/1669                 | 06/11/76         | 10                  | 7047            | 58.5         | 116.5        | GGGG                  |                     |                      | 139                   | 31                   |
| 10736E 5710N                | 2547-03093        | 00000/0000 2-20028/1601                 | 07/22/76         | 20                  | 7619            | 48.3         | 141.2        | GGGG                  |                     |                      | 144                   | 20                   |
| 10736E 5709N                | 2529-03100        | 00000/0000 2-20028/0340                 | 07/04/76         | 30                  | 7368            | 50.9         | 140.4        | GGGG                  |                     |                      | 144                   | 20                   |
| 10736E 3301N                | 2630-02340        | 00000/0000 2-20034/0797                 | 10/13/76         | 40                  | 8776            | 40.0         | 139.1        | GGGG                  |                     |                      | 137                   | 37                   |
| 10736E 2731N                | 2467-02342        | 00000/0000 2-20024/1239                 | 05/03/76         | 100                 | 6503            | 57.3         | 104.3        | GGGG                  |                     |                      | 136                   | 41                   |
| 10735E 5149N                | 2455-03020        | 00000/0000 2-20024/0218                 | 04/21/76         | 60                  | 6336            | 44.7         | 142.2        | GGGG                  |                     |                      | 142                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NSN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 10735E 4146N                | 2596-02440        | 00000/0000 2-20032/0021                 | 09/09/76         | 10                  | 8302            | 44.5         | 134.7        |                       |                     |                      |                       |                      |
| 10735E 4139N                | 2416-02490        | 00000/0000 2-20027/0043                 | 03/13/76         | 40                  | 5792            | 36.5         | 138.2        | GGGG                  |                     |                      | 139                   | 31                   |
| 10735E 3731N                | 2595-02393        | 00000/0000 2-20037/1017                 | 09/08/76         | 10                  | 8288            | 46.9         | 129.7        | GGGG                  |                     |                      | 139                   | 31                   |
| 10735E 3722N                | 2415-02443        | 00000/0000 2-20021/1499                 | 03/12/76         | 10                  | 5778            | 38.7         | 134.9        | GGGG                  |                     |                      | 138                   | 34                   |
| 10735E 2733N                | 2449-02345        | 00000/0000 2-20023/0190                 | 04/15/76         | 90                  | 6252            | 53.7         | 112.8        | FF G                  |                     |                      | 138                   | 34                   |
| 10734E 4143N                | 2614-02437        | 00000/0000 2-20034/0072                 | 09/27/76         | 50                  | 8553            | 39.2         | 141.0        | FGGG                  |                     |                      | 136                   | 41                   |
| 10734E 3721N                | 2523-02413        | 00000/0000 2-20028/0239                 | 06/28/76         | 10                  | 7284            | 58.7         | 107.3        | GGGG                  |                     |                      | 139                   | 31                   |
| 10733E 5141N                | 2473-03013        | 00000/0000 2-20024/1846                 | 05/09/76         | 60                  | 6587            | 50.0         | 139.3        | GGGG                  |                     |                      | 138                   | 34                   |
| 10731E 5433N                | 2582-03033        | 00000/0000 2-20032/0127                 | 08/26/76         | 60                  | 8107            | 40.9         | 143.9        | GGGG                  |                     |                      | 142                   | 24                   |
| 10730E 5429N                | 2474-03063        | 00000/0000 2-20024/1893                 | 05/10/76         | 90                  | 6601            | 48.5         | 142.9        | GGGG                  |                     |                      | 143                   | 22                   |
| 10730E 2728N                | 2719-02262        | 00000/0000 2-20038/1220                 | 01/10/77         | 20                  | 17              | 28.6         | 139.8        | GGGG                  |                     |                      | 143                   | 22                   |
| 10729E 5431N                | 2564-03040        | 00000/0000 2-20030/0937                 | 08/08/76         | 60                  | 7856            | 46.0         | 139.9        | GGGG                  |                     |                      | 136                   | 41                   |
| 10729E 5146N                | 2581-02534        | 00000/0000 2-20030/1839                 | 08/25/76         | 30                  | 8093            | 43.0         | 140.6        | GGGG                  |                     |                      | 143                   | 22                   |
| 10729E 2726N                | 2683-02275        | 00000/0000 2-20037/0084                 | 12/05/76         | 100                 | 9515            | 30.8         | 144.0        | GGGG                  |                     |                      | 142                   | 24                   |
| 10728E 5429N                | 2600-03030        | 00000/0000 2-20037/1111                 | 09/13/76         | 70                  | 8358            | 35.2         | 148.1        | GGGG                  |                     |                      | 136                   | 41                   |
| 10728E 2719N                | 2413-02360        | 00000/0000 2-20021/1402                 | 03/10/76         | 90                  | 5750            | 43.1         | 126.5        | GGGG                  |                     |                      | 143                   | 22                   |
| 10727E 2721N                | 2665-02283        | 00000/0000 2-20036/0865                 | 11/17/76         | 100                 | 9264            | 34.5         | 143.1        | GGFG                  |                     |                      | 136                   | 41                   |
| 10727E 2720N                | 2647-02291        | 00000/0000 2-20035/0297                 | 10/30/76         | 90                  | 9013            | 39.0         | 139.8        | GGGG                  |                     |                      | 136                   | 41                   |
| 10726E 5421N                | 2546-03043        | 00000/0000 2-20029/0093                 | 07/21/76         | 70                  | 7605            | 50.0         | 137.0        | GGGG                  |                     |                      | 143                   | 22                   |
| 10726E 5141N                | 2563-02591        | 00000/0000 2-20030/0913                 | 08/07/76         | 100                 | 7842            | 47.5         | 136.0        | GGGG                  |                     |                      | 142                   | 24                   |
| 10725E 1005N                | 2374-02245        | 00000/0000 2-20020/0572                 | 01/31/76         | 20                  | 5206            | 42.0         | 125.1        | PGFG                  |                     |                      | 133                   | 53                   |
| 10723E 5420N                | 2528-03051        | 00000/0000 2-20028/0797                 | 07/03/76         | 90                  | 7354            | 52.6         | 136.1        | GGGG                  |                     |                      | 143                   | 22                   |
| 10723E 5416N                | 2510-03054        | 00000/0000 2-20026/1622                 | 06/15/76         | 70                  | 7103            | 53.4         | 137.2        | GGGG                  |                     |                      | 143                   | 22                   |
| 10723E 5130N                | 2509-03004        | 00000/0000 2-20026/1593                 | 06/14/76         | 60                  | 7089            | 54.8         | 132.9        | GGGG                  |                     |                      | 142                   | 24                   |
| 10723E 3149N                | 2468-02385        | 00000/0000 2-20024/1334                 | 05/04/76         | 70                  | 6517            | 56.9         | 111.0        | GGFG                  |                     |                      | 137                   | 38                   |
| 10722E 5131N                | 2527-03001        | 00000/0000 2-20028/0793                 | 07/02/76         | 80                  | 7340            | 54.1         | 131.7        | GGGG                  |                     |                      | 142                   | 24                   |
| 10720E 1547N                | 2375-02285        | 00000/0000 2-20020/0788                 | 02/01/76         | 60                  | 5220            | 39.4         | 129.4        | GGGG                  |                     |                      | 134                   | 49                   |
| 10719E 3147N                | 2432-02395        | 00000/0000 2-20027/0905                 | 03/29/76         | 100                 | 6015            | 47.4         | 124.9        | GGGF                  |                     |                      | 137                   | 38                   |
| 10717E 3147N                | 2702-02313        | 00000/0000 2-20037/1296                 | 12/24/76         | 60                  | 9780            | 25.6         | 144.7        | FGGG                  |                     |                      | 137                   | 38                   |
| 10717E 3146N                | 2684-02321        | 00000/0000 2-20037/0296                 | 12/06/76         | 100                 | 9529            | 27.5         | 146.1        | GGGG                  |                     |                      | 137                   | 38                   |
| 10716E 3147N                | 2720-02305        | 00000/0000 2-20038/1302                 | 01/11/77         | 100                 | 31              | 25.8         | 141.8        | GGGG                  |                     |                      | 137                   | 38                   |
| 10716E 3143N                | 2612-02345        | 00000/0000 2-20032/1736                 | 09/25/76         | 50                  | 8525            | 45.6         | 131.0        | GGGG                  |                     |                      | 137                   | 38                   |
| 10714E 3139N                | 2666-02330        | 00000/0000 2-20036/0886                 | 11/18/76         | 50                  | 9278            | 31.2         | 145.7        | GGGG                  |                     |                      | 137                   | 38                   |
| 10714E 3138N                | 2414-02403        | 00000/0000 2-20021/1463                 | 03/11/76         | 100                 | 5764            | 41.4         | 130.2        | GGGG                  |                     |                      | 137                   | 38                   |
| 10714E 3138N                | 2648-02334        | 00000/0000 2-20035/0349                 | 10/31/76         | 90                  | 9027            | 35.9         | 143.0        | GGGG                  |                     |                      | 137                   | 38                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SRRIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|-----------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10713E 4026N                            | 2432-02482        | 00000/0000 2-20023/0364                       | 04/18/76         | 10                  | 6294            | 50.0         | 129.2        |                                    |                     |                      |                       |                      |
| 10713E 4025N                            | 2470-02475        | 00000/0000 2-20024/1409                       | 05/06/76         | 10                  | 6545            | 54.8         | 124.0        | GGGG                               |                     |                      | 139                   | 32                   |
| 10713E 3606N                            | 2433-02442        | 00000/0000 2-20022/0986                       | 03/30/76         | 10                  | 6029            | 45.8         | 129.3        | GGGG                               |                     |                      | 139                   | 32                   |
| 10713E 2605N                            | 2467-02345        | 00000/0000 2-20024/1240                       | 05/03/76         | 100                 | 6503            | 57.4         | 101.9        | GGGG                               |                     |                      | 138                   | 35                   |
| 10712E 3608N                            | 2577-02402        | 00000/0000 2-20030/1623                       | 08/21/76         | 90                  | 8037            | 51.5         | 120.1        | GGGG                               |                     |                      | 136                   | 42                   |
| 10712E 3607N                            | 2451-02435        | 00000/0000 2-20023/0316                       | 04/17/76         | 90                  | 6280            | 51.6         | 123.9        | GGGG                               |                     |                      | 138                   | 35                   |
| 10712E 3603N                            | 2559-02410        | 00000/0000 2-20030/0674                       | 08/03/76         | 90                  | 7786            | 54.7         | 12.5         | GGGG                               |                     |                      | 138                   | 35                   |
| 10712E 2607N                            | 2449-02352        | 00000/0000 2-20023/0191                       | 04/15/76         | 90                  | 6252            | 54.0         | 110.7        | FFFG                               |                     |                      | 136                   | 42                   |
| 10711E 4025N                            | 2578-02445        | 00000/0000 2-20030/1691                       | 02/22/76         | 20                  | 8051            | 49.7         | 126.1        | GGGG                               |                     |                      | 139                   | 32                   |
| 10711E 4021N                            | 2434-02485        | 00000/0000 2-20022/1047                       | 03/31/76         | 0                   | 6043            | 44.0         | 133.5        | GGGG                               |                     |                      | 139                   | 32                   |
| 10711E 3602N                            | 2487-02425        | 00000/0000 2-20025/1196                       | 05/23/76         | 20                  | 6782            | 58.7         | 111.1        | GGGG                               |                     |                      | 138                   | 35                   |
| 10711E 3136N                            | 2630-02342        | 00000/0000 2-20034/0771                       | 10/13/76         | 40                  | 8776            | 40.9         | 138.0        | GGGG                               |                     |                      | 137                   | 38                   |
| 10710E 4021N                            | 2560-02452        | 00000/0000 2-20030/0782                       | 08/04/76         | 10                  | 7800            | 53.4         | 119.5        | GGGG                               |                     |                      | 139                   | 32                   |
| 10710E 3559N                            | 2541-02413        | 00000/0000 2-20028/1496                       | 07/16/76         | 10                  | 7535            | 57.1         | 107.1        | GGGG                               |                     |                      | 138                   | 35                   |
| 10710E 3555N                            | 2505-02423        | 00000/0000 2-20026/1179                       | 06/10/76         | 0                   | 7033            | 59.5         | 106.2        | GGGG                               |                     |                      | 138                   | 35                   |
| 10708E 4016N                            | 2488-02472        | 00000/0000 2-20025/1209                       | 05/24/76         | 0                   | 6796            | 57.8         | 118.3        | GGGG                               |                     |                      | 139                   | 32                   |
| 10708E 3556N                            | 2415-02450        | 00000/0000 2-20021/1500                       | 03/12/76         | 10                  | 5778            | 39.5         | 133.7        | FFGF                               |                     |                      | 138                   | 35                   |
| 10708E 2601N                            | 2431-02355        | 00000/0000 2-20022/0743                       | 03/28/76         | 60                  | 6001            | 49.2         | 118.5        | GGGG                               |                     |                      | 136                   | 42                   |
| 10707E 4012N                            | 2524-02463        | 00000/0000 2-20028/0362                       | 06/29/76         | 60                  | 7298            | 58.2         | 112.4        | GGGG                               |                     |                      | 139                   | 32                   |
| 10707E 4011N                            | 2506-02465        | 00000/0000 2-20026/1670                       | 05/11/76         | 0                   | 7047            | 58.8         | 113.9        | GGGG                               |                     |                      | 139                   | 32                   |
| 10707E 3604N                            | 2595-02393        | 00000/0000 2-20032/1018                       | 09/08/76         | 90                  | 8288            | 47.6         | 128.1        | GGGG                               |                     |                      | 135                   | 35                   |
| 10707E 3555N                            | 2523-02420        | 00000/0000 2-20028/0240                       | 06/28/76         | 30                  | 7284            | 58.8         | 104.7        | GGGG                               |                     |                      | 138                   | 35                   |
| 10707E 2602N                            | 2719-02260        | 00000/0000 2-20038/1221                       | 01/10/77         | 20                  | 17              | 29.5         | 139.0        | GGGG                               |                     |                      | 136                   | 42                   |
| 10706E 4020N                            | 2596-02402        | 00000/0000 2-20032/0022                       | 09/09/76         | 10                  | 8302            | 45.2         | 133.2        | GGGG                               |                     |                      | 139                   | 32                   |
| 10706E 2559N                            | 2623-02261        | 00000/0000 2-20037/0085                       | 12/05/76         | 100                 | 9515            | 31.8         | 143.2        | GGGG                               |                     |                      | 136                   | 42                   |
| 10705E 4014N                            | 2416-02492        | 00000/0000 2-20027/0044                       | 03/13/76         | 40                  | 5792            | 37.4         | 137.0        | GGGG                               |                     |                      | 139                   | 32                   |
| 10705E 2553N                            | 2413-02363        | 00000/0000 2-20021/1403                       | 03/10/76         | 80                  | 5750            | 43.8         | 125.1        | GGGG                               |                     |                      | 136                   | 42                   |
| 10705E 0840N                            | 2374-02251        | 00000/0000 2-20020/0573                       | 01/31/76         | 10                  | 5206            | 42.6         | 123.8        | GGGG                               |                     |                      | 133                   | 54                   |
| 10704E 4018N                            | 2614-02435        | 00000/0000 2-20034/0073                       | 09/27/76         | 70                  | 8553            | 40.1         | 139.8        | GGGG                               |                     |                      | 139                   | 32                   |
| 10704E 2555N                            | 2665-02290        | 00000/0000 2-20036/0866                       | 11/17/76         | 90                  | 9264            | 35.5         | 142.2        | GGGG                               |                     |                      | 136                   | 42                   |
| 10703E 2554N                            | 2647-02294        | 00000/0000 2-20035/0298                       | 10/30/76         | 90                  | 9013            | 39.9         | 138.8        | GGGG                               |                     |                      | 136                   | 42                   |
| 10658E 3023N                            | 2468-02392        | 00000/0000 2-20024/1335                       | 05/04/76         | 90                  | 6517            | 57.1         | 108.6        | GGFF                               |                     |                      | 137                   | 39                   |
| 10657E 3024N                            | 2450-02395        | 00000/0000 2-20024/0013                       | 04/16/76         | 90                  | 6266            | 53.2         | 116.4        | GGGG                               |                     |                      | 137                   | 39                   |
| 10655E 5554N                            | 2475-03114        | 00000/0000 2-20025/0248                       | 05/11/76         | 20                  | 6615            | 47.8         | 144.6        | GGGG                               |                     |                      | 144                   | 21                   |
| 10655E 5024N                            | 2455-03023        | 00000/0000 2-20024/0219                       | 04/21/76         | 70                  | 6336            | 45.6         | 140.6        | GGGG                               |                     |                      | 142                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0800

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10654E 3021N                            | 2432-02402        | 00000/0000                                         | 2-20022/0906     | 03/29/76            | 100             | 6015         | 48.0         | 123.2                              | GGGG                |                      | 137                   | 39                   |
| 10652E 5016N                            | 2473-03020        | 00000/0000                                         | 2-20024/1847     | 05/09/76            | 30              | 6587         | 50.8         | 137.4                              | GGGG                |                      | 142                   | 25                   |
| 10652E 3021N                            | 2702-02315        | 00000/0000                                         | 2-20037/1297     | 12/24/76            | 70              | 9780         | 26.6         | 144.0                              | FGGG                |                      | 137                   | 39                   |
| 10652E 3020N                            | 2684-02324        | 00000/0000                                         | 2-20037/0297     | 12/06/76            | 100             | 9529         | 28.6         | 145.4                              | GGGG                |                      | 137                   | 39                   |
| 10651E 3021N                            | 2720-02311        | 00000/0000                                         | 2-20038/1303     | 01/11/77            | 100             | 31           | 26.7         | 141.1                              | GGGG                |                      | 137                   | 39                   |
| 10650E 5555N                            | 2583-03085        | 00000/0000                                         | 2-20032/0148     | 08/27/76            | 10              | 8121         | 39.7         | 145.6                              | GGGG                |                      | 144                   | 21                   |
| 10650E 3013N                            | 2666-02332        | 00000/0000                                         | 2-20036/0837     | 11/18/76            | 20              | 9278         | 32.2         | 144.9                              | GGGG                |                      | 137                   | 39                   |
| 10650E 3012N                            | 2414-02410        | 00000/0000                                         | 2-20021/1464     | 03/11/76            | 100             | 5764         | 42.1         | 128.9                              | FGGF                |                      | 137                   | 39                   |
| 10650E 3011N                            | 2648-02341        | 00000/0000                                         | 2-20035/0350     | 10/31/76            | 70              | 9027         | 36.8         | 142.1                              | GGGG                |                      | 137                   | 39                   |
| 10649E 5551N                            | 2601-03082        | 00000/0000                                         | 2-20034/0278     | 09/14/76            | 60              | 8372         | 33.9         | 149.6                              | GGGG                |                      | 144                   | 21                   |
| 10649E 5021N                            | 2581-02590        | 00000/0000                                         | 2-20030/1840     | 08/25/76            | 60              | 8093         | 43.8         | 139.0                              | GGGG                |                      | 142                   | 25                   |
| 10649E 2440N                            | 2449-02354        | 00000/0000                                         | 2-20023/0192     | 04/15/76            | 70              | 6252         | 54.2         | 108.6                              | GGGG                |                      | 136                   | 43                   |
| 10648E 5553N                            | 2565-03092        | 00000/0000                                         | 2-20032/0215     | 08/09/76            | 70              | 7870         | 45.0         | 141.8                              | GGGG                |                      | 144                   | 21                   |
| 10646E 5547N                            | 2547-03095        | 00000/0000                                         | 2-20028/1602     | 07/22/76            | 60              | 7619         | 49.1         | 139.2                              | GGGG                |                      | 144                   | 21                   |
| 10646E 5546N                            | 2529-03102        | 00000/0000                                         | 2-20028/0341     | 07/04/76            | 50              | 7368         | 51.7         | 138.3                              | GGGG                |                      | 144                   | 21                   |
| 10646E 5016N                            | 2563-02593        | 00000/0000                                         | 2-20030/0914     | 08/07/76            | 100             | 7842         | 46.6         | 134.2                              | GGGG                |                      | 142                   | 25                   |
| 10646E 3441N                            | 2451-02441        | 00000/0000                                         | 2-20023/0317     | 04/17/76            | 90              | 6280         | 52.1         | 122.0                              | GGGG                |                      | 138                   | 36                   |
| 10646E 3440N                            | 2433-02445        | 00000/0000                                         | 2-20022/0987     | 03/30/76            | 40              | 6029         | 46.4         | 127.7                              | GGGF                |                      | 138                   | 36                   |
| 10646E 3437N                            | 2559-02412        | 00000/0000                                         | 2-20030/0675     | 08/03/76            | 70              | 7786         | 54.9         | 110.3                              | GGGG                |                      | 138                   | 36                   |
| 10645E 5309N                            | 2582-03040        | 00000/0000                                         | 2-20032/0128     | 08/26/76            | 50              | 8107         | 41.8         | 142.3                              | FGGF                |                      | 143                   | 23                   |
| 10645E 5305N                            | 2474-03065        | 00000/0000                                         | 2-20024/1894     | 05/10/76            | 70              | 6601         | 49.4         | 141.0                              | GGGG                |                      | 143                   | 23                   |
| 10645E 3442N                            | 2577-02405        | 00000/0000                                         | 2-20030/1624     | 08/21/76            | 100             | 8037         | 52.0         | 118.1                              | FGGG                |                      | 138                   | 36                   |
| 10645E 2435N                            | 2431-02362        | 00000/0000                                         | 2-20022/0744     | 03/28/76            | 50              | 6001         | 49.7         | 116.8                              | GGGG                |                      | 136                   | 43                   |
| 10644E 5307N                            | 2564-03043        | 00000/0000                                         | 2-20030/0938     | 08/08/76            | 50              | 7856         | 46.8         | 138.1                              | FGGG                |                      | 143                   | 23                   |
| 10644E 3900N                            | 2452-02484        | 00000/0000                                         | 2-20023/0365     | 04/18/76            | 10              | 6294         | 50.7         | 127.4                              | GGGG                |                      | 139                   | 33                   |
| 10644E 3900N                            | 2470-02481        | 00000/0000                                         | 2-20024/1410     | 05/06/76            | 10              | 6545         | 55.3         | 121.8                              | GGGG                |                      | 139                   | 33                   |
| 10644E 3436N                            | 2487-02432        | 00000/0000                                         | 2-20025/1197     | 05/23/76            | 10              | 6782         | 58.9         | 108.5                              | GGGG                |                      | 138                   | 36                   |
| 10644E 0544S                            | 2444-02160        | 00000/0000                                         | 2-20027/1552     | 04/10/76            | 60              | 6182         | 48.2         | 71.2                               | GGGG                |                      | 131                   | 64                   |
| 10644E 0544S                            | 2498-02143        | 00000/0000                                         | 2-20026/0672     | 06/03/76            | 10              | 6935         | 42.6         | 52.4                               | GGGG                |                      | 131                   | 64                   |
| 10643E 5008N                            | 2545-03001        | 00000/0000                                         | 2-20028/1790     | 07/20/76            | 50              | 7591         | 52.3         | 130.7                              | GGGG                |                      | 142                   | 25                   |
| 10643E 5006N                            | 2509-03011        | 00000/0000                                         | 2-20026/1594     | 06/14/76            | 60              | 7089         | 55.5         | 130.6                              | FGGG                |                      | 142                   | 25                   |
| 10643E 3438N                            | 2703-02362        | 00000/0000                                         | 2-20037/1307     | 12/25/76            | 90              | 9794         | 23.5         | 145.8                              | P                   |                      | 138                   | 36                   |
| 10643E 3433N                            | 2541-02416        | 00000/0000                                         | 2-20028/1529     | 07/16/76            | 40              | 7535         | 57.2         | 104.6                              | GGGG                |                      | 138                   | 36                   |
| 10643E 3429N                            | 2505-02425        | 00000/0000                                         | 2-20026/1180     | 06/10/76            | 10              | 7033         | 59.6         | 103.5                              | GGGG                |                      | 138                   | 36                   |
| 10643E 0546S                            | 2480-02150        | 00000/0000                                         | 2-20025/0614     | 05/16/76            | 50              | 6684         | 44.6         | 55.8                               | GGG                 |                      | 131                   | 64                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0801

| PRINCIPAL POINT<br>OF IMAGE<br>LONG | PRINCIPAL POINT<br>LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBLI<br>MSG | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10642E                              | 5006N                  | 2527-03034        | 00000/0000                   | 2-20028/0794                | 07/02/76         | 90                  | 7340            | 54.7         | 129.4        | GGGG                               |                     |                      | 142                   | 25                   |
| 10642E                              | 3439N                  | 2721-02354        | 00000/0000                   | 2-20038/1377                | 01/12/77         | 10                  | 45              | 23.9         | 142.9        | G                                  |                     |                      | 138                   | 36                   |
| 10642E                              | 3436N                  | 2685-02371        | 00000/0000                   | 2-20037/0365                | 12/07/76         | 40                  | 9543            | 25.3         | 147.4        | GGGG                               |                     |                      | 138                   | 36                   |
| 10642E                              | 3431N                  | 2415-02452        | 00000/0000                   | 2-20021/1501                | 03/12/76         | 30                  | 5778            | 40.3         | 132.4        | GGGG                               |                     |                      | 138                   | 36                   |
| 10642E                              | 2427N                  | 2413-02365        | 00000/0000                   | 2-20021/1404                | 03/10/76         | 50                  | 5750            | 44.4         | 123.7        | GGGG                               |                     |                      | 136                   | 43                   |
| 10642E                              | 0548S                  | 2516-02141        | 00000/0000                   | 2-20027/0120                | 06/21/76         | 10                  | 7186            | 41.1         | 51.7         | GGGG                               |                     |                      | 131                   | 64                   |
| 10641E                              | 5257N                  | 2546-03050        | 00000/0000                   | 2-20029/0094                | 07/21/76         | 70                  | 7605            | 50.8         | 135.0        | GGGG                               |                     |                      | 143                   | 23                   |
| 10641E                              | 3859N                  | 2578-02452        | 00000/0000                   | 2-20030/1692                | 08/22/76         | 70                  | 8051            | 50.3         | 124.3        | GGGG                               |                     |                      | 139                   | 33                   |
| 10641E                              | 3856N                  | 2560-02455        | 00000/0000                   | 2-20030/0783                | 08/04/76         | 60                  | 7800            | 53.0         | 117.3        | GGGG                               |                     |                      | 139                   | 33                   |
| 10641E                              | 3438N                  | 2595-02402        | 00000/0000                   | 2-20032/1019                | 09/08/76         | 90                  | 8288            | 48.3         | 126.4        | GGGG                               |                     |                      | 138                   | 36                   |
| 10641E                              | 3429N                  | 2523-02422        | 00000/0000                   | 2-20022/0241                | 06/28/76         | 80                  | 7284            | 58.9         | 102.1        | GGGG                               |                     |                      | 138                   | 36                   |
| 10640E                              | 2429N                  | 2395-02372        | 00000/0000                   | 2-20021/0326                | 02/21/76         | 100                 | 5499            | 39.2         | 129.8        | GGGG                               |                     |                      | 136                   | 43                   |
| 10639E                              | 5256N                  | 2528-03053        | 00000/0000                   | 2-20028/0798                | 07/03/76         | 80                  | 7354            | 53.3         | 133.9        | GGGG                               |                     |                      | 143                   | 23                   |
| 10639E                              | 3851N                  | 2488-02474        | 00000/0000                   | 2-20025/1210                | 05/24/76         | 10                  | 6796            | 58.2         | 115.8        | GGGG                               |                     |                      | 139                   | 33                   |
| 10639E                              | 3429N                  | 2667-02375        | 00000/0000                   | 2-20036/1074                | 11/19/76         | 100                 | 9292            | 28.9         | 147.3        | GGGG                               |                     |                      | 138                   | 36                   |
| 10639E                              | 2425N                  | 2377-02375        | 00000/0000                   | 2-20020/0505                | 02/03/76         | 10                  | 5248            | 35.0         | 134.9        | F                                  |                     |                      | 136                   | 43                   |
| 10639E                              | 1255N                  | 2375-02294        | 00000/0000                   | 2-20020/0789                | 02/01/76         | 30                  | 5220            | 40.8         | 127.1        | GGGG                               |                     |                      | 134                   | 51                   |
| 10638E                              | 5252N                  | 2510-03060        | 00000/0000                   | 2-20026/1623                | 06/15/76         | 60                  | 7103            | 54.1         | 135.0        | GGGG                               |                     |                      | 143                   | 23                   |
| 10638E                              | 3857N                  | 2722-02400        | 00000/0000                   | 2-20038/1467                | 01/13/77         | 10                  | 59              | 21.0         | 144.7        | F                                  |                     |                      | 139                   | 33                   |
| 10638E                              | 3851N                  | 2686-02413        | 00000/0000                   | 2-20037/0387                | 12/08/76         | 10                  | 9557            | 21.9         | 149.3        | GGGG                               |                     |                      | 139                   | 33                   |
| 10638E                              | 3847N                  | 2524-02465        | 00000/0000                   | 2-20028/0363                | 06/29/76         | 30                  | 7298            | 58.4         | 109.8        | GGGG                               |                     |                      | 139                   | 33                   |
| 10638E                              | 3845N                  | 2506-02472        | 00000/0000                   | 2-20026/1671                | 06/11/76         | 0                   | 7047            | 59.1         | 111.3        | GGGG                               |                     |                      | 139                   | 33                   |
| 10638E                              | 3430N                  | 2649-02323        | 00000/0000                   | 2-20035/0378                | 11/01/76         | 70                  | 9041            | 33.6         | 145.0        | GGGG                               |                     |                      | 138                   | 36                   |
| 10638E                              | 3427N                  | 2631-02391        | 00000/0000                   | 2-20034/0832                | 10/14/76         | 70                  | 8790            | 38.8         | 140.6        | GGG                                |                     |                      | 138                   | 36                   |
| 10637E                              | 3855N                  | 2596-02445        | 00000/0000                   | 2-20032/0023                | 09/09/76         | 10                  | 8302            | 46.0         | 131.6        | GGGF                               |                     |                      | 139                   | 33                   |
| 10637E                              | 3848N                  | 2416-02495        | 00000/0000                   | 2-20022/0045                | 03/13/76         | 80                  | 5792            | 38.2         | 135.9        | GGGG                               |                     |                      | 139                   | 33                   |
| 10636E                              | 3849N                  | 2668-02422        | 00000/0000                   | 2-20036/1104                | 11/20/76         | 0                   | 9306            | 25.4         | 149.5        | GGGG                               |                     |                      | 139                   | 33                   |
| 10635E                              | 3852N                  | 2614-02441        | 00000/0000                   | 2-20034/0074                | 09/27/76         | 30                  | 8543            | 41.0         | 138.5        | GGGG                               |                     |                      | 139                   | 33                   |
| 10635E                              | 3846N                  | 2650-02430        | 00000/0000                   | 2-20035/0460                | 11/02/76         | 20                  | 9055            | 30.2         | 147.7        | GGGG                               |                     |                      | 139                   | 33                   |
| 10634E                              | 3845N                  | 2632-02434        | 00000/0000                   | 2-20034/0666                | 10/15/76         | 10                  | 8804            | 35.6         | 144.0        | GGGG                               |                     |                      | 139                   | 33                   |
| 10633E                              | 2858N                  | 2450-02401        | 00000/0000                   | 2-20024/0014                | 04/16/76         | 70                  | 6266            | 53.6         | 114.4        | GGGG                               |                     |                      | 137                   | 40                   |
| 10633E                              | 2857N                  | 2468-02394        | 00000/0000                   | 2-20024/1336                | 05/04/76         | 90                  | 6517            | 57.3         | 106.2        | GGGF                               |                     |                      | 137                   | 40                   |
| 10630E                              | 2855N                  | 2432-02404        | 00000/0000                   | 2-20022/0907                | 03/29/76         | 100                 | 6015            | 48.5         | 121.6        | GGFF                               |                     |                      | 137                   | 40                   |
| 10628E                              | 2854N                  | 2684-02330        | 00000/0000                   | 2-20037/0298                | 12/06/76         | 100                 | 9529            | 29.6         | 144.7        | GGGG                               |                     |                      | 137                   | 40                   |
| 10628E                              | 2854N                  | 2702-02322        | 00000/0000                   | 2-20037/1298                | 12/24/76         | 90                  | 9780            | 27.6         | 143.3        | GGGG                               |                     |                      | 137                   | 40                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10627E 2854N                            | 2720-02314        | 00000/0000                   | 2-20038/1304                | 01/11/77         | 100                 | 31              | 27.7         | 140.3        | GGGG                               |                     |                      | 137                   | 40                   |
| 10626E 2847N                            | 2666-02335        | 00000/0000                   | 2-20036/0888                | 11/18/76         | 70                  | 9278            | 33.2         | 144.0        | GGGG                               |                     |                      | 137                   | 40                   |
| 10626E 2846N                            | 2648-02343        | 00000/0000                   | 2-20035/0351                | 10/31/76         | 30                  | 9027            | 37.8         | 141.1        | GGGG                               |                     |                      | 137                   | 40                   |
| 10626E 2846N                            | 2414-02412        | 00000/0000                   | 2-20021/1465                | 03/11/76         | 100                 | 5764            | 42.8         | 127.5        | GGGG                               |                     |                      | 137                   | 40                   |
| 10624E 0711S                            | 2444-02162        | 00000/0000                   | 2-20027/1553                | 04/10/76         | 40                  | 6182            | 47.5         | 69.8         | GGGG                               |                     |                      | 131                   | 65                   |
| 10624E 0711S                            | 2498-02150        | 00000/0000                   | 2-20026/0673                | 06/03/76         | 60                  | 6935            | 41.5         | 51.5         | GGGG                               |                     |                      | 131                   | 65                   |
| 10623E 0712S                            | 2430-02152        | 00000/0000                   | 2-20025/0615                | 05/16/76         | 20                  | 6684            | 43.6         | 54.8         | GGG                                |                     |                      | 131                   | 65                   |
| 10622E 0714S                            | 2516-02143        | 00000/0000                   | 2-20027/0121                | 06/21/76         | 10                  | 7186            | 40.0         | 50.9         | FGGG                               |                     |                      | 131                   | 65                   |
| 10621E 3313N                            | 2469-02441        | 00000/0000                   | 2-20024/1515                | 05/05/76         | 20                  | 6531            | 56.8         | 112.9        | FGGG                               |                     |                      | 138                   | 37                   |
| 10620E 3314N                            | 2433-02451        | 00000/0000                   | 2-20027/0988                | 03/30/76         | 60                  | 6029            | 47.1         | 126.2        | GGGF                               |                     |                      | 138                   | 37                   |
| 10620E 3314N                            | 2451-02444        | 00000/0000                   | 2-20023/0318                | 04/17/76         | 80                  | 6280            | 52.6         | 120.0        | GGGG                               |                     |                      | 138                   | 37                   |
| 10620E 3310N                            | 2559-02415        | 00000/0000                   | 2-20030/0676                | 08/03/76         | 50                  | 7786            | 55.1         | 108.1        | GGGG                               |                     |                      | 138                   | 37                   |
| 10619E 1129N                            | 2375-02301        | 00000/0000                   | 2-20026/0790                | 02/01/76         | 20                  | 5220            | 41.5         | 125.9        | GGGG                               |                     |                      | 134                   | 52                   |
| 10618E 3316N                            | 2577-02411        | 00000/0000                   | 2-20030/1625                | 08/21/76         | 100                 | 8037            | 52.4         | 116.1        | FGGG                               |                     |                      | 138                   | 37                   |
| 10618E 3309N                            | 2487-02434        | 00000/0000                   | 2-20025/1198                | 05/23/76         | 10                  | 6782            | 59.1         | 105.9        | GGGG                               |                     |                      | 138                   | 37                   |
| 10618E 3308N                            | 2541-02422        | 00000/0000                   | 2-20028/1530                | 07/16/76         | 70                  | 7535            | 57.3         | 102.2        | GGGG                               |                     |                      | 138                   | 37                   |
| 10617E 3312N                            | 2703-02365        | 00000/0000                   | 2-20037/1308                | 12/25/76         | 100                 | 9794            | 24.5         | 145.2        | GGGG                               |                     |                      | 138                   | 37                   |
| 10617E 3303N                            | 2505-02432        | 00000/0000                   | 2-20026/1181                | 06/10/76         | 10                  | 7033            | 59.6         | 100.8        | GGGG                               |                     |                      | 138                   | 37                   |
| 10616E 3313N                            | 2721-02360        | 00000/0000                   | 2-20038/1365                | 01/12/77         | 90                  | 45              | 24.9         | 142.3        | GGGG                               |                     |                      | 138                   | 37                   |
| 10616E 3311N                            | 2685-02373        | 00000/0000                   | 2-20037/0366                | 12/07/76         | 60                  | 9543            | 26.3         | 146.8        | GGGG                               |                     |                      | 138                   | 37                   |
| 10616E 3305N                            | 2415-02455        | 00000/0000                   | 2-20021/1502                | 03/12/76         | 60                  | 5778            | 41.0         | 131.2        | FFFF                               |                     |                      | 138                   | 37                   |
| 10616E 1715N                            | 2376-02341        | 00000/0000                   | 2-20020/0774                | 02/02/76         | 60                  | 5234            | 38.8         | 130.2        | GGGG                               |                     |                      | 135                   | 48                   |
| 10615E 3734N                            | 2452-02431        | 00000/0000                   | 2-20023/0366                | 04/18/76         | 10                  | 6294            | 51.3         | 125.5        | GGGG                               |                     |                      | 139                   | 34                   |
| 10615E 3313N                            | 2595-02404        | 00000/0000                   | 2-20032/1020                | 09/08/76         | 90                  | 8288            | 48.9         | 124.7        | GGGG                               |                     |                      | 138                   | 37                   |
| 10615E 3303N                            | 2523-02425        | 00000/0000                   | 2-20028/0242                | 06/28/76         | 100                 | 7284            | 58.8         | 99.5         | GGGG                               |                     |                      | 138                   | 37                   |
| 10614E 3307N                            | 2613-02401        | 00000/0000                   | 2-20032/1877                | 09/26/76         | 20                  | 8539            | 44.6         | 132.8        | GGGG                               |                     |                      | 138                   | 37                   |
| 10614E 3304N                            | 2667-02382        | 00000/0000                   | 2-20036/1075                | 11/19/76         | 100                 | 9292            | 29.9         | 146.5        | GGGG                               |                     |                      | 138                   | 37                   |
| 10613E 3733N                            | 2578-02454        | 00000/0000                   | 2-20030/1693                | 08/22/76         | 80                  | 8051            | 50.8         | 122.4        | GGGG                               |                     |                      | 139                   | 34                   |
| 10613E 3731N                            | 2560-02461        | 00000/0000                   | 2-20030/0784                | 08/04/76         | 90                  | 7800            | 54.2         | 115.1        | GGGG                               |                     |                      | 139                   | 34                   |
| 10613E 3730N                            | 2434-02494        | 00000/0000                   | 2-20027/1048                | 03/31/76         | 20                  | 6043            | 45.4         | 130.5        | GGGG                               |                     |                      | 139                   | 34                   |
| 10613E 3304N                            | 2649-02390        | 00000/0000                   | 2-20035/0379                | 11/01/76         | 90                  | 9041            | 34.6         | 144.1        | GGGG                               |                     |                      | 138                   | 37                   |
| 10612E 3302N                            | 2631-02394        | 00000/0000                   | 2-20034/0833                | 10/14/76         | 80                  | 8790            | 39.7         | 139.5        | GGGG                               |                     |                      | 138                   | 37                   |
| 10611E 3730N                            | 2704-02411        | 00000/0000                   | 2-20038/0326                | 12/26/76         | 10                  | 9808            | 21.4         | 147.0        | GGGG                               |                     |                      | 139                   | 34                   |
| 10610E 3732N                            | 2722-02403        | 00000/0000                   | 2-20038/1468                | 01/13/77         | 60                  | 59              | 22.0         | 144.1        | GGGG                               |                     |                      | 139                   | 34                   |
| 10610E 3726N                            | 2488-02481        | 00000/0000                   | 2-20025/1211                | 05/24/76         | 30                  | 6796            | 58.5         | 113.3        | FFGG                               |                     |                      | 139                   | 34                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0803

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10610E 3725N                            | 2686-02420        | 00000/0000                   | 2-20037/0388                | 12/08/76         | 0                   | 9557            | 23.0         | 148.7        | GGGG                               |                     |                      | 139                   | 34                   |
| 10610E 3721N                            | 2524-02472        | 00000/0000                   | 2-20024/0364                | 06/29/76         | 10                  | 7298            | 58.6         | 107.3        | GGGG                               |                     |                      | 139                   | 34                   |
| 10610E 3720N                            | 2506-02474        | 00000/0000                   | 2-20026/1672                | 06/11/76         | 0                   | 7047            | 59.3         | 108.6        | GGGG                               |                     |                      | 139                   | 34                   |
| 10610E 2730N                            | 2468-02401        | 00000/0000                   | 2-20024/1337                | 05/04/76         | 100                 | 6517            | 57.4         | 103.8        | FFFF                               |                     |                      | 137                   | 41                   |
| 10609E 3730N                            | 2596-02451        | 00000/0000                   | 2-20032/0024                | 09/09/76         | 40                  | 8302            | 46.7         | 130.1        | GGGG                               |                     |                      | 139                   | 34                   |
| 10609E 3723N                            | 2416-02501        | 00000/0000                   | 2-20027/0046                | 03/13/76         | 70                  | 5792            | 39.0         | 134.7        | GGGG                               |                     |                      | 139                   | 34                   |
| 10609E 2731N                            | 2450-02404        | 00000/0000                   | 2-20024/0015                | 04/16/76         | 80                  | 6266            | 53.9         | 112.3        | GGGG                               |                     |                      | 137                   | 41                   |
| 10608E 5147N                            | 2456-03075        | 00000/0000                   | 2-20024/0338                | 04/22/76         | 10                  | 6350            | 45.0         | 142.0        | FGGG                               |                     |                      | 143                   | 24                   |
| 10607E 5430N                            | 2475-03121        | 00000/0000                   | 2-20025/0249                | 05/11/76         | 50                  | 6615            | 48.7         | 142.8        | FGGG                               |                     |                      | 144                   | 22                   |
| 10607E 3726N                            | 2614-02444        | 00000/0000                   | 2-20034/0051                | 09/27/76         | 30                  | 8553            | 41.9         | 137.3        | FGGG                               |                     |                      | 139                   | 34                   |
| 10607E 3724N                            | 2658-02424        | 00000/0000                   | 2-20036/1105                | 11/20/76         | 10                  | 9306            | 26.5         | 148.8        | FGGG                               |                     |                      | 139                   | 34                   |
| 10607E 3721N                            | 2650-02433        | 00000/0000                   | 2-20035/0461                | 11/02/76         | 40                  | 9055            | 31.2         | 146.9        | GGGG                               |                     |                      | 139                   | 34                   |
| 10606E 3720N                            | 2632-02441        | 00000/0000                   | 2-20034/0667                | 10/15/76         | 50                  | 8804            | 36.6         | 143.0        | FGGG                               |                     |                      | 139                   | 34                   |
| 10606E 2729N                            | 2432-02411        | 00000/0000                   | 2-20022/0908                | 03/29/76         | 100                 | 6015            | 49.0         | 119.9        | GGGG                               |                     |                      | 137                   | 41                   |
| 10604E 2728N                            | 2684-02333        | 00000/0000                   | 2-20037/0299                | 12/06/76         | 100                 | 9529            | 30.6         | 144.0        | GGGG                               |                     |                      | 137                   | 41                   |
| 10604E 2728N                            | 2702-02324        | 00000/0000                   | 2-20037/1277                | 12/24/76         | 90                  | 9780            | 28.6         | 142.6        | FGGG                               |                     |                      | 137                   | 41                   |
| 10603E 5145N                            | 2582-03042        | 00000/0000                   | 2-20032/0129                | 08/26/76         | 70                  | 8107            | 42.7         | 140.8        | GGGG                               |                     |                      | 143                   | 24                   |
| 10603E 5140N                            | 2474-03072        | 00000/0000                   | 2-20024/1895                | 05/10/76         | 80                  | 6601            | 50.2         | 139.1        | GGGG                               |                     |                      | 143                   | 24                   |
| 10603E 2728N                            | 2720-02320        | 00000/0000                   | 2-20034/1305                | 01/11/77         | 100                 | 31              | 28.6         | 139.6        | GGG                                |                     |                      | 137                   | 41                   |
| 10603E 2721N                            | 2666-02341        | 00000/0000                   | 2-20036/0889                | 11/18/76         | 90                  | 9278            | 34.2         | 143.2        | GGGG                               |                     |                      | 137                   | 41                   |
| 10602E 5431N                            | 2583-03091        | 00000/0000                   | 2-20037/0149                | 08/27/76         | 10                  | 8121            | 40.7         | 144.1        | GGGG                               |                     |                      | 144                   | 22                   |
| 10602E 5143N                            | 2564-03045        | 00000/0000                   | 2-20030/0939                | 08/08/76         | 50                  | 7856            | 47.6         | 136.3        | FFFF                               |                     |                      | 143                   | 24                   |
| 10602E 2720N                            | 2414-02415        | 00000/0000                   | 2-20021/1466                | 03/11/76         | 90                  | 5764            | 43.4         | 126.2        | GGGG                               |                     |                      | 137                   | 41                   |
| 10602E 2720N                            | 2648-02350        | 00000/0000                   | 2-20035/0352                | 10/31/76         | 50                  | 9027            | 38.7         | 140.1        | GGGG                               |                     |                      | 137                   | 41                   |
| 10601E 5429N                            | 2565-03094        | 00000/0000                   | 2-20032/0216                | 08/09/76         | 70                  | 7870            | 45.8         | 140.0        | GGGG                               |                     |                      | 144                   | 22                   |
| 10601E 5427N                            | 2601-03084        | 00000/0000                   | 2-20034/0279                | 09/14/76         | 40                  | 8372            | 34.9         | 148.3        | GGGG                               |                     |                      | 144                   | 22                   |
| 10601E 5419N                            | 2511-03112        | 00000/0000                   | 2-20026/1550                | 06/16/76         | 80                  | 7117            | 53.4         | 137.2        | GGGG                               |                     |                      | 144                   | 22                   |
| 10559E 5424N                            | 2547-03102        | 00000/0000                   | 2-20028/1603                | 07/22/76         | 90                  | 7619            | 49.8         | 137.2        | GGGG                               |                     |                      | 144                   | 22                   |
| 10559E 5134N                            | 2546-03052        | 00000/0000                   | 2-20029/0095                | 07/21/76         | 50                  | 7605            | 51.5         | 132.9        | GGGG                               |                     |                      | 143                   | 24                   |
| 10558E 5422N                            | 2529-03105        | 00000/0000                   | 2-20024/0342                | 07/04/76         | 90                  | 7368            | 52.5         | 136.1        | GGGG                               |                     |                      | 144                   | 22                   |
| 10558E 1003N                            | 2375-02303        | 00000/0000                   | 2-20020/0791                | 02/01/76         | 20                  | 5320            | 42.2         | 124.7        | GGGG                               |                     |                      | 134                   | 53                   |
| 10557E 5132N                            | 2528-03080        | 00000/0000                   | 2-20028/0799                | 07/03/76         | 40                  | 7354            | 54.0         | 131.7        | GGGG                               |                     |                      | 143                   | 24                   |
| 10556E 5129N                            | 2510-03063        | 00000/0000                   | 2-20026/1624                | 06/15/76         | 80                  | 7103            | 54.8         | 132.8        | GGGG                               |                     |                      | 143                   | 24                   |
| 10556E 3147N                            | 2469-02443        | 00000/0000                   | 2-20024/1516                | 05/05/76         | 10                  | 6531            | 57.1         | 110.6        | FGGG                               |                     |                      | 138                   | 38                   |
| 10555E 3148N                            | 2451-02450        | 00000/0000                   | 2-20023/0319                | 04/17/76         | 50                  | 6280            | 53.1         | 118.0        | FGGG                               |                     |                      | 138                   | 38                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0804

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RBLI | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 10555E                      | 1549N             | 2376-02344            | 00000/0000           | 2-20020/0775     | 02/02/76            | 10              | 5234         | 39.6         | 129.1                 | GFGG                |                      | 135                   | 49                   |
| 10554E                      | 3148N             | 2433-02454            | 00000/0000           | 2-20022/0989     | 03/30/76            | 50              | 6029         | 47.7         | 124.5                 | FGG                 |                      | 138                   | 38                   |
| 10552E                      | 3146N             | 2703-02371            | 00000/0000           | 2-20037/1309     | 12/25/76            | 100             | 9794         | 25.6         | 144.5                 | GGGG                |                      | 138                   | 38                   |
| 10551E                      | 3147N             | 2721-02363            | 00000/0000           | 2-20038/1366     | 01/12/77            | 60              | 45           | 25.8         | 141.6                 | GGGG                |                      | 138                   | 38                   |
| 10551E                      | 3139N             | 2415-02461            | 00000/0000           | 2-20021/1503     | 03/12/76            | 80              | 5778         | 41.7         | 129.9                 | FFFF                |                      | 138                   | 38                   |
| 10550E                      | 3145N             | 2685-02380            | 00000/0000           | 2-20037/0367     | 12/07/76            | 90              | 9543         | 27.4         | 146.1                 | GGGG                |                      | 138                   | 38                   |
| 10548E                      | 3608N             | 2470-02490            | 00000/0000           | 2-20024/1411     | 05/06/76            | 0               | 6545         | 56.2         | 117.3                 | GGGG                |                      | 139                   | 35                   |
| 10548E                      | 3139N             | 2667-02384            | 00000/0000           | 2-20036/1076     | 11/19/76            | 100             | 9292         | 31.0         | 145.7                 | GGGG                |                      | 138                   | 38                   |
| 10548E                      | 3138N             | 2649-02392            | 00000/0000           | 2-20035/0380     | 11/01/76            | 100             | 9041         | 35.6         | 143.2                 | GGGG                |                      | 138                   | 38                   |
| 10547E                      | 3609N             | 2452-02493            | 00000/0000           | 2-20023/0367     | 04/18/76            | 10              | 6294         | 51.9         | 123.6                 | GGGG                |                      | 139                   | 35                   |
| 10547E                      | 2604N             | 2468-02403            | 00000/0000           | 2-20024/1338     | 05/04/76            | 90              | 6517         | 57.5         | 101.4                 | FFFG                |                      | 137                   | 42                   |
| 10546E                      | 4023N             | 2435-02543            | 00000/0000           | 2-20027/1116     | 04/01/76            | 10              | 6057         | 44.3         | 133.3                 | FFGG                |                      | 140                   | 32                   |
| 10546E                      | 3604N             | 2434-02500            | 00000/0000           | 2-20027/1049     | 03/31/76            | 40              | 6043         | 46.1         | 129.0                 | GGGG                |                      | 139                   | 35                   |
| 10545E                      | 3607N             | 2578-02461            | 00000/0000           | 2-20030/1694     | 08/22/76            | 90              | 8051         | 51.3         | 120.5                 | GGGG                |                      | 139                   | 35                   |
| 10545E                      | 3605N             | 2560-02464            | 00000/0000           | 2-20030/0785     | 08/04/76            | 90              | 7800         | 54.5         | 113.0                 | GGGG                |                      | 139                   | 35                   |
| 10545E                      | 2605N             | 2450-02410            | 00000/0000           | 2-20024/0016     | 04/16/76            | 60              | 6266         | 54.2         | 110.2                 | GGGG                |                      | 137                   | 42                   |
| 10544E                      | 4020N             | 2471-02533            | 00000/0000           | 2-20024/1707     | 05/07/76            | 10              | 6559         | 55.1         | 123.6                 | FFFG                |                      | 140                   | 32                   |
| 10543E                      | 3606N             | 2722-02405            | 00000/0000           | 2-20038/1469     | 01/13/77            | 70              | 59           | 23.0         | 143.4                 | GGGG                |                      | 139                   | 35                   |
| 10543E                      | 3604N             | 2704-02414            | 00000/0000           | 2-20038/0327     | 12/26/76            | 70              | 9808         | 22.4         | 146.3                 | GGGG                |                      | 139                   | 35                   |
| 10543E                      | 3601N             | 2488-02483            | 00000/0000           | 2-20025/1212     | 05/24/76            | 50              | 6796         | 58.8         | 110.7                 | GGGG                |                      | 139                   | 35                   |
| 10543E                      | 3600N             | 2686-02422            | 00000/0000           | 2-20037/0389     | 12/08/76            | 0               | 9557         | 24.1         | 148.0                 | GGGG                |                      | 139                   | 35                   |
| 10543E                      | 3555N             | 2506-02481            | 00000/0000           | 2-20026/1673     | 06/11/76            | 20              | 7047         | 59.5         | 106.0                 | GGGG                |                      | 139                   | 35                   |
| 10543E                      | 3553N             | 2524-02474            | 00000/0000           | 2-20028/0365     | 06/29/76            | 10              | 7298         | 58.7         | 104.7                 | GGGG                |                      | 139                   | 35                   |
| 10542E                      | 4014N             | 2507-02524            | 00000/0000           | 2-20026/1365     | 06/12/76            | 0               | 7061         | 58.8         | 113.8                 | GGGG                |                      | 140                   | 32                   |
| 10542E                      | 3604N             | 2596-02454            | 00000/0000           | 2-20032/0025     | 09/09/76            | 80              | 8302         | 47.4         | 128.5                 | GGGG                |                      | 139                   | 35                   |
| 10542E                      | 3557N             | 2416-02504            | 00000/0000           | 2-20027/0047     | 03/13/76            | 70              | 5792         | 39.8         | 133.4                 | GGGG                |                      | 139                   | 35                   |
| 10542E                      | 2603N             | 2432-02413            | 00000/0000           | 2-20027/0909     | 03/29/76            | 90              | 6015         | 49.5         | 118.1                 | GGGG                |                      | 137                   | 42                   |
| 10541E                      | 4013N             | 2525-02521            | 00000/0000           | 2-20028/0509     | 06/30/76            | 10              | 7312         | 58.1         | 112.5                 | GGGG                |                      | 140                   | 32                   |
| 10541E                      | 2601N             | 2684-02335            | 00000/0000           | 2-20037/0300     | 12/06/76            | 90              | 9529         | 31.6         | 143.2                 | GGGG                |                      | 137                   | 42                   |
| 10541E                      | 2601N             | 2702-02331            | 00000/0000           | 2-20037/1278     | 12/24/76            | 90              | 9780         | 29.6         | 141.8                 | FGGG                |                      | 137                   | 42                   |
| 10540E                      | 3600N             | 2614-02450            | 00000/0000           | 2-20034/0052     | 09/27/76            | 50              | 8553         | 42.7         | 136.0                 | GGGG                |                      | 139                   | 35                   |
| 10540E                      | 3559N             | 2668-02431            | 00000/0000           | 2-20036/1106     | 11/20/76            | 0               | 9306         | 27.6         | 148.1                 | GGGG                |                      | 139                   | 35                   |
| 10540E                      | 3556N             | 2650-02435            | 00000/0000           | 2-20035/0462     | 11/02/76            | 100             | 9055         | 32.3         | 146.1                 | GGGG                |                      | 139                   | 35                   |
| 10540E                      | 2602N             | 2720-02323            | 00000/0000           | 2-20038/1306     | 01/11/77            | 100             | 31           | 29.5         | 138.8                 | GGGG                |                      | 137                   | 42                   |
| 10540E                      | 2555N             | 2666-02344            | 00000/0000           | 2-20036/0890     | 11/18/76            | 90              | 9278         | 35.2         | 142.3                 | GGGG                |                      | 137                   | 42                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN RLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|---------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10539E 3555N                            | 2632-02443        | 00000/0000 2-20034/0668                           | 10/15/76         | 80                  | 8804            | 37.6         | 142.0        | GGGG                               |                     |                      | 139                   | 35                   |
| 10539E 2554N                            | 2414-02421        | 00000/0000 2-20021/1467                           | 03/11/76         | 40                  | 5764            | 44.1         | 124.8        | GGGG                               |                     |                      | 137                   | 42                   |
| 10539E 2554N                            | 2648-02357        | 00000/0000 2-20035/0353                           | 10/31/76         | 60                  | 9027            | 39.7         | 139.0        | GGGG                               |                     |                      | 137                   | 42                   |
| 10538E 0837N                            | 2375-02310        | 00000/0000 2-20020/0792                           | 02/01/76         | 20                  | 5220            | 42.8         | 123.5        | GGGG                               |                     |                      | 134                   | 54                   |
| 10534E 1422N                            | 2376-02350        | 00000/0000 2-20020/0776                           | 02/02/76         | 10                  | 5234            | 40.3         | 127.9        | GGGG                               |                     |                      | 135                   | 50                   |
| 10531E 3021N                            | 2469-02450        | 00000/0000 2-20024/1517                           | 05/05/76         | 20                  | 6531            | 57.3         | 108.2        | GGGG                               |                     |                      | 138                   | 39                   |
| 10530E 3022N                            | 2451-02453        | 00000/0000 2-20023/0320                           | 04/17/76         | 30                  | 6250            | 53.5         | 116.0        | FGGG                               |                     |                      | 138                   | 39                   |
| 10529E 3022N                            | 2433-02460        | 00000/0000 2-20022/0990                           | 03/30/76         | 80                  | 6029            | 48.3         | 122.9        | FGG                                |                     |                      | 138                   | 39                   |
| 10527E 5557N                            | 2584-03143        | 00000/0000 2-20032/0274                           | 08/28/76         | 10                  | 8135            | 39.4         | 145.9        | FFGG                               |                     |                      | 148                   | 21                   |
| 10527E 5552N                            | 2476-03173        | 00000/0000 2-20024/1642                           | 05/12/76         | 10                  | 6629            | 48.1         | 144.5        | GGGG                               |                     |                      | 145                   | 21                   |
| 10527E 3020N                            | 2703-02374        | 00000/0000 2-20037/1310                           | 12/25/76         | 100                 | 9794            | 26.6         | 143.8        | GGGG                               |                     |                      | 138                   | 39                   |
| 10526E 3021N                            | 2721-02365        | 00000/0000 2-20038/1367                           | 01/12/77         | 100                 | 45              | 26.8         | 140.9        | GGGG                               |                     |                      | 138                   | 39                   |
| 10526E 3014N                            | 2415-02464        | 00000/0000 2-20021/1504                           | 03/12/76         | 90                  | 5778            | 42.4         | 128.6        | FFFG                               |                     |                      | 138                   | 39                   |
| 10525E 5553N                            | 2566-03150        | 00000/0000 2-20032/0017                           | 08/10/76         | 60                  | 7884            | 44.7         | 142.0        | GGGG                               |                     |                      | 145                   | 21                   |
| 10525E 3019N                            | 2685-02382        | 00000/0000 2-20037/0368                           | 12/07/76         | 100                 | 95.3            | 28.4         | 145.4        | GGGG                               |                     |                      | 138                   | 39                   |
| 10524E 3013N                            | 2667-02391        | 00000/0000 2-20036/1077                           | 11/19/76         | 100                 | 9292            | 32.0         | 145.0        | GGGG                               |                     |                      | 138                   | 39                   |
| 10523E 5015N                            | 2474-03074        | 00000/0000 2-20024/1896                           | 05/10/76         | 70                  | 6601            | 51.0         | 137.2        | GGGG                               |                     |                      | 143                   | 25                   |
| 10523E 3013N                            | 2649-02395        | 00000/0000 2-20035/0381                           | 11/01/76         | 80                  | 9041            | 36.6         | 142.3        | GGGG                               |                     |                      | 138                   | 39                   |
| 10523E 2438N                            | 2450-02413        | 00000/0000 2-20024/0017                           | 04/16/76         | 10                  | 6246            | 54.5         | 108.0        | GGGG                               |                     |                      | 137                   | 43                   |
| 10522E 5020N                            | 2582-03045        | 00000/0000 2-20032/0130                           | 08/26/76         | 100                 | 8107            | 43.6         | 139.2        | GGGG                               |                     |                      | 143                   | 25                   |
| 10522E 5017N                            | 2564-03052        | 00000/0000 2-20030/0940                           | 08/08/76         | 30                  | 7856            | 48.4         | 134.5        | FGGG                               |                     |                      | 143                   | 25                   |
| 10521E 5306N                            | 2475-03123        | 00000/0000 2-20025/0250                           | 05/11/76         | 30                  | 6615            | 49.6         | 140.9        | GGGG                               |                     |                      | 144                   | 23                   |
| 10521E 3442N                            | 2452-02500        | 00000/0000 2-20023/0368                           | 04/18/76         | 10                  | 6294            | 52.4         | 121.7        | GGGG                               |                     |                      | 139                   | 36                   |
| 10521E 3441N                            | 2470-02493        | 00000/0000 2-20024/1412                           | 05/06/76         | 20                  | 6545            | 56.6         | 115.0        | GGGG                               |                     |                      | 139                   | 36                   |
| 10520E 5545N                            | 2548-03153        | 00000/0000 2-20029/0075                           | 07/23/76         | 40                  | 7633            | 48.9         | 139.2        | GGGG                               |                     |                      | 145                   | 21                   |
| 10520E 5540N                            | 2512-03164        | 00000/0000 2-20027/0073                           | 06/17/76         | 90                  | 7131            | 52.6         | 139.2        | GGGG                               |                     |                      | 145                   | 21                   |
| 10520E 2436N                            | 2432-02420        | 00000/0000 2-20022/0839                           | 03/29/76         | 10                  | 6015            | 49.9         | 116.4        | GGGG                               |                     |                      | 137                   | 43                   |
| 10519E 3438N                            | 2434-02503        | 00000/0000 2-20022/1050                           | 03/31/76         | 80                  | 6043            | 46.8         | 127.4        | GGGG                               |                     |                      | 139                   | 36                   |
| 10518E 5010N                            | 2546-03055        | 00000/0000 2-20029/0096                           | 07/21/76         | 50                  | 7605            | 52.2         | 130.9        | FGGG                               |                     |                      | 143                   | 25                   |
| 10518E 3902N                            | 2453-02542        | 00000/0000 2-20023/0407                           | 04/19/76         | 20                  | 6308            | 51.0         | 127.1        | GGGG                               |                     |                      | 140                   | 33                   |
| 10517E 5008N                            | 2528-03062        | 00000/0000 2-20028/0800                           | 07/03/76         | 10                  | 7354            | 54.6         | 129.5        | GGGG                               |                     |                      | 143                   | 25                   |
| 10517E 3858N                            | 2435-02550        | 00000/0000 2-20022/1117                           | 04/01/76         | 50                  | 6057            | 45.1         | 131.8        | FGGG                               |                     |                      | 140                   | 33                   |
| 10516E 5304N                            | 2565-03101        | 00000/0000 2-20032/0217                           | 08/09/76         | 60                  | 7870            | 46.6         | 138.3        | GGGG                               |                     |                      | 144                   | 23                   |
| 10516E 5303N                            | 2601-03091        | 00000/0000 2-20034/0280                           | 09/14/76         | 20                  | 8372            | 35.8         | 147.0        | GGGG                               |                     |                      | 144                   | 23                   |
| 10516E 5255N                            | 2511-03114        | 00000/0000 2-20026/1551                           | 06/16/76         | 80                  | 7117            | 54.1         | 135.0        | GGGG                               |                     |                      | 144                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROL<br>MSR | DATE<br>ACQUIRED | CLUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10516E 5005N                            | 2510-03065        | 00000/0000                   | 2-20026/1625               | 06/15/76         | 50                 | 7103            | 55.5         | 130.5        | GGGG                               |                     |                      | 143                   | 25                   |
| 10516E 3440N                            | 2722-02412        | 00000/0000                   | 2-20038/1470               | 01/13/77         | 80                 | 59              | 24.0         | 142.8        | GGGG                               |                     |                      | 139                   | 36                   |
| 10516E 3438N                            | 2704-02420        | 00000/0000                   | 2-20038/0328               | 12/26/76         | 80                 | 9808            | 23.5         | 145.7        | GGGG                               |                     |                      | 139                   | 36                   |
| 10516E 3434N                            | 2686-02425        | 00000/0000                   | 2-20037/0390               | 12/08/76         | 0                  | 9557            | 25.1         | 147.4        | GGGG                               |                     |                      | 139                   | 36                   |
| 10515E 5300N                            | 2547-03104        | 00000/0000                   | 2-20028/1604               | 07/22/76         | 90                 | 7619            | 50.6         | 135.1        | GGGG                               |                     |                      | 144                   | 23                   |
| 10515E 3855N                            | 2471-02535        | 00000/0000                   | 2-20024/1708               | 05/07/76         | 10                 | 6559            | 55.6         | 121.4        | GGGG                               |                     |                      | 140                   | 33                   |
| 10515E 3432N                            | 2416-02510        | 00000/0000                   | 2-20022/0048               | 03/13/76         | 90                 | 5792            | 40.6         | 132.2        | GGGG                               |                     |                      | 139                   | 36                   |
| 10515E 2428N                            | 2396-02431        | 00000/0000                   | 2-20021/0385               | 02/22/76         | 100                | 5513            | 39.5         | 129.4        | GGGG                               |                     |                      | 137                   | 43                   |
| 10514E 3434N                            | 2668-02433        | 00000/0000                   | 2-20036/1107               | 11/20/76         | 0                  | 9306            | 28.6         | 147.3        | GGGG                               |                     |                      | 139                   | 36                   |
| 10514E 1256N                            | 2376-02353        | 00000/0000                   | 2-20020/0777               | 02/02/76         | 30                 | 5234            | 41.0         | 126.8        | GGGG                               |                     |                      | 135                   | 51                   |
| 10513E 5258N                            | 2529-03111        | 00000/0000                   | 2-20028/0343               | 07/04/76         | 90                 | 7368            | 53.2         | 134.0        | GGGG                               |                     |                      | 144                   | 23                   |
| 10513E 3434N                            | 2614-02453        | 00000/0000                   | 2-20034/0053               | 09/27/76         | 60                 | 8553            | 43.5         | 134.6        | GGGG                               |                     |                      | 139                   | 36                   |
| 10513E 3430N                            | 2650-02442        | 00000/0000                   | 2-20035/0463               | 11/02/76         | 100                | 9055            | 33.3         | 145.2        | GGGG                               |                     |                      | 139                   | 36                   |
| 10512E 3430N                            | 2632-02450        | 00000/0000                   | 2-20034/0669               | 10/15/76         | 90                 | 8804            | 38.5         | 140.9        | GGGG                               |                     |                      | 139                   | 36                   |
| 10512E 2422N                            | 2378-02433        | 00000/0000                   | 2-20020/0886               | 02/04/76         | 50                 | 5262            | 35.3         | 134.6        | FFGG                               |                     |                      | 137                   | 43                   |
| 10511E 3850N                            | 2417-02553        | 00000/0000                   | 2-20021/1589               | 03/14/76         | 0                  | 5806            | 38.6         | 135.7        | FFGG                               |                     |                      | 140                   | 33                   |
| 10507E 2855N                            | 2469-02452        | 00000/0000                   | 2-20024/1518               | 05/05/76         | 20                 | 6531            | 57.5         | 105.7        | GGGG                               |                     |                      | 138                   | 40                   |
| 10506E 2856N                            | 2451-02455        | 00000/0000                   | 2-20023/0321               | 04/17/76         | 20                 | 6280            | 53.9         | 113.9        | GGGG                               |                     |                      | 138                   | 40                   |
| 10505E 2856N                            | 2433-02463        | 00000/0000                   | 2-20022/0991               | 03/30/76         | 90                 | 6029            | 48.8         | 121.2        | GGG                                |                     |                      | 138                   | 40                   |
| 10503E 2854N                            | 2703-02380        | 00000/0000                   | 2-20037/1311               | 12/25/76         | 100                | 9794            | 27.6         | 143.2        | GGGG                               |                     |                      | 138                   | 40                   |
| 10502E 2855N                            | 2721-02372        | 00000/0000                   | 2-20034/1368               | 01/12/77         | 100                | 45              | 27.7         | 140.1        | GGGG                               |                     |                      | 138                   | 40                   |
| 10502E 2848N                            | 2415-02470        | 00000/0000                   | 2-20021/1505               | 03/12/76         | 80                 | 5778            | 43.1         | 127.2        | FFFG                               |                     |                      | 138                   | 40                   |
| 10501E 2853N                            | 2685-02385        | 00000/0000                   | 2-20037/0369               | 12/07/76         | 100                | 9543            | 29.4         | 144.7        | GGGG                               |                     |                      | 138                   | 40                   |
| 10500E 2311N                            | 2450-02415        | 00000/0000                   | 2-20024/0018               | 04/16/76         | 20                 | 6266            | 54.6         | 105.9        | GGGG                               |                     |                      | 137                   | 44                   |
| 10459E 2847N                            | 2667-02393        | 00000/0000                   | 2-20036/1078               | 11/19/76         | 100                | 9292            | 33.0         | 144.1        | GGGG                               |                     |                      | 138                   | 40                   |
| 10458E 2847N                            | 2649-02401        | 00000/0000                   | 2-20035/0382               | 11/01/76         | 80                 | 9041            | 37.5         | 141.3        | GGGG                               |                     |                      | 138                   | 40                   |
| 10457E 2311N                            | 2432-02422        | 00000/0000                   | 2-20022/0840               | 03/29/76         | 30                 | 6015            | 50.3         | 114.6        | GGGG                               |                     |                      | 137                   | 44                   |
| 10455E 3316N                            | 2452-02502        | 00000/0000                   | 2-20023/0369               | 04/18/76         | 10                 | 6294            | 52.9         | 119.7        | GGGG                               |                     |                      | 139                   | 37                   |
| 10455E 3315N                            | 2470-02495        | 00000/0000                   | 2-20024/1413               | 05/06/76         | 20                 | 6545            | 57.0         | 112.6        | GGGG                               |                     |                      | 139                   | 37                   |
| 10454E 2302N                            | 2414-02430        | 00000/0000                   | 2-20021/1468               | 03/11/76         | 0                  | 5764            | 45.2         | 121.9        | GGGG                               |                     |                      | 137                   | 44                   |
| 10453E 3312N                            | 2434-02505        | 00000/0000                   | 2-20022/1051               | 03/31/76         | 100                | 6043            | 47.4         | 125.8        | GGGG                               |                     |                      | 139                   | 37                   |
| 10453E 2303N                            | 2396-02433        | 00000/0000                   | 2-20021/0386               | 02/22/76         | 90                 | 5513            | 40.2         | 128.3        | GGGG                               |                     |                      | 137                   | 44                   |
| 10453E 1130N                            | 2376-02355        | 00000/0000                   | 2-20020/0778               | 02/02/76         | 70                 | 5234            | 41.6         | 125.6        | GGGG                               |                     |                      | 135                   | 52                   |
| 10450E 3736N                            | 2453-02545        | 00000/0000                   | 2-20023/0408               | 04/19/76         | 30                 | 6308            | 51.6         | 125.3        | GGGG                               |                     |                      | 140                   | 34                   |
| 10450E 3314N                            | 2722-02414        | 00000/0000                   | 2-20038/1471               | 01/13/77         | 80                 | 59              | 25.0         | 142.1        | GGGG                               |                     |                      | 139                   | 37                   |

KEYS: CLUD COVER % ..... 0 TO 100 = % CLUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10450E 3312N                            | 2704-02423        | 00000/0000                   | 2-20038/0329                | 12/26/76         | 70                  | 9808            | 24.5         | 145.0        | GGGG                               |                     |                      | 139                   | 37                   |
| 10450E 3308N                            | 2686-02431        | 00000/0000                   | 2-20037/0391                | 12/08/76         | 20                  | 9557            | 26.2         | 146.7        | GGGG                               |                     |                      | 139                   | 37                   |
| 10450E 3306N                            | 2416-02513        | 00000/0000                   | 2-20027/0049                | 03/13/76         | 90                  | 5792            | 41.3         | 130.9        | GGGG                               |                     |                      | 139                   | 37                   |
| 10449E 2257N                            | 2378-02440        | 00000/0000                   | 2-20020/0887                | 02/04/76         | 60                  | 5262            | 36.1         | 133.7        | FFGG                               |                     |                      | 137                   | 44                   |
| 10449E 1716N                            | 2377-02395        | 00000/0000                   | 2-20020/0490                | 02/03/76         | 10                  | 5248            | 39.0         | 129.9        | FFGG                               |                     |                      | 136                   | 48                   |
| 10448E 3732N                            | 2435-02552        | 00000/0000                   | 2-20027/1118                | 04/01/76         | 50                  | 6057            | 45.8         | 130.3        | GGGG                               |                     |                      | 140                   | 34                   |
| 10448E 3308N                            | 2668-02440        | 00000/0000                   | 2-20036/1108                | 11/20/76         | 10                  | 9306            | 29.7         | 146.6        | GGGG                               |                     |                      | 139                   | 37                   |
| 10447E 3729N                            | 2471-02542        | 00000/0000                   | 2-20024/1709                | 05/07/76         | 10                  | 6559            | 56.0         | 119.1        | GGGG                               |                     |                      | 140                   | 34                   |
| 10447E 3308N                            | 2614-02455        | 00000/0000                   | 2-20034/0054                | 09/27/76         | 50                  | 8553            | 44.3         | 133.3        | GGGG                               |                     |                      | 139                   | 37                   |
| 10447E 3305N                            | 2650-02444        | 00000/0000                   | 2-20035/0464                | 11/02/76         | 90                  | 9055            | 34.3         | 144.3        | GGGG                               |                     |                      | 139                   | 37                   |
| 10446E 3304N                            | 2398-02520        | 00000/0000                   | 2-20021/0534                | 02/24/76         | 100                 | 5541            | 35.4         | 135.4        | GGGG                               |                     |                      | 139                   | 37                   |
| 10446E 3304N                            | 2632-02452        | 00000/0000                   | 2-20034/0670                | 10/15/76         | 90                  | 8804            | 39.4         | 139.8        | GGGG                               |                     |                      | 138                   | 37                   |
| 10445E 3732N                            | 2705-02465        | 00000/0000                   | 2-20038/0104                | 12/27/76         | 0                   | 9822            | 21.3         | 146.8        | GGFG                               |                     |                      | 140                   | 34                   |
| 10445E 3732N                            | 2723-02461        | 00000/0000                   | 2-20038/1352                | 01/14/77         | 10                  | 73              | 22.1         | 143.9        | GGGG                               |                     |                      | 140                   | 34                   |
| 10444E 2729N                            | 2469-02455        | 00000/0000                   | 2-20024/1519                | 05/05/76         | 60                  | 6531            | 57.6         | 103.3        | GGGG                               |                     |                      | 138                   | 41                   |
| 10443E 3726N                            | 2687-02474        | 00000/0000                   | 2-20037/0576                | 12/09/76         | 0                   | 9571            | 22.9         | 148.6        | FFGG                               |                     |                      | 140                   | 34                   |
| 10443E 3721N                            | 2651-02491        | 00000/0000                   | 2-20035/0478                | 11/03/76         | 20                  | 9069            | 31.0         | 147.1        | GGFG                               |                     |                      | 140                   | 34                   |
| 10442E 3722N                            | 2669-02482        | 00000/0000                   | 2-20036/1114                | 11/21/76         | 0                   | 9320            | 26.3         | 148.8        | GGGG                               |                     |                      | 140                   | 34                   |
| 10442E 2730N                            | 2433-02465        | 00000/0000                   | 2-20027/0992                | 03/30/76         | 90                  | 6029            | 49.3         | 119.5        | GGG                                |                     |                      | 138                   | 41                   |
| 10442E 2729N                            | 2451-02462        | 00000/0000                   | 2-20023/0322                | 04/17/76         | 20                  | 6280            | 54.2         | 111.8        | GGGG                               |                     |                      | 138                   | 41                   |
| 10441E 0417N                            | 2411-02312        | 00000/0000                   | 2-20021/1140                | 03/08/76         | 30                  | 5722            | 48.9         | 102.4        | GGGG                               |                     |                      | 134                   | 57                   |
| 10440E 5433N                            | 2584-03150        | 00000/0000                   | 2-20032/0275                | 08/28/76         | 10                  | 8135            | 40.3         | 144.3        | FFGG                               |                     |                      | 145                   | 22                   |
| 10440E 3724N                            | 2615-02502        | 00000/0000                   | 2-20034/0163                | 09/28/76         | 70                  | 8567            | 41.6         | 137.6        | GGGG                               |                     |                      | 140                   | 34                   |
| 10439E 5428N                            | 2476-03175        | 00000/0000                   | 2-20024/1643                | 05/12/76         | 50                  | 6629            | 49.0         | 142.6        | GGGG                               |                     |                      | 145                   | 22                   |
| 10439E 3720N                            | 2633-02495        | 00000/0000                   | 2-20034/0851                | 10/16/76         | 10                  | 8818            | 36.3         | 143.3        | GGG                                |                     |                      | 140                   | 34                   |
| 10439E 2728N                            | 2703-02383        | 00000/0000                   | 2-20037/1312                | 12/25/76         | 100                 | 9794            | 28.6         | 142.4        | GGGG                               |                     |                      | 138                   | 41                   |
| 10438E 2729N                            | 2721-02374        | 00000/0000                   | 2-20038/1369                | 01/12/77         | 100                 | 45              | 28.7         | 139.4        | GGGG                               |                     |                      | 138                   | 41                   |
| 10438E 2722N                            | 2415-02473        | 00000/0000                   | 2-20021/1506                | 03/12/76         | 80                  | 5778            | 43.8         | 125.9        | FFFF                               |                     |                      | 138                   | 41                   |
| 10437E 5429N                            | 2566-03153        | 00000/0000                   | 2-20032/0018                | 08/10/76         | 80                  | 7884            | 45.5         | 140.3        | GGGG                               |                     |                      | 145                   | 22                   |
| 10437E 2726N                            | 2685-02391        | 00000/0000                   | 2-20037/0370                | 12/07/76         | 90                  | 9543            | 30.5         | 143.9        | GGGG                               |                     |                      | 138                   | 41                   |
| 10437E 2724N                            | 2613-02415        | 00000/0000                   | 2-20032/1878                | 09/26/76         | 90                  | 8539            | 47.5         | 127.0        | GGGG                               |                     |                      | 138                   | 41                   |
| 10436E 2721N                            | 2667-02400        | 00000/0000                   | 2-20036/1079                | 11/19/76         | 100                 | 9292            | 34.0         | 143.3        | GGGG                               |                     |                      | 138                   | 41                   |
| 10435E 2720N                            | 2649-02404        | 00000/0000                   | 2-20035/0383                | 11/01/76         | 60                  | 9041            | 38.5         | 140.3        | GGGG                               |                     |                      | 138                   | 41                   |
| 10433E 5421N                            | 2548-03160        | 00000/0000                   | 2-20029/0076                | 07/23/76         | 80                  | 7633            | 49.7         | 137.2        | GGGG                               |                     |                      | 145                   | 22                   |
| 10433E 5417N                            | 2512-03170        | 00000/0000                   | 2-20027/0074                | 06/17/76         | 90                  | 7131            | 53.4         | 137.0        | GGGG                               |                     |                      | 145                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL |     | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------|-----|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   |                              |                             |                  |                     |                 |              |              | RBV        | MSS |                     |                      |                       |                      |
| 10433E                      | 1003N | 2376-02362        | 00000/0000                   | 2-20020/0779                | 02/02/76         | 90                  | 5234            | 42.3         | 124.4        | GGGG       |     |                     |                      | 135                   | 53                   |
| 10430E                      | 3150N | 2452-02505        | 00000/0000                   | 2-20023/0370                | 04/18/76         | 30                  | 6294            | 53.3         | 117.7        | GGGG       |     |                     |                      | 139                   | 38                   |
| 10430E                      | 3148N | 2470-02502        | 00000/0000                   | 2-20024/1414                | 05/06/76         | 30                  | 6545            | 57.2         | 110.2        | GGGG       |     |                     |                      | 139                   | 38                   |
| 10428E                      | 3146N | 2434-02512        | 00000/0000                   | 2-20022/1052                | 03/31/76         | 90                  | 6043            | 48.0         | 124.2        | GGGG       |     |                     |                      | 139                   | 38                   |
| 10428E                      | 1549N | 2377-02402        | 00000/0000                   | 2-20020/0491                | 02/03/76         | 10                  | 5248            | 39.7         | 128.7        | FGGG       |     |                     |                      | 136                   | 49                   |
| 10427E                      | 2131N | 2378-02442        | 00000/0000                   | 2-20020/0888                | 02/04/76         | 90                  | 5262            | 36.9         | 132.7        | FFFG       |     |                     |                      | 137                   | 45                   |
| 10425E                      | 3146N | 2704-02425        | 00000/0000                   | 2-20038/0330                | 12/26/76         | 80                  | 9808            | 25.5         | 144.4        | GGGG       |     |                     |                      | 139                   | 38                   |
| 10424E                      | 3148N | 2722-02421        | 00000/0000                   | 2-20038/1472                | 01/13/77         | 80                  | 59              | 25.9         | 141.4        | GGGG       |     |                     |                      | 139                   | 38                   |
| 10424E                      | 3143N | 2686-02434        | 00000/0000                   | 2-20037/0392                | 12/08/76         | 40                  | 9557            | 27.2         | 146.0        | GGGG       |     |                     |                      | 139                   | 38                   |
| 10424E                      | 3142N | 2668-02442        | 00000/0000                   | 2-20036/1109                | 11/20/76         | 10                  | 9306            | 30.7         | 145.8        | FGGG       |     |                     |                      | 139                   | 38                   |
| 10424E                      | 3141N | 2416-02515        | 00000/0000                   | 2-20022/0050                | 03/13/76         | 90                  | 5792            | 42.1         | 129.6        | GGGG       |     |                     |                      | 139                   | 38                   |
| 10423E                      | 3610N | 2453-02551        | 00000/0000                   | 2-20023/0409                | 04/19/76         | 40                  | 6308            | 52.1         | 123.3        | GGGG       |     |                     |                      | 140                   | 35                   |
| 10421E                      | 3141N | 2614-02462        | 00000/0000                   | 2-20034/0055                | 09/27/76         | 40                  | 8553            | 45.1         | 131.9        | GGGG       |     |                     |                      | 139                   | 38                   |
| 10421E                      | 3139N | 2632-02455        | 00000/0000                   | 2-20034/0671                | 10/15/76         | 90                  | 8804            | 40.3         | 138.7        | GGGG       |     |                     |                      | 139                   | 38                   |
| 10421E                      | 3139N | 2650-02451        | 00000/0000                   | 2-20035/0429                | 11/02/76         | 90                  | 9055            | 35.3         | 134.4        | GGGG       |     |                     |                      | 139                   | 38                   |
| 10421E                      | 3138N | 2398-02523        | 00000/0000                   | 2-20021/0535                | 02/24/76         | 100                 | 5541            | 36.2         | 134.4        | GGGG       |     |                     |                      | 139                   | 38                   |
| 10421E                      | 2603N | 2469-02461        | 00000/0000                   | 2-20024/1520                | 05/05/76         | 80                  | 6531            | 57.6         | 100.9        | GGGG       |     |                     |                      | 138                   | 42                   |
| 10421E                      | 0251N | 2411-02314        | 00000/0000                   | 2-20021/1141                | 03/08/76         | 30                  | 5722            | 48.9         | 100.7        | GGGG       |     |                     |                      | 134                   | 58                   |
| 10420E                      | 3606N | 2435-02555        | 00000/0000                   | 2-20022/1119                | 04/01/76         | 80                  | 6057            | 46.5         | 128.7        | GGGG       |     |                     |                      | 140                   | 35                   |
| 10419E                      | 3602N | 2471-02544        | 00000/0000                   | 2-20024/1710                | 05/07/76         | 40                  | 6559            | 56.5         | 116.8        | GFGG       |     |                     |                      | 140                   | 35                   |
| 10419E                      | 2605N | 2433-02472        | 00000/0000                   | 2-20022/0993                | 03/30/76         | 70                  | 6029            | 49.8         | 117.7        | GGGG       |     |                     |                      | 138                   | 42                   |
| 10419E                      | 2603N | 2451-02464        | 00000/0000                   | 2-20023/0323                | 04/17/76         | 10                  | 6280            | 54.5         | 109.7        | GGGG       |     |                     |                      | 138                   | 42                   |
| 10415E                      | 3559N | 2417-02562        | 00000/0000                   | 2-20021/1590                | 03/14/76         | 20                  | 5806            | 40.2         | 133.2        | GGGG       |     |                     |                      | 140                   | 35                   |
| 10415E                      | 2601N | 2703-02385        | 00000/0000                   | 2-20037/1313                | 12/25/76         | 80                  | 9794            | 29.5         | 141.7        | GGGG       |     |                     |                      | 138                   | 42                   |
| 10414E                      | 2602N | 2721-02381        | 00000/0000                   | 2-20038/1370                | 01/12/77         | 100                 | 45              | 29.6         | 138.6        | GGGG       |     |                     |                      | 138                   | 42                   |
| 10414E                      | 2600N | 2685-02394        | 00000/0000                   | 2-20037/0371                | 12/07/76         | 90                  | 9543            | 31.5         | 143.2        | GGGG       |     |                     |                      | 138                   | 42                   |
| 10414E                      | 2557N | 2415-02475        | 00000/0000                   | 2-20021/1507                | 03/12/76         | 40                  | 5778            | 44.4         | 124.5        | GGGG       |     |                     |                      | 138                   | 42                   |
| 10413E                      | 2557N | 2397-02482        | 00000/0000                   | 2-20021/0473                | 02/23/76         | 80                  | 5527            | 39.0         | 130.3        | GGGG       |     |                     |                      | 138                   | 42                   |
| 10413E                      | 2555N | 2667-02402        | 00000/0000                   | 2-20036/1080                | 11/19/76         | 90                  | 9292            | 35.0         | 142.4        | GGGG       |     |                     |                      | 138                   | 42                   |
| 10411E                      | 2554N | 2649-02410        | 00000/0000                   | 2-20035/0384                | 11/01/76         | 80                  | 9041            | 39.4         | 139.3        | GGGG       |     |                     |                      | 138                   | 42                   |
| 10409E                      | 2549N | 2379-02485        | 00000/0000                   | 2-20020/0970                | 02/05/76         | 70                  | 5276            | 34.6         | 135.3        | GGGG       |     |                     |                      | 138                   | 42                   |
| 10407E                      | 1423N | 2377-02404        | 00000/0000                   | 2-20020/0492                | 02/03/76         | 10                  | 5248            | 40.4         | 127.6        | FGGG       |     |                     |                      | 136                   | 50                   |
| 10406E                      | 3023N | 2470-02504        | 00000/0000                   | 2-20024/1415                | 05/06/76         | 90                  | 6545            | 57.4         | 107.8        | FGGG       |     |                     |                      | 139                   | 39                   |
| 10405E                      | 3024N | 2452-02511        | 00000/0000                   | 2-20023/0371                | 04/18/76         | 60                  | 6294            | 53.7         | 115.6        | GGFG       |     |                     |                      | 139                   | 39                   |
| 10405E                      | 2004N | 2378-02445        | 00000/0000                   | 2-20020/0889                | 02/04/76         | 60                  | 5262            | 37.7         | 131.6        | FFGG       |     |                     |                      | 137                   | 46                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN=US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL | MSS | MSS   | ORBIT        | FRAME         |
|-----------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------|-----|-------|--------------|---------------|
| LONG                        | LAT   |                   |                              |                             |                  |                     |                 |              |              | RBV        | 123 | 45678 | DATA<br>MODE | IMAGE<br>GAIN |
| 10403E                      | 3021N | 2434-02514        | 00000/0000                   | 2-20022/1053                | 03/31/76         | 90                  | 6043            | 48.6         | 122.5        | FGGG       |     |       | 139          | 39            |
| 10402E                      | 5554N | 2567-03204        | 00000/0000                   | 2-20030/1106                | 08/11/76         | 80                  | 7898            | 44.4         | 142.3        | FGGG       |     |       | 146          | 21            |
| 10400E                      | 5555N | 2585-03201        | 00000/0000                   | 2-20032/1302                | 08/29/76         | 60                  | 8149            | 39.1         | 146.0        | GGGG       |     |       | 146          | 21            |
| 10400E                      | 3020N | 2704-02432        | 00000/0000                   | 2-20038/0331                | 12/26/76         | 90                  | 9808            | 26.5         | 143.7        | GGGG       |     |       | 139          | 39            |
| 10400E                      | 3016N | 2668-02445        | 00000/0000                   | 2-20036/1110                | 11/20/76         | 10                  | 9306            | 31.7         | 145.1        | GGGG       |     |       | 139          | 39            |
| 10359E                      | 3021N | 2722-02423        | 00000/0000                   | 2-20038/1473                | 01/13/77         | 90                  | 59              | 26.9         | 140.7        | GGGG       |     |       | 139          | 39            |
| 10359E                      | 3017N | 2686-02440        | 00000/0000                   | 2-20037/0393                | 12/08/76         | 70                  | 9557            | 28.3         | 145.3        | GGGG       |     |       | 139          | 39            |
| 10359E                      | 3015N | 2416-02522        | 00000/0000                   | 2-20022/0051                | 03/13/76         | 90                  | 5792            | 42.8         | 128.3        | GGGG       |     |       | 139          | 39            |
| 10357E                      | 3016N | 2614-02464        | 00000/0000                   | 2-20034/0056                | 09/27/76         | 50                  | 8553            | 45.8         | 130.5        | GGGG       |     |       | 139          | 39            |
| 10357E                      | 3013N | 2398-02525        | 00000/0000                   | 2-20021/0536                | 02/24/76         | 100                 | 5541            | 37.0         | 133.3        | GGGG       |     |       | 139          | 39            |
| 10357E                      | 3013N | 2650-02453        | 00000/0000                   | 2-20035/0430                | 11/02/76         | 100                 | 9055            | 36.3         | 142.5        | GGGG       |     |       | 139          | 39            |
| 10356E                      | 5546N | 2549-03212        | 00000/0000                   | 2-20029/0176                | 07/24/76         | 10                  | 7647            | 48.7         | 135.4        | FGGG       |     |       | 146          | 21            |
| 10356E                      | 3444N | 2453-02554        | 00000/0000                   | 2-20023/0410                | 04/19/76         | 80                  | 6308            | 52.7         | 121.4        | GGGG       |     |       | 140          | 36            |
| 10356E                      | 3013N | 2632-02461        | 00000/0000                   | 2-20034/0672                | 10/15/76         | 100                 | 8804            | 41.2         | 137.5        | GGGG       |     |       | 139          | 39            |
| 10356E                      | 2439N | 2433-02474        | 00000/0000                   | 2-20022/0994                | 03/30/76         | 40                  | 6029            | 50.2         | 115.9        | GGGG       |     |       | 138          | 43            |
| 10356E                      | 2437N | 2451-02471        | 00000/0000                   | 2-20023/0324                | 04/17/76         | 10                  | 6280            | 54.7         | 107.5        | GGGG       |     |       | 138          | 43            |
| 10355E                      | 5309N | 2584-03152        | 00000/0000                   | 2-20032/0276                | 08/28/76         | 10                  | 8135            | 41.2         | 142.8        | GGGG       |     |       | 145          | 23            |
| 10354E                      | 5304N | 2476-03182        | 00000/0000                   | 2-20024/1644                | 05/12/76         | 10                  | 6629            | 49.8         | 140.7        | GGGG       |     |       | 145          | 23            |
| 10353E                      | 5545N | 2531-03215        | 00000/0000                   | 2-20028/0735                | 07/06/76         | 80                  | 7396            | 51.5         | 138.3        | GGGG       |     |       | 146          | 21            |
| 10353E                      | 3440N | 2435-02561        | 00000/0000                   | 2-20022/1120                | 04/01/76         | 100                 | 6057            | 47.1         | 127.1        | GGGG       |     |       | 140          | 36            |
| 10353E                      | 3437N | 2471-02551        | 00000/0000                   | 2-20024/1711                | 05/07/76         | 80                  | 6559            | 56.8         | 114.4        | FFFG       |     |       | 140          | 36            |
| 10353E                      | 3003N | 2383-02532        | 00000/0000                   | 2-20020/1016                | 02/06/76         | 100                 | 5290            | 32.3         | 137.8        | FGGG       |     |       | 139          | 39            |
| 10353E                      | 2436N | 2703-02392        | 00000/0000                   | 2-20037/1314                | 12/25/76         | 30                  | 9794            | 30.5         | 141.0        | GGGG       |     |       | 138          | 43            |
| 10352E                      | 5305N | 2566-03155        | 00000/0000                   | 2-20032/0019                | 08/10/76         | 80                  | 7884            | 46.3         | 138.5        | GGGG       |     |       | 145          | 23            |
| 10351E                      | 5541N | 2513-03222        | 00000/0000                   | 2-20026/1751                | 06/18/76         | 20                  | 7145            | 52.6         | 139.2        | GGGG       |     |       | 146          | 21            |
| 10351E                      | 5258N | 2494-03175        | 00000/0000                   | 2-20026/0415                | 05/30/76         | 10                  | 6880            | 53.0         | 137.5        | FGGF       |     |       | 145          | 23            |
| 10351E                      | 2436N | 2721-02382        | 00000/0000                   | 2-20038/1371                | 01/12/77         | 90                  | 45              | 30.5         | 137.9        | GGGG       |     |       | 138          | 43            |
| 10351E                      | 2433N | 2685-02400        | 00000/0000                   | 2-20037/0372                | 12/07/76         | 90                  | 9543            | 32.5         | 142.4        | GGGG       |     |       | 138          | 43            |
| 10351E                      | 2431N | 2415-02482        | 00000/0000                   | 2-20021/1508                | 03/12/76         | 10                  | 5778            | 45.0         | 123.0        | FGGG       |     |       | 138          | 43            |
| 10350E                      | 2431N | 2397-02485        | 00000/0000                   | 2-20021/0474                | 02/23/76         | 70                  | 5527            | 39.7         | 129.2        | GGGG       |     |       | 138          | 43            |
| 10350E                      | 2429N | 2667-02435        | 00000/0000                   | 2-20036/1081                | 11/19/76         | 90                  | 9292            | 36.0         | 141.6        | GGGG       |     |       | 138          | 43            |
| 10349E                      | 5257N | 2548-03162        | 00000/0000                   | 2-20029/0077                | 07/23/76         | 100                 | 7633            | 50.4         | 135.2        | GGGG       |     |       | 145          | 23            |
| 10349E                      | 2428N | 2649-02413        | 00000/0000                   | 2-20035/0385                | 11/01/76         | 90                  | 9041            | 40.3         | 138.2        | GGGG       |     |       | 138          | 43            |
| 10348E                      | 5253N | 2512-03173        | 00000/0000                   | 2-20027/0075                | 06/17/76         | 70                  | 7131            | 54.1         | 134.8        | GGGG       |     |       | 145          | 23            |
| 10347E                      | 1256N | 2377-02411        | 00000/0000                   | 2-20020/0493                | 02/03/76         | 10                  | 5248            | 41.1         | 126.4        | FFFG       |     |       | 136          | 51            |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FBR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLBD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10344E 1838N                            | 2378-02451        | 00000/0000                   | 2-20020/0890               | 02/04/76         | 40                 | 5262            | 38.4         | 130.6        | PF8G                               |                     |                      | 137                   | 47                   |
| 10341E 2858N                            | 2452-02514        | 00000/0000                   | 2-20023/0372               | 04/18/76         | 90                 | 6294            | 54.1         | 113.5        | GGGG                               |                     |                      | 139                   | 40                   |
| 10341E 2856N                            | 2470-02511        | 00000/0000                   | 2-20024/1416               | 05/06/76         | 100                | 6545            | 57.6         | 105.4        | GF8G                               |                     |                      | 139                   | 40                   |
| 10340E 0551N                            | 2448-02353        | 00000/0000                   | 2-20023/0139               | 04/14/76         | 20                 | 6238            | 52.7         | 82.2         | GGGG                               |                     |                      | 135                   | 56                   |
| 10339E 2855N                            | 2434-02521        | 00000/0000                   | 2-20027/1054               | 03/31/76         | 90                 | 6043            | 49.1         | 120.8        | GGGG                               |                     |                      | 139                   | 40                   |
| 10338E 0549N                            | 2430-02360        | 00000/0000                   | 2-20027/0709               | 03/27/76         | 20                 | 5987            | 51.3         | 93.1         | GF8G                               |                     |                      | 135                   | 56                   |
| 10336E 2854N                            | 2704-02434        | 00000/0000                   | 2-20038/0332               | 12/26/76         | 90                 | 9808            | 27.5         | 143.0        | GGGG                               |                     |                      | 139                   | 40                   |
| 10336E 2850N                            | 2668-02451        | 00000/0000                   | 2-20036/1111               | 11/20/76         | 60                 | 9306            | 32.7         | 144.3        | GGGG                               |                     |                      | 139                   | 40                   |
| 10335E 2855N                            | 2722-02430        | 00000/0000                   | 2-20038/1474               | 01/13/77         | 90                 | 59              | 27.8         | 139.9        | GGGG                               |                     |                      | 139                   | 40                   |
| 10335E 2851N                            | 2656-02443        | 00000/0000                   | 2-20037/0394               | 12/08/76         | 90                 | 9557            | 29.3         | 144.6        | GGGG                               |                     |                      | 139                   | 40                   |
| 10335E 2849N                            | 2416-02524        | 00000/0000                   | 2-20022/0052               | 03/13/76         | 80                 | 5792            | 43.4         | 126.9        | GGGG                               |                     |                      | 139                   | 40                   |
| 10334E 2848N                            | 2650-02460        | 00000/0000                   | 2-20035/0431               | 11/02/76         | 80                 | 9055            | 37.3         | 141.5        | GGGG                               |                     |                      | 139                   | 40                   |
| 10333E 2850N                            | 2614-02471        | 00000/0000                   | 2-20034/0057               | 09/27/76         | 60                 | 8553            | 46.6         | 129.0        | GGGG                               |                     |                      | 139                   | 40                   |
| 10333E 2847N                            | 2632-02464        | 00000/0000                   | 2-20034/0673               | 10/15/76         | 90                 | 8804            | 42.1         | 136.3        | GGGG                               |                     |                      | 139                   | 40                   |
| 10333E 2846N                            | 2398-02532        | 00000/0000                   | 2-20021/0537               | 02/24/76         | 90                 | 5541            | 37.8         | 132.3        | GGGG                               |                     |                      | 139                   | 40                   |
| 10333E 2312N                            | 2433-02431        | 00000/0000                   | 2-20022/0995               | 03/30/76         | 30                 | 6029            | 50.6         | 114.1        | GGGG                               |                     |                      | 138                   | 44                   |
| 10333E 2310N                            | 2451-02473        | 00000/0000                   | 2-20023/0325               | 04/17/76         | 10                 | 6280            | 54.8         | 105.3        | GGG                                |                     |                      | 138                   | 44                   |
| 10330E 3318N                            | 2453-02560        | 00000/0000                   | 2-20023/0411               | 04/19/76         | 80                 | 6308            | 53.2         | 119.4        | GGGG                               |                     |                      | 140                   | 37                   |
| 10330E 2310N                            | 2703-02394        | 00000/0000                   | 2-20037/1315               | 12/25/76         | 10                 | 9794            | 31.5         | 140.2        | GGGG                               |                     |                      | 138                   | 44                   |
| 10329E 2837N                            | 2350-02535        | 00000/0000                   | 2-20020/1017               | 02/06/76         | 90                 | 5290            | 33.2         | 136.9        | FGGG                               |                     |                      | 139                   | 40                   |
| 10329E 2310N                            | 2721-02390        | 00000/0000                   | 2-20038/1372               | 01/12/77         | 40                 | 45              | 31.4         | 137.0        | GGGG                               |                     |                      | 138                   | 44                   |
| 10329E 2307N                            | 2685-02403        | 00000/0000                   | 2-20037/0373               | 12/07/76         | 80                 | 9543            | 33.4         | 141.6        | GGFG                               |                     |                      | 138                   | 44                   |
| 10328E 2304N                            | 2415-02484        | 00000/0000                   | 2-20021/1509               | 03/12/76         | 10                 | 5778            | 45.5         | 121.5        | FGGG                               |                     |                      | 138                   | 44                   |
| 10327E 3313N                            | 2435-02564        | 00000/0000                   | 2-20022/1121               | 04/01/76         | 70                 | 6057            | 47.8         | 125.5        | GGGG                               |                     |                      | 140                   | 37                   |
| 10327E 3311N                            | 2471-02553        | 00000/0000                   | 2-20024/1712               | 05/07/76         | 80                 | 6559            | 57.1         | 112.1        | FFFG                               |                     |                      | 140                   | 37                   |
| 10327E 2305N                            | 2397-02491        | 00000/0000                   | 2-20021/0475               | 02/23/76         | 60                 | 5527            | 40.4         | 128.0        | GGGG                               |                     |                      | 138                   | 44                   |
| 10327E 2303N                            | 2667-02411        | 00000/0000                   | 2-20036/1082               | 11/19/76         | 80                 | 9292            | 36.9         | 140.6        | GGGG                               |                     |                      | 138                   | 44                   |
| 10326E 2303N                            | 2649-02415        | 00000/0000                   | 2-20035/0386               | 11/01/76         | 90                 | 9041            | 41.2         | 137.1        | GGGG                               |                     |                      | 138                   | 44                   |
| 10326E 1130N                            | 2377-02413        | 00000/0000                   | 2-20020/0494               | 02/03/76         | 80                 | 5248            | 41.8         | 125.2        | FFGG                               |                     |                      | 136                   | 52                   |
| 10324E 2257N                            | 2379-02494        | 00000/0000                   | 2-20020/0971               | 02/05/76         | 70                 | 5276            | 36.3         | 133.4        | GGG                                |                     |                      | 138                   | 44                   |
| 10323E 3733N                            | 2454-03003        | 00000/0000                   | 2-20024/0034               | 04/29/76         | 20                 | 6322            | 51.9         | 124.9        | GGGG                               |                     |                      | 141                   | 34                   |
| 10323E 3308N                            | 2417-02571        | 00000/0000                   | 2-20021/1591               | 03/14/76         | 30                 | 5806            | 41.7         | 130.7        | GGGG                               |                     |                      | 140                   | 37                   |
| 10323E 1711N                            | 2378-02454        | 00000/0000                   | 2-20020/0891               | 02/04/76         | 10                 | 5262            | 39.2         | 129.5        | FFGG                               |                     |                      | 137                   | 48                   |
| 10322E 3731N                            | 2472-03000        | 00000/0000                   | 2-20024/1813               | 05/08/76         | 10                 | 6573            | 56.2         | 118.8        | FGGG                               |                     |                      | 141                   | 34                   |
| 10320E 3729N                            | 2436-03010        | 00000/0000                   | 2-20022/1279               | 04/02/76         | 10                 | 6071            | 46.1         | 130.0        | GPPP                               |                     |                      | 141                   | 34                   |

KEYS: CLBD COVER % ..... 0 TO 100 = % CLBD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0111

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10320E                                  | 0425N             | 2448-02355                   | 00000/0000                 | 2-20023/0140     | 04/14/76            | 20             | 6238         | 52.2         | 80.3                               | FFGG                |                      | 135                   | 57                   |
| 10319E                                  | 3731N             | 2724-02515                   | 00000/0000                 | 2-20038/1454     | 01/15/77            | 0              | 87           | 22.2         | 143.7                              | GGGG                |                      | 141                   | 34                   |
| 10318E                                  | 3733N             | 2706-02524                   | 00000/0000                 | 2-20038/0109     | 12/28/76            | 0              | 9836         | 21.3         | 146.7                              | GGGG                |                      | 141                   | 34                   |
| 10318E                                  | 0422N             | 2430-02363                   | 00000/0000                 | 2-20027/0710     | 03/27/76            | 30             | 5987         | 51.1         | 91.3                               | GGGG                |                      | 135                   | 57                   |
| 10317E                                  | 3728N             | 2688-02532                   | 00000/0000                 | 2-20037/0579     | 12/10/76            | 20             | 9585         | 22.7         | 148.6                              | GGG                 |                      | 141                   | 34                   |
| 10317E                                  | 3723N             | 2418-03014                   | 00000/0000                 | 2-20021/1645     | 03/15/76            | 80             | 5820         | 39.8         | 134.2                              | FFGF                |                      | 141                   | 34                   |
| 10317E                                  | 2731N             | 2470-02513                   | 00000/0000                 | 2-20024/1417     | 05/06/76            | 90             | 6545         | 57.7         | 102.9                              | GGFG                |                      | 139                   | 41                   |
| 10316E                                  | 5145N             | 2458-03191                   | 00000/0000                 | 2-20024/0387     | 04/24/76            | 70             | 6378         | 45.7         | 141.7                              | GGGG                |                      | 145                   | 24                   |
| 10316E                                  | 3721N             | 2652-02545                   | 00000/0000                 | 2-20036/0016     | 11/04/76            | 10             | 9083         | 30.7         | 147.2                              | GFGG                |                      | 141                   | 34                   |
| 10316E                                  | 2731N             | 2452-02520                   | 00000/0000                 | 2-20023/0373     | 04/18/76            | 70             | 6294         | 54.4         | 111.4                              | GGFG                |                      | 139                   | 41                   |
| 10315E                                  | 3721N             | 2670-02541                   | 00000/0000                 | 2-20036/1136     | 11/22/76            | 0              | 9334         | 26.0         | 148.9                              | FGGG                |                      | 141                   | 34                   |
| 10315E                                  | 2728N             | 2434-02523                   | 00000/0000                 | 2-20027/1055     | 03/31/76            | 70             | 6043         | 49.6         | 119.0                              | GGGG                |                      | 139                   | 41                   |
| 10314E                                  | 5431N             | 2567-03211                   | 00000/0000                 | 2-20030/1107     | 08/11/76            | 80             | 7898         | 45.2         | 140.5                              | GGGG                |                      | 146                   | 22                   |
| 10314E                                  | 3721N             | 2634-02553                   | 00000/0000                 | 2-20034/0639     | 10/17/76            | 20             | 8832         | 36.0         | 143.5                              | GFGG                |                      | 141                   | 34                   |
| 10313E                                  | 3725N             | 2616-02560                   | 00000/0000                 | 2-20034/0166     | 09/29/76            | 0              | 8581         | 41.3         | 138.0                              | FGFG                |                      | 141                   | 34                   |
| 10312E                                  | 5431N             | 2585-03204                   | 00000/0000                 | 2-20032/0303     | 08/29/76            | 50             | 8149         | 40.0         | 144.5                              | GGGG                |                      | 146                   | 22                   |
| 10312E                                  | 5145N             | 2584-03155                   | 00000/0000                 | 2-20032/0277     | 08/28/76            | 30             | 8135         | 42.1         | 141.3                              | FGGG                |                      | 145                   | 24                   |
| 10312E                                  | 5140N             | 2476-03184                   | 00000/0000                 | 2-20024/1645     | 05/12/76            | 20             | 6629         | 50.7         | 138.8                              | GGGG                |                      | 145                   | 24                   |
| 10312E                                  | 2728N             | 2704-02441                   | 00000/0000                 | 2-20038/0333     | 12/26/76            | 70             | 9808         | 28.5         | 142.3                              | GGGG                |                      | 139                   | 41                   |
| 10312E                                  | 2724N             | 2668-02454                   | 00000/0000                 | 2-20036/1112     | 11/20/76            | 90             | 9306         | 33.8         | 143.4                              | GGGG                |                      | 139                   | 41                   |
| 10311E                                  | 2729N             | 2722-02432                   | 00000/0000                 | 2-20038/1475     | 01/13/77            | 90             | 59           | 28.7         | 139.2                              | GGGG                |                      | 139                   | 41                   |
| 10311E                                  | 2725N             | 2686-02445                   | 00000/0000                 | 2-20037/0395     | 12/08/76            | 100            | 9557         | 30.3         | 143.9                              | GGGG                |                      | 139                   | 41                   |
| 10311E                                  | 2723N             | 2416-02531                   | 00000/0000                 | 2-20022/0053     | 03/13/76            | 30             | 5792         | 44.1         | 125.6                              | GGGG                |                      | 139                   | 41                   |
| 10310E                                  | 2722N             | 2650-02462                   | 00000/0000                 | 2-20035/0432     | 11/02/76            | 30             | 9055         | 38.2         | 140.5                              | GGGG                |                      | 139                   | 41                   |
| 10309E                                  | 5141N             | 2566-03162                   | 00000/0000                 | 2-20032/0020     | 08/10/76            | 50             | 7884         | 47.1         | 136.7                              | GGFG                |                      | 145                   | 24                   |
| 10309E                                  | 5124N             | 2494-03182                   | 00000/0000                 | 2-20024/0416     | 05/30/76            | 70             | 6880         | 53.8         | 135.4                              | FFFG                |                      | 145                   | 24                   |
| 10309E                                  | 2724N             | 2614-02473                   | 00000/0000                 | 2-20034/0058     | 09/27/76            | 40             | 8553         | 47.2         | 127.5                              | GGGG                |                      | 139                   | 41                   |
| 10309E                                  | 2721N             | 2398-02534                   | 00000/0000                 | 2-20021/0538     | 02/24/76            | 60             | 5541         | 38.6         | 131.1                              | GGGG                |                      | 139                   | 41                   |
| 10309E                                  | 2720N             | 2632-02470                   | 00000/0000                 | 2-20034/0674     | 10/15/76            | 90             | 8804         | 42.9         | 135.1                              | GGGG                |                      | 139                   | 41                   |
| 10308E                                  | 5423N             | 2549-03214                   | 00000/0000                 | 2-20029/0177     | 07/24/76            | 10             | 7647         | 49.5         | 137.4                              | FGGG                |                      | 146                   | 22                   |
| 10307E                                  | 5133N             | 2548-03165                   | 00000/0000                 | 2-20029/0078     | 07/23/76            | 100            | 7633         | 51.1         | 133.2                              | GGGG                |                      | 145                   | 24                   |
| 10306E                                  | 5421N             | 2531-03221                   | 00000/0000                 | 2-20028/0736     | 07/06/76            | 90             | 7396         | 52.3         | 136.1                              | GGGG                |                      | 146                   | 22                   |
| 10306E                                  | 1004N             | 2377-02420                   | 00000/0000                 | 2-20020/0495     | 02/03/76            | 70             | 5248         | 42.4         | 124.0                              | FFGG                |                      | 136                   | 53                   |
| 10305E                                  | 5130N             | 2512-03175                   | 00000/0000                 | 2-20027/0076     | 06/17/76            | 10             | 7131         | 54.8         | 132.6                              | GGGG                |                      | 145                   | 24                   |
| 10305E                                  | 3151N             | 2453-02563                   | 00000/0000                 | 2-20023/0412     | 04/19/76            | 80             | 6308         | 53.6         | 117.3                              | GGGG                |                      | 140                   | 38                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US

PAGE 0812

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL | MSS | MSS   | ORBIT        | FRAME         |
|-----------------------------|-------|-------------------|-----------------------------------------|--------------|------------------|---------------------|-----------------|--------------|--------------|------------|-----|-------|--------------|---------------|
| LONG                        | LAT   |                   | RBV                                     | MSS          |                  |                     |                 |              |              | RBV        | 123 | 45678 | DATA<br>MODE | IMAGE<br>GAIN |
| 10305E                      | 2711N | 2380-02541        | 00000/0000                              | 2-20020/1018 | 02/06/76         | 40                  | 5290            | 34.0         | 136.0        | GGGG       |     |       | 139          | 41            |
| 10305E                      | 2139N | 2397-02494        | 00000/0000                              | 2-20021/0476 | 02/23/76         | 30                  | 5527            | 41.1         | 126.8        | GGGG       |     |       | 138          | 45            |
| 10304E                      | 5418N | 2513-03224        | 00000/0000                              | 2-20024/1752 | 06/18/76         | 10                  | 7145            | 53.4         | 137.0        | GGGG       |     |       | 146          | 22            |
| 10302E                      | 3147N | 2435-02570        | 00000/0000                              | 2-20022/1122 | 04/01/76         | 20                  | 6057            | 48.4         | 123.9        | GGGG       |     |       | 140          | 38            |
| 10302E                      | 3144N | 2471-02560        | 00000/0000                              | 2-20024/1713 | 05/07/76         | 40                  | 6559            | 57.4         | 109.6        | FGFG       |     |       | 140          | 38            |
| 10302E                      | 2131N | 2379-02501        | 00000/0000                              | 2-20020/0972 | 02/05/76         | 40                  | 5276            | 37.1         | 132.4        | GGGF       |     |       | 138          | 45            |
| 10300E                      | 0258N | 2448-02362        | 00000/0000                              | 2-20023/0141 | 04/14/76         | 40                  | 6238            | 51.8         | 78.5         | GGGG       |     |       | 138          | 50            |
| 10259E                      | 3149N | 2705-02483        | 00000/0000                              | 2-20038/0105 | 12/27/76         | 20                  | 9822            | 25.5         | 144.3        | FGFG       |     |       | 140          | 38            |
| 10259E                      | 0255N | 2430-02365        | 00000/0000                              | 2-20022/0711 | 03/27/76         | 40                  | 5987            | 50.9         | 89.5         | FGFG       |     |       | 135          | 58            |
| 10258E                      | 3148N | 2723-02475        | 00000/0000                              | 2-20038/1353 | 01/14/77         | 10                  | 73              | 26.0         | 141.2        | GGGG       |     |       | 140          | 38            |
| 10258E                      | 3143N | 2687-02492        | 00000/0000                              | 2-20037/0577 | 12/09/76         | 0                   | 9571            | 27.1         | 146.0        | GGGG       |     |       | 140          | 38            |
| 10258E                      | 3137N | 2651-02505        | 00000/0000                              | 2-20035/0479 | 11/03/76         | 30                  | 9069            | 35.0         | 143.6        | GGGG       |     |       | 140          | 38            |
| 10257E                      | 3142N | 2417-02574        | 00000/0000                              | 2-20021/1592 | 03/14/76         | 50                  | 5806            | 42.4         | 129.4        | GGGG       |     |       | 140          | 38            |
| 10257E                      | 3142N | 2669-02500        | 00000/0000                              | 2-20036/1115 | 11/21/76         | 30                  | 9320            | 30.5         | 145.9        | GGGG       |     |       | 140          | 38            |
| 10255E                      | 3608N | 2454-03010        | 00000/0000                              | 2-20024/0035 | 04/20/76         | 20                  | 6322            | 52.4         | 122.9        | GGGG       |     |       | 141          | 35            |
| 10255E                      | 3605N | 2472-03003        | 00000/0000                              | 2-20024/1814 | 05/08/76         | 10                  | 6573            | 56.6         | 116.5        | FGGG       |     |       | 141          | 35            |
| 10255E                      | 3138N | 2399-02581        | 00000/0000                              | 2-20021/0651 | 02/25/76         | 70                  | 5555            | 36.5         | 134.1        | FGGG       |     |       | 140          | 38            |
| 10255E                      | 3138N | 2633-02513        | 00000/0000                              | 2-20034/0852 | 10/16/76         | 20                  | 8818            | 40.0         | 139.0        | GGGG       |     |       | 140          | 38            |
| 10253E                      | 3603N | 2436-03013        | 00000/0000                              | 2-20022/1280 | 04/02/76         | 10                  | 6071            | 46.8         | 128.4        | GGGG       |     |       | 141          | 35            |
| 10253E                      | 2604N | 2452-02523        | 00000/0000                              | 2-20023/0374 | 04/18/76         | 20                  | 6294            | 54.7         | 109.2        | GGGG       |     |       | 139          | 42            |
| 10252E                      | 3600N | 2544-02583        | 00000/0000                              | 2-20028/1877 | 07/19/76         | 10                  | 7577            | 56.7         | 107.8        | GGGG       |     |       | 141          | 35            |
| 10252E                      | 3558N | 2526-02591        | 00000/0000                              | 2-20028/0410 | 07/01/76         | 10                  | 7326            | 58.6         | 104.9        | GGGG       |     |       | 141          | 35            |
| 10251E                      | 3607N | 2706-02530        | 00000/0000                              | 2-20038/0110 | 12/28/76         | 10                  | 9836            | 22.4         | 146.1        | GGGG       |     |       | 141          | 35            |
| 10251E                      | 3606N | 2724-02522        | 00000/0000                              | 2-20038/1455 | 01/15/77         | 10                  | 87              | 23.2         | 143.0        | GGGG       |     |       | 141          | 35            |
| 10251E                      | 2602N | 2434-02530        | 00000/0000                              | 2-20022/1056 | 03/31/76         | 30                  | 6043            | 50.1         | 117.3        | GGGG       |     |       | 139          | 42            |
| 10250E                      | 3603N | 2688-02535        | 00000/0000                              | 2-20037/0580 | 12/10/76         | 40                  | 9585            | 23.8         | 147.9        | GGG        |     |       | 141          | 35            |
| 10250E                      | 3558N | 2418-03020        | 00000/0000                              | 2-20021/1646 | 03/15/76         | 40                  | 5820            | 40.5         | 133.0        | GGFG       |     |       | 141          | 35            |
| 10250E                      | 3556N | 2503-02593        | 00000/0000                              | 2-20026/1393 | 06/13/76         | 50                  | 7075            | 59.5         | 105.7        | GGGG       |     |       | 141          | 35            |
| 10249E                      | 3555N | 2652-02551        | 00000/0000                              | 2-20036/0017 | 11/04/76         | 0                   | 9083            | 31.7         | 146.4        | FGGG       |     |       | 141          | 35            |
| 10249E                      | 2601N | 2704-02443        | 00000/0000                              | 2-20038/0334 | 12/26/76         | 20                  | 9808            | 29.5         | 141.6        | GGGG       |     |       | 139          | 42            |
| 10248E                      | 3557N | 2670-02543        | 00000/0000                              | 2-20036/1137 | 11/22/76         | 0                   | 9334            | 27.1         | 148.2        | GGGG       |     |       | 141          | 35            |
| 10248E                      | 2602N | 2722-02435        | 00000/0000                              | 2-20038/1476 | 01/13/77         | 70                  | 59              | 29.7         | 138.4        | GGGG       |     |       | 139          | 42            |
| 10248E                      | 2558N | 2668-02460        | 00000/0000                              | 2-20036/1113 | 11/20/76         | 100                 | 9306            | 34.7         | 142.6        | FGGG       |     |       | 139          | 42            |
| 10248E                      | 2557N | 2416-02533        | 00000/0000                              | 2-20022/0054 | 03/13/76         | 20                  | 5792            | 44.7         | 124.1        | GGGG       |     |       | 139          | 42            |
| 10247E                      | 3556N | 2634-02555        | 00000/0000                              | 2-20034/0640 | 10/17/76         | 60                  | 8832            | 37.0         | 142.5        | GGGG       |     |       | 141          | 35            |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10247E                                  | 2559N             | 2686-02452                   | 00000/0000                  | 2-20037/0396     | 12/08/76            | 100             | 9557         | 31.3         | 160.1                              | GGGG                |                      | 139                   | 42                   |
| 10246E                                  | 3559N             | 2616-02563                   | 00000/0000                  | 2-20034/0167     | 09/29/76            | 10              | 8581         | 42.2         | 10.7                               | GGGG                |                      | 141                   | 35                   |
| 10246E                                  | 2556N             | 2398-02541                   | 00000/0000                  | 2-20021/0539     | 02/24/76            | 30              | 5541         | 39.3         | 130.0                              | GGGF                |                      | 139                   | 42                   |
| 10246E                                  | 2556N             | 2650-02465                   | 00000/0000                  | 2-20035/0433     | 11/02/76            | 50              | 9055         | 39.1         | 139.5                              | GGGG                |                      | 139                   | 42                   |
| 10246E                                  | 0838N             | 2377-02422                   | 00000/0000                  | 2-20020/0496     | 02/03/76            | 40              | 5248         | 43.0         | 122.7                              | FFGG                |                      | 136                   | 50                   |
| 10243E                                  | 2013N             | 2397-02500                   | 00000/0000                  | 2-20021/0477     | 02/23/76            | 10              | 5527         | 41.8         | 125.5                              | GGGG                |                      | 138                   | 46                   |
| 10242E                                  | 2545N             | 2380-02544                   | 00000/0000                  | 2-20020/1019     | 02/06/76            | 20              | 5290         | 34.9         | 135.0                              | GGGG                |                      | 139                   | 42                   |
| 10241E                                  | 1419N             | 2378-02463                   | 00000/0000                  | 2-20020/0892     | 02/04/76            | 40              | 5262         | 40.6         | 127.2                              | FFGG                |                      | 137                   | 50                   |
| 10240E                                  | 2005N             | 2379-02503                   | 00000/0000                  | 2-20020/0973     | 02/05/76            | 40              | 5276         | 37.9         | 131.3                              | FFGG                |                      | 138                   | 46                   |
| 10240E                                  | 0131N             | 2448-02364                   | 00000/0000                  | 2-20023/0142     | 04/14/76            | 70              | 6238         | 51.2         | 76.8                               | GGGG                |                      | 135                   | 39                   |
| 10239E                                  | 3025N             | 2453-02565                   | 00000/0000                  | 2-20023/0413     | 04/19/76            | 40              | 6308         | 54.0         | 115.2                              | GGGG                |                      | 140                   | 39                   |
| 10239E                                  | 0128N             | 2430-02372                   | 00000/0000                  | 2-20022/0712     | 03/27/76            | 90              | 5987         | 50.7         | 87.7                               | GGGG                |                      | 135                   | 59                   |
| 10237E                                  | 3021N             | 2435-02573                   | 00000/0000                  | 2-20022/1123     | 04/01/76            | 20              | 6057         | 48.9         | 122.2                              | GGGG                |                      | 140                   | 39                   |
| 10237E                                  | 3019N             | 2471-02562                   | 00000/0000                  | 2-20024/1714     | 05/07/76            | 40              | 6559         | 57.6         | 107.2                              | FGFG                |                      | 140                   | 39                   |
| 10234E                                  | 5557N             | 2586-03260                   | 00000/0000                  | 2-20032/0351     | 08/30/76            | 100             | 8163         | 38.8         | 146.3                              | GGGG                |                      | 147                   | 21                   |
| 10232E                                  | 5553N             | 2568-03263                   | 00000/0000                  | 2-20030/1146     | 08/12/76            | 30              | 7912         | 44.1         | 142.4                              | GGGG                |                      | 147                   | 21                   |
| 10232E                                  | 3015N             | 2417-02580                   | 00000/0000                  | 2-20021/1593     | 03/14/76            | 10              | 5806         | 43.1         | 128.0                              | GGGG                |                      | 140                   | 39                   |
| 10231E                                  | 3012N             | 2399-02583                   | 00000/0000                  | 2-20021/0652     | 02/25/76            | 60              | 5555         | 37.3         | 133.1                              | GGGG                |                      | 140                   | 39                   |
| 10230E                                  | 2438N             | 2452-02525                   | 00000/0000                  | 2-20023/0375     | 04/18/76            | 10              | 6294         | 54.9         | 107.1                              | GGFG                |                      | 139                   | 42                   |
| 10229E                                  | 5009N             | 2494-03184                   | 00000/0000                  | 2-20026/0417     | 05/30/76            | 100             | 6880         | 54.5         | 133.2                              | FGGP                |                      | 145                   | 28                   |
| 10229E                                  | 2436N             | 2434-02532                   | 00000/0000                  | 2-20022/1057     | 03/31/76            | 10              | 6043         | 50.5         | 115.5                              | GGGG                |                      | 139                   | 42                   |
| 10229E                                  | 0710N             | 2413-02415                   | 00000/0000                  | 2-20021/1405     | 03/10/76            | 50              | 5750         | 48.9         | 104.7                              | FGGG                |                      | 136                   | 55                   |
| 10228E                                  | 5545N             | 2550-03270                   | 00000/0000                  | 2-20030/0134     | 07/25/76            | 10              | 7661         | 48.5         | 139.4                              | GGGG                |                      | 147                   | 21                   |
| 10228E                                  | 5544N             | 2532-03273                   | 00000/0000                  | 2-20028/0833     | 07/07/76            | 10              | 7410         | 51.4         | 138.2                              | GGGG                |                      | 147                   | 21                   |
| 10228E                                  | 5307N             | 2567-03213                   | 00000/0000                  | 2-20030/1108     | 08/11/76            | 40              | 7898         | 46.1         | 138.8                              | GGGG                |                      | 146                   | 28                   |
| 10228E                                  | 5307N             | 2585-03210                   | 00000/0000                  | 2-20032/0304     | 08/29/76            | 10              | 8149         | 40.9         | 143.0                              | GGGG                |                      | 146                   | 28                   |
| 10228E                                  | 3442N             | 2454-03012                   | 00000/0000                  | 2-20024/0036     | 04/20/76            | 30              | 6322         | 53.0         | 121.0                              | GGGF                |                      | 141                   | 36                   |
| 10228E                                  | 3439N             | 2472-03005                   | 00000/0000                  | 2-20024/1815     | 05/08/76            | 10              | 6573         | 57.0         | 114.1                              | GGFG                |                      | 141                   | 36                   |
| 10226E                                  | 5540N             | 2514-03280                   | 00000/0000                  | 2-20027/0026     | 06/19/76            | 10              | 7159         | 52.6         | 139.0                              | GGGG                |                      | 147                   | 21                   |
| 10226E                                  | 5009N             | 2548-03171                   | 00000/0000                  | 2-20029/0079     | 07/23/76            | 100             | 7633         | 51.3         | 131.1                              | GGGG                |                      | 145                   | 28                   |
| 10226E                                  | 3900N             | 2455-03055                   | 00000/0000                  | 2-20024/0220     | 04/21/76            | 90              | 6336         | 51.5         | 126.5                              | GGGG                |                      | 142                   | 33                   |
| 10226E                                  | 3437N             | 2436-03015                   | 00000/0000                  | 2-20022/1281     | 04/02/76            | 10              | 6071         | 47.5         | 126.8                              | GGGG                |                      | 141                   | 36                   |
| 10226E                                  | 0712N             | 2377-02425                   | 00000/0000                  | 2-20020/0497     | 02/03/76            | 30              | 5248         | 43.6         | 121.4                              | FFFG                |                      | 136                   | 58                   |
| 10225E                                  | 3435N             | 2544-02590                   | 00000/0000                  | 2-20028/1878     | 07/19/76            | 20              | 7577         | 56.9         | 105.4                              | GGGG                |                      | 141                   | 36                   |
| 10225E                                  | 3432N             | 2526-02593                   | 00000/0000                  | 2-20028/0411     | 07/01/76            | 50              | 7326         | 58.6         | 102.3                              | GGGG                |                      | 141                   | 36                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MSDF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10225E 2436N                            | 2722-02441        | 00000/0000                   | 2-2003R/1477                | 01/13/77         | 70                  | 59              | 30.6         | 137.6        | GGGG                               |                     |                      | 139                   | 43                   |
| 10225E 2435N                            | 2704-02450        | 00000/0000                   | 2-2003R/0335                | 12/26/76         | 20                  | 9808            | 30.5         | 140.8        | GGGG                               |                     |                      | 139                   | 43                   |
| 10225E 2432N                            | 2416-02540        | 00000/0000                   | 2-2002P/0055                | 03/13/76         | 10                  | 5792            | 45.3         | 122.7        | GGGG                               |                     |                      | 139                   | 43                   |
| 10225E 2432N                            | 2668-02463        | 00000/0000                   | 2-2003R/1086                | 11/20/76         | 100                 | 9306            | 35.7         | 141.7        | G                                  |                     |                      | 139                   | 43                   |
| 10224E 5259N                            | 5249-03221        | 00000/0000                   | 2-2002P/0178                | 07/24/76         | 30                  | 7647            | 50.2         | 135.4        | GGGG                               |                     |                      | 146                   | 23                   |
| 10224E 5005N                            | 2512-0318P        | 00000/0000                   | 2-2002P/0077                | 06/17/76         | 10                  | 7131            | 55.5         | 130.3        | GGGG                               |                     |                      | 145                   | 25                   |
| 10224E 3856N                            | 2437-0306P        | 00000/0000                   | 2-2002P/1191                | 04/03/76         | 10                  | 6085            | 45.8         | 131.3        | GGGG                               |                     |                      | 142                   | 33                   |
| 10224E 3430N                            | 2508-03000        | 00000/0000                   | 2-2002P/1394                | 06/13/76         | 70                  | 7075            | 59.5         | 103.0        | GGGG                               |                     |                      | 141                   | 36                   |
| 10224E 2434N                            | 2656-02454        | 00000/0000                   | 2-2003P/0397                | 12/08/76         | 90                  | 9557            | 32.3         | 142.3        | GGGG                               |                     |                      | 139                   | 43                   |
| 10223E 3854N                            | 2473-0305P        | 00000/0000                   | 2-2002P/1848                | 05/09/76         | 80                  | 6587            | 56.0         | 120.7        | GGGG                               |                     |                      | 142                   | 33                   |
| 10223E 3432N                            | 2418-0302P        | 00000/0000                   | 2-2002P/1647                | 03/15/76         | 20                  | 5820            | 41.3         | 131.7        | GGGG                               |                     |                      | 141                   | 36                   |
| 10223E 2430N                            | 2398-02543        | 00000/0000                   | 2-2002P/0540                | 02/24/76         | 10                  | 5541            | 40.0         | 128.8        | GGGG                               |                     |                      | 139                   | 43                   |
| 10223E 2429N                            | 2650-02471        | 00000/0000                   | 2-2003P/0434                | 11/02/76         | 70                  | 9055            | 40.1         | 138.5        | GGGG                               |                     |                      | 139                   | 43                   |
| 10222E 5257N                            | 2531-03224        | 00000/0000                   | 2-2002R/0737                | 07/06/76         | 90                  | 7396            | 53.0         | 134.0        | GGGG                               |                     |                      | 146                   | 23                   |
| 10222E 3857N                            | 2707-02575        | 00000/0000                   | 2-2003R/0268                | 12/29/76         | 10                  | 9850            | 20.3         | 147.2        | GGGG                               |                     |                      | 142                   | 33                   |
| 10222E 1847N                            | 2397-02503        | 00000/0000                   | 2-2002P/0478                | 02/23/76         | 10                  | 5527            | 42.4         | 124.2        | FGGG                               |                     |                      | 138                   | 47                   |
| 10221E 3857N                            | 2725-02571        | 00000/0000                   | 2-2003R/1502                | 01/16/77         | 40                  | 101             | 21.4         | 144.2        | GGGG                               |                     |                      | 142                   | 33                   |
| 10221E 3852N                            | 2689-02584        | 00000/0000                   | 2-2003P/0266                | 12/11/76         | 10                  | 9599            | 21.5         | 149.1        | FGGG                               |                     |                      | 142                   | 33                   |
| 10221E 1252N                            | 2378-02465        | 00000/0000                   | 2-2002P/0893                | 02/04/76         | 50                  | 5262            | 41.3         | 126.1        | FFFG                               |                     |                      | 137                   | 51                   |
| 10220E 5254N                            | 2513-03231        | 00000/0000                   | 2-2002P/1753                | 06/18/76         | 50                  | 7145            | 54.1         | 134.8        | GGGG                               |                     |                      | 146                   | 23                   |
| 10220E 3850N                            | 2419-03070        | 00000/0000                   | 2-2002P/0137                | 03/16/76         | 40                  | 5834            | 39.3         | 135.2        | GGGG                               |                     |                      | 142                   | 33                   |
| 10219E 2420N                            | 2380-02550        | 00000/0000                   | 2-2002P/1020                | 02/06/76         | 40                  | 5290            | 35.7         | 134.1        | FGGG                               |                     |                      | 139                   | 43                   |
| 10219E 1840N                            | 2379-02510        | 00000/0000                   | 2-2002P/0974                | 02/05/76         | 20                  | 5276            | 38.6         | 130.3        | GGGF                               |                     |                      | 138                   | 47                   |
| 10217E 3852N                            | 2617-0301P        | 00000/0000                   | 2-2003P/0151                | 09/30/76         | 10                  | 8595            | 40.1         | 139.6        | GGGG                               |                     |                      | 142                   | 33                   |
| 10217E 3846N                            | 2653-03001        | 00000/0000                   | 2-2003P/0535                | 11/05/76         | 60                  | 9097            | 29.4         | 148.2        | GGGG                               |                     |                      | 142                   | 33                   |
| 10217E 3846N                            | 2671-0259P        | 00000/0000                   | 2-2003P/1215                | 11/23/76         | 0                   | 9348            | 24.8         | 149.6        | GGGG                               |                     |                      | 142                   | 33                   |
| 10215E 3846N                            | 2635-03005        | 00000/0000                   | 2-2003P/0884                | 10/18/76         | 0                   | 8846            | 34.7         | 144.8        | GGGG                               |                     |                      | 142                   | 33                   |
| 10215E 2858N                            | 2453-0257P        | 00000/0000                   | 2-2002P/0414                | 04/19/76         | 10                  | 6308            | 54.3         | 113.1        | GGGG                               |                     |                      | 140                   | 40                   |
| 10213E 2856N                            | 2435-02575        | 00000/0000                   | 2-2002P/1124                | 04/01/76         | 20                  | 6057            | 49.4         | 120.4        | GGGG                               |                     |                      | 140                   | 40                   |
| 10208E 2850N                            | 2417-02583        | 00000/0000                   | 2-2002P/1594                | 03/14/76         | 10                  | 5806            | 43.7         | 126.6        | FF F                               |                     |                      | 140                   | 40                   |
| 10208E 2312N                            | 2452-0253P        | 00000/0000                   | 2-2002P/0376                | 04/18/76         | 10                  | 6294            | 55.0         | 104.9        | GGFG                               |                     |                      | 139                   | 44                   |
| 10208E 0543N                            | 2413-0242P        | 00000/0000                   | 2-2002P/1406                | 03/10/76         | 50                  | 5750            | 49.0         | 103.0        | FGGG                               |                     |                      | 136                   | 56                   |
| 10206E 2846N                            | 2399-02590        | 00000/0000                   | 2-2002P/0653                | 02/25/76         | 70                  | 5555            | 38.1         | 132.0        | GGGG                               |                     |                      | 140                   | 40                   |
| 10206E 2309N                            | 2434-02535        | 00000/0000                   | 2-2002P/1058                | 03/31/76         | 10                  | 6043            | 50.9         | 113.6        | GGGG                               |                     |                      | 139                   | 44                   |
| 10203E 3313N                            | 2472-0301P        | 00000/0000                   | 2-2002P/1816                | 05/08/76         | 10                  | 6573            | 57.3         | 111.7        | GGGG                               |                     |                      | 141                   | 37                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MSDF..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10203E 2306N                            | 2416-02542        | 00000/0000                   | 2-20022/0056                | 03/13/76         | 10                  | 5792            | 45.8         | 121.2        | GGGG                               |                     |                      | 139                   | 44                   |
| 10202E 3316N                            | 2454-03015        | 00000/0000                   | 2-20024/0037                | 04/20/76         | 10                  | 6322            | 53.4         | 118.9        | GGGG                               |                     |                      | 141                   | 37                   |
| 10200E 3311N                            | 2436-03022        | 00000/0000                   | 2-20022/1282                | 04/02/76         | 10                  | 6071            | 48.1         | 125.1        | GGGG                               |                     |                      | 141                   | 37                   |
| 10200E 3310N                            | 2544-02592        | 00000/0000                   | 2-20024/1879                | 07/19/76         | 30                  | 7577            | 57.0         | 103.0        | GGGG                               |                     |                      | 141                   | 37                   |
| 10200E 2303N                            | 2398-02550        | 00000/0000                   | 2-20021/0541                | 02/24/76         | 10                  | 5541            | 40.7         | 127.6        | FGGG                               |                     |                      | 139                   | 44                   |
| 10200E 1126N                            | 2378-02472        | 00000/0000                   | 2-20020/0894                | 02/04/76         | 60                  | 5262            | 41.9         | 124.8        | FFFF                               |                     |                      | 137                   | 52                   |
| 10159E 3306N                            | 2526-03000        | 00000/0000                   | 2-20028/0412                | 07/01/76         | 100                 | 7326            | 58.6         | 99.7         | GGFG                               |                     |                      | 141                   | 37                   |
| 10158E 5718N                            | 2569-03314        | 00000/0000                   | 2-20030/1216                | 08/13/76         | 30                  | 7926            | 43.0         | 144.4        | GGGG                               |                     |                      | 148                   | 20                   |
| 10158E 3735N                            | 2455-03061        | 00000/0000                   | 2-20024/0221                | 04/21/76         | 90                  | 6336            | 52.1         | 124.6        | GGGG                               |                     |                      | 142                   | 34                   |
| 10158E 3305N                            | 2508-03002        | 00000/0000                   | 2-20026/1395                | 06/13/76         | 90                  | 7075            | 59.6         | 100.4        | GGGG                               |                     |                      | 141                   | 37                   |
| 10157E 5720N                            | 2587-03311        | 00000/0000                   | 2-20032/0640                | 08/31/76         | 50                  | 8177            | 37.5         | 148.0        | GGGG                               |                     |                      | 148                   | 20                   |
| 10157E 3306N                            | 2418-03025        | 00000/0000                   | 2-20021/1648                | 03/15/76         | 10                  | 5820            | 42.0         | 130.4        | GGGG                               |                     |                      | 141                   | 37                   |
| 10157E 2254N                            | 2380-02553        | 00000/0000                   | 2-20020/1021                | 02/06/76         | 80                  | 5290            | 36.5         | 133.1        | GGGG                               |                     |                      | 139                   | 44                   |
| 10157E 1713N                            | 2379-02512        | 00000/0000                   | 2-20020/0975                | 02/05/76         | 40                  | 5276            | 39.4         | 129.2        | GGGG                               |                     |                      | 138                   | 48                   |
| 10156E 3730N                            | 2437-03065        | 00000/0000                   | 2-20022/1192                | 04/03/76         | 20                  | 6085            | 46.5         | 129.7        | GGGG                               |                     |                      | 142                   | 34                   |
| 10156E 3307N                            | 2670-02552        | 00000/0000                   | 2-20036/0811                | 11/22/76         | 70                  | 9334            | 29.2         | 146.7        | FFFF                               |                     |                      | 141                   | 37                   |
| 10154E 3732N                            | 2707-02582        | 00000/0000                   | 2-20038/0269                | 12/29/76         | 10                  | 9850            | 21.3         | 146.6        | FGGG                               |                     |                      | 142                   | 34                   |
| 10154E 3728N                            | 2473-03054        | 00000/0000                   | 2-20024/1849                | 05/09/76         | 90                  | 6587            | 56.4         | 118.4        | GGGG                               |                     |                      | 142                   | 34                   |
| 10154E 3304N                            | 2400-03033        | 00000/0000                   | 2-20021/0687                | 02/26/76         | 90                  | 5569            | 36.0         | 135.0        | FGGG                               |                     |                      | 141                   | 37                   |
| 10153E 5707N                            | 2533-03325        | 00000/0000                   | 2-20028/0938                | 07/08/76         | 10                  | 7424            | 50.5         | 140.4        | GGGG                               |                     |                      | 148                   | 20                   |
| 10153E 3731N                            | 2725-02574        | 00000/0000                   | 2-20038/1503                | 01/16/77         | 30                  | 101             | 22.4         | 143.5        | GGGG                               |                     |                      | 142                   | 34                   |
| 10153E 3727N                            | 2689-02590        | 00000/0000                   | 2-20037/0267                | 12/11/76         | 10                  | 9599            | 22.6         | 148.5        | GGGG                               |                     |                      | 142                   | 34                   |
| 10152E 5147N                            | 2459-03245        | 00000/0000                   | 2-20024/0542                | 04/25/76         | 50                  | 6392            | 46.0         | 141.6        | GGGG                               |                     |                      | 146                   | 24                   |
| 10152E 3725N                            | 2419-03072        | 00000/0000                   | 2-20022/0138                | 03/16/76         | 60                  | 5834            | 40.1         | 134.0        | GGGG                               |                     |                      | 142                   | 34                   |
| 10151E 3723N                            | 2545-03035        | 00000/0000                   | 2-20028/1791                | 07/20/76         | 30                  | 7591            | 56.4         | 110.4        | GGGG                               |                     |                      | 142                   | 34                   |
| 10151E 2732N                            | 2453-02574        | 00000/0000                   | 2-20023/0415                | 04/19/76         | 30                  | 6308            | 54.6         | 111.0        | GGGG                               |                     |                      | 140                   | 41                   |
| 10150E 5702N                            | 2515-03332        | 00000/0000                   | 2-20027/0070                | 06/20/76         | 40                  | 7173            | 51.8         | 141.1        | GGGG                               |                     |                      | 148                   | 20                   |
| 10150E 3719N                            | 2509-03045        | 00000/0000                   | 2-20026/1595                | 06/14/76         | 40                  | 7089            | 59.3         | 108.1        | GGGG                               |                     |                      | 142                   | 34                   |
| 10149E 3726N                            | 2617-03015        | 00000/0000                   | 2-20034/0152                | 09/30/76         | 0                   | 8595            | 41.0         | 138.3        | GGGG                               |                     |                      | 142                   | 34                   |
| 10149E 3721N                            | 2671-02595        | 00000/0000                   | 2-20036/1158                | 11/23/76         | 0                   | 9348            | 25.8         | 148.9        | GGGG                               |                     |                      | 142                   | 34                   |
| 10149E 3720N                            | 2653-03003        | 00000/0000                   | 2-20035/0536                | 11/05/76         | 50                  | 9097            | 30.4         | 147.4        | GGGG                               |                     |                      | 142                   | 34                   |
| 10149E 2729N                            | 2435-02582        | 00000/0000                   | 2-20022/1125                | 04/01/76         | 10                  | 6057            | 49.9         | 118.7        | GGGG                               |                     |                      | 140                   | 41                   |
| 10148E 3721N                            | 2635-03011        | 00000/0000                   | 2-20034/0885                | 10/18/76         | 10                  | 8846            | 35.7         | 143.8        | GGGG                               |                     |                      | 142                   | 34                   |
| 10148E 0417N                            | 2413-02424        | 00000/0000                   | 2-20021/1407                | 03/10/76         | 70                  | 5750            | 49.1         | 101.3        | FGGG                               |                     |                      | 136                   | 57                   |
| 10146E 5434N                            | 2586-03262        | 00000/0000                   | 2-20032/0352                | 08/30/76         | 90                  | 8163            | 39.7         | 144.8        | GGGG                               |                     |                      | 147                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0816

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10145E 5429N                            | 2568-03265        | 00000/0000                   | 2-20030/1147                | 08/12/76         | 40                  | 7912            | 45.0         | 140.7        | GGGG                               |                     |                      | 147                   | 22                   |
| 10145E 5143N                            | 2585-03213        | 00000/0000                   | 2-20032/0305                | 08/29/76         | 20                  | 8149            | 41.8         | 141.5        | FFFF                               |                     |                      | 146                   | 24                   |
| 10145E 5142N                            | 2567-03220        | 00000/0000                   | 2-20030/1109                | 08/11/76         | 40                  | 7898            | 46.8         | 137.0        | GGGG                               |                     |                      | 146                   | 24                   |
| 10145E 0418N                            | 2377-02434        | 00000/0000                   | 2-20020/0498                | 02/03/76         | 70                  | 5248            | 44.6         | 118.8        | FFFG                               |                     |                      | 136                   | 57                   |
| 10144E 2724N                            | 2417-02585        | 00000/0000                   | 2-20021/1595                | 03/14/76         | 0                   | 5806            | 44.4         | 125.2        | GGGG                               |                     |                      | 140                   | 41                   |
| 10143E 6246N                            | 2482-03494        | 00000/0000                   | 2-20025/0776                | 05/18/76         | 20                  | 6713            | 44.7         | 153.4        | GGG                                |                     |                      | 151                   | 16                   |
| 10143E 2720N                            | 2399-02592        | 00000/0000                   | 2-20021/0654                | 02/25/76         | 50                  | 5555            | 38.9         | 130.8        | GGGG                               |                     |                      | 140                   | 41                   |
| 10142E 5420N                            | 2532-03280        | 00000/0000                   | 2-20028/0834                | 07/07/76         | 60                  | 7410            | 52.2         | 136.1        | GGGG                               |                     |                      | 147                   | 22                   |
| 10142E 5135N                            | 2549-03223        | 00000/0000                   | 2-20029/0179                | 07/24/76         | 90                  | 7647            | 50.9         | 133.4        | GGGG                               |                     |                      | 146                   | 24                   |
| 10141E 5422N                            | 2560-03272        | 00000/0000                   | 2-20030/0135                | 07/25/76         | 10                  | 7661            | 49.3         | 137.5        | GGGG                               |                     |                      | 147                   | 22                   |
| 10140E 5133N                            | 2531-03230        | 00000/0000                   | 2-20029/0738                | 07/06/76         | 60                  | 7396            | 53.7         | 131.8        | GGGG                               |                     |                      | 146                   | 24                   |
| 10140E 1000N                            | 2378-02474        | 00000/0000                   | 2-20020/0895                | 02/04/76         | 70                  | 5262            | 42.5         | 123.6        | FFGG                               |                     |                      | 137                   | 53                   |
| 10139E 5416N                            | 2514-03283        | 00000/0000                   | 2-20026/1873                | 06/19/76         | 20                  | 7159            | 53.4         | 136.8        | GGGG                               |                     |                      | 147                   | 22                   |
| 10138E 5130N                            | 2513-03233        | 00000/0000                   | 2-20026/1754                | 06/18/76         | 90                  | 7145            | 54.8         | 132.5        | GGGG                               |                     |                      | 146                   | 24                   |
| 10138E 3146N                            | 2472-03014        | 00000/0000                   | 2-20024/1817                | 05/08/76         | 10                  | 6573            | 57.6         | 109.3        | GGGG                               |                     |                      | 141                   | 38                   |
| 10138E 2138N                            | 2398-02552        | 00000/0000                   | 2-20021/0542                | 02/24/76         | 10                  | 5541            | 41.4         | 126.4        | FFGG                               |                     |                      | 139                   | 45                   |
| 10137E 3150N                            | 2454-03021        | 00000/0000                   | 2-20024/0038                | 04/20/76         | 0                   | 6322            | 53.9         | 116.9        | GGGG                               |                     |                      | 141                   | 38                   |
| 10136E 1546N                            | 2379-02515        | 00000/0000                   | 2-20020/0976                | 02/05/76         | 30                  | 5276            | 40.1         | 128.1        | GGGG                               |                     |                      | 138                   | 49                   |
| 10135E 3145N                            | 2436-03024        | 00000/0000                   | 2-20022/1283                | 04/02/76         | 80                  | 6071            | 48.7         | 123.5        | GGGG                               |                     |                      | 141                   | 38                   |
| 10135E 2128N                            | 2380-02555        | 00000/0000                   | 2-20020/1022                | 02/06/76         | 70                  | 5290            | 37.3         | 132.0        | FFGG                               |                     |                      | 139                   | 45                   |
| 10132E 3141N                            | 2418-03032        | 00000/0000                   | 2-20021/1649                | 03/15/76         | 10                  | 5820            | 42.7         | 129.0        | GGGG                               |                     |                      | 141                   | 38                   |
| 10131E 3609N                            | 2455-03064        | 00000/0000                   | 2-20024/0222                | 04/21/76         | 90                  | 6336            | 52.7         | 122.6        | GGGG                               |                     |                      | 142                   | 35                   |
| 10131E 3142N                            | 2670-02555        | 00000/0000                   | 2-20036/0812                | 11/22/76         | 70                  | 9334            | 30.3         | 146.0        | FFFG                               |                     |                      | 141                   | 38                   |
| 10129E 3138N                            | 2400-03035        | 00000/0000                   | 2-20021/0688                | 02/26/76         | 10                  | 5569            | 36.8         | 133.9        | GGGG                               |                     |                      | 141                   | 38                   |
| 10128E 3604N                            | 2437-03071        | 00000/0000                   | 2-20022/1193                | 04/03/76         | 30                  | 6085            | 47.2         | 128.1        | GGGG                               |                     |                      | 142                   | 35                   |
| 10128E 2606N                            | 2453-02581        | 00000/0000                   | 2-20023/0416                | 04/19/76         | 40                  | 6308            | 54.9         | 108.8        | GGGG                               |                     |                      | 140                   | 42                   |
| 10128E 0250N                            | 2413-02431        | 00000/0000                   | 2-20021/1408                | 03/10/76         | 90                  | 5750            | 49.2         | 99.6         | FFGG                               |                     |                      | 136                   | 58                   |
| 10127E 3602N                            | 2473-03061        | 00000/0000                   | 2-20024/1850                | 05/09/76         | 100                 | 6587            | 56.8         | 116.1        | GGFG                               |                     |                      | 142                   | 35                   |
| 10125E 3556N                            | 2527-03045        | 00000/0000                   | 2-20028/0527                | 07/02/76         | 60                  | 7340            | 58.5         | 104.9        | GGGG                               |                     |                      | 142                   | 35                   |
| 10124E 3559N                            | 2419-03075        | 00000/0000                   | 2-20022/0139                | 03/16/76         | 70                  | 5834            | 40.9         | 132.7        | GGGF                               |                     |                      | 142                   | 35                   |
| 10124E 3558N                            | 2545-03042        | 00000/0000                   | 2-20029/0040                | 07/20/76         | 40                  | 7591            | 56.6         | 108.0        | GGGG                               |                     |                      | 142                   | 35                   |
| 10123E 3554N                            | 2509-03052        | 00000/0000                   | 2-20026/1596                | 06/14/76         | 30                  | 7089            | 59.4         | 105.5        | GGGG                               |                     |                      | 142                   | 35                   |
| 10122E 3556N                            | 2671-03001        | 00000/0000                   | 2-20036/1159                | 11/23/76         | 0                   | 9348            | 26.9         | 148.2        | FFGF                               |                     |                      | 142                   | 35                   |
| 10121E 4015N                            | 2672-03044        | 00000/0000                   | 2-20037/0154                | 11/24/76         | 80                  | 9362            | 23.4         | 150.3        | GGGG                               |                     |                      | 143                   | 32                   |
| 10121E 2558N                            | 2417-02592        | 00000/0000                   | 2-20021/1596                | 03/14/76         | 0                   | 5806            | 45.0         | 123.8        | GGGG                               |                     |                      | 140                   | 42                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NNN=US  
FROM 01/22/76 TO 01/22/77

PAGE 0817

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10120E 2554N                            | 2399-02595        | 00000/0000                   | 2-20021/0655                | 02/25/76         | 20                  | 5555            | 39.6         | 129.7        | GGGG                               |                     |                      | 140                   | 42                   |
| 10119E 0835N                            | 2378-02481        | 00000/0000                   | 2-20020/0896                | 02/04/76         | 70                  | 5262            | 43.1         | 122.3        | FFGG                               |                     |                      | 137                   | 54                   |
| 10116E 2545N                            | 2381-03002        | 00000/0000                   | 2-20020/1130                | 02/07/76         | 100                 | 5304            | 35.1         | 134.7        | GGFG                               |                     |                      | 140                   | 42                   |
| 10116E 2012N                            | 2398-02555        | 00000/0000                   | 2-20021/0543                | 02/24/76         | 10                  | 5541            | 42.0         | 125.1        | GGGG                               |                     |                      | 139                   | 46                   |
| 10116E 1420N                            | 2379-02521        | 00000/0000                   | 2-20020/0977                | 02/05/76         | 50                  | 5276            | 40.8         | 126.9        | GGG                                |                     |                      | 138                   | 50                   |
| 10107E 5555N                            | 2569-03321        | 00000/0000                   | 2-20030/1217                | 08/13/76         | 30                  | 7926            | 43.9         | 142.6        | GGGG                               |                     |                      | 142                   | 21                   |
| 10107E 3015N                            | 2418-03034        | 00000/0000                   | 2-20021/1650                | 03/15/76         | 30                  | 5820            | 43.4         | 127.7        | GGGG                               |                     |                      | 141                   | 39                   |
| 10107E 0717N                            | 2432-02470        | 00000/0000                   | 2-20022/0841                | 03/29/76         | 10                  | 6015            | 51.7         | 93.8         | FGGG                               |                     |                      | 137                   | 55                   |
| 10106E 5556N                            | 2587-03314        | 00000/0000                   | 2-20032/0641                | 08/31/76         | 50                  | 8177            | 38.5         | 146.5        | GGGG                               |                     |                      | 148                   | 21                   |
| 10106E 3016N                            | 2670-02561        | 00000/0000                   | 2-20036/0813                | 11/22/76         | 30                  | 9334            | 31.3         | 145.2        | FFFF                               |                     |                      | 141                   | 39                   |
| 10105E 3013N                            | 2400-03042        | 00000/0000                   | 2-20021/0689                | 02/26/76         | 40                  | 5569            | 37.6         | 132.8        | GGFG                               |                     |                      | 141                   | 39                   |
| 10105E 2440N                            | 2453-02583        | 00000/0000                   | 2-20023/0417                | 04/19/76         | 40                  | 6308            | 55.1         | 106.6        | GGGG                               |                     |                      | 140                   | 43                   |
| 10104E 3443N                            | 2455-03070        | 00000/0000                   | 2-20024/0223                | 04/21/76         | 60                  | 6336            | 53.2         | 120.6        | GGGG                               |                     |                      | 142                   | 36                   |
| 10103E 5544N                            | 2533-03331        | 00000/0000                   | 2-20028/0939                | 07/08/76         | 10                  | 7424            | 51.3         | 138.3        | GGGG                               |                     |                      | 148                   | 21                   |
| 10103E 2436N                            | 2435-02591        | 00000/0000                   | 2-20022/1126                | 04/01/76         | 10                  | 6057            | 50.8         | 115.0        | GGGG                               |                     |                      | 140                   | 43                   |
| 10102E 3439N                            | 2437-03074        | 00000/0000                   | 2-20022/1194                | 04/03/76         | 70                  | 6085            | 47.8         | 126.5        | GGGG                               |                     |                      | 142                   | 36                   |
| 10101E 3436N                            | 2473-03063        | 00000/0000                   | 2-20024/1851                | 05/09/76         | 100                 | 6587            | 57.2         | 113.7        | GGGG                               |                     |                      | 142                   | 36                   |
| 10100E 5539N                            | 2515-03334        | 00000/0000                   | 2-20027/0071                | 06/20/76         | 40                  | 7173            | 52.6         | 138.9        | GGGG                               |                     |                      | 142                   | 21                   |
| 10100E 5309N                            | 2586-03265        | 00000/0000                   | 2-20032/0353                | 08/30/76         | 80                  | 8163            | 40.6         | 143.3        | FGGG                               |                     |                      | 147                   | 23                   |
| 10100E 5304N                            | 2568-03272        | 00000/0000                   | 2-20030/1148                | 08/12/76         | 30                  | 7912            | 45.8         | 138.9        | GGGG                               |                     |                      | 147                   | 23                   |
| 10059E 3858N                            | 2456-03113        | 00000/0000                   | 2-20024/0339                | 04/22/76         | 30                  | 6350            | 51.8         | 126.2        | GGGG                               |                     |                      | 143                   | 33                   |
| 10059E 3430N                            | 2527-03051        | 00000/0000                   | 2-20028/0528                | 07/02/76         | 90                  | 7340            | 58.5         | 102.3        | GGGG                               |                     |                      | 142                   | 36                   |
| 10059E 0708N                            | 2378-02483        | 00000/0000                   | 2-20020/0897                | 02/04/76         | 70                  | 5262            | 43.7         | 121.0        | FFGG                               |                     |                      | 137                   | 55                   |
| 10058E 3433N                            | 2419-03081        | 00000/0000                   | 2-20022/0140                | 03/16/76         | 40                  | 5834            | 41.6         | 131.4        | GGGG                               |                     |                      | 142                   | 36                   |
| 10058E 3433N                            | 2545-03044        | 00000/0000                   | 2-20029/0041                | 07/20/76         | 40                  | 7591            | 56.8         | 105.6        | GGGG                               |                     |                      | 142                   | 36                   |
| 10058E 2432N                            | 2417-02594        | 00000/0000                   | 2-20021/1597                | 03/14/76         | 10                  | 5806            | 45.5         | 122.3        | GGGG                               |                     |                      | 140                   | 43                   |
| 10057E 5256N                            | 2532-03282        | 00000/0000                   | 2-20028/0835                | 07/07/76         | 90                  | 7410            | 52.9         | 134.0        | GGGG                               |                     |                      | 147                   | 23                   |
| 10057E 3856N                            | 2438-03120        | 00000/0000                   | 2-20022/1230                | 04/04/76         | 10                  | 6099            | 46.1         | 131.0        | GGGG                               |                     |                      | 143                   | 33                   |
| 10057E 3428N                            | 2509-03054        | 00000/0000                   | 2-20026/1597                | 06/14/76         | 60                  | 7089            | 59.5         | 102.8        | GGGG                               |                     |                      | 142                   | 36                   |
| 10056E 5258N                            | 2550-03275        | 00000/0000                   | 2-20030/0136                | 07/25/76         | 30                  | 7661            | 50.0         | 135.5        | GGGG                               |                     |                      | 147                   | 23                   |
| 10056E 3852N                            | 2474-03110        | 00000/0000                   | 2-20024/1897                | 05/10/76         | 20                  | 6601            | 56.2         | 120.3        | GGGG                               |                     |                      | 143                   | 33                   |
| 10056E 3431N                            | 2671-03004        | 00000/0000                   | 2-20036/1160                | 11/23/76         | 0                   | 9348            | 28.0         | 147.5        | GGG                                |                     |                      | 142                   | 36                   |
| 10056E 1254N                            | 2379-02524        | 00000/0000                   | 2-20020/0978                | 02/05/76         | 30                  | 5276            | 41.4         | 125.7        | FGFG                               |                     |                      | 138                   | 51                   |
| 10055E 5253N                            | 2514-03285        | 00000/0000                   | 2-20026/1874                | 06/19/76         | 20                  | 7159            | 54.1         | 134.6        | GGGG                               |                     |                      | 147                   | 23                   |
| 10055E 3857N                            | 2708-03033        | 00000/0000                   | 2-20038/0370                | 12/30/76         | 0                   | 9864            | 20.3         | 147.0        | FGGG                               |                     |                      | 143                   | 33                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FOR NON-US  
FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10055E 3854N                            | 2690-03042        | 00000/0000                   | 2-20037/0475                | 12/12/76         | 0                   | 9613            | 21.4         | 149.1        | GGGG                               |                     |                      | 143                   | 33                   |
| 10055E 1846N                            | 2398-02561        | 00000/0000                   | 2-20021/0544                | 02/24/76         | 10                  | 5541            | 42.6         | 123.9        | GGFG                               |                     |                      | 139                   | 47                   |
| 10053E 3850N                            | 2420-03124        | 00000/0000                   | 2-20021/1705                | 03/17/76         | 40                  | 5848            | 39.7         | 135.0        | GGFG                               |                     |                      | 143                   | 33                   |
| 10053E 3850N                            | 2546-03091        | 00000/0000                   | 2-20029/0097                | 07/21/76         | 20                  | 7605            | 56.0         | 113.1        | GGFG                               |                     |                      | 143                   | 33                   |
| 10053E 2419N                            | 2381-03004        | 00000/0000                   | 2-20020/1131                | 02/07/76         | 90                  | 5304            | 35.9         | 133.8        | GGFG                               |                     |                      | 140                   | 43                   |
| 10052E 3850N                            | 2672-03050        | 00000/0000                   | 2-20037/0155                | 11/24/76         | 80                  | 9362            | 24.5         | 149.6        | GGGG                               |                     |                      | 143                   | 33                   |
| 10052E 3849N                            | 2528-03094        | 00000/0000                   | 2-20028/0801                | 07/03/76         | 50                  | 7354            | 58.1         | 110.1        | GGGG                               |                     |                      | 143                   | 33                   |
| 10052E 3843N                            | 2510-03101        | 00000/0000                   | 2-20026/1626                | 06/15/76         | 100                 | 7103            | 59.1         | 110.6        | GGGG                               |                     |                      | 143                   | 33                   |
| 10051E 3844N                            | 2654-03055        | 00000/0000                   | 2-20036/0019                | 11/06/76         | 20                  | 9111            | 29.1         | 148.3        | GGGG                               |                     |                      | 143                   | 33                   |
| 10051E 1836N                            | 2380-02564        | 00000/0000                   | 2-20020/1023                | 02/06/76         | 70                  | 5290            | 38.8         | 129.9        | GGGG                               |                     |                      | 139                   | 47                   |
| 10050E 3849N                            | 2618-03070        | 00000/0000                   | 2-20034/0183                | 10/01/76         | 70                  | 8609            | 39.8         | 139.9        | GGGG                               |                     |                      | 143                   | 33                   |
| 10048E 3844N                            | 2636-03063        | 00000/0000                   | 2-20034/1096                | 10/19/76         | 10                  | 8850            | 34.4         | 145.0        | GGG                                |                     |                      | 143                   | 33                   |
| 10043E 2849N                            | 2418-03041        | 00000/0000                   | 2-20021/1651                | 03/15/76         | 50                  | 5820            | 44.1         | 126.3        | GGGG                               |                     |                      | 141                   | 40                   |
| 10043E 2314N                            | 2453-02590        | 00000/0000                   | 2-20023/0418                | 04/19/76         | 60                  | 6308            | 55.2         | 104.4        | GGGG                               |                     |                      | 140                   | 44                   |
| 10041E 2849N                            | 2670-02564        | 00000/0000                   | 2-20036/0814                | 11/22/76         | 50                  | 9334            | 32.3         | 144.4        | FFFG                               |                     |                      | 141                   | 40                   |
| 10040E 2848N                            | 2400-03044        | 00000/0000                   | 2-20021/0690                | 02/26/76         | 50                  | 5569            | 38.4         | 131.7        | GGGG                               |                     |                      | 141                   | 40                   |
| 10039E 0542N                            | 2378-02490        | 00000/0000                   | 2-20020/0898                | 02/04/76         | 80                  | 5262            | 44.2         | 119.7        | FFGG                               |                     |                      | 137                   | 56                   |
| 10038E 3317N                            | 2455-03073        | 00000/0000                   | 2-20024/0224                | 04/21/76         | 60                  | 6336            | 53.7         | 118.6        | GGGG                               |                     |                      | 142                   | 37                   |
| 10036E 3313N                            | 2437-03080        | 00000/0000                   | 2-20022/1195                | 04/03/76         | 90                  | 6085            | 48.4         | 124.8        | GGGG                               |                     |                      | 142                   | 37                   |
| 10036E 2307N                            | 2417-03001        | 00000/0000                   | 2-20021/1598                | 03/14/76         | 0                   | 5806            | 46.1         | 120.8        | GGGG                               |                     |                      | 140                   | 44                   |
| 10035E 6125N                            | 2482-03500        | 00000/0000                   | 2-20025/0777                | 05/18/76         | 20                  | 6713            | 45.7         | 151.4        | GGGG                               |                     |                      | 151                   | 17                   |
| 10035E 5723N                            | 2588-03370        | 00000/0000                   | 2-20032/0439                | 09/01/76         | 50                  | 8191            | 37.2         | 148.2        | GGGG                               |                     |                      | 149                   | 20                   |
| 10035E 3310N                            | 2473-03070        | 00000/0000                   | 2-20024/1852                | 05/09/76         | 100                 | 6587            | 57.5         | 111.3        | GGGG                               |                     |                      | 142                   | 37                   |
| 10035E 1128N                            | 2379-02530        | 00000/0000                   | 2-20020/0979                | 02/05/76         | 20                  | 5276            | 42.0         | 124.5        | FFFG                               |                     |                      | 138                   | 52                   |
| 10034E 5717N                            | 2570-03373        | 00000/0000                   | 2-20030/1291                | 08/14/76         | 90                  | 7940            | 42.7         | 144.5        | FFGG                               |                     |                      | 149                   | 20                   |
| 10034E 2303N                            | 2399-03004        | 00000/0000                   | 2-20021/0656                | 02/25/76         | 0                   | 5555            | 41.0         | 127.3        | GGGG                               |                     |                      | 140                   | 44                   |
| 10033E 3307N                            | 2545-03051        | 00000/0000                   | 2-20029/0042                | 07/20/76         | 50                  | 7591            | 56.9         | 103.2        | GGGG                               |                     |                      | 142                   | 37                   |
| 10033E 3305N                            | 2527-03054        | 00000/0000                   | 2-20028/0529                | 07/02/76         | 90                  | 7340            | 58.6         | 99.8         | GGGG                               |                     |                      | 142                   | 37                   |
| 10032E 3307N                            | 2419-03084        | 00000/0000                   | 2-20022/0141                | 03/16/76         | 20                  | 5834            | 42.4         | 130.1        | FGGG                               |                     |                      | 142                   | 37                   |
| 10031E 3303N                            | 2509-03061        | 00000/0000                   | 2-20026/1598                | 06/14/76         | 70                  | 7089            | 59.5         | 100.2        | GGGG                               |                     |                      | 142                   | 37                   |
| 10030E 3733N                            | 2456-03120        | 00000/0000                   | 2-20024/0340                | 04/22/76         | 20                  | 6350            | 52.4         | 124.2        | GGGG                               |                     |                      | 143                   | 34                   |
| 10030E 3306N                            | 2671-03010        | 00000/0000                   | 2-20036/1161                | 11/23/76         | 0                   | 9348            | 29.0         | 146.7        | GGG                                |                     |                      | 142                   | 37                   |
| 10030E 2253N                            | 2381-03011        | 00000/0000                   | 2-20020/1132                | 02/07/76         | 90                  | 5304            | 36.7         | 132.8        | GGGG                               |                     |                      | 140                   | 44                   |
| 10030E 1709N                            | 2380-02571        | 00000/0000                   | 2-20020/1024                | 02/06/76         | 60                  | 5290            | 39.6         | 128.8        | GGGG                               |                     |                      | 139                   | 48                   |
| 10028E 4147N                            | 2705-03083        | 00000/0000                   | 2-20038/0408                | 12/31/76         | 50                  | 9878            | 18.2         | 148.1        | FFGF                               |                     |                      | 144                   | 31                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FBR NON-US

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FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10028E 4144N                            | 2691-03091        | 00000/0000                   | 2-20037/0732                | 12/13/76         | 0                   | 9627            | 19.1         | 150.2        | FGGG                               |                     |                      | 144                   | 31                   |
| 10028E 3731N                            | 2438-03123        | 00000/0000                   | 2-20022/1231                | 04/04/76         | 0                   | 6099            | 46.8         | 129.5        | GGGG                               |                     |                      | 143                   | 34                   |
| 10028E 3727N                            | 2474-03113        | 00000/0000                   | 2-20024/1898                | 05/10/76         | 80                  | 6601            | 56.6         | 118.0        | GGGG                               |                     |                      | 143                   | 34                   |
| 10027E 3731N                            | 2726-03032        | 00000/0000                   | 2-20039/0032                | 01/17/77         | 0                   | 115             | 22.5         | 143.3        | GGG                                |                     |                      | 143                   | 34                   |
| 10027E 3302N                            | 2401-03091        | 00000/0000                   | 2-20021/0747                | 02/27/76         | 90                  | 5583            | 36.4         | 134.7        | GGFG                               |                     |                      | 142                   | 37                   |
| 10026E 3731N                            | 2708-03040        | 00000/0000                   | 2-20038/0371                | 12/30/76         | 0                   | 9864            | 21.3         | 146.4        | FGGG                               |                     |                      | 143                   | 34                   |
| 10026E 3725N                            | 2546-03093        | 00000/0000                   | 2-20029/0098                | 07/21/76         | 30                  | 7605            | 56.3         | 110.7        | FGGG                               |                     |                      | 143                   | 34                   |
| 10024E 3725N                            | 2420-03130        | 00000/0000                   | 2-20021/1706                | 03/17/76         | 60                  | 5848            | 40.5         | 133.8        | GGGG                               |                     |                      | 143                   | 34                   |
| 10024E 3725N                            | 2672-03053        | 00000/0000                   | 2-20037/0156                | 11/24/76         | 80                  | 9362            | 25.6         | 148.9        | GGGG                               |                     |                      | 143                   | 34                   |
| 10024E 3723N                            | 2528-03101        | 00000/0000                   | 2-20028/0802                | 07/03/76         | 80                  | 7354            | 58.3         | 107.6        | GGGG                               |                     |                      | 143                   | 34                   |
| 10023E 5705N                            | 2534-03383        | 00000/0000                   | 2-20028/0985                | 07/09/76         | 80                  | 7438            | 50.4         | 140.4        | FGFG                               |                     |                      | 149                   | 20                   |
| 10023E 3718N                            | 2510-03104        | 00000/0000                   | 2-20026/1627                | 06/15/76         | 100                 | 7103            | 59.3         | 108.0        | GGGG                               |                     |                      | 143                   | 34                   |
| 10021E 2727N                            | 2436-03040        | 00000/0000                   | 2-20022/1284                | 04/02/76         | 50                  | 6071            | 50.2         | 118.2        | GGGG                               |                     |                      | 141                   | 41                   |
| 10020E 5431N                            | 2569-03323        | 00000/0000                   | 2-20030/1218                | 08/13/76         | 30                  | 7926            | 44.7         | 140.9        | GGGG                               |                     |                      | 148                   | 22                   |
| 10019E 5432N                            | 2587-03320        | 00000/0000                   | 2-20032/0642                | 08/31/76         | 40                  | 8177            | 39.4         | 145.0        | GGGG                               |                     |                      | 148                   | 22                   |
| 10019E 2723N                            | 2418-03043        | 00000/0000                   | 2-20021/1652                | 03/15/76         | 80                  | 5820            | 44.7         | 124.9        | GGGG                               |                     |                      | 141                   | 41                   |
| 10016E 5423N                            | 2551-03331        | 00000/0000                   | 2-20030/0049                | 07/26/76         | 70                  | 7675            | 49.1         | 137.6        | GGGG                               |                     |                      | 148                   | 22                   |
| 10016E 2722N                            | 2400-03051        | 00000/0000                   | 2-20021/0691                | 02/26/76         | 60                  | 5569            | 39.1         | 130.6        | GGGG                               |                     |                      | 141                   | 41                   |
| 10015E 5420N                            | 2533-03334        | 00000/0000                   | 2-20028/0940                | 07/08/76         | 20                  | 7424            | 52.0         | 136.2        | GGGG                               |                     |                      | 148                   | 22                   |
| 10015E 1001N                            | 2379-02533        | 00000/0000                   | 2-20020/0980                | 02/05/76         | 30                  | 5276            | 42.7         | 123.2        | FGFF                               |                     |                      | 138                   | 53                   |
| 10014E 2710N                            | 2382-03054        | 00000/0000                   | 2-20020/0925                | 02/08/76         | 20                  | 5318            | 34.5         | 135.4        | GGGG                               |                     |                      | 141                   | 41                   |
| 10013E 5415N                            | 2515-03341        | 00000/0000                   | 2-20027/0072                | 06/20/76         | 20                  | 7173            | 53.4         | 136.7        | GGGG                               |                     |                      | 148                   | 22                   |
| 10012E 2136N                            | 2399-03010        | 00000/0000                   | 2-20021/0657                | 02/25/76         | 0                   | 5555            | 41.7         | 126.0        | GGGG                               |                     |                      | 140                   | 48                   |
| 10010E 1542N                            | 2380-02573        | 00000/0000                   | 2-20020/1025                | 02/06/76         | 90                  | 5290            | 40.3         | 127.7        | GGGG                               |                     |                      | 139                   | 49                   |
| 10008E 5641N                            | 2552-03381        | 00000/0000                   | 2-20030/0255                | 07/27/76         | 30                  | 7689            | 47.5         | 141.0        | GGGG                               |                     |                      | 149                   | 20                   |
| 10004E 3141N                            | 2671-03013        | 00000/0000                   | 2-20036/1162                | 11/23/76         | 50                  | 9348            | 30.1         | 146.0        | FGG                                |                     |                      | 142                   | 38                   |
| 10003E 3607N                            | 2456-03122        | 00000/0000                   | 2-20024/0341                | 04/22/76         | 10                  | 6350            | 53.0         | 122.3        | GGFG                               |                     |                      | 143                   | 35                   |
| 10001E 4023N                            | 2439-03172        | 00000/0000                   | 2-20022/1327                | 04/05/76         | 30                  | 6113            | 45.7         | 132.4        | GFGG                               |                     |                      | 144                   | 32                   |
| 10001E 4022N                            | 2457-03165        | 00000/0000                   | 2-20024/0414                | 04/23/76         | 0                   | 6364            | 51.5         | 127.8        | GGGG                               |                     |                      | 144                   | 32                   |
| 10001E 3605N                            | 2438-03125        | 00000/0000                   | 2-20022/1232                | 04/04/76         | 20                  | 6099            | 47.5         | 127.9        | GGGG                               |                     |                      | 143                   | 35                   |
| 10000E 4020N                            | 2475-03162        | 00000/0000                   | 2-20025/0251                | 05/11/76         | 0                   | 6615            | 55.9         | 122.3        | FGGG                               |                     |                      | 144                   | 32                   |
| 10000E 3605N                            | 2726-03034        | 00000/0000                   | 2-20039/0033                | 01/17/77         | 0                   | 115             | 23.5         | 142.7        | FGGG                               |                     |                      | 143                   | 35                   |
| 10000E 3601N                            | 2474-03115        | 00000/0000                   | 2-20024/1899                | 05/10/76         | 80                  | 6601            | 57.0         | 115.6        | GGGG                               |                     |                      | 143                   | 35                   |
| 10000E 0840N                            | 2523-02495        | 00000/0000                   | 2-20028/0243                | 06/28/76         | 50                  | 7284            | 50.6         | 63.6         | GGGG                               |                     |                      | 138                   | 54                   |
| 09958E 4022N                            | 2727-03081        | 00000/0000                   | 2-20038/1414                | 01/18/77         | 30                  | 129             | 20.7         | 144.5        | FGGG                               |                     |                      | 144                   | 32                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL |     | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------------------------|--------------|------------------|---------------------|-----------------|--------------|--------------|------------|-----|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                                     | MSS          |                  |                     |                 |              |              | RBV        | MSS |                     |                      |                       |                      |
| 09958E                      | 4019N | 2691-03094        | 00000/0000                              | 2-20037/0733 | 12/13/76         | 0                   | 9627            | 20.2         | 149.6        |            |     |                     |                      | 144                   | 32                   |
| 09958E                      | 3605N | 2708-03042        | 00000/0000                              | 2-20038/0372 | 12/30/76         | 10                  | 9864            | 22.4         | 145.8        | FGGG       |     |                     |                      | 143                   | 35                   |
| 09958E                      | 3600N | 2546-03100        | 00000/0000                              | 2-20029/0099 | 07/21/76         | 20                  | 7605            | 56.5         | 108.3        | GGGG       |     |                     |                      | 143                   | 35                   |
| 09958E                      | 3557N | 2528-03103        | 00000/0000                              | 2-20028/0803 | 07/03/76         | 90                  | 7354            | 58.4         | 105.0        | GGGG       |     |                     |                      | 143                   | 35                   |
| 09958E                      | 2600N | 2436-03042        | 00000/0000                              | 2-20022/1285 | 04/02/76         | 30                  | 6071            | 50.7         | 116.4        | FGGG       |     |                     |                      | 141                   | 42                   |
| 09957E                      | 4017N | 2421-03180        | 00000/0000                              | 2-20022/0218 | 03/18/76         | 10                  | 5862            | 39.2         | 136.1        | GGGG       |     |                     |                      | 144                   | 32                   |
| 09957E                      | 3600N | 2672-03055        | 00000/0000                              | 2-20037/0137 | 11/24/76         | 30                  | 9362            | 26.7         | 148.2        | GGGG       |     |                     |                      | 143                   | 35                   |
| 09957E                      | 3559N | 2420-03133        | 00000/0000                              | 2-20021/1707 | 03/17/76         | 90                  | 5848            | 41.2         | 132.5        | GGGG       |     |                     |                      | 143                   | 35                   |
| 09957E                      | 2604N | 2706-02560        | 00000/0000                              | 2-20038/0111 | 12/28/76         | 0                   | 9836            | 29.4         | 141.3        | GGGG       |     |                     |                      | 141                   | 42                   |
| 09956E                      | 3553N | 2510-03110        | 00000/0000                              | 2-20026/1628 | 06/15/76         | 90                  | 7103            | 59.4         | 105.3        | GGGG       |     |                     |                      | 143                   | 35                   |
| 09956E                      | 2602N | 2724-02551        | 00000/0000                              | 2-20038/1456 | 01/15/77         | 10                  | 87              | 29.8         | 138.0        | GGGG       |     |                     |                      | 141                   | 42                   |
| 09956E                      | 2601N | 2688-02564        | 00000/0000                              | 2-20037/0581 | 12/10/76         | 20                  | 9585            | 31.0         | 143.1        | GGGG       |     |                     |                      | 141                   | 42                   |
| 09956E                      | 2557N | 2418-03050        | 00000/0000                              | 2-20021/1653 | 03/15/76         | 30                  | 5820            | 45.3         | 123.4        | GGGG       |     |                     |                      | 141                   | 42                   |
| 09955E                      | 4013N | 2673-03102        | 00000/0000                              | 2-20036/1245 | 11/25/76         | 0                   | 9376            | 23.2         | 150.3        | FGGG       |     |                     |                      | 144                   | 32                   |
| 09955E                      | 4012N | 2655-03110        | 00000/0000                              | 2-20036/0045 | 11/07/76         | 10                  | 9125            | 27.7         | 149.2        | FFGG       |     |                     |                      | 144                   | 32                   |
| 09954E                      | 2557N | 2670-02573        | 00000/0000                              | 2-20036/1138 | 11/22/76         | 40                  | 9334            | 34.3         | 142.7        | FGGG       |     |                     |                      | 141                   | 42                   |
| 09954E                      | 0833N | 2379-02535        | 00000/0000                              | 2-20020/0981 | 02/05/76         | 50                  | 5276            | 43.2         | 122.0        | GGFG       |     |                     |                      | 138                   | 54                   |
| 09953E                      | 4015N | 2619-03122        | 00000/0000                              | 2-20034/0218 | 10/02/76         | 20                  | 8623            | 38.6         | 141.4        | GGGG       |     |                     |                      | 144                   | 32                   |
| 09953E                      | 2557N | 2400-03053        | 00000/0000                              | 2-20021/0692 | 02/26/76         | 50                  | 5569            | 39.9         | 129.4        | GGGG       |     |                     |                      | 141                   | 42                   |
| 09953E                      | 2555N | 2652-02581        | 00000/0000                              | 2-20035/0553 | 11/04/76         | 80                  | 9083            | 38.6         | 140.0        | GGGG       |     |                     |                      | 141                   | 42                   |
| 09951E                      | 4010N | 2637-03115        | 00000/0000                              | 2-20034/1104 | 10/20/76         | 0                   | 8874            | 33.1         | 146.2        | GGGG       |     |                     |                      | 144                   | 32                   |
| 09951E                      | 2545N | 2382-03060        | 00000/0000                              | 2-20020/0926 | 02/08/76         | 60                  | 5318            | 35.3         | 134.5        | GGGG       |     |                     |                      | 141                   | 42                   |
| 09951E                      | 2009N | 2399-03013        | 00000/0000                              | 2-20021/0658 | 02/25/76         | 0                   | 5555            | 42.3         | 124.8        | FGGG       |     |                     |                      | 140                   | 46                   |
| 09949E                      | 1417N | 2350-02550        | 00000/0000                              | 2-20020/1026 | 02/06/76         | 70                  | 5290            | 40.9         | 126.5        | FGGG       |     |                     |                      | 139                   | 50                   |
| 09944E                      | 5600N | 2588-03372        | 00000/0000                              | 2-20032/0440 | 09/01/76         | 30                  | 8191            | 38.1         | 146.8        | GGGG       |     |                     |                      | 149                   | 21                   |
| 09943E                      | 5554N | 2570-03375        | 00000/0000                              | 2-20030/1232 | 08/14/76         | 90                  | 7940            | 43.6         | 142.8        | FGGG       |     |                     |                      | 149                   | 21                   |
| 09942E                      | 0718N | 2433-02524        | 00000/0000                              | 2-20022/0996 | 03/30/76         | 10                  | 6029            | 51.8         | 93.2         | GGGG       |     |                     |                      | 138                   | 55                   |
| 09940E                      | 0713N | 2523-02502        | 00000/0000                              | 2-20028/0244 | 06/28/76         | 70                  | 7284            | 49.7         | 62.2         | GGGG       |     |                     |                      | 138                   | 55                   |
| 09939E                      | 3015N | 2671-03015        | 00000/0000                              | 2-20036/1163 | 11/23/76         | 50                  | 9348            | 31.1         | 145.2        | GGGG       |     |                     |                      | 142                   | 39                   |
| 09936E                      | 4315N | 2710-03134        | 00000/0000                              | 2-20038/0420 | 01/01/77         | 40                  | 9892            | 17.2         | 148.6        | GGGF       |     |                     |                      | 143                   | 30                   |
| 09936E                      | 3441N | 2456-03125        | 00000/0000                              | 2-20024/0342 | 04/22/76         | 10                  | 6350            | 53.5         | 120.2        | GGGG       |     |                     |                      | 143                   | 36                   |
| 09935E                      | 5542N | 2516-03393        | 00000/0000                              | 2-20027/0122 | 06/21/76         | 10                  | 7187            | 52.6         | 138.9        | FGG        |     |                     |                      | 149                   | 21                   |
| 09935E                      | 3438N | 2438-03132        | 00000/0000                              | 2-20022/1233 | 04/04/76         | 60                  | 6099            | 48.1         | 126.2        | GGGG       |     |                     |                      | 143                   | 36                   |
| 09935E                      | 2433N | 2436-03045        | 00000/0000                              | 2-20022/1286 | 04/02/76         | 30                  | 6071            | 51.1         | 114.5        | FFGG       |     |                     |                      | 141                   | 43                   |
| 09934E                      | 4312N | 2692-03143        | 00000/0000                              | 2-20037/0777 | 12/14/76         | 80                  | 9641            | 17.9         | 150.7        | FGGG       |     |                     |                      | 143                   | 30                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RRLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRAIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09934E 3435N                            | 2474-03122        | 00000/0000                   | 2-20024/1900                | 05/10/76         | 70                  | 6601            | 57.3         | 113.2        | GFGG                               |                     |                      | 143                   | 36                   |
| 09933E 6002N                            | 2482-03503        | 00000/0000                   | 2-20025/0778                | 05/18/76         | 40                  | 6713            | 46.7         | 149.4        | GFGG                               |                     |                      | 151                   | 18                   |
| 09933E 5541N                            | 2534-03390        | 00000/0000                   | 2-20028/0986                | 07/09/76         | 70                  | 7438            | 51.2         | 138.3        | FGGG                               |                     |                      | 149                   | 21                   |
| 09933E 3439N                            | 2726-03041        | 00000/0000                   | 2-20039/0034                | 01/17/77         | 0                   | 115             | 24.4         | 142.0        | GGGG                               |                     |                      | 143                   | 36                   |
| 09933E 2430N                            | 2418-03052        | 00000/0000                   | 2-20021/1654                | 03/15/76         | 30                  | 5820            | 45.9         | 121.9        | GGGG                               |                     |                      | 141                   | 43                   |
| 09933E 1853N                            | 2705-02522        | 00000/0000                   | 2-20038/0106                | 12/27/76         | 10                  | 9822            | 34.1         | 137.5        | GGGG                               |                     |                      | 140                   | 47                   |
| 09932E 4306N                            | 2674-03151        | 00000/0000                   | 2-20036/1522                | 11/26/76         | 20                  | 9390            | 20.8         | 151.6        | GGFG                               |                     |                      | 105                   | 30                   |
| 09932E 3857N                            | 2439-03175        | 00000/0000                   | 2-20022/1328                | 04/05/76         | 10                  | 6113            | 46.5         | 130.8        | GGGG                               |                     |                      | 144                   | 33                   |
| 09932E 3857N                            | 2457-03171        | 00000/0000                   | 2-20024/0415                | 04/23/76         | 0                   | 6364            | 52.1         | 125.8        | GGGG                               |                     |                      | 144                   | 33                   |
| 09932E 3439N                            | 2708-03045        | 00000/0000                   | 2-20038/0373                | 12/30/76         | 30                  | 9864            | 23.4         | 145.1        | FFGG                               |                     |                      | 143                   | 36                   |
| 09932E 3434N                            | 2546-03102        | 00000/0000                   | 2-20029/0100                | 07/21/76         | 40                  | 7605            | 56.6         | 105.9        | GGGG                               |                     |                      | 143                   | 36                   |
| 09932E 3432N                            | 2528-03110        | 00000/0000                   | 2-20028/0804                | 07/03/76         | 90                  | 7354            | 58.5         | 102.5        | GGGG                               |                     |                      | 143                   | 36                   |
| 09931E 3854N                            | 2475-03164        | 00000/0000                   | 2-20025/0252                | 05/11/76         | 20                  | 6615            | 56.3         | 120.0        | GGGG                               |                     |                      | 144                   | 33                   |
| 09930E 3856N                            | 2727-03083        | 00000/0000                   | 2-20038/1415                | 01/18/77         | 50                  | 129             | 21.6         | 143.8        | GGGG                               |                     |                      | 144                   | 33                   |
| 09930E 3434N                            | 2672-03062        | 00000/0000                   | 2-20037/0158                | 11/24/76         | 10                  | 9362            | 27.7         | 147.5        | GGGG                               |                     |                      | 143                   | 36                   |
| 09930E 3433N                            | 2420-03135        | 00000/0000                   | 2-20021/1708                | 03/17/76         | 70                  | 5848            | 42.0         | 131.2        | FGGG                               |                     |                      | 143                   | 36                   |
| 09930E 2430N                            | 2400-03060        | 00000/0000                   | 2-20021/0693                | 02/26/76         | 50                  | 5569            | 40.6         | 128.2        | FGGG                               |                     |                      | 141                   | 43                   |
| 09929E 3853N                            | 2691-03100        | 00000/0000                   | 2-20037/0734                | 12/13/76         | 0                   | 9627            | 21.3         | 149.0        | FGGG                               |                     |                      | 144                   | 33                   |
| 09929E 3427N                            | 2510-03113        | 00000/0000                   | 2-20026/1629                | 06/15/76         | 90                  | 7103            | 59.5         | 102.7        | GGGG                               |                     |                      | 143                   | 36                   |
| 09929E 1843N                            | 2399-03015        | 00000/0000                   | 2-20021/0659                | 02/25/76         | 10                  | 5555            | 42.9         | 123.5        | GGGG                               |                     |                      | 140                   | 47                   |
| 09928E 3851N                            | 2421-03182        | 00000/0000                   | 2-20022/0219                | 03/18/76         | 0                   | 5862            | 40.0         | 134.8        | GGGG                               |                     |                      | 144                   | 33                   |
| 09928E 3845N                            | 2511-03155        | 00000/0000                   | 2-20026/1552                | 06/16/76         | 30                  | 7117            | 59.1         | 110.5        | GGGG                               |                     |                      | 144                   | 33                   |
| 09928E 2419N                            | 2382-03063        | 00000/0000                   | 2-20020/0927                | 02/08/76         | 80                  | 5318            | 36.1         | 133.5        | GFGF                               |                     |                      | 141                   | 43                   |
| 09928E 1251N                            | 2380-02582        | 00000/0000                   | 2-20020/1027                | 02/06/76         | 30                  | 5290            | 41.6         | 125.3        | FGGG                               |                     |                      | 139                   | 51                   |
| 09927E 3849N                            | 2529-03152        | 00000/0000                   | 2-20028/0344                | 07/04/76         | 20                  | 7368            | 58.0         | 110.2        | FGGG                               |                     |                      | 144                   | 33                   |
| 09926E 3849N                            | 2673-03105        | 00000/0000                   | 2-20036/1246                | 11/25/76         | 0                   | 9376            | 24.3         | 149.6        | GGGG                               |                     |                      | 144                   | 33                   |
| 09926E 3848N                            | 2655-03113        | 00000/0000                   | 2-20036/0046                | 11/07/76         | 0                   | 9125            | 28.8         | 148.4        | GGGG                               |                     |                      | 144                   | 33                   |
| 09924E 3850N                            | 2619-03125        | 00000/0000                   | 2-20034/0219                | 10/02/76         | 10                  | 8623            | 39.5         | 140.2        | GGGG                               |                     |                      | 144                   | 33                   |
| 09923E 3845N                            | 2637-03121        | 00000/0000                   | 2-20034/1105                | 10/20/76         | 0                   | 8874            | 34.1         | 145.2        | GGGG                               |                     |                      | 144                   | 33                   |
| 09922E 0552N                            | 2433-02531        | 00000/0000                   | 2-20022/0997                | 03/30/76         | 20                  | 6029            | 51.6         | 91.3         | FGGF                               |                     |                      | 138                   | 56                   |
| 09919E 5517N                            | 2552-03383        | 00000/0000                   | 2-20030/0256                | 07/27/76         | 90                  | 7689            | 48.3         | 139.0        | GGGG                               |                     |                      | 149                   | 21                   |
| 09919E 0546N                            | 2523-02504        | 00000/0000                   | 2-20028/0245                | 06/28/76         | 60                  | 7284            | 48.8         | 60.8         | GGGG                               |                     |                      | 138                   | 56                   |
| 09915E 2848N                            | 2671-03022        | 00000/0000                   | 2-20036/1164                | 11/23/76         | 60                  | 9348            | 32.1         | 144.4        | FGGG                               |                     |                      | 142                   | 40                   |
| 09914E 8005N                            | 2517-07032        | 00000/0000                   | 2-20027/0351                | 06/22/76         | 90                  | 7203            | 32.4         | 207.0        | GGGG                               |                     |                      | 186                   | 1                    |
| 09912E 2307N                            | 2436-03051        | 00000/0000                   | 2-20022/1287                | 04/02/76         | 10                  | 6071            | 51.4         | 112.7        | GGGG                               |                     |                      | 141                   | 44                   |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN REEL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 09911E                      | 5722N | 2463-03460        | 00000/0000            | 2-20024/0957         | 04/29/76         | 90                  | 6448            | 43.6         | 147.8        | GFGG                  |                     |                      | 150                   | 20                   |
| 09911E                      | 1726N | 2705-02524        | 00000/0000            | 2-20038/0107         | 12/27/76         | 40                  | 9822            | 35.0         | 136.6        | GGGG                  |                     |                      | 140                   | 48                   |
| 09910E                      | 2304N | 2418-03055        | 00000/0000            | 2-20021/1655         | 03/15/76         | 10                  | 5820            | 46.4         | 120.4        | GGGG                  |                     |                      | 141                   | 44                   |
| 09908E                      | 2304N | 2400-03062        | 00000/0000            | 2-20021/0694         | 02/26/76         | 10                  | 5569            | 41.2         | 127.0        | FGFG                  |                     |                      | 141                   | 44                   |
| 09908E                      | 1718N | 2399-03022        | 00000/0000            | 2-20021/0660         | 02/25/76         | 10                  | 5555            | 43.5         | 122.1        | GGGG                  |                     |                      | 140                   | 48                   |
| 09908E                      | 1124N | 2380-02585        | 00000/0000            | 2-20020/1028         | 02/06/76         | 30                  | 5290            | 42.2         | 124.1        | GGGG                  |                     |                      | 139                   | 52                   |
| 09907E                      | 5721N | 2589-03424        | 00000/0000            | 2-20032/0492         | 09/02/76         | 60                  | 8205            | 36.9         | 148.4        | GGGG                  |                     |                      | 150                   | 20                   |
| 09907E                      | 5718N | 2571-03431        | 00000/0000            | 2-20030/1295         | 08/15/76         | 60                  | 7954            | 42.4         | 144.7        | FFFF                  |                     |                      | 150                   | 20                   |
| 09907E                      | 3313N | 2726-03043        | 00000/0000            | 2-20039/0035         | 01/17/77         | 10                  | 115             | 25.4         | 141.3        | GGGG                  |                     |                      | 143                   | 37                   |
| 09906E                      | 3313N | 2708-03051        | 00000/0000            | 2-20038/0374         | 12/30/76         | 70                  | 9864            | 24.4         | 144.5        | FGGG                  |                     |                      | 143                   | 37                   |
| 09905E                      | 2253N | 2382-03065        | 00000/0000            | 2-20020/0928         | 02/08/76         | 80                  | 5318            | 36.9         | 132.5        | GGGF                  |                     |                      | 141                   | 44                   |
| 09904E                      | 4149N | 2710-03141        | 00000/0000            | 2-20038/0421         | 01/01/77         | 30                  | 9892            | 18.2         | 148.0        | FGGG                  |                     |                      | 145                   | 31                   |
| 09904E                      | 3732N | 2439-03141        | 00000/0000            | 2-20022/1329         | 04/05/76         | 0                   | 6113            | 47.2         | 129.2        | GGGG                  |                     |                      | 144                   | 34                   |
| 09904E                      | 3308N | 2672-03064        | 00000/0000            | 2-20037/0159         | 11/24/76         | 0                   | 9362            | 28.8         | 146.8        | GGFG                  |                     |                      | 143                   | 37                   |
| 09903E                      | 4147N | 2728-03133        | 00000/0000            | 2-20039/0103         | 01/19/77         | 10                  | 143             | 19.8         | 144.9        | FGFF                  |                     |                      | 145                   | 31                   |
| 09903E                      | 4146N | 2692-03145        | 00000/0000            | 2-20037/0778         | 12/14/76         | 90                  | 9641            | 19.0         | 150.1        | GGGG                  |                     |                      | 145                   | 31                   |
| 09903E                      | 3731N | 2457-03174        | 00000/0000            | 2-20024/0416         | 04/23/76         | 0                   | 6364            | 52.7         | 123.9        | GGGG                  |                     |                      | 144                   | 34                   |
| 09903E                      | 3728N | 2475-03171        | 00000/0000            | 2-20025/0253         | 05/11/76         | 30                  | 6615            | 56.8         | 117.7        | GGGG                  |                     |                      | 144                   | 34                   |
| 09902E                      | 5711N | 2553-03434        | 00000/0000            | 2-20030/0344         | 07/28/76         | 60                  | 7703            | 47.0         | 141.8        | GGGF                  |                     |                      | 150                   | 20                   |
| 09901E                      | 3731N | 2727-03090        | 00000/0000            | 2-20038/1416         | 01/18/77         | 10                  | 129             | 22.6         | 143.1        | FGGG                  |                     |                      | 144                   | 34                   |
| 09900E                      | 4141N | 2674-03154        | 00000/0000            | 2-20036/1523         | 11/26/76         | 10                  | 9390            | 21.9         | 151.0        | GGGG                  |                     |                      | 145                   | 31                   |
| 09900E                      | 3728N | 2691-03103        | 00000/0000            | 2-20037/0735         | 12/13/76         | 0                   | 9627            | 22.4         | 148.4        | GGGG                  |                     |                      | 144                   | 34                   |
| 09900E                      | 3720N | 2511-03162        | 00000/0000            | 2-20026/1553         | 06/16/76         | 60                  | 7117            | 59.3         | 107.9        | GGGG                  |                     |                      | 144                   | 34                   |
| 09859E                      | 5707N | 2535-03441        | 00000/0000            | 2-20028/1054         | 07/10/76         | 70                  | 7452            | 50.2         | 140.5        | GGGG                  |                     |                      | 150                   | 20                   |
| 09859E                      | 5704N | 2517-03444        | 00000/0000            | 2-20027/0061         | 06/22/76         | 10                  | 7201            | 51.8         | 140.9        | GGGG                  |                     |                      | 150                   | 20                   |
| 09859E                      | 5433N | 2444-03414        | 00000/0000            | 2-20022/1894         | 04/10/76         | 10                  | 6183            | 39.0         | 146.3        | GGGG                  |                     |                      | 149                   | 22                   |
| 09859E                      | 3726N | 2421-03185        | 00000/0000            | 2-20022/0220         | 03/18/76         | 10                  | 5862            | 40.8         | 133.6        | GGGG                  |                     |                      | 144                   | 34                   |
| 09859E                      | 3724N | 2529-03155        | 00000/0000            | 2-20028/0345         | 07/04/76         | 40                  | 7368            | 58.2         | 107.7        | GGGG                  |                     |                      | 144                   | 34                   |
| 09859E                      | 0419N | 2523-02511        | 00000/0000            | 2-20028/0246         | 06/28/76         | 60                  | 7284            | 47.9         | 59.5         | GGGG                  |                     |                      | 138                   | 57                   |
| 09858E                      | 5435N | 2462-03411        | 00000/0000            | 2-20024/0712         | 04/28/76         | 0                   | 6434            | 45.1         | 144.6        | GGGG                  |                     |                      | 149                   | 22                   |
| 09858E                      | 3724N | 2673-03111        | 00000/0000            | 2-20036/1247         | 11/25/76         | 0                   | 9376            | 25.4         | 148.9        | FGGG                  |                     |                      | 144                   | 34                   |
| 09856E                      | 5436N | 2588-03375        | 00000/0000            | 2-20032/0441         | 09/01/76         | 80                  | 8191            | 39.1         | 145.3        | GGGG                  |                     |                      | 149                   | 22                   |
| 09855E                      | 5426N | 2480-03404        | 00000/0000            | 2-20025/0616         | 05/16/76         | 80                  | 6685            | 49.9         | 141.9        | GGGG                  |                     |                      | 149                   | 22                   |
| 09852E                      | 2721N | 2671-03024        | 00000/0000            | 2-20036/1165         | 11/23/76         | 90                  | 9348            | 33.1         | 143.6        | GGGG                  |                     |                      | 142                   | 41                   |
| 09850E                      | 1559N | 2705-02531        | 00000/0000            | 2-20038/0108         | 12/27/76         | 40                  | 9822            | 35.9         | 135.7        | GGGG                  |                     |                      | 140                   | 49                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RLI | DATE<br>ACQUIRED | CLBD<br>COVER | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS | MSS<br>DATA | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|---------------------|------------------|---------------|-----------------|--------------|--------------|-----------------------|-------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                   | MSS                 |                  | %             |                 |              |              | 123 45678             | MODE        |                      |                       |                      |
| 09849E                      | 5426N | 2606-03372        | 00000/0000            | 2-20034/0297        | 09/19/76         | 10            | 8442            | 33.2         | 149.5        | GG G                  |             |                      | 149                   | 22                   |
| 09849E                      | 5421N | 2498-03402        | 00000/0000            | 2-20026/0635        | 06/03/76         | 0             | 6936            | 52.7         | 139.0        | GGGG                  |             |                      | 149                   | 22                   |
| 09848E                      | 5418N | 2516-03395        | 00000/0000            | 2-20027/0123        | 06/21/76         | 10            | 7187            | 53.3         | 136.7        | GF GG                 |             |                      | 149                   | 22                   |
| 09847E                      | 1550N | 2399-03024        | 00000/0000            | 2-20021/0661        | 02/25/76         | 10            | 5555            | 44.0         | 120.8        | GGGG                  |             |                      | 140                   | 49                   |
| 09847E                      | 0958N | 2380-02591        | 00000/0000            | 2-20020/1029        | 02/06/76         | 40            | 5290            | 42.8         | 122.8        | GGGG                  |             |                      | 139                   | 53                   |
| 09846E                      | 5418N | 2534-03392        | 00000/0000            | 2-20028/0987        | 07/09/76         | 70            | 7438            | 51.9         | 136.2        | FFFF                  |             |                      | 149                   | 22                   |
| 09846E                      | 2138N | 2400-03065        | 00000/0000            | 2-20021/0695        | 02/26/76         | 10            | 5569            | 41.9         | 125.7        | GGGG                  |             |                      | 141                   | 45                   |
| 09842E                      | 5846N | 2446-03515        | 00000/0000            | 2-20023/0042        | 04/12/76         | 20            | 6211            | 36.8         | 150.6        | GGGG                  |             |                      | 151                   | 19                   |
| 09841E                      | 5844N | 2464-03512        | 00000/0000            | 2-20024/0755        | 04/30/76         | 80            | 6462            | 42.9         | 149.4        | GGGG                  |             |                      | 151                   | 19                   |
| 09841E                      | 3147N | 2708-03054        | 00000/0000            | 2-20038/0375        | 12/30/76         | 60            | 9864            | 25.4         | 143.8        | GGGG                  |             |                      | 143                   | 38                   |
| 09841E                      | 3146N | 2726-03050        | 00000/0000            | 2-20039/0036        | 01/17/77         | 10            | 115             | 26.3         | 140.6        | GGGG                  |             |                      | 143                   | 38                   |
| 09840E                      | 4440N | 2711-03190        | 00000/0000            | 2-20038/0521        | 01/02/77         | 10            | 9906            | 16.2         | 149.0        | F                     |             |                      | 146                   | 29                   |
| 09840E                      | 4436N | 2693-03194        | 00000/0000            | 2-20037/0881        | 12/15/76         | 20            | 9655            | 16.7         | 151.2        | GGFG                  |             |                      | 146                   | 29                   |
| 09839E                      | 3142N | 2672-03071        | 00000/0000            | 2-20037/0160        | 11/24/76         | 10            | 9362            | 29.8         | 146.1        | GGGG                  |             |                      | 143                   | 38                   |
| 09838E                      | 0252N | 2523-02513        | 00000/0000            | 2-20028/0247        | 06/28/76         | 70            | 7284            | 47.0         | 58.3         | GGGG                  |             |                      | 138                   | 58                   |
| 09837E                      | 5846N | 2590-03480        | 00000/0000            | 2-20032/0551        | 09/03/76         | 40            | 8219            | 35.5         | 150.2        | GGG                   |             |                      | 151                   | 19                   |
| 09837E                      | 4024N | 2458-03223        | 00000/0000            | 2-20024/0388        | 04/24/76         | 70            | 6378            | 51.8         | 127.5        | GGGG                  |             |                      | 145                   | 32                   |
| 09836E                      | 4430N | 2675-03203        | 00000/0000            | 2-20036/1289        | 11/27/76         | 30            | 9404            | 19.5         | 152.2        | GGGG                  |             |                      | 146                   | 29                   |
| 09836E                      | 4024N | 2440-03230        | 00000/0000            | 2-20027/1368        | 04/06/76         | 90            | 6127            | 46.1         | 132.1        | GGFG                  |             |                      | 145                   | 32                   |
| 09836E                      | 3606N | 2439-03184        | 00000/0000            | 2-20022/1330        | 04/05/76         | 10            | 6113            | 47.8         | 127.6        | GGGG                  |             |                      | 144                   | 35                   |
| 09836E                      | 3605N | 2457-03187        | 00000/0000            | 2-20024/0417        | 04/23/76         | 20            | 6364            | 53.3         | 121.9        | GGGG                  |             |                      | 144                   | 35                   |
| 09836E                      | 3602N | 2475-03173        | 00000/0000            | 2-20025/0254        | 05/11/76         | 10            | 6615            | 57.2         | 115.3        | GGGG                  |             |                      | 144                   | 35                   |
| 09835E                      | 5838N | 2482-03505        | 00000/0000            | 2-20025/0779        | 05/18/76         | 50            | 6713            | 47.6         | 147.5        | GF GG                 |             |                      | 151                   | 19                   |
| 09834E                      | 4024N | 2710-03143        | 00000/0000            | 2-20036/0422        | 01/01/77         | 40            | 9892            | 19.3         | 147.3        | GF GG                 |             |                      | 145                   | 32                   |
| 09834E                      | 4019N | 2476-03220        | 00000/0000            | 2-20024/1646        | 05/12/76         | 0             | 6629            | 56.1         | 122.0        | GGG                   |             |                      | 145                   | 32                   |
| 09834E                      | 3605N | 2727-03092        | 00000/0000            | 2-20038/1417        | 01/18/77         | 0             | 129             | 23.6         | 142.5        | GGGG                  |             |                      | 144                   | 35                   |
| 09833E                      | 4021N | 2692-03152        | 00000/0000            | 2-20037/0779        | 12/14/76         | 70            | 9641            | 20.1         | 149.5        | FGGG                  |             |                      | 145                   | 32                   |
| 09833E                      | 3602N | 2691-03105        | 00000/0000            | 2-20037/0736        | 12/13/76         | 0             | 9627            | 23.4         | 147.7        | GGGG                  |             |                      | 144                   | 35                   |
| 09833E                      | 3559N | 2529-03161        | 00000/0000            | 2-20028/0346        | 07/04/76         | 70            | 7368            | 58.3         | 105.2        | GGGG                  |             |                      | 144                   | 35                   |
| 09832E                      | 4022N | 2728-03135        | 00000/0000            | 2-20039/0104        | 01/19/77         | 10            | 143             | 20.8         | 144.3        | FGFG                  |             |                      | 145                   | 32                   |
| 09832E                      | 3600N | 2421-03191        | 00000/0000            | 2-20027/0221        | 03/18/76         | 30            | 5862            | 41.6         | 132.3        | GGGG                  |             |                      | 144                   | 35                   |
| 09832E                      | 3555N | 2511-03164        | 00000/0000            | 2-20026/1554        | 06/16/76         | 90            | 7117            | 59.4         | 105.2        | GGGG                  |             |                      | 144                   | 35                   |
| 09831E                      | 5837N | 2608-03473        | 00000/0000            | 2-20032/1562        | 09/21/76         | 10            | 8470            | 29.4         | 153.6        | GGGG                  |             |                      | 151                   | 19                   |
| 09831E                      | 4015N | 2422-03234        | 00000/0000            | 2-20027/0251        | 03/19/76         | 20            | 5876            | 39.6         | 135.9        | GGFG                  |             |                      | 145                   | 32                   |
| 09831E                      | 3559N | 2673-03114        | 00000/0000            | 2-20036/1248        | 11/25/76         | 0             | 9376            | 26.5         | 148.2        | FFFF                  |             |                      | 144                   | 35                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0224

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PAYH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09830E                      | 4016N | 2674-0316n        | 00000/0000 2-20036/1524                            | 11/26/76         | 30                  | 9390            | 23.0         | 150.3        |                                    |                     |                      |                       |                      |
| 09829E                      | 5836N | 2554-0349n        | 00000/0000 2-20030/0323                            | 07/29/76         | 10                  | 7717            | 45.9         | 143.8        | GGGG                               |                     |                      | 145                   | 32                   |
| 09829E                      | 4012N | 2656-03165        | 00000/0000 2-20036/0638                            | 11/08/76         | 90                  | 9139            | 27.4         | 149.3        | F                                  |                     |                      | 151                   | 19                   |
| 09829E                      | 2555N | 2671-03031        | 00000/0000 2-20036/1166                            | 11/23/76         | 90                  | 9348            | 34.1         | 142.8        | GGGG                               |                     |                      | 145                   | 32                   |
| 09828E                      | 5832N | 2500-03503        | 00000/0000 2-20026/0801                            | 06/05/76         | 90                  | 6964            | 50.3         | 145.1        | FGFG                               |                     |                      | 142                   | 42                   |
| 09827E                      | 4015N | 2620-03180        | 00000/0000 2-20034/0202                            | 10/03/76         | 10                  | 8637            | 38.3         | 141.7        | GGGG                               |                     |                      | 151                   | 19                   |
| 09827E                      | 0832V | 2380-02594        | 00000/0000 2-20020/1030                            | 02/06/76         | 50                  | 5290            | 43.4         | 121.5        | GGGG                               |                     |                      | 145                   | 32                   |
| 09826E                      | 4010V | 2638-03173        | 00000/0000 2-20034/0924                            | 10/21/76         | 30                  | 8888            | 32.8         | 146.4        | GGGG                               |                     |                      | 139                   | 54                   |
| 09825E                      | 5829N | 2518-03500        | 00000/0000 2-20027/0354                            | 06/23/76         | 10                  | 7215            | 50.9         | 143.1        | FFGG                               |                     |                      | 145                   | 32                   |
| 09825E                      | 2011N | 2400-03071        | 00000/0000 2-20021/0696                            | 02/26/76         | 10                  | 5569            | 42.5         | 124.4        | GGGG                               |                     |                      | 151                   | 19                   |
| 09824E                      | 5829V | 2536-03493        | 00000/0000 2-20028/1181                            | 07/11/76         | 20                  | 7466            | 49.3         | 142.5        | FGGG                               |                     |                      | 141                   | 46                   |
| 09821E                      | 1416N | 2381-03034        | 00000/0000 2-20020/1133                            | 02/07/76         | 40                  | 5304            | 41.1         | 126.2        | FG                                 |                     |                      | 151                   | 19                   |
| 09820E                      | 5558V | 2463-03463        | 00000/0000 2-20024/0958                            | 04/29/76         | 90                  | 6448            | 44.5         | 146.1        | GGGF                               |                     |                      | 140                   | 50                   |
| 09818E                      | 0125N | 2523-02520        | 00000/0000 2-20028/0248                            | 06/28/76         | 70                  | 7284            | 46.0         | 57.1         | GFGG                               |                     |                      | 150                   | 21                   |
| 09816E                      | 5557N | 2589-03430        | 00000/0000 2-20032/0493                            | 09/02/76         | 50                  | 8205            | 37.8         | 147.0        | GGGG                               |                     |                      | 138                   | 59                   |
| 09816E                      | 5555N | 2571-03433        | 00000/0000 2-20030/1296                            | 08/15/76         | 50                  | 7954            | 43.3         | 143.0        | GGGG                               |                     |                      | 150                   | 21                   |
| 09816E                      | 3021N | 2708-03060        | 00000/0000 2-20038/0376                            | 12/30/76         | 10                  | 9864            | 26.4         | 143.1        | FFFF                               |                     |                      | 150                   | 21                   |
| 09816E                      | 3020N | 2726-03052        | 00000/0000 2-20039/0037                            | 01/17/77         | 10                  | 115             | 27.3         | 139.8        | GGGG                               |                     |                      | 143                   | 39                   |
| 09814E                      | 3016N | 2672-03073        | 00000/0000 2-20037/0161                            | 11/24/76         | 30                  | 9362            | 30.8         | 145.3        | GGGG                               |                     |                      | 143                   | 39                   |
| 09811E                      | 5548V | 2553-03441        | 00000/0000 2-20030/0345                            | 07/28/76         | 30                  | 7703            | 47.8         | 139.8        | GGGG                               |                     |                      | 143                   | 39                   |
| 09811E                      | 2435N | 2437-03103        | 00000/0000 2-20022/1196                            | 04/03/76         | 10                  | 6085            | 51.3         | 114.1        | GGGG                               |                     |                      | 150                   | 21                   |
| 09809E                      | 5544V | 2535-03444        | 00000/0000 2-20028/1055                            | 07/10/76         | 70                  | 7452            | 51.0         | 138.4        | GGGG                               |                     |                      | 142                   | 43                   |
| 09809E                      | 5541N | 2517-03451        | 00000/0000 2-20027/0062                            | 06/22/76         | 10                  | 7201            | 52.6         | 138.8        | GGGG                               |                     |                      | 150                   | 21                   |
| 09808E                      | 4315N | 2711-03192        | 00000/0000 2-20038/0522                            | 01/02/77         | 0                   | 9906            | 17.2         | 148.4        | GGGG                               |                     |                      | 150                   | 21                   |
| 09808E                      | 4311N | 2693-03201        | 00000/0000 2-20037/0882                            | 12/15/76         | 40                  | 9655            | 17.8         | 150.6        | FGGG                               |                     |                      | 146                   | 30                   |
| 09807E                      | 3859N | 2440-03233        | 00000/0000 2-20027/1369                            | 04/06/76         | 80                  | 6127            | 46.8         | 130.6        | FGGG                               |                     |                      | 146                   | 30                   |
| 09807E                      | 2429N | 2671-03033        | 00000/0000 2-20036/1167                            | 11/23/76         | 90                  | 9348            | 35.1         | 141.9        | GGGG                               |                     |                      | 145                   | 33                   |
| 09807E                      | 0705N | 2380-03000        | 00000/0000 2-20020/1031                            | 02/06/76         | 90                  | 5290            | 43.9         | 120.2        | GGGG                               |                     |                      | 142                   | 43                   |
| 09806E                      | 4312N | 2729-03184        | 00000/0000 2-20040/0001                            | 01/20/77         | 50                  | 157             | 19.0         | 145.4        | GGGG                               |                     |                      | 139                   | 55                   |
| 09806E                      | 3438N | 2727-03095        | 00000/0000 2-20038/1418                            | 01/18/77         | 0                   | 129             | 24.5         | 141.8        | GGGG                               |                     |                      | 146                   | 30                   |
| 09806E                      | 3435N | 2691-03112        | 00000/0000 2-20037/0737                            | 12/13/76         | 0                   | 9627            | 24.5         | 147.1        | GGGG                               |                     |                      | 144                   | 36                   |
| 09806E                      | 2431N | 2419-03111        | 00000/0000 2-20022/0176                            | 03/16/76         | 10                  | 5834            | 46.2         | 121.5        | GGGG                               |                     |                      | 144                   | 36                   |
| 09805E                      | 3858N | 2710-03150        | 00000/0000 2-20038/0423                            | 01/01/77         | 70                  | 9892            | 20.3         | 146.7        | GGGF                               |                     |                      | 142                   | 43                   |
| 09805E                      | 3853N | 2476-03223        | 00000/0000 2-20024/1647                            | 05/12/76         | 10                  | 6629            | 56.5         | 119.7        | GGGG                               |                     |                      | 145                   | 33                   |
| 09805E                      | 1851N | 2706-02580        | 00000/0000 2-20038/0112                            | 12/28/76         | 40                  | 9836            | 34.1         | 137.3        | GGGG                               |                     |                      | 145                   | 33                   |
|                             |       |                   |                                                    |                  |                     |                 |              |              |                                    |                     |                      | 141                   | 47                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0825

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09804E 4305N                            | 2675-03205        | 00000/0000                   | 2-20036/1290                | 11/27/76         | 20                  | 9404          | 20.6         | 151.6        |                                    |                     |                      | 146                   | 30                   |
| 09804E 3855N                            | 2692-03154        | 00000/0000                   | 2-20037/0780                | 12/14/76         | 30                  | 9641          | 21.2         | 148.9        | GGGG                               |                     |                      | 145                   | 33                   |
| 09804E 3433N                            | 2673-03120        | 00000/0000                   | 2-20036/1249                | 11/25/76         | 0                   | 9376          | 27.5         | 147.5        | GGGG                               |                     |                      | 144                   | 36                   |
| 09803E 3856N                            | 2728-03142        | 00000/0000                   | 2-20039/0105                | 01/19/77         | 0                   | 143           | 21.8         | 143.6        | GGGG                               |                     |                      | 145                   | 33                   |
| 09803E 1845N                            | 2400-03074        | 00000/0000                   | 2-20021/0697                | 02/26/76         | 0                   | 5569          | 43.1         | 123.1        | FGGG                               |                     |                      | 141                   | 47                   |
| 09802E 3849N                            | 2422-03240        | 00000/0000                   | 2-20027/0252                | 03/19/76         | 10                  | 5876          | 40.4         | 134.6        | GGGG                               |                     |                      | 145                   | 33                   |
| 09802E 2428N                            | 2401-03114        | 00000/0000                   | 2-20021/0748                | 02/27/76         | 80                  | 5583          | 40.9         | 127.8        | GGFG                               |                     |                      | 142                   | 43                   |
| 09801E 3851N                            | 2674-03163        | 00000/0000                   | 2-20036/1525                | 11/26/76         | 0                   | 9390          | 24.1         | 149.6        | GGGG                               |                     |                      | 145                   | 33                   |
| 09801E 1250N                            | 2381-03040        | 00000/0000                   | 2-20020/1134                | 02/07/76         | 30                  | 5304          | 41.7         | 124.9        | GGGG                               |                     |                      | 140                   | 51                   |
| 09800E 3847N                            | 2656-03171        | 00000/0000                   | 2-20036/0639                | 11/08/76         | 40                  | 9139          | 28.5         | 148.5        | GGGG                               |                     |                      | 145                   | 33                   |
| 09800E 2415N                            | 2383-03121        | 00000/0000                   | 2-20020/1205                | 02/09/76         | 30                  | 5332          | 36.4         | 133.2        | GGGG                               |                     |                      | 142                   | 43                   |
| 09758E 3850N                            | 2620-03183        | 00000/0000                   | 2-20034/0203                | 10/03/76         | 30                  | 8637          | 39.2         | 140.5        | GGGG                               |                     |                      | 145                   | 33                   |
| 09758E 0000N                            | 2523-02522        | 00000/0000                   | 2-20028/0249                | 06/28/76         | 80                  | 7284          | 45.0         | 56.0         | GGGG                               |                     |                      | 138                   | 60                   |
| 09757E 3846N                            | 2638-03175        | 00000/0000                   | 2-20034/0925                | 10/21/76         | 30                  | 8888          | 33.8         | 145.5        | GGGG                               |                     |                      | 145                   | 33                   |
| 09752E 2854N                            | 2726-03055        | 00000/0000                   | 2-20039/0038                | 01/17/77         | 20                  | 115           | 28.2         | 139.1        | GGGG                               |                     |                      | 143                   | 40                   |
| 09751E 2855N                            | 2708-03063        | 00000/0000                   | 2-20038/0377                | 12/30/76         | 30                  | 9864          | 27.4         | 142.4        | GGGG                               |                     |                      | 143                   | 40                   |
| 09750E 2850N                            | 2672-03030        | 00000/0000                   | 2-20037/0162                | 11/24/76         | 50                  | 9362          | 31.9         | 144.5        | GGGG                               |                     |                      | 143                   | 40                   |
| 09749E 4604N                            | 2712-03242        | 00000/0000                   | 2-20038/0608                | 01/03/77         | 0                   | 9920          | 15.1         | 149.5        | GGGG                               |                     |                      | 147                   | 28                   |
| 09749E 0548N                            | 2398-03000        | 00000/0000                   | 2-20021/0545                | 02/24/76         | 20                  | 5541          | 46.8         | 111.0        | GGGG                               |                     |                      | 139                   | 56                   |
| 09748E 4600N                            | 2634-03250        | 00000/0000                   | 2-20037/0953                | 12/16/76         | 10                  | 9669          | 15.6         | 151.7        | G                                  |                     |                      | 147                   | 28                   |
| 09747E 5723N                            | 2446-03522        | 00000/0000                   | 2-20023/0043                | 04/12/76         | 30                  | 6211          | 37.8         | 149.1        | GGGG                               |                     |                      | 151                   | 20                   |
| 09746E 5720N                            | 2464-03515        | 00000/0000                   | 2-20024/0756                | 04/30/76         | 70                  | 6462          | 43.9         | 147.7        | GGGG                               |                     |                      | 151                   | 20                   |
| 09744E 1725N                            | 2706-02553        | 00000/0000                   | 2-20038/0113                | 12/28/76         | 40                  | 9836          | 34.9         | 136.4        | GGGG                               |                     |                      | 141                   | 48                   |
| 09742E 5723N                            | 2590-03482        | 00000/0000                   | 2-20032/0552                | 09/03/76         | 40                  | 8219          | 36.5         | 148.7        | GGG                                |                     |                      | 151                   | 20                   |
| 09742E 5721N                            | 2572-03485        | 00000/0000                   | 2-20030/1413                | 08/16/76         | 90                  | 7968          | 42.1         | 145.0        | GGGG                               |                     |                      | 151                   | 20                   |
| 09741E 5715N                            | 2432-03512        | 00000/0000                   | 2-20025/0780                | 05/18/76         | 80                  | 6713          | 48.5         | 145.6        | GGFG                               |                     |                      | 151                   | 20                   |
| 09741E 1124N                            | 2381-03043        | 00000/0000                   | 2-20020/1135                | 02/07/76         | 30                  | 5304          | 42.4         | 123.7        | FFFF                               |                     |                      | 140                   | 52                   |
| 09740E 3312N                            | 2727-03101        | 00000/0000                   | 2-20038/1419                | 01/18/77         | 10                  | 129           | 25.5         | 141.1        | GGGG                               |                     |                      | 144                   | 37                   |
| 09740E 3309N                            | 2691-03114        | 00000/0000                   | 2-20037/0738                | 12/13/76         | 0                   | 9627          | 25.5         | 146.4        | GFGG                               |                     |                      | 144                   | 37                   |
| 09739E 2300N                            | 2401-03120        | 00000/0000                   | 2-20021/0749                | 02/27/76         | 10                  | 5583          | 41.5         | 126.6        | GGG                                |                     |                      | 142                   | 44                   |
| 09739E 0126S                            | 2523-02525        | 00000/0000                   | 2-20028/0250                | 06/28/76         | 80                  | 7284          | 44.0         | 55.0         | GGGG                               |                     |                      | 138                   | 61                   |
| 09738E 3307N                            | 2673-03123        | 00000/0000                   | 2-20036/1250                | 11/25/76         | 0                   | 9376          | 28.6         | 146.8        | GGGG                               |                     |                      | 144                   | 37                   |
| 09737E 5713N                            | 2608-03475        | 00000/0000                   | 2-20032/1563                | 09/21/76         | 20                  | 8470          | 30.4         | 152.4        | GGGG                               |                     |                      | 151                   | 20                   |
| 09736E 4149N                            | 2711-03195        | 00000/0000                   | 2-20038/0523                | 01/02/77         | 30                  | 9206          | 18.3         | 147.8        | FGGG                               |                     |                      | 146                   | 31                   |
| 09736E 4145N                            | 2693-03203        | 00000/0000                   | 2-20037/0883                | 12/15/76         | 30                  | 9655          | 18.9         | 150.0        | FGGG                               |                     |                      | 146                   | 31                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09736E                                  | 3733N             | 2710-03152                   | 00000/0000                  | 2-20038/0424     | 01/01/77            | 60              | 9892         | 21.3         | 146.1                              | GGGG                |                      | 145                   | 34                   |
| 09736E                                  | 3729N             | 2692-03161                   | 00000/0000                  | 2-20037/0781     | 12/14/76            | 90              | 9641         | 22.2         | 148.3                              | FGGG                |                      | 145                   | 34                   |
| 09735E                                  | 5713N             | 2554-03497                   | 00000/0000                  | 2-20030/0324     | 07/29/76            | 50              | 7717         | 46.8         | 141.9                              | GGGG                |                      | 151                   | 20                   |
| 09735E                                  | 5709N             | 2500-03505                   | 00000/0000                  | 2-20026/0802     | 06/05/76            | 80              | 6964         | 51.2         | 143.0                              | GGGG                |                      | 151                   | 20                   |
| 09735E                                  | 4136N             | 2657-03220                   | 00000/0000                  | 2-20036/0116     | 11/09/76            | 10              | 9153         | 26.1         | 150.2                              | FGGG                |                      | 146                   | 31                   |
| 09734E                                  | 4147N             | 2729-03191                   | 00000/0000                  | 2-20040/0002     | 01/20/77            | 10              | 157          | 20.0         | 144.8                              | FGGG                |                      | 146                   | 31                   |
| 09734E                                  | 3720N             | 2728-03144                   | 00000/0000                  | 2-20039/0106     | 01/19/77            | 10              | 143          | 22.8         | 142.9                              | FGGG                |                      | 145                   | 34                   |
| 09732E                                  | 5706N             | 2518-03503                   | 00000/0000                  | 2-20027/0355     | 06/23/76            | 30              | 7215         | 51.7         | 140.9                              | GGGF                |                      | 151                   | 20                   |
| 09732E                                  | 4140N             | 2675-03212                   | 00000/0000                  | 2-20036/1291     | 11/27/76            | 0               | 9404         | 21.7         | 150.9                              | GGGG                |                      | 146                   | 31                   |
| 09731E                                  | 5706N             | 2536-03500                   | 00000/0000                  | 2-20028/1182     | 07/11/76            | 10              | 7466         | 50.1         | 140.4                              | FGFF                |                      | 151                   | 20                   |
| 09731E                                  | 5434N             | 2463-03465                   | 00000/0000                  | 2-20024/0959     | 04/29/76            | 60              | 6448         | 45.5         | 144.4                              | GGGG                |                      | 150                   | 22                   |
| 09728E                                  | 5433N             | 2589-03433                   | 00000/0000                  | 2-20032/0494     | 09/02/76            | 70              | 8205         | 38.8         | 145.5                              | GGGG                |                      | 150                   | 22                   |
| 09728E                                  | 5431N             | 2571-03440                   | 00000/0000                  | 2-20030/1297     | 08/15/76            | 70              | 7954         | 44.2         | 141.3                              | FFFF                |                      | 150                   | 22                   |
| 09728E                                  | 2728N             | 2726-03061                   | 00000/0000                  | 2-20039/0039     | 01/17/77            | 70              | 115          | 29.1         | 138.3                              | GGGG                |                      | 143                   | 41                   |
| 09727E                                  | 2729N             | 2708-03065                   | 00000/0000                  | 2-20038/0378     | 12/30/76            | 40              | 9864         | 28.4         | 141.7                              | GGGG                |                      | 143                   | 41                   |
| 09726E                                  | 2725N             | 2672-03082                   | 00000/0000                  | 2-20037/0163     | 11/24/76            | 90              | 9362         | 32.9         | 143.7                              | GGGG                |                      | 143                   | 41                   |
| 09724E                                  | 5424N             | 2553-03443                   | 00000/0000                  | 2-20030/0214     | 07/28/76            | 80              | 7703         | 48.6         | 137.9                              | GGGG                |                      | 150                   | 22                   |
| 09722E                                  | 5421N             | 2535-03450                   | 00000/0000                  | 2-20028/1056     | 07/10/76            | 70              | 7452         | 51.8         | 136.2                              | GGGG                |                      | 150                   | 22                   |
| 09722E                                  | 1558N             | 2706-02585                   | 00000/0000                  | 2-20038/0114     | 12/28/76            | 40              | 9836         | 35.8         | 135.5                              | GGGG                |                      | 141                   | 49                   |
| 09721E                                  | 5417N             | 2517-03453                   | 00000/0000                  | 2-20027/0063     | 06/22/76            | 30              | 7201         | 53.3         | 136.6                              | GGGG                |                      | 150                   | 22                   |
| 09721E                                  | 0958N             | 2381-03045                   | 00000/0000                  | 2-20020/1136     | 02/07/76            | 20              | 5304         | 43.0         | 122.4                              | GFGG                |                      | 140                   | 53                   |
| 09720E                                  | 2136N             | 2365-03132                   | 00000/0000                  | 2-20019/0175     | 01/22/76            | 60              | 5081         | 34.9         | 136.2                              | GGGG                |                      | 142                   | 45                   |
| 09719E                                  | 0251S             | 2523-02531                   | 00000/0000                  | 2-20028/0251     | 06/28/76            | 50              | 7284         | 43.0         | 54.0                               | GGGG                |                      | 138                   | 62                   |
| 09718E                                  | 1541N             | 2382-03090                   | 00000/0000                  | 2-20020/0929     | 02/08/76            | 20              | 5318         | 40.6         | 127.0                              | FFFF                |                      | 141                   | 49                   |
| 09717E                                  | 2134N             | 2401-03123                   | 00000/0000                  | 2-20021/0750     | 02/27/76            | 0               | 5583         | 42.2         | 125.3                              | GGGG                |                      | 142                   | 45                   |
| 09716E                                  | 5846N             | 2465-03570                   | 00000/0000                  | 2-20024/0815     | 05/01/76            | 0               | 6476         | 43.2         | 149.4                              | GGGG                |                      | 152                   | 19                   |
| 09715E                                  | 6238N             | 2503-04082                   | 00000/0000                  | 2-20026/0961     | 06/08/76            | 70              | 7006         | 47.8         | 151.0                              | GGGG                |                      | 154                   | 16                   |
| 09715E                                  | 4439N             | 2712-03244                   | 00000/0000                  | 2-20038/0609     | 01/03/77            | 0               | 9920         | 16.2         | 148.9                              | FGGF                |                      | 147                   | 29                   |
| 09715E                                  | 3146N             | 2727-03104                   | 00000/0000                  | 2-20038/1420     | 01/18/77            | 10              | 129          | 26.4         | 140.3                              | GGGG                |                      | 144                   | 38                   |
| 09715E                                  | 3144N             | 2691-03121                   | 00000/0000                  | 2-20037/0739     | 12/13/76            | 0               | 9627         | 26.6         | 145.7                              | GGGG                |                      | 144                   | 38                   |
| 09714E                                  | 4434N             | 2694-03253                   | 00000/0000                  | 2-20037/0954     | 12/16/76            | 30              | 9669         | 16.7         | 151.1                              | GGFG                |                      | 147                   | 29                   |
| 09713E                                  | 3141N             | 2673-03125                   | 00000/0000                  | 2-20036/1251     | 11/25/76            | 0               | 9376         | 29.6         | 146.1                              | GGGG                |                      | 144                   | 38                   |
| 09712E                                  | 4438N             | 2730-03240                   | 00000/0000                  | 2-20039/0882     | 01/21/77            | 10              | 171          | 18.1         | 145.9                              | FGGP                |                      | 147                   | 29                   |
| 09711E                                  | 4026N             | 2459-03231                   | 00000/0000                  | 2-20024/0543     | 04/25/76            | 10              | 6392         | 52.1         | 127.3                              | GGGG                |                      | 146                   | 32                   |
| 09710E                                  | 5846N             | 2591-03534                   | 00000/0000                  | 2-20032/0611     | 09/04/76            | 100             | 8233         | 35.2         | 150.3                              | GGGG                |                      | 152                   | 19                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SRRIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 09710E                      | 4428N             | 2676-03261            | 00000/0000           | 2-20036/1406     | 11/28/76            | 10              | 9418         | 19.3         | 152.2                 | PPPP                |                      | 147                   | 29                   |
| 09710E                      | 4025N             | 2441-03284            | 00000/0000           | 2-20022/1474     | 04/07/76            | 10              | 6141         | 46.4         | 131.9                 | FGGG                |                      | 146                   | 32                   |
| 09709E                      | 3607N             | 2710-03155            | 00000/0000           | 2-20038/0425     | 01/01/77            | 30              | 9892         | 22.4         | 145.5                 | FGGG                |                      | 145                   | 35                   |
| 09709E                      | 3604N             | 2692-03163            | 00000/0000           | 2-20037/0782     | 12/14/76            | 60              | 9641         | 23.3         | 147.7                 | GGGG                |                      | 145                   | 35                   |
| 09708E                      | 5842N             | 2573-03541            | 00000/0000           | 2-20030/1642     | 08/17/76            | 90              | 7982         | 40.9         | 146.8                 | GGG                 |                      | 152                   | 19                   |
| 09707E                      | 3604N             | 2728-03151            | 00000/0000           | 2-20039/0107     | 01/19/77            | 40              | 143          | 23.7         | 142.3                 | FGGF                |                      | 145                   | 35                   |
| 09706E                      | 4024N             | 2711-03201            | 00000/0000           | 2-20038/0524     | 01/02/77            | 90              | 9906         | 19.3         | 147.2                 | GGGG                |                      | 146                   | 32                   |
| 09706E                      | 4020N             | 2693-03210            | 00000/0000           | 2-20037/0884     | 12/15/76            | 40              | 9655         | 20.0         | 149.4                 | FGGG                |                      | 146                   | 32                   |
| 09704E                      | 5833N             | 2501-03561            | 00000/0000           | 2-20026/0848     | 06/06/76            | 90              | 6978         | 50.4         | 144.9                 | GGGG                |                      | 152                   | 19                   |
| 09704E                      | 4021N             | 2729-03193            | 00000/0000           | 2-20040/0003     | 01/20/77            | 10              | 157          | 21.0         | 144.1                 | GGGG                |                      | 146                   | 32                   |
| 09704E                      | 4016N             | 2423-03292            | 00000/0000           | 2-20022/0271     | 03/20/76            | 10              | 5890         | 40.0         | 135.7                 | FGFG                |                      | 146                   | 32                   |
| 09704E                      | 2601N             | 2726-03064            | 00000/0000           | 2-20039/0040     | 01/17/77            | 50              | 115          | 30.0         | 137.5                 | FGGG                |                      | 143                   | 42                   |
| 09703E                      | 5835N             | 2555-03544            | 00000/0000           | 2-20030/0566     | 07/30/76            | 90              | 7731         | 45.7         | 143.9                 | GGG                 |                      | 152                   | 19                   |
| 09703E                      | 4019N             | 2603-03242            | 00000/0000           | 2-20032/1308     | 09/16/76            | 20              | 8400         | 43.3         | 135.8                 | GGGG                |                      | 146                   | 32                   |
| 09703E                      | 2602N             | 2708-03072            | 00000/0000           | 2-20038/0379     | 12/30/76            | 30              | 9864         | 29.3         | 141.0                 | FGGG                |                      | 143                   | 42                   |
| 09703E                      | 2559N             | 2672-03085            | 00000/0000           | 2-20037/0164     | 11/24/76            | 90              | 9362         | 33.9         | 142.9                 | GGGG                |                      | 143                   | 42                   |
| 09702E                      | 4015N             | 2675-03214            | 00000/0000           | 2-20036/1292     | 11/27/76            | 0               | 9404         | 22.8         | 150.3                 | GGGG                |                      | 146                   | 32                   |
| 09701E                      | 4012N             | 2621-03235            | 00000/0000           | 2-20034/0314     | 10/04/76            | 10              | 8651         | 38.0         | 142.0                 | GGGG                |                      | 146                   | 32                   |
| 09701E                      | 4011N             | 2639-03231            | 00000/0000           | 2-20034/0954     | 10/22/76            | 40              | 8902         | 32.5         | 146.6                 | GFGG                |                      | 146                   | 32                   |
| 09700E                      | 0831N             | 2381-03052            | 00000/0000           | 2-20020/1137     | 02/07/76            | 30              | 5304         | 43.5         | 121.1                 | FFFF                |                      | 140                   | 54                   |
| 09659E                      | 5828N             | 2519-03554            | 00000/0000           | 2-20028/0109     | 06/24/76            | 50              | 7229         | 50.8         | 143.0                 | GGGG                |                      | 152                   | 19                   |
| 09659E                      | 4727N             | 2695-03302            | 00000/0000           | 2-20038/0004     | 12/17/76            | 10              | 9683         | 14.4         | 152.3                 | GGFG                |                      | 148                   | 27                   |
| 09659E                      | 0417S             | 2523-02534            | 00000/0000           | 2-20028/0252     | 06/28/76            | 50              | 7284         | 42.0         | 53.1                  | GGGG                |                      | 138                   | 63                   |
| 09658E                      | 2010N             | 2365-03134            | 00000/0000           | 2-20019/0176     | 01/22/76            | 40              | 5081         | 35.7         | 135.3                 | GGGG                |                      | 142                   | 46                   |
| 09657E                      | 5829N             | 2537-03551            | 00000/0000           | 2-20028/1807     | 07/12/76            | 70              | 7480         | 49.2         | 142.5                 | GFFF                |                      | 152                   | 19                   |
| 09657E                      | 1416N             | 2382-03092            | 00000/0000           | 2-20020/0930     | 02/08/76            | 40              | 5318         | 41.3         | 125.8                 | FFFF                |                      | 141                   | 50                   |
| 09655E                      | 5600N             | 2446-03524            | 00000/0000           | 2-20023/0013     | 04/12/76            | 10              | 6211         | 38.8         | 147.6                 | G GG                |                      | 151                   | 21                   |
| 09655E                      | 5556N             | 2464-03521            | 00000/0000           | 2-20024/0757     | 04/30/76            | 80              | 6462         | 44.8         | 146.0                 | GGGG                |                      | 151                   | 21                   |
| 09655E                      | 2308N             | 2401-03125            | 00000/0000           | 2-20021/0751     | 02/27/76            | 0               | 5583         | 42.8         | 124.0                 | GGGG                |                      | 142                   | 43                   |
| 09654E                      | 4721N             | 2677-03310            | 00000/0000           | 2-20036/1473     | 11/29/76            | 0               | 9432         | 16.9         | 153.5                 | GGGG                |                      | 148                   | 27                   |
| 09651E                      | 5557N             | 2572-03492            | 00000/0000           | 2-20030/1414     | 08/16/76            | 80              | 7968         | 43.0         | 143.3                 | GGGG                |                      | 151                   | 21                   |
| 09651E                      | 5551N             | 2482-03514            | 00000/0000           | 2-20025/0781     | 05/18/76            | 80              | 6713         | 49.4         | 143.6                 | GGGG                |                      | 151                   | 21                   |
| 09650E                      | 5559N             | 2590-03485            | 00000/0000           | 2-20032/0553     | 09/03/76            | 50              | 8219         | 37.5         | 147.2                 | GGGG                |                      | 151                   | 21                   |
| 09650E                      | 3020N             | 2727-03110            | 00000/0000           | 2-20038/1421     | 01/18/77            | 10              | 129          | 27.4         | 139.6                 | GGGG                |                      | 144                   | 39                   |
| 09650E                      | 3018N             | 2691-03123            | 00000/0000           | 2-20037/0740     | 12/13/76            | 0               | 9627         | 27.6         | 145.1                 | GGGG                |                      | 144                   | 39                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0028

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBN<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 09649E                      | 3016N             | 2673-03132                              | 00000/0000       | 2-20036/1252        | 11/25/76        | 10           | 9376         | 30.6                  | 145.3               | GGGG                 |                       |                      |
| 09646E                      | 5550N             | 2608-03452                              | 00000/0000       | 2-20032/1564        | 09/21/76        | 10           | 8470         | 31.4                  | 151.1               | GGGG                 | 144                   | 39                   |
| 09646E                      | 5310N             | 2463-03472                              | 00000/0000       | 2-20024/0960        | 04/29/76        | 70           | 6448         | 46.4                  | 142.7               | GGGG                 | 151                   | 21                   |
| 09645E                      | 5549N             | 2554-03495                              | 00000/0000       | 2-20030/0325        | 07/29/76        | 70           | 7717         | 47.6                  | 140.0               | GGGG                 | 150                   | 23                   |
| 09644E                      | 5546N             | 2500-03512                              | 00000/0000       | 2-20026/0803        | 06/05/76        | 80           | 6964         | 52.0                  | 140.9               | GGGG                 | 151                   | 21                   |
| 09644E                      | 5309N             | 2589-03435                              | 00000/0000       | 2-20032/0495        | 09/02/76        | 80           | 8205         | 39.7                  | 144.1               | GGGG                 | 151                   | 21                   |
| 09643E                      | 5307N             | 2571-03442                              | 00000/0000       | 2-20030/1298        | 08/15/76        | 60           | 7954         | 45.0                  | 139.6               | FFFF                 | 150                   | 23                   |
| 09643E                      | 0714N             | 2651-02575                              | 00000/0000       | 2-20035/0480        | 11/03/76        | 30           | 9069         | 49.1                  | 123.1               | GGGG                 | 150                   | 23                   |
| 09642E                      | 5543N             | 2518-03505                              | 00000/0000       | 2-20027/0356        | 06/23/76        | 70           | 7215         | 52.5                  | 138.7               | GGGG                 | 140                   | 55                   |
| 09642E                      | 4314N             | 2712-03251                              | 00000/0000       | 2-20038/0610        | 01/03/77        | 0            | 9920         | 17.2                  | 148.3               | GGGG                 | 151                   | 21                   |
| 09642E                      | 4309N             | 2694-03255                              | 00000/0000       | 2-20037/0955        | 12/16/76        | 10           | 9669         | 17.8                  | 150.5               | GGGG                 | 147                   | 30                   |
| 09642E                      | 3900N             | 2459-03284                              | 00000/0000       | 2-20024/0544        | 04/25/76        | 0            | 6392         | 52.7                  | 125.3               | GGGG                 | 147                   | 30                   |
| 09642E                      | 3441N             | 2710-03161                              | 00000/0000       | 2-20038/0426        | 01/01/77        | 30           | 9892         | 23.4                  | 144.8               | GGGG                 | 146                   | 33                   |
| 09642E                      | 3438N             | 2692-03170                              | 00000/0000       | 2-20037/0783        | 12/14/76        | 80           | 9641         | 24.3                  | 147.0               | GGGG                 | 145                   | 36                   |
| 09641E                      | 3900N             | 2441-03291                              | 00000/0000       | 2-20022/1475        | 04/07/76        | 30           | 6141         | 47.1                  | 130.3               | GGGG                 | 145                   | 36                   |
| 09641E                      | 2435N             | 2726-03070                              | 00000/0000       | 2-20039/0041        | 01/17/77        | 10           | 115          | 30.9                  | 136.7               | GGGG                 | 146                   | 33                   |
| 09640E                      | 5543N             | 2536-03502                              | 00000/0000       | 2-20028/1183        | 07/11/76        | 10           | 7466         | 50.9                  | 138.4               | FFFF                 | 143                   | 43                   |
| 09640E                      | 5259N             | 2553-03450                              | 00000/0000       | 2-20030/0215        | 07/28/76        | 80           | 7703         | 49.4                  | 136.0               | GGGG                 | 151                   | 21                   |
| 09640E                      | 4312N             | 2730-03243                              | 00000/0000       | 2-20039/0883        | 01/21/77        | 10           | 171          | 19.1                  | 145.2               | GGGG                 | 150                   | 23                   |
| 09640E                      | 3437N             | 2728-03153                              | 00000/0000       | 2-20039/0108        | 01/19/77        | 10           | 143          | 24.7                  | 141.6               | FFFF                 | 147                   | 30                   |
| 09640E                      | 2436N             | 2708-03074                              | 00000/0000       | 2-20038/0380        | 12/30/76        | 20           | 9864         | 30.3                  | 140.2               | GGGG                 | 145                   | 36                   |
| 09639E                      | 3434N             | 2674-03174                              | 00000/0000       | 2-20036/1526        | 11/26/76        | 0            | 9390         | 27.3                  | 147.6               | GGGG                 | 143                   | 43                   |
| 09639E                      | 2433N             | 2672-03091                              | 00000/0000       | 2-20037/0165        | 11/24/76        | 50           | 9362         | 34.9                  | 142.0               | GGGG                 | 145                   | 36                   |
| 09639E                      | 0544S             | 2523-02540                              | 00000/0000       | 2-20028/0253        | 06/28/76        | 70           | 7284         | 40.9                  | 52.2                | GGGG                 | 143                   | 43                   |
| 09637E                      | 5256N             | 2535-03453                              | 00000/0000       | 2-20028/1057        | 07/10/76        | 80           | 7452         | 52.5                  | 134.1               | GGGG                 | 138                   | 64                   |
| 09637E                      | 5254N             | 2517-03460                              | 00000/0000       | 2-20027/0064        | 06/22/76        | 90           | 7201         | 54.0                  | 134.3               | GGGG                 | 150                   | 23                   |
| 09637E                      | 3858N             | 2711-03204                              | 00000/0000       | 2-20038/0525        | 01/02/77        | 70           | 9906         | 20.3                  | 146.6               | GGGG                 | 150                   | 23                   |
| 09637E                      | 3854N             | 2693-03212                              | 00000/0000       | 2-20037/0885        | 12/15/76        | 90           | 9655         | 21.1                  | 148.8               | GGGG                 | 146                   | 33                   |
| 09636E                      | 1844N             | 2365-03141                              | 00000/0000       | 2-20019/0177        | 01/22/76        | 10           | 5081         | 36.6                  | 134.4               | GGGG                 | 146                   | 33                   |
| 09636E                      | 1250N             | 2382-03095                              | 00000/0000       | 2-20020/0931        | 02/08/76        | 60           | 5318         | 41.9                  | 124.6               | GGGG                 | 142                   | 47                   |
| 09635E                      | 3855N             | 2729-03200                              | 00000/0000       | 2-20040/0004        | 01/20/77        | 0            | 157          | 21.9                  | 143.4               | GGGG                 | 141                   | 51                   |
| 09635E                      | 3850N             | 2423-03295                              | 00000/0000       | 2-20022/0272        | 03/20/76        | 10           | 5890         | 40.8                  | 134.4               | GGGG                 | 146                   | 33                   |
| 09634E                      | 1843N             | 2401-03132                              | 00000/0000       | 2-20021/0752        | 02/27/76        | 10           | 5583         | 43.4                  | 122.7               | GGGG                 | 144                   | 33                   |
| 09633E                      | 3850N             | 2675-03221                              | 00000/0000       | 2-20036/1293        | 11/27/76        | 10           | 9403         | 23.9                  | 149.6               | GGGG                 | 142                   | 47                   |
| 09626E                      | 2854N             | 2727-03113                              | 00000/0000       | 2-20038/1422        | 01/18/77        | 20           | 129          | 28.3                  | 138.9               | GGGG                 | 146                   | 33                   |
|                             |                   |                                         |                  |                     |                 |              |              |                       |                     |                      | 144                   | 40                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | RESERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 09626E                      | 2851N             | 2691-0313N                   | 00000/0000                 | 2-20037/0741     | 12/13/76            | 0               | 9627         | 28.6         | 144.4                 | GGGG                |                      | 144                   | 40                   |
| 09624E                      | 2850N             | 2673-0313N                   | 00000/0000                 | 2-20036/1253     | 11/25/76            | 90              | 9376         | 31.7         | 144.6                 | GGGG                |                      | 144                   | 40                   |
| 09623E                      | 4602N             | 2695-0330N                   | 00000/0000                 | 2-20038/0005     | 12/17/76            | 10              | 9683         | 15.5         | 151.7                 | GGFG                |                      | 148                   | 28                   |
| 09621E                      | 5723N             | 2465-0357N                   | 00000/0000                 | 2-20024/0816     | 05/01/76            | 10              | 6476         | 44.2         | 147.6                 | GGGG                |                      | 152                   | 20                   |
| 09619E                      | 4557N             | 2677-0331N                   | 00000/0000                 | 2-20036/1474     | 11/29/76            | 0               | 9432         | 18.0         | 152.8                 | GGGG                |                      | 148                   | 28                   |
| 09619E                      | 2308N             | 2726-0307N                   | 00000/0000                 | 2-20039/0042     | 01/17/77            | 10              | 115          | 31.7         | 135.9                 | GGGG                |                      | 143                   | 44                   |
| 09616E                      | 3314N             | 2710-0316N                   | 00000/0000                 | 2-20038/0427     | 01/01/77            | 40              | 9892         | 24.4         | 144.2                 | GGGG                |                      | 145                   | 37                   |
| 09616E                      | 3312N             | 2692-0317N                   | 00000/0000                 | 2-20037/0784     | 12/14/76            | 10              | 9641         | 25.4         | 146.4                 | GGG                 |                      | 145                   | 37                   |
| 09616E                      | 2306N             | 2672-0309N                   | 00000/0000                 | 2-20037/0166     | 11/24/76            | 80              | 9362         | 35.8         | 141.2                 | GGGG                |                      | 143                   | 44                   |
| 09615E                      | 5723N             | 2591-0354N                   | 00000/0000                 | 2-20032/0612     | 09/04/76            | 100             | 8233         | 36.2         | 148.9                 | GGGG                |                      | 152                   | 20                   |
| 09615E                      | 5714N             | 2483-0357N                   | 00000/0000                 | 2-20025/0805     | 05/19/76            | 40              | 6727         | 48.7         | 145.4                 | GGGG                |                      | 152                   | 20                   |
| 09615E                      | 1717N             | 2365-0314N                   | 00000/0000                 | 2-20019/0178     | 01/22/76            | 10              | 5081         | 37.4         | 133.4                 | GGGG                |                      | 142                   | 48                   |
| 09614E                      | 5719N             | 2573-0354N                   | 00000/0000                 | 2-20037/1643     | 08/17/76            | 90              | 7982         | 41.8         | 145.1                 | GFGG                |                      | 152                   | 20                   |
| 09614E                      | 3734N             | 2459-0329N                   | 00000/0000                 | 2-20024/0545     | 04/25/76            | 0               | 6392         | 53.2         | 123.3                 | GGGG                |                      | 146                   | 34                   |
| 09614E                      | 3311N             | 2728-0316N                   | 00000/0000                 | 2-20039/0109     | 01/19/77            | 50              | 143          | 25.6         | 140.9                 | GGGF                |                      | 145                   | 37                   |
| 09613E                      | 3734N             | 2441-0329N                   | 00000/0000                 | 2-20022/1476     | 04/07/76            | 70              | 6141         | 47.8         | 128.7                 | GGGG                |                      | 146                   | 34                   |
| 09613E                      | 3309N             | 2674-0318N                   | 00000/0000                 | 2-20036/1527     | 11/26/76            | 10              | 9390         | 28.3         | 146.9                 | GGGG                |                      | 145                   | 37                   |
| 09613E                      | 1715N             | 2401-0313N                   | 00000/0000                 | 2-20021/0753     | 02/27/76            | 10              | 5583         | 43.9         | 121.3                 | GGGG                |                      | 142                   | 48                   |
| 09611E                      | 4148N             | 2712-0325N                   | 00000/0000                 | 2-20038/0611     | 01/03/77            | 20              | 9920         | 18.3         | 147.6                 | GGGG                |                      | 147                   | 31                   |
| 09610E                      | 5710N             | 2501-0356N                   | 00000/0000                 | 2-20026/0849     | 06/06/76            | 90              | 6978         | 51.3         | 142.8                 | GGGG                |                      | 152                   | 20                   |
| 09610E                      | 4144N             | 2694-0326N                   | 00000/0000                 | 2-20037/0956     | 12/16/76            | 0               | 9669         | 18.8         | 149.9                 | GGFG                |                      | 147                   | 31                   |
| 09609E                      | 5713N             | 2555-0355N                   | 00000/0000                 | 2-20030/0567     | 07/30/76            | 10              | 7731         | 46.6         | 142.0                 | GGGG                |                      | 152                   | 20                   |
| 09609E                      | 4146N             | 2730-0324N                   | 00000/0000                 | 2-20039/0884     | 01/21/77            | 10              | 171          | 20.1         | 144.6                 | FGGG                |                      | 147                   | 31                   |
| 09609E                      | 3732N             | 2711-0321N                   | 00000/0000                 | 2-20038/0526     | 01/02/77            | 40              | 9906         | 21.4         | 146.0                 | GGFG                |                      | 146                   | 34                   |
| 09609E                      | 3728N             | 2693-0321N                   | 00000/0000                 | 2-20037/0886     | 12/15/76            | 50              | 9655         | 22.1         | 148.2                 | GGGG                |                      | 146                   | 34                   |
| 09609E                      | 3724N             | 2531-0327N                   | 00000/0000                 | 2-20028/0739     | 07/06/76            | 90              | 7396         | 58.0         | 107.9                 | GGGG                |                      | 146                   | 34                   |
| 09608E                      | 3720N             | 2657-0323N                   | 00000/0000                 | 2-20036/0117     | 11/09/76            | 20              | 9153         | 29.3         | 147.9                 | GGGG                |                      | 146                   | 34                   |
| 09607E                      | 5432N             | 2464-0352N                   | 00000/0000                 | 2-20024/0758     | 04/30/76            | 80              | 6462         | 45.8         | 144.3                 | GGGG                |                      | 151                   | 22                   |
| 09607E                      | 4139N             | 2676-0327N                   | 00000/0000                 | 2-20036/1407     | 11/28/76            | 20              | 9418         | 21.5         | 150.9                 | FFFF                |                      | 147                   | 31                   |
| 09607E                      | 4135N             | 2658-0327N                   | 00000/0000                 | 2-20036/0154     | 11/10/76            | 10              | 9167         | 25.8         | 150.2                 | GGGG                |                      | 147                   | 31                   |
| 09607E                      | 3729N             | 2729-0320N                   | 00000/0000                 | 2-20040/0005     | 01/20/77            | 10              | 157          | 22.9         | 142.7                 | GGGG                |                      | 146                   | 34                   |
| 09607E                      | 3725N             | 2423-0330N                   | 00000/0000                 | 2-20027/0273     | 03/20/76            | 10              | 5890         | 41.6         | 133.1                 | GGGG                |                      | 146                   | 34                   |
| 09606E                      | 3718N             | 2513-0327N                   | 00000/0000                 | 2-20026/1755     | 06/13/76            | 90              | 7145         | 59.2         | 107.7                 | GGGG                |                      | 146                   | 34                   |
| 09605E                      | 5705N             | 2519-0356N                   | 00000/0000                 | 2-20028/0110     | 06/24/76            | 40              | 7229         | 51.7         | 140.8                 | GGGG                |                      | 152                   | 20                   |
| 09605E                      | 3724N             | 2675-0322N                   | 00000/0000                 | 2-20036/1294     | 11/27/76            | 20              | 9404         | 25.0         | 149.0                 | GGGG                |                      | 146                   | 34                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR N6N=US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LAT   | LON | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-----|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09604E                      | 5706N |     | 2537-03554        | 00000/0000                   | 2-20028/1199               | 07/12/76         | 40                  | 7480            | 50.0         | 140.4        |                                    |                     |                      |                       |                      |
| 09604E                      | 5433N |     | 2572-03494        | 00000/0000                   | 2-20030/1415               | 08/16/76         | 30                  | 7968            | 43.9         | 141.6        | GGGG                               |                     |                      | 152                   | 20                   |
| 09604E                      | 3719N |     | 2405-03304        | 00000/0000                   | 2-20021/0971               | 03/02/76         | 10                  | 5639            | 35.2         | 136.9        | GGGG                               |                     |                      | 151                   | 22                   |
| 09603E                      | 5145N |     | 2463-03474        | 00000/0000                   | 2-20024/0961               | 04/29/76         | 60                  | 6448            | 47.2         | 141.0        | GGGG                               |                     |                      | 146                   | 36                   |
| 09602E                      | 2727N |     | 2727-03115        | 00000/0000                   | 2-20038/1423               | 01/18/77         | 40                  | 129             | 29.2         | 138.1        | GGGG                               |                     |                      | 150                   | 24                   |
| 09602E                      | 2725N |     | 2691-03132        | 00000/0000                   | 2-20037/0742               | 12/13/76         | 10                  | 9627            | 29.6         | 143.6        | GGGG                               |                     |                      | 144                   | 41                   |
| 09601E                      | 5145N |     | 2589-03442        | 00000/0000                   | 2-20032/0496               | 09/02/76         | 90                  | 8205            | 40.6         | 142.6        | GGGG                               |                     |                      | 144                   | 41                   |
| 09601E                      | 5143N |     | 2571-03445        | 00000/0000                   | 2-20030/1299               | 08/15/76         | 40                  | 7954            | 45.8         | 137.9        | FFFF                               |                     |                      | 150                   | 24                   |
| 09600E                      | 2724N |     | 2673-03141        | 00000/0000                   | 2-20036/1254               | 11/25/76         | 100                 | 9376            | 32.7         | 143.8        | GGGG                               |                     |                      | 150                   | 24                   |
| 09558E                      | 5135N |     | 2553-03452        | 00000/0000                   | 2-20030/0216               | 07/28/76         | 70                  | 7703            | 50.1         | 134.0        | GGGG                               |                     |                      | 144                   | 41                   |
| 09557E                      | 5426N |     | 2554-03501        | 00000/0000                   | 2-20030/0326               | 07/29/76         | 90                  | 7717            | 48.4         | 138.1        | GGGG                               |                     |                      | 150                   | 24                   |
| 09556E                      | 2142N |     | 2708-03083        | 00000/0000                   | 2-20038/0381               | 12/30/76         | 10                  | 9864            | 32.2         | 138.7        | GGGG                               |                     |                      | 151                   | 22                   |
| 09556E                      | 2142N |     | 2726-03075        | 00000/0000                   | 2-20039/0043               | 01/17/77         | 10                  | 115             | 32.6         | 135.1        | FFGG                               |                     |                      | 143                   | 45                   |
| 09555E                      | 5419N |     | 2518-03512        | 00000/0000                   | 2-20027/0373               | 06/23/76         | 70                  | 7215            | 53.3         | 136.5        | GGGG                               |                     |                      | 143                   | 45                   |
| 09555E                      | 5132N |     | 2535-03455        | 00000/0000                   | 2-20028/1058               | 07/10/76         | 60                  | 7452            | 53.2         | 131.9        | GGGG                               |                     |                      | 151                   | 22                   |
| 09554E                      | 5130N |     | 2517-03462        | 00000/0000                   | 2-20027/0065               | 06/22/76         | 80                  | 7201            | 54.7         | 132.1        | GGGG                               |                     |                      | 150                   | 24                   |
| 09554E                      | 2139N |     | 2672-03100        | 00000/0000                   | 2-20037/0167               | 11/24/76         | 40                  | 9362            | 36.8         | 140.2        | GGGG                               |                     |                      | 150                   | 24                   |
| 09554E                      | 1551N |     | 2365-03150        | 00000/0000                   | 2-20019/0179               | 01/22/76         | 10                  | 5081            | 38.2         | 132.4        | GGGG                               |                     |                      | 143                   | 45                   |
| 09553E                      | 5419N |     | 2536-03505        | 00000/0000                   | 2-20028/1184               | 07/11/76         | 10                  | 7466            | 51.7         | 136.2        | GGGF                               |                     |                      | 142                   | 49                   |
| 09552E                      | 5847N |     | 2448-04032        | 00000/0000                   | 2-20023/0143               | 04/14/76         | 0                   | 6239            | 37.6         | 150.5        | FFFF                               |                     |                      | 151                   | 22                   |
| 09552E                      | 1549N |     | 2401-03141        | 00000/0000                   | 2-20021/0754               | 02/27/76         | 10                  | 5583            | 44.5         | 119.9        | GGGG                               |                     |                      | 153                   | 19                   |
| 09550E                      | 3148N |     | 2710-03170        | 00000/0000                   | 2-20038/0428               | 01/01/77         | 10                  | 9892            | 25.4         | 143.5        | GGFG                               |                     |                      | 142                   | 49                   |
| 09550E                      | 3146N |     | 2692-03175        | 00000/0000                   | 2-20037/0785               | 12/14/76         | 0                   | 9641            | 26.4         | 145.7        | GGGG                               |                     |                      | 145                   | 38                   |
| 09549E                      | 4437N |     | 2695-03311        | 00000/0000                   | 2-20038/0006               | 12/17/76         | 0                   | 9683            | 16.5         | 151.1        | FFFF                               |                     |                      | 145                   | 38                   |
| 09549E                      | 3145N |     | 2728-03162        | 00000/0000                   | 2-20039/0110               | 01/19/77         | 30                  | 143             | 26.6         | 140.1        | GGGG                               |                     |                      | 148                   | 29                   |
| 09548E                      | 3144N |     | 2674-03183        | 00000/0000                   | 2-20036/1528               | 11/26/76         | 30                  | 9390            | 29.4         | 146.1        | GGGF                               |                     |                      | 145                   | 38                   |
| 09547E                      | 3609N |     | 2459-03293        | 00000/0000                   | 2-20024/0546               | 04/25/76         | 0                   | 6392            | 53.8         | 121.2        | GGGG                               |                     |                      | 145                   | 38                   |
| 09546E                      | 5844N |     | 2466-04025        | 00000/0000                   | 2-20024/1125               | 05/02/76         | 10                  | 6490            | 43.5         | 149.3        | GGGG                               |                     |                      | 146                   | 35                   |
| 09545E                      | 5845N |     | 2574-03595        | 00000/0000                   | 2-20030/1490               | 08/18/76         | 70                  | 7996            | 40.6         | 147.0        | GGGG                               |                     |                      | 153                   | 19                   |
| 09545E                      | 4432N |     | 2677-03315        | 00000/0000                   | 2-20036/1475               | 11/29/76         | 0                   | 9432            | 19.1         | 152.2        | FGGG                               |                     |                      | 153                   | 19                   |
| 09545E                      | 3608N |     | 2441-03300        | 00000/0000                   | 2-20022/1477               | 04/07/76         | 90                  | 6141            | 48.5         | 127.0        | GGGG                               |                     |                      | 148                   | 29                   |
| 09544E                      | 4429N |     | 2659-03324        | 00000/0000                   | 2-20036/0294               | 11/11/76         | 0                   | 9181            | 23.3         | 151.8        | FFFF                               |                     |                      | 146                   | 35                   |
| 09544E                      | 4024N |     | 2450-03340        | 00000/0000                   | 2-20024/1152               | 04/26/76         | 10                  | 6406            | 52.4         | 126.4        | GGGG                               |                     |                      | 148                   | 29                   |
| 09543E                      | 5844N |     | 2592-03592        | 00000/0000                   | 2-20032/0746               | 09/05/76         | 90                  | 8247            | 34.9         | 150.5        | GGGG                               |                     |                      | 147                   | 32                   |
| 09543E                      | 4023N |     | 2442-03343        | 00000/0000                   | 2-20022/1695               | 04/08/76         | 10                  | 6155            | 46.8         | 131.7        | GGGG                               |                     |                      | 153                   | 19                   |
|                             |       |     |                   |                              |                            |                  |                     |                 |              |              |                                    |                     |                      | 147                   | 32                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09542E 3559N                            | 2531-03274        | 00000/0000 2-20028/0740                            | 07/06/76         | 90                  | 7396            | 58.1         | 105.4        |                                    |                     |                      |                       |                      |
| 09541E 4023N                            | 2712-03260        | 00000/0000 2-20038/0612                            | 01/03/77         | 30                  | 9920            | 19.3         | 147.0        | GGGG                               |                     |                      | 146                   | 35                   |
| 09541E 4019N                            | 2694-03264        | 00000/0000 2-20037/0957                            | 12/16/76         | 0                   | 9669            | 19.9         | 149.3        | GGGG                               |                     |                      | 147                   | 32                   |
| 09541E 3606N                            | 2711-03217        | 00000/0000 2-20038/0527                            | 01/02/77         | 10                  | 9906            | 22.4         | 145.3        | GGGG                               |                     |                      | 147                   | 32                   |
| 09541E 3602N                            | 2693-03221        | 00000/0000 2-20037/0887                            | 12/15/76         | 10                  | 9655            | 23.2         | 147.6        | FGFG                               |                     |                      | 146                   | 35                   |
| 09540E 3555N                            | 2657-03234        | 00000/0000 2-20036/0118                            | 11/09/76         | 20                  | 9153            | 30.3         | 147.1        | GGGG                               |                     |                      | 146                   | 35                   |
| 09539E 3603N                            | 2729-03205        | 00000/0000 2-20040/0006                            | 01/20/77         | 40                  | 157             | 23.9         | 142.1        | GGGG                               |                     |                      | 146                   | 35                   |
| 09539E 3554N                            | 2513-03281        | 00000/0000 2-20026/1756                            | 06/18/76         | 90                  | 7145            | 59.3         | 105.1        | GGGG                               |                     |                      | 146                   | 35                   |
| 09538E 5840N                            | 2610-03585        | 00000/0000 2-20032/1700                            | 09/23/76         | 90                  | 8498            | 28.6         | 154.0        | GGGG                               |                     |                      | 146                   | 35                   |
| 09538E 5832N                            | 2502-04015        | 00000/0000 2-20026/0907                            | 06/07/76         | 40                  | 6992            | 50.5         | 144.8        | GGGG                               |                     |                      | 153                   | 19                   |
| 09538E 4021N                            | 2730-03252        | 00000/0000 2-20039/0885                            | 01/21/77         | 0                   | 171             | 21.1         | 143.9        | GGGG                               |                     |                      | 153                   | 19                   |
| 09538E 4020N                            | 2604-03300        | 00000/0000 2-20032/0889                            | 09/17/76         | 10                  | 8414            | 43.0         | 136.2        | FFFF                               |                     |                      | 147                   | 32                   |
| 09538E 4016N                            | 2424-03350        | 00000/0000 2-20022/0351                            | 03/21/76         | 0                   | 5904            | 40.4         | 135.5        | P                                  |                     |                      | 147                   | 32                   |
| 09538E 3559N                            | 2675-03230        | 00000/0000 2-20034/1295                            | 11/27/76         | 30                  | 9404            | 26.0         | 148.3        | GGGG                               |                     |                      | 147                   | 32                   |
| 09538E 2601N                            | 2727-03122        | 00000/0000 2-20038/1424                            | 01/18/77         | 30                  | 129             | 30.1         | 137.3        | GGGG                               |                     |                      | 146                   | 35                   |
| 09538E 2600N                            | 2691-03135        | 00000/0000 2-20037/0743                            | 12/13/76         | 40                  | 9627            | 30.6         | 142.9        | FGGG                               |                     |                      | 144                   | 42                   |
| 09537E 4013N                            | 2676-03273        | 00000/0000 2-20036/1408                            | 11/28/76         | 0                   | 9418            | 22.6         | 150.3        | GGGG                               |                     |                      | 144                   | 42                   |
| 09537E 4010N                            | 2658-03281        | 00000/0000 2-20036/0155                            | 11/10/76         | 10                  | 9167            | 26.9         | 149.5        | FFFF                               |                     |                      | 147                   | 32                   |
| 09536E 3554N                            | 2405-03311        | 00000/0000 2-20021/0972                            | 03/02/76         | 10                  | 5639            | 36.0         | 135.9        | GGGG                               |                     |                      | 147                   | 32                   |
| 09536E 2557N                            | 2673-03143        | 00000/0000 2-20036/1255                            | 11/25/76         | 90                  | 9376            | 33.7         | 142.9        | GGGG                               |                     |                      | 146                   | 35                   |
| 09535E 4013N                            | 2622-03293        | 00000/0000 2-20034/0423                            | 10/05/76         | 0                   | 8665            | 37.7         | 142.3        | GGGG                               |                     |                      | 144                   | 42                   |
| 09534E 5829N                            | 2538-04010        | 00000/0000 2-20028/1824                            | 07/13/76         | 40                  | 7494            | 49.0         | 142.6        | FGGP                               |                     |                      | 147                   | 32                   |
| 09533E 4010N                            | 2640-03285        | 00000/0000 2-20034/1022                            | 10/23/76         | 0                   | 8916            | 32.1         | 146.8        | GGFF                               |                     |                      | 153                   | 19                   |
| 09531E 5827N                            | 2520-04013        | 00000/0000 2-20027/0485                            | 06/25/76         | 80                  | 7243            | 50.8         | 142.9        | GFFG                               |                     |                      | 147                   | 32                   |
| 09531E 4727N                            | 2696-03360        | 00000/0000 2-20038/0045                            | 12/18/76         | 90                  | 9697            | 14.3         | 152.1        | FGGG                               |                     |                      | 153                   | 19                   |
| 09530E 5559N                            | 2465-03575        | 00000/0000 2-20024/0817                            | 05/01/76         | 10                  | 6476            | 45.1         | 145.9        | FGGG                               |                     |                      | 149                   | 27                   |
| 09524E 7935N                            | 2444-06595        | 00000/0000 2-20022/1824                            | 04/10/76         | 0                   | 6185            | 17.8         | 201.2        | GGGG                               |                     |                      | 152                   | 21                   |
| 09526E 4721N                            | 2678-03364        | 00000/0000 2-20036/1593                            | 11/30/76         | 0                   | 9446            | 16.7         | 153.4        | GGGG                               |                     |                      | 184                   | 2                    |
| 09526E 3020N                            | 2692-03181        | 00000/0000 2-20037/0786                            | 12/14/76         | 10                  | 9641            | 27.5         | 145.0        | PGGF                               |                     |                      | 149                   | 27                   |
| 09525E 3022N                            | 2710-03173        | 00000/0000 2-20038/0429                            | 01/01/77         | 10                  | 9892            | 26.4         | 142.8        | GGGG                               |                     |                      | 145                   | 39                   |
| 09524E 5559N                            | 2591-03543        | 00000/0000 2-20032/0613                            | 09/04/76         | 90                  | 8233            | 37.1         | 147.5        | GGBG                               |                     |                      | 145                   | 39                   |
| 09524E 3019N                            | 2728-03165        | 00000/0000 2-20039/0111                            | 01/19/77         | 30                  | 143             | 27.5         | 139.4        | GGGG                               |                     |                      | 152                   | 21                   |
| 09523E 5556N                            | 2573-03550        | 00000/0000 2-20030/1644                            | 08/17/76         | 90                  | 7982            | 42.7         | 143.5        | GGGG                               |                     |                      | 145                   | 39                   |
| 09523E 3018N                            | 2674-03190        | 00000/0000 2-20034/1529                            | 11/26/76         | 80                  | 9390            | 30.4         | 145.4        | GGGG                               |                     |                      | 152                   | 21                   |
| 09522E 5308N                            | 2464-03530        | 00000/0000 2-20024/0759                            | 04/30/76         | 50                  | 6462            | 46.7         | 142.5        | GGGG                               |                     |                      | 145                   | 39                   |
|                                         |                   |                                                    |                  |                     |                 |              |              | GGGG                               |                     |                      | 151                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09519E 5546N                            | 2501-03570        | 00000/0000                   | 2-20026/0850                | 06/06/76         | 90                  | 6978            | 52.1         | 140.7        | GGGG                               |                     |                      | 152                   | 21                   |
| 09519E 5308N                            | 2572-03501        | 00000/0000                   | 2-20030/1416                | 08/16/76         | 10                  | 7968            | 44.7         | 139.9        | FGGG                               |                     |                      | 151                   | 23                   |
| 09518E 5549N                            | 2555-03553        | 00000/0000                   | 2-20030/0408                | 07/30/76         | 20                  | 7731            | 47.4         | 140.1        | GGGG                               |                     |                      | 152                   | 21                   |
| 09517E 4313N                            | 2713-03305        | 00000/0000                   | 2-20038/1105                | 01/04/77         | 10                  | 9934            | 17.3         | 148.1        | FF                                 |                     |                      | 148                   | 30                   |
| 09516E 5311N                            | 2590-03494        | 00000/0000                   | 2-20032/0585                | 09/03/76         | 70                  | 8219            | 39.3         | 144.4        | GGGG                               |                     |                      | 151                   | 23                   |
| 09516E 4312N                            | 2655-03313        | 00000/0000                   | 2-20038/0007                | 12/17/76         | 10                  | 9683            | 17.6         | 150.4        | GGGG                               |                     |                      | 148                   | 30                   |
| 09516E 4312N                            | 2731-03301        | 00000/0000                   | 2-20039/0148                | 01/22/77         | 10                  | 185             | 19.3         | 145.1        | PFFF                               |                     |                      | 148                   | 30                   |
| 09515E 5541N                            | 2519-03563        | 00000/0000                   | 2-20028/0111                | 06/24/76         | 60                  | 7229            | 52.5         | 138.6        | FGGG                               |                     |                      | 152                   | 21                   |
| 09515E 3858N                            | 2460-03342        | 00000/0000                   | 2-20024/1153                | 04/26/76         | 80                  | 6406            | 53.0         | 125.0        | GGGG                               |                     |                      | 147                   | 33                   |
| 09515E 3436N                            | 2693-03224        | 00000/0000                   | 2-20037/0888                | 12/15/76         | 60                  | 9655            | 24.2         | 146.9        | GGGG                               |                     |                      | 146                   | 36                   |
| 09515E 2435N                            | 2727-03124        | 00000/0000                   | 2-20038/1425                | 01/18/77         | 20                  | 129             | 31.0         | 136.5        | GFGG                               |                     |                      | 144                   | 43                   |
| 09515E 2434N                            | 2691-03141        | 00000/0000                   | 2-20037/0744                | 12/13/76         | 40                  | 9627            | 31.6         | 142.1        | GGFG                               |                     |                      | 144                   | 43                   |
| 09514E 3857N                            | 2442-03345        | 00000/0000                   | 2-20027/1696                | 04/08/76         | 20                  | 6155            | 47.5         | 130.0        | GGGG                               |                     |                      | 147                   | 33                   |
| 09514E 3440N                            | 2711-03215        | 00000/0000                   | 2-20038/0528                | 01/02/77         | 0                   | 9906            | 23.4         | 144.7        | GGGG                               |                     |                      | 146                   | 36                   |
| 09514E 3429N                            | 2657-03241        | 00000/0000                   | 2-20036/0119                | 11/09/76         | 10                  | 9153            | 31.4         | 146.3        | GGGG                               |                     |                      | 146                   | 36                   |
| 09513E 5542N                            | 2537-03560        | 00000/0000                   | 2-20028/1290                | 07/12/76         | 90                  | 7480            | 50.8         | 138.4        | GFGG                               |                     |                      | 152                   | 21                   |
| 09513E 4307N                            | 2677-03322        | 00000/0000                   | 2-20036/1476                | 11/29/76         | 0                   | 9432            | 20.2         | 151.6        | GGGG                               |                     |                      | 148                   | 30                   |
| 09513E 2431N                            | 2673-03150        | 00000/0000                   | 2-20036/1256                | 11/25/76         | 80                  | 9376            | 34.7         | 142.1        | GGGG                               |                     |                      | 144                   | 43                   |
| 09512E 5301N                            | 2554-03504        | 00000/0000                   | 2-20030/0327                | 07/29/76         | 90                  | 7717            | 49.2         | 136.2        | GGGG                               |                     |                      | 151                   | 23                   |
| 09512E 4304N                            | 2659-03330        | 00000/0000                   | 2-20036/0295                | 11/11/76         | 10                  | 9181            | 24.4         | 151.1        | GGGG                               |                     |                      | 148                   | 30                   |
| 09512E 3857N                            | 2712-03262        | 00000/0000                   | 2-20038/0613                | 01/03/77         | 20                  | 9920            | 20.4         | 146.4        | GFGG                               |                     |                      | 147                   | 33                   |
| 09512E 3438N                            | 2729-03211        | 00000/0000                   | 2-20040/0007                | 01/20/77         | 70                  | 157             | 24.8         | 141.4        | PGGP                               |                     |                      | 146                   | 36                   |
| 09512E 3433N                            | 2675-03232        | 00000/0000                   | 2-20036/1296                | 11/27/76         | 10                  | 9404            | 27.1         | 147.6        | GGGG                               |                     |                      | 146                   | 36                   |
| 09511E 5255N                            | 2518-03514        | 00000/0000                   | 2-20027/0374                | 06/23/76         | 60                  | 7215            | 54.0         | 134.3        | FGGF                               |                     |                      | 151                   | 23                   |
| 09511E 3853N                            | 2694-03271        | 00000/0000                   | 2-20037/0958                | 12/16/76         | 20                  | 9669            | 21.0         | 148.7        | GGGG                               |                     |                      | 147                   | 33                   |
| 09509E 5255N                            | 2536-03511        | 00000/0000                   | 2-20028/1185                | 07/11/76         | 0                   | 7466            | 52.4         | 134.1        | FFGF                               |                     |                      | 151                   | 23                   |
| 09509E 3855N                            | 2730-03254        | 00000/0000                   | 2-20039/0886                | 01/21/77         | 0                   | 171             | 22.1         | 143.2        | FGGG                               |                     |                      | 147                   | 33                   |
| 09508E 3848N                            | 2676-03275        | 00000/0000                   | 2-20036/1409                | 11/28/76         | 0                   | 9418            | 23.7         | 149.6        | PFFF                               |                     |                      | 147                   | 33                   |
| 09501E 2857N                            | 2710-03175        | 00000/0000                   | 2-20038/0430                | 01/01/77         | 10                  | 9892            | 27.4         | 142.1        | GGGG                               |                     |                      | 145                   | 40                   |
| 09501E 2854N                            | 2692-03144        | 00000/0000                   | 2-20037/0787                | 12/14/76         | 20                  | 9641            | 28.5         | 144.3        | GGGG                               |                     |                      | 145                   | 40                   |
| 09500E 2853N                            | 2728-03171        | 00000/0000                   | 2-20039/0112                | 01/19/77         | 20                  | 143             | 28.4         | 138.6        | GGGG                               |                     |                      | 145                   | 40                   |
| 09458E 2852N                            | 2674-03192        | 00000/0000                   | 2-20036/1530                | 11/26/76         | 90                  | 9390            | 31.4         | 144.6        | GGGG                               |                     |                      | 145                   | 40                   |
| 09457E 5724N                            | 2448-04034        | 00000/0000                   | 2-20023/0144                | 04/14/76         | 0                   | 6239            | 38.5         | 149.0        | GGGG                               |                     |                      | 153                   | 20                   |
| 09457E 4604N                            | 2714-03354        | 00000/0000                   | 2-20038/0773                | 01/05/77         | 0                   | 9948            | 15.3         | 149.2        | GFGG                               |                     |                      | 149                   | 28                   |
| 09456E 4602N                            | 2696-03362        | 00000/0000                   | 2-20038/0046                | 12/18/76         | 60                  | 9697            | 15.4         | 151.5        | FFGG                               |                     |                      | 149                   | 28                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0833

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RALI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09453E 2308N                            | 2691-03144        | 00000/0000                   | 2-20037/0745                | 12/13/76         | 30                  | 9627            | 32.6         | 141.3        | GGGG                               |                     |                      | 144                   | 44                   |
| 09452E 5721N                            | 2466-04031        | 00000/0000                   | 2-20024/1126                | 05/02/76         | 0                   | 6490            | 44.5         | 147.5        | GGGG                               |                     |                      | 153                   | 20                   |
| 09452E 4552N                            | 2660-03375        | 00000/0000                   | 2-20036/0336                | 11/12/76         | 0                   | 9195            | 22.0         | 152.6        | GFFG                               |                     |                      | 149                   | 28                   |
| 09452E 2308N                            | 2727-03131        | 00000/0000                   | 2-20038/1426                | 01/18/77         | 10                  | 129             | 31.8         | 135.7        | FGGF                               |                     |                      | 144                   | 44                   |
| 09451E 4556N                            | 2678-03371        | 00000/0000                   | 2-20036/1594                | 11/30/76         | 0                   | 9446            | 17.8         | 152.8        | FFGG                               |                     |                      | 149                   | 28                   |
| 09450E 5722N                            | 2574-04002        | 00000/0000                   | 2-20030/1491                | 08/18/76         | 80                  | 7996            | 41.5         | 145.4        | GFGG                               |                     |                      | 153                   | 20                   |
| 09450E 2305N                            | 2673-03152        | 00000/0000                   | 2-20036/1257                | 11/25/76         | 80                  | 9376            | 35.6         | 141.2        | GGGG                               |                     |                      | 144                   | 44                   |
| 09449E 5720N                            | 2592-03595        | 00000/0000                   | 2-20032/0747                | 09/05/76         | 70                  | 8247            | 35.9         | 149.1        | FGFG                               |                     |                      | 153                   | 20                   |
| 09449E 3310N                            | 2693-03230        | 00000/0000                   | 2-20037/0889                | 12/15/76         | 30                  | 9655            | 25.3         | 146.3        | GGGG                               |                     |                      | 146                   | 37                   |
| 09448E 3313N                            | 2711-03222        | 00000/0000                   | 2-20038/0529                | 01/02/77         | 10                  | 9906            | 24.4         | 144.0        | GGGG                               |                     |                      | 146                   | 37                   |
| 09448E 3304N                            | 2657-03243        | 00000/0000                   | 2-20036/0120                | 11/09/76         | 10                  | 9153            | 32.4         | 145.5        | FFFF                               |                     |                      | 146                   | 37                   |
| 09446E 3732N                            | 2442-03352        | 00000/0000                   | 2-20022/1697                | 04/08/76         | 20                  | 6155            | 48.2         | 128.4        | GGGG                               |                     |                      | 147                   | 34                   |
| 09446E 3732N                            | 2460-03345        | 00000/0000                   | 2-20024/1154                | 04/26/76         | 30                  | 6406            | 53.5         | 122.9        | GGGG                               |                     |                      | 147                   | 34                   |
| 09446E 3311N                            | 2729-03214        | 00000/0000                   | 2-20040/0008                | 01/20/77         | 90                  | 157             | 25.8         | 140.6        | GGGG                               |                     |                      | 146                   | 37                   |
| 09445E 5714N                            | 2556-04005        | 00000/0000                   | 2-20030/0386                | 07/31/76         | 40                  | 7745            | 46.3         | 142.2        | GGGG                               |                     |                      | 153                   | 20                   |
| 09445E 4148N                            | 2713-03311        | 00000/0000                   | 2-20035/1106                | 01/04/77         | 0                   | 9934            | 18.3         | 147.5        | FFG                                |                     |                      | 148                   | 31                   |
| 09445E 4147N                            | 2695-03320        | 00000/0000                   | 2-20038/0008                | 12/17/76         | 10                  | 9683            | 18.7         | 149.8        | GGGG                               |                     |                      | 148                   | 31                   |
| 09445E 3307N                            | 2675-03235        | 00000/0000                   | 2-20036/1297                | 11/27/76         | 10                  | 9404            | 28.1         | 146.9        | GGGG                               |                     |                      | 146                   | 37                   |
| 09444E 5716N                            | 2610-03592        | 00000/0000                   | 2-20032/1701                | 09/23/76         | 80                  | 8498            | 29.6         | 152.8        | GGGG                               |                     |                      | 153                   | 20                   |
| 09444E 5709N                            | 2502-04022        | 00000/0000                   | 2-20026/0906                | 06/07/76         | 10                  | 6992            | 51.4         | 142.7        | FGGF                               |                     |                      | 153                   | 20                   |
| 09444E 4146N                            | 2731-03303        | 00000/0000                   | 2-20039/0149                | 01/22/77         | 0                   | 185             | 20.3         | 144.4        | FGGF                               |                     |                      | 148                   | 31                   |
| 09443E 4852N                            | 2697-03412        | 00000/0000                   | 2-20035/0279                | 12/19/76         | 80                  | 9711            | 13.1         | 152.6        | GFFF                               |                     |                      | 150                   | 26                   |
| 09443E 3731N                            | 2712-03265        | 00000/0000                   | 2-20038/0614                | 01/03/77         | 40                  | 9920            | 21.4         | 145.8        | GGFG                               |                     |                      | 147                   | 34                   |
| 09443E 3728N                            | 2694-03273        | 00000/0000                   | 2-20037/0959                | 12/16/76         | 30                  | 9669            | 22.1         | 148.1        | GGFG                               |                     |                      | 147                   | 34                   |
| 09443E 3723N                            | 2532-03330        | 00000/0000                   | 2-20028/0836                | 07/07/76         | 10                  | 7410            | 57.9         | 108.0        | GGGG                               |                     |                      | 147                   | 34                   |
| 09443E 0425N                            | 2454-03101        | 00000/0000                   | 2-20024/0059                | 04/20/76         | 40                  | 6322            | 52.3         | 76.8         | GGGG                               |                     |                      | 141                   | 57                   |
| 09442E 5434N                            | 2465-03582        | 00000/0000                   | 2-20024/0818                | 05/01/76         | 40                  | 6476            | 46.0         | 144.2        | GGGG                               |                     |                      | 152                   | 22                   |
| 09442E 4854N                            | 2715-03403        | 00000/0000                   | 2-20038/0823                | 01/06/77         | 70                  | 9962            | 13.2         | 150.3        | FF FF                              |                     |                      | 150                   | 26                   |
| 09442E 4142N                            | 2677-03324        | 00000/0000                   | 2-20036/1477                | 11/29/76         | 0                   | 9432            | 21.3         | 150.9        | FGGG                               |                     |                      | 148                   | 31                   |
| 09442E 0421N                            | 2436-03104        | 00000/0000                   | 2-20022/1288                | 04/02/76         | 50                  | 6071            | 51.6         | 87.5         | GGGG                               |                     |                      | 141                   | 57                   |
| 09441E 5707N                            | 2538-04012        | 00000/0000                   | 2-20028/1825                | 07/13/76         | 20                  | 7494            | 49.8         | 140.5        | FFFG                               |                     |                      | 153                   | 20                   |
| 09441E 4139N                            | 2659-03333        | 00000/0000                   | 2-20036/0296                | 11/11/76         | 10                  | 9181            | 25.5         | 150.4        | GGGG                               |                     |                      | 148                   | 31                   |
| 09441E 3729N                            | 2730-03261        | 00000/0000                   | 2-20039/0887                | 01/21/77         | 0                   | 171             | 23.1         | 142.5        | FGFF                               |                     |                      | 147                   | 34                   |
| 09441E 3725N                            | 2424-03355        | 00000/0000                   | 2-20022/0352                | 03/21/76         | 40                  | 5904            | 41.9         | 132.9        | FGGF                               |                     |                      | 147                   | 34                   |
| 09441E 3718N                            | 2514-03333        | 00000/0000                   | 2-20026/1875                | 06/19/76         | 90                  | 7159            | 59.2         | 107.6        | GGGG                               |                     |                      | 147                   | 34                   |

KEYS: CLOUD COVER % ..... 0 TO 100 \* % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBY MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 09440E                      | 3723N             | 2676-03282                              | 00000/0000       | 2-20036/1410        | 11/23/76        | 10           | 9418         | 24.8                  | 149.0               | FFFG                 | 147                   | 34                   |
| 09440E                      | 0419N             | 2418-03111                              | 00000/0000       | 2-20021/1656        | 03/15/76        | 10           | 5820         | 49.8                  | 98.5                | GGGG                 | 141                   | 57                   |
| 09439E                      | 5143N             | 2464-03533                              | 00000/0000       | 2-20024/0760        | 04/30/76        | 10           | 6462         | 47.5                  | 140.8               | GGGG                 | 151                   | 24                   |
| 09439E                      | 3720N             | 2656-03290                              | 00000/0000       | 2-20034/0156        | 11/10/76        | 10           | 9167         | 29.0                  | 148.0               | GGGG                 | 147                   | 34                   |
| 09439E                      | 1008N             | 2473-03134                              | 00000/0000       | 2-20024/1853        | 05/09/76        | 20           | 6587         | 54.4                  | 74.3                | GGGG                 | 142                   | 53                   |
| 09438E                      | 5704N             | 2520-04015                              | 00000/0000       | 2-20027/0486        | 06/25/76        | 90           | 7243         | 51.6                  | 140.7               | GGGG                 | 153                   | 20                   |
| 09438E                      | 4845N             | 2679-03420                              | 00000/0000       | 2-20036/1693        | 12/01/76        | 70           | 9460         | 15.4                  | 154.0               | FGGF                 | 150                   | 26                   |
| 09438E                      | 3721N             | 2406-03363                              | 00000/0000       | 2-20021/0993        | 03/03/76        | 10           | 5653         | 35.5                  | 136.8               | GGGG                 | 147                   | 34                   |
| 09438E                      | 1009N             | 2437-03144                              | 00000/0000       | 2-20027/1197        | 04/03/76        | 10           | 6085         | 52.6                  | 94.5                | GGGG                 | 142                   | 53                   |
| 09437E                      | 2730N             | 2710-03182                              | 00000/0000       | 2-20038/0431        | 01/01/77        | 10           | 9892         | 28.3                  | 141.4               | GGGG                 | 143                   | 41                   |
| 09437E                      | 2728N             | 2692-03190                              | 00000/0000       | 2-20037/0788        | 12/14/76        | 10           | 9641         | 29.5                  | 143.6               | GGGG                 | 145                   | 41                   |
| 09436E                      | 5435N             | 2591-03545                              | 00000/0000       | 2-20032/0614        | 09/04/76        | 80           | 8233         | 38.1                  | 146.0               | GGGG                 | 152                   | 22                   |
| 09436E                      | 5432N             | 2573-03552                              | 00000/0000       | 2-20030/1365        | 08/17/76        | 100          | 7982         | 43.6                  | 141.8               | GGGG                 | 152                   | 22                   |
| 09436E                      | 5144N             | 2572-03503                              | 00000/0000       | 2-20030/1417        | 08/16/76        | 10           | 7968         | 45.5                  | 138.2               | GGGG                 | 151                   | 24                   |
| 09436E                      | 2726N             | 2728-03174                              | 00000/0000       | 2-20039/0113        | 01/19/77        | 10           | 143          | 29.3                  | 137.9               | FGFG                 | 143                   | 41                   |
| 09436E                      | 2722N             | 2422-03272                              | 00000/0000       | 2-20027/0253        | 03/19/76        | 30           | 5876         | 46.0                  | 123.5               | FGGG                 | 143                   | 41                   |
| 09435E                      | 1007N             | 2419-03152                              | 00000/0000       | 2-20027/0177        | 03/16/76        | 30           | 5834         | 49.7                  | 104.9               | GGGG                 | 142                   | 53                   |
| 09434E                      | 2725N             | 2674-03195                              | 00000/0000       | 2-20036/1531        | 11/26/76        | 90           | 9390         | 32.5                  | 143.8               | GGGG                 | 145                   | 41                   |
| 09434E                      | 0412N             | 2382-03122                              | 00000/0000       | 2-20020/0932        | 02/03/76        | 70           | 5318         | 45.1                  | 116.6               | FFGF                 | 141                   | 57                   |
| 09433E                      | 5147N             | 2590-03500                              | 00000/0000       | 2-20032/0586        | 09/03/76        | 50           | 8219         | 40.3                  | 142.9               | GGGG                 | 151                   | 24                   |
| 09433E                      | 2722N             | 2656-03203                              | 00000/0000       | 2-20034/0640        | 11/08/76        | 60           | 9139         | 36.7                  | 141.8               | GGGG                 | 145                   | 41                   |
| 09433E                      | 2721N             | 2404-03280                              | 00000/0000       | 2-20021/0926        | 03/01/76        | 10           | 5625         | 40.3                  | 129.3               | GGGG                 | 145                   | 41                   |
| 09433E                      | 2720N             | 2368-03285                              | 00000/0000       | 2-20020/0328        | 01/25/76        | 90           | 5123         | 31.7                  | 139.0               | GGGG                 | 143                   | 41                   |
| 09432E                      | 2723N             | 2620-03215                              | 00000/0000       | 2-20034/0204        | 10/03/76        | 60           | 8637         | 45.9                  | 130.2               | GGGG                 | 145                   | 41                   |
| 09431E                      | 5425N             | 2555-03560                              | 00000/0000       | 2-20030/0409        | 07/30/76        | 50           | 7731         | 48.2                  | 138.2               | GGGG                 | 152                   | 22                   |
| 09431E                      | 2720N             | 2638-03211                              | 00000/0000       | 2-20034/0926        | 10/21/76        | 70           | 8888         | 41.4                  | 137.2               | GGGG                 | 143                   | 41                   |
| 09431E                      | 2718N             | 2386-03283                              | 00000/0000       | 2-20021/0092        | 02/12/76        | 20           | 5374         | 35.4                  | 134.4               | GGGF                 | 145                   | 41                   |
| 09431E                      | 2141N             | 2691-03150                              | 00000/0000       | 2-20037/0746        | 12/13/76        | 10           | 9627         | 33.6                  | 140.5               | GGGG                 | 144                   | 45                   |
| 09430E                      | 5137N             | 2554-03510                              | 00000/0000       | 2-20030/0328        | 07/29/76        | 60           | 7717         | 49.9                  | 134.2               | GGGG                 | 151                   | 24                   |
| 09430E                      | 2142N             | 2727-03133                              | 00000/0000       | 2-20038/1427        | 01/18/77        | 10           | 129          | 32.7                  | 134.8               | GGGF                 | 144                   | 45                   |
| 09429E                      | 5130N             | 2518-03521                              | 00000/0000       | 2-20027/0375        | 06/23/76        | 80           | 7215         | 54.7                  | 132.1               | FGGG                 | 151                   | 24                   |
| 09428E                      | 5417N             | 2519-03570                              | 00000/0000       | 2-20028/0112        | 06/24/76        | 90           | 7229         | 53.2                  | 136.4               | FGGG                 | 152                   | 22                   |
| 09428E                      | 2138N             | 2673-03155                              | 00000/0000       | 2-20036/1258        | 11/25/76        | 20           | 9376         | 36.6                  | 140.3               | GGGG                 | 144                   | 45                   |
| 09427E                      | 5131N             | 2536-03514                              | 00000/0000       | 2-20028/1186        | 07/11/76        | 10           | 7466         | 53.1                  | 132.0               | PPGF                 | 151                   | 24                   |
| 09427E                      | 0951N             | 2363-03152                              | 00000/0000       | 2-20020/1206        | 02/09/76        | 40           | 5332         | 43.3                  | 121.6               | GPFF                 | 142                   | 53                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | YCCRSFILM ROLL NO.<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|---------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09426E                                  | 54.18N            | 2537-03563                                        | 00000/0000       | 2-20024/1201        | 07/12/76        | 50           | 7480         | 51.5                               | 136.3               | FFGF                 | 152                   | 22                   |
| 09423E                                  | 44.39N            | 2214-03367                                        | 00000/0000       | 2-20038/0774        | 01/05/77        | 10           | 8948         | 16.3                               | 148.6               | GFG                  | 149                   | 29                   |
| 09423E                                  | 00.13N            | 00000-03224                                       | 00000/0000       | 2-20038/0830        | 01/02/77        | 10           | 9908         | 25.4                               | 143.4               | GGGG                 | 146                   | 38                   |
| 09423E                                  | 21.45N            | 00000-03223                                       | 00000/0000       | 2-20037/0890        | 12/15/76        | 10           | 9655         | 26.3                               | 145.6               | GGGG                 | 146                   | 38                   |
| 09423E                                  | 31.38N            | 00000-03220                                       | 00000/0000       | 2-20036/0121        | 11/09/76        | 40           | 9153         | 33.4                               | 144.6               | GGGG                 | 146                   | 38                   |
| 09422E                                  | 44.36N            | 00000-03215                                       | 00000/0000       | 2-20038/0047        | 12/18/76        | 20           | 9697         | 16.5                               | 150.9               | FGGG                 | 149                   | 29                   |
| 09422E                                  | 21.40N            | 00000-03200                                       | 00000/0000       | 2-20040/0009        | 01/20/77        | 70           | 157          | 26.7                               | 139.9               | GGGG                 | 146                   | 38                   |
| 09422E                                  | 00.13N            | 00000-03240                                       | 00000/0000       | 2-20036/1298        | 11/27/76        | 20           | 9404         | 29.2                               | 146.2               | GGGG                 | 146                   | 38                   |
| 09422E                                  | 21.40N            | 00000-03256                                       | 00000/0000       | 2-20024/0182        | 04/27/76        | 10           | 6420         | 52.6                               | 126.7               | GFGG                 | 148                   | 32                   |
| 09422E                                  | 44.36N            | 00000-03259                                       | 00000/0000       | 2-20036/1555        | 11/30/76        | 0            | 9446         | 18.9                               | 152.2               | FFGG                 | 149                   | 29                   |
| 09422E                                  | 21.40N            | 00000-03259                                       | 00000/0000       | 2-20036/0337        | 11/12/76        | 0            | 9195         | 23.1                               | 151.9               | GGGG                 | 149                   | 29                   |
| 09422E                                  | 00.13N            | 00000-03259                                       | 00000/0000       | 2-20022/1594        | 04/09/76        | 10           | 6169         | 47.1                               | 131.4               | GGGG                 | 148                   | 32                   |
| 09422E                                  | 21.40N            | 00000-03259                                       | 00000/0000       | 2-20022/1198        | 04/03/76        | 10           | 6085         | 52.4                               | 92.6                | GGGG                 | 142                   | 54                   |
| 09422E                                  | 44.36N            | 00000-03259                                       | 00000/0000       | 2-20024/1854        | 05/09/76        | 30           | 6587         | 53.7                               | 72.4                | GGGG                 | 142                   | 54                   |
| 09422E                                  | 21.40N            | 00000-03416                                       | 00000/0000       | 2-20022/0723        | 03/27/76        | 0            | 5989         | 17.0                               | 178.4               | GFGG                 | 171                   | 6                    |
| 09422E                                  | 00.13N            | 00000-03271                                       | 00000/0000       | 2-20038/0615        | 01/03/77        | 80           | 9920         | 22.4                               | 145.2               | GGGG                 | 147                   | 35                   |
| 09422E                                  | 21.40N            | 00000-03271                                       | 00000/0000       | 2-20038/1107        | 01/04/77        | 30           | 9934         | 19.4                               | 146.9               | FF                   | 148                   | 32                   |
| 09422E                                  | 44.36N            | 00000-03271                                       | 00000/0000       | 2-20032/0009        | 12/17/76        | 10           | 9683         | 19.8                               | 149.2               | FFGF                 | 148                   | 32                   |
| 09422E                                  | 21.40N            | 00000-03271                                       | 00000/0000       | 2-20037/0960        | 12/16/76        | 10           | 9669         | 23.1                               | 147.5               | GGGG                 | 147                   | 35                   |
| 09422E                                  | 44.36N            | 00000-03271                                       | 00000/0000       | 2-20022/0178        | 03/16/76        | 30           | 5834         | 49.8                               | 103.2               | FFFG                 | 142                   | 54                   |
| 09422E                                  | 21.40N            | 00000-03271                                       | 00000/0000       | 2-20022/1386        | 03/22/76        | 10           | 5918         | 40.7                               | 135.3               | GGGF                 | 148                   | 32                   |
| 09422E                                  | 44.36N            | 00000-03271                                       | 00000/0000       | 2-20037/0789        | 12/14/76        | 10           | 9641         | 30.5                               | 142.8               | GGGG                 | 145                   | 42                   |
| 09422E                                  | 21.40N            | 00000-03271                                       | 00000/0000       | 2-20039/0150        | 01/22/77        | 0            | 185          | 21.3                               | 143.7               | PPFG                 | 148                   | 32                   |
| 09422E                                  | 44.36N            | 00000-03271                                       | 00000/0000       | 2-20039/0888        | 01/21/77        | 10           | 171          | 24.0                               | 141.9               | FGGG                 | 147                   | 35                   |
| 09422E                                  | 21.40N            | 00000-03271                                       | 00000/0000       | 2-20038/0432        | 01/01/77        | 10           | 9892         | 29.3                               | 140.7               | GGGG                 | 145                   | 42                   |
| 09422E                                  | 44.36N            | 00000-03271                                       | 00000/0000       | 2-20039/0114        | 01/19/77        | 10           | 143          | 30.2                               | 137.1               | FGFG                 | 145                   | 42                   |
| 09422E                                  | 21.40N            | 00000-03271                                       | 00000/0000       | 2-20022/0254        | 03/19/76        | 20           | 5876         | 46.5                               | 121.9               | GGGG                 | 145                   | 42                   |
| 09422E                                  | 44.36N            | 00000-03271                                       | 00000/0000       | 2-20036/1478        | 11/29/76        | 0            | 9432         | 22.4                               | 150.3               | GGGG                 | 148                   | 32                   |
| 09422E                                  | 21.40N            | 00000-03271                                       | 00000/0000       | 2-20036/1411        | 11/28/76        | 0            | 9418         | 25.8                               | 148.3               | FGFG                 | 147                   | 35                   |
| 09422E                                  | 44.36N            | 00000-03271                                       | 00000/0000       | 2-20036/0157        | 11/10/76        | 20           | 9167         | 30.1                               | 147.2               | GGGG                 | 147                   | 35                   |
| 09422E                                  | 21.40N            | 00000-03271                                       | 00000/0000       | 2-20036/0297        | 11/11/76        | 10           | 9181         | 26.6                               | 149.6               | GGGG                 | 148                   | 32                   |
| 09422E                                  | 44.36N            | 00000-03271                                       | 00000/0000       | 2-20036/1532        | 11/26/76        | 80           | 9390         | 33.5                               | 143.0               | GGFG                 | 145                   | 42                   |
| 09422E                                  | 21.40N            | 00000-03271                                       | 00000/0000       | 2-20032/1448        | 09/18/76        | 20           | 8428         | 42.8                               | 136.6               | GGGG                 | 148                   | 32                   |
| 09422E                                  | 44.36N            | 00000-03271                                       | 00000/0000       | 2-20021/0927        | 03/01/76        | 10           | 5625         | 41.0                               | 128.1               | GGGG                 | 145                   | 42                   |
| 09422E                                  | 21.40N            | 00000-03271                                       | 00000/0000       | 2-20020/0329        | 01/25/76        | 90           | 5123         | 32.6                               | 138.1               | GGGG                 | 145                   | 42                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK, NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09409E                                  | 2015N             | 2727-03140                   | 00000/0000                  | 2-20038/1428     | 01/18/77            | 0               | 129          | 33.5         | 133.9                              | GGFG                |                      | 144                   | 46                   |
| 09409E                                  | 2013N             | 2691-03153                   | 00000/0000                  | 2-20037/0747     | 12/13/76            | 10              | 9627         | 34.5         | 139.7                              | GGGG                |                      | 144                   | 46                   |
| 09407E                                  | 4009N             | 2641-03343                   | 00000/0000                  | 2-20034/1127     | 10/24/76            | 0               | 8930         | 31.8         | 147.0                              | FFGG                |                      | 148                   | 32                   |
| 09406E                                  | 4729N             | 2715-03410                   | 00000/0000                  | 2-20038/0824     | 01/06/77            | 100             | 9962         | 14.3         | 149.6                              | FFGG                |                      | 150                   | 27                   |
| 09406E                                  | 4727N             | 2697-03414                   | 00000/0000                  | 2-20038/0280     | 12/19/76            | 70              | 9711         | 14.2         | 152.0                              | GGGG                |                      | 150                   | 27                   |
| 09406E                                  | 2012N             | 2673-03161                   | 00000/0000                  | 2-20036/1259     | 11/25/76            | 10              | 9376         | 37.5         | 139.4                              | GGGG                |                      | 144                   | 46                   |
| 09406E                                  | 0825N             | 2383-03165                   | 00000/0000                  | 2-20020/1207     | 02/09/76            | 40              | 5332         | 43.8         | 120.3                              | FFPF                |                      | 142                   | 54                   |
| 09404E                                  | 5600N             | 2448-04041                   | 00000/0000                  | 2-20023/0145     | 04/14/76            | 0               | 6239         | 39.5         | 147.5                              | GGGG                |                      | 153                   | 21                   |
| 09402E                                  | 4720N             | 2679-03423                   | 00000/0000                  | 2-20036/1694     | 12/01/76            | 80              | 9460         | 16.5         | 153.4                              | FGGF                |                      | 150                   | 27                   |
| 09400E                                  | 5557N             | 2466-04034                   | 00000/0000                  | 2-20024/1127     | 05/02/76            | 0               | 6490         | 45.4         | 145.8                              | GGGG                |                      | 153                   | 21                   |
| 09359E                                  | 5558N             | 2574-04004                   | 00000/0000                  | 2-20030/1492     | 08/18/76            | 90              | 7996         | 42.4         | 143.7                              | GFFG                |                      | 153                   | 21                   |
| 09359E                                  | 3019N             | 2693-03235                   | 00000/0000                  | 2-20037/0891     | 12/15/76            | 10              | 9055         | 27.4         | 144.9                              | GGGG                |                      | 146                   | 39                   |
| 09358E                                  | 5556N             | 2592-04001                   | 00000/0000                  | 2-20037/0748     | 09/05/76            | 10              | 8247         | 36.8         | 147.7                              | FFFG                |                      | 153                   | 21                   |
| 09358E                                  | 3021N             | 2711-03231                   | 00000/0000                  | 2-20034/0531     | 01/02/77            | 0               | 9306         | 26.4         | 142.7                              | GGGG                |                      | 146                   | 39                   |
| 09358E                                  | 3012N             | 2657-03252                   | 00000/0000                  | 2-20036/0122     | 11/09/76            | 40              | 9153         | 34.4         | 143.8                              | GGGG                |                      | 146                   | 39                   |
| 09358E                                  | 0716N             | 2473-03143                   | 00000/0000                  | 2-20024/1855     | 05/09/76            | 40              | 6587         | 53.1         | 70.7                               | GGGG                |                      | 142                   | 55                   |
| 09357E                                  | 0716N             | 2437-03153                   | 00000/0000                  | 2-20022/1199     | 04/03/76            | 10              | 6085         | 52.2         | 90.7                               | GGGG                |                      | 142                   | 55                   |
| 09356E                                  | 5310N             | 2465-03584                   | 00000/0000                  | 2-20024/0819     | 05/01/76            | 40              | 6476         | 46.9         | 142.4                              | GGGG                |                      | 152                   | 23                   |
| 09356E                                  | 3019N             | 2729-03223                   | 00000/0000                  | 2-20040/0010     | 01/20/77            | 60              | 157          | 27.6         | 139.2                              | GGGG                |                      | 146                   | 39                   |
| 09355E                                  | 3016N             | 2675-03244                   | 00000/0000                  | 2-20036/1299     | 11/27/76            | 60              | 9404         | 30.2         | 145.4                              | GGGG                |                      | 143                   | 51                   |
| 09355E                                  | 1305N             | 2456-03190                   | 00000/0000                  | 2-20024/0343     | 04/22/76            | 20              | 6350         | 55.0         | 87.3                               | GGGG                |                      | 142                   | 55                   |
| 09355E                                  | 0713N             | 2419-03161                   | 00000/0000                  | 2-20022/0179     | 03/16/76            | 20              | 5834         | 49.9         | 101.4                              | FGGG                |                      | 153                   | 21                   |
| 09353E                                  | 5552N             | 2610-03594                   | 00000/0000                  | 2-20032/1702     | 09/23/76            | 90              | 8498         | 30.7         | 151.6                              | FGGG                |                      | 153                   | 21                   |
| 09353E                                  | 5545N             | 2502-04024                   | 00000/0000                  | 2-20026/0909     | 06/07/76            | 10              | 6992         | 52.2         | 140.5                              | GGGG                |                      | 149                   | 30                   |
| 09353E                                  | 4313N             | 2444-03450                   | 00000/0000                  | 2-20022/1895     | 04/10/76            | 10              | 6183         | 46.0         | 134.4                              | GGGG                |                      | 149                   | 30                   |
| 09352E                                  | 4315N             | 2462-03443                   | 00000/0000                  | 2-20024/0713     | 04/28/76            | 0               | 6434         | 51.6         | 130.3                              | GGGG                |                      | 143                   | 51                   |
| 09352E                                  | 1301N             | 2492-03181                   | 00000/0000                  | 2-20026/0309     | 05/28/76            | 60              | 6852         | 54.8         | 71.1                               | GGGG                |                      | 153                   | 21                   |
| 09351E                                  | 5543N             | 2538-04015                   | 00000/0000                  | 2-20028/1826     | 07/13/76            | 20              | 7494         | 50.6         | 138.4                              | FFGG                |                      | 152                   | 23                   |
| 09351E                                  | 5308N             | 2573-03555                   | 00000/0000                  | 2-20030/1366     | 08/17/76            | 90              | 7982         | 44.4         | 140.1                              | GGGG                |                      | 145                   | 43                   |
| 09351E                                  | 2436N             | 2692-03195                   | 00000/0000                  | 2-20037/0790     | 12/14/76            | 10              | 9641         | 31.5         | 142.1                              | GGGG                |                      | 152                   | 23                   |
| 09350E                                  | 5310N             | 2591-03552                   | 00000/0000                  | 2-20032/0615     | 09/04/76            | 20              | 8233         | 39.0         | 144.6                              | GGGG                |                      | 149                   | 30                   |
| 09350E                                  | 4314N             | 2714-03363                   | 00000/0000                  | 2-20038/0775     | 01/05/77            | 20              | 9948         | 17.3         | 147.9                              | GGFG                |                      | 145                   | 43                   |
| 09350E                                  | 2438N             | 2710-03191                   | 00000/0000                  | 2-20034/0433     | 01/01/77            | 10              | 9892         | 30.2         | 139.9                              | GGGG                |                      | 145                   | 43                   |
| 09350E                                  | 2434N             | 2726-03183                   | 00000/0000                  | 2-20039/0115     | 01/19/77            | 10              | 143          | 31.1         | 136.3                              | FGGG                |                      | 145                   | 43                   |
| 09350E                                  | 2430N             | 2422-03281                   | 00000/0000                  | 2-20027/0255     | 03/19/76            | 20              | 5876         | 47.1         | 120.4                              | FGGG                |                      | 145                   | 43                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0937

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   |                              |                            |                  |                     |                 |              |              | RBV        |                     |                      |                       |                      |
| 09349E                      | 4311N | 2696-03371        | 00000/0000                   | 2-20038/0048               | 12/18/76         | 20                  | 9697            | 17.6         | 150.3        | FGGG       |                     |                      | 149                   | 30                   |
| 09349E                      | 4307N | 2426-03454        | 00000/0000                   | 2-20021/1808               | 03/23/76         | 20                  | 5932            | 39.5         | 137.7        | GGFG       |                     |                      | 149                   | 30                   |
| 09349E                      | 3440N | 2712-03274        | 00000/0000                   | 2-20032/0616               | 01/03/77         | 70                  | 9920            | 23.4         | 144.8        | GGGG       |                     |                      | 147                   | 36                   |
| 09349E                      | 1301N | 2420-03201        | 00000/0000                   | 2-20021/1709               | 03/17/76         | 10                  | 5848            | 49.5         | 107.9        | FGFF       |                     |                      | 143                   | 51                   |
| 09348E                      | 5541N | 2520-04022        | 00000/0000                   | 2-20027/0487               | 06/25/76         | 50                  | 7243            | 52.4         | 138.5        | GGGG       |                     |                      | 153                   | 21                   |
| 09348E                      | 3436N | 2694-03282        | 00000/0000                   | 2-20037/0961               | 12/16/76         | 10                  | 9669            | 24.2         | 146.8        | GGGG       |                     |                      | 147                   | 36                   |
| 09348E                      | 2432N | 2674-03204        | 00000/0000                   | 2-20036/1533               | 11/26/76         | 100                 | 9390            | 34.4         | 142.2        | GGGG       |                     |                      | 145                   | 43                   |
| 09347E                      | 3437N | 2730-03270        | 00000/0000                   | 2-20039/0889               | 01/21/77         | 10                  | 171             | 25.0         | 141.1        | FGGG       |                     |                      | 147                   | 36                   |
| 09347E                      | 2429N | 2404-03285        | 00000/0000                   | 2-20021/0928               | 03/01/76         | 10                  | 5625            | 41.7         | 126.9        | GGGG       |                     |                      | 145                   | 43                   |
| 09346E                      | 5300N | 2555-03562        | 00000/0000                   | 2-20030/0410               | 07/30/76         | 40                  | 7731            | 49.0         | 136.3        | GGGG       |                     |                      | 152                   | 23                   |
| 09346E                      | 4306N | 2678-03382        | 00000/0000                   | 2-20036/1596               | 11/30/76         | 0                   | 9446            | 20.0         | 151.5        | PPGG       |                     |                      | 149                   | 30                   |
| 09346E                      | 4302N | 2660-03384        | 00000/0000                   | 2-20036/0338               | 11/12/76         | 0                   | 9195            | 24.2         | 151.1        | FGFG       |                     |                      | 149                   | 30                   |
| 09346E                      | 3857N | 2713-03320        | 00000/0000                   | 2-20038/1108               | 01/04/77         | 30                  | 9934            | 20.4         | 146.3        | FGFG       |                     |                      | 148                   | 33                   |
| 09346E                      | 3856N | 2695-03325        | 00000/0000                   | 2-20038/0010               | 12/17/76         | 20                  | 9683            | 20.9         | 148.6        | FGGG       |                     |                      | 148                   | 33                   |
| 09346E                      | 3431N | 2676-03291        | 00000/0000                   | 2-20036/1412               | 11/28/76         | 30                  | 9418            | 26.9         | 147.6        | PPFF       |                     |                      | 147                   | 36                   |
| 09346E                      | 2427N | 2368-03294        | 00000/0000                   | 2-20020/0330               | 01/25/76         | 40                  | 5123            | 33.5         | 137.3        | GGGG       |                     |                      | 145                   | 43                   |
| 09346E                      | 0700N | 2383-03171        | 00000/0000                   | 2-20020/1208               | 02/09/76         | 40                  | 5332            | 44.3         | 128.9        | GFFG       |                     |                      | 142                   | 55                   |
| 09345E                      | 3429N | 2658-03295        | 00000/0000                   | 2-20036/0158               | 11/10/76         | 10                  | 9167            | 31.1         | 146.4        | GGGG       |                     |                      | 147                   | 36                   |
| 09344E                      | 5253N | 2519-03572        | 00000/0000                   | 2-20028/0113               | 06/24/76         | 90                  | 7229            | 54.0         | 134.2        | FFFF       |                     |                      | 152                   | 23                   |
| 09344E                      | 4306N | 2606-03404        | 00000/0000                   | 2-20034/0298               | 09/19/76         | 10                  | 8442            | 40.8         | 139.6        | GGGG       |                     |                      | 149                   | 30                   |
| 09344E                      | 3855N | 2731-03312        | 00000/0000                   | 2-20039/0151               | 01/22/77         | 10                  | 165             | 22.3         | 143.0        | PPFF       |                     |                      | 148                   | 33                   |
| 09343E                      | 4302N | 2624-03400        | 00000/0000                   | 2-20034/0413               | 10/07/76         | 90                  | 8693            | 35.2         | 145.0        | GGGG       |                     |                      | 149                   | 30                   |
| 09343E                      | 3851N | 2677-03333        | 00000/0000                   | 2-20036/1479               | 11/29/76         | 0                   | 9432            | 23.5         | 149.6        | GGGG       |                     |                      | 148                   | 33                   |
| 09343E                      | 3849N | 2659-03342        | 00000/0000                   | 2-20036/0298               | 11/11/76         | 10                  | 9181            | 27.7         | 148.9        | GGGG       |                     |                      | 148                   | 33                   |
| 09342E                      | 5255N | 2537-03565        | 00000/0000                   | 2-20028/1202               | 07/12/76         | 90                  | 7480            | 52.3         | 134.1        | FFGG       |                     |                      | 152                   | 23                   |
| 09342E                      | 4300N | 2642-03393        | 00000/0000                   | 2-20034/1133               | 10/25/76         | 10                  | 8944            | 29.4         | 148.9        | FGGG       |                     |                      | 149                   | 30                   |
| 09341E                      | 1244N | 2384-03211        | 00000/0000                   | 2-20020/1260               | 02/10/76         | 40                  | 5346            | 42.3         | 123.8        | FFFG       |                     |                      | 143                   | 51                   |
| 09338E                      | 0549N | 2473-03145        | 00000/0000                   | 2-20024/1856               | 05/09/76         | 40                  | 6587            | 52.3         | 69.0         | GGGG       |                     |                      | 142                   | 56                   |
| 09337E                      | 0549N | 2437-03160        | 00000/0000                   | 2-20022/1200               | 04/03/76         | 10                  | 6085            | 52.0         | 88.8         | GGG        |                     |                      | 142                   | 56                   |
| 09335E                      | 1138N | 2456-03193        | 00000/0000                   | 2-20024/0344               | 04/22/76         | 20                  | 6350            | 54.6         | 85.2         | GGGG       |                     |                      | 143                   | 52                   |
| 09334E                      | 2855N | 2711-03233        | 00000/0000                   | 2-20038/0532               | 01/02/77         | 10                  | 9906            | 27.4         | 142.0        | GGGG       |                     |                      | 146                   | 40                   |
| 09334E                      | 2853N | 2693-03242        | 00000/0000                   | 2-20037/0892               | 12/15/76         | 10                  | 9655            | 28.4         | 144.2        | GGGG       |                     |                      | 146                   | 40                   |
| 09334E                      | 2846N | 2657-03255        | 00000/0000                   | 2-20036/0123               | 11/09/76         | 30                  | 9153            | 35.4         | 142.9        | GGGG       |                     |                      | 146                   | 40                   |
| 09334E                      | 0546N | 2419-03167        | 00000/0000                   | 2-20022/0180               | 03/16/76         | 30                  | 5834            | 49.9         | 99.6         | GGG        |                     |                      | 142                   | 56                   |
| 09332E                      | 2853N | 2729-03225        | 00000/0000                   | 2-20040/0011               | 01/20/77         | 50                  | 157             | 28.5         | 138.4        | GGGG       |                     |                      | 146                   | 40                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR MSN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0838

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09331E 4604N                            | 2715-03412        | 00000/0000                   | 2-20038/0825                | 01/06/77         | 80                  | 9962            | 15.3         | 143.0        |                                    |                     |                      |                       |                      |
| 09331E 4601N                            | 2697-03421        | 00000/0000                   | 2-20038/0831                | 12/19/76         | 60                  | 9711            | 15.3         | 151.4        | FGGG                               |                     |                      | 150                   | 28                   |
| 09331E 2850N                            | 2675-03250        | 00000/0000                   | 2-20036/1300                | 11/27/76         | 70                  | 9404            | 31.2         | 144.6        | GGGG                               |                     |                      | 150                   | 28                   |
| 09331E 1722N                            | 2457-03233        | 00000/0000                   | 2-20024/0418                | 04/23/76         | 30                  | 6364            | 55.8         | 93.2         | GGGG                               |                     |                      | 146                   | 40                   |
| 09331E 1135N                            | 2492-03183        | 00000/0000                   | 2-20026/0310                | 05/28/76         | 40                  | 6852            | 54.1         | 69.3         | FGGG                               |                     |                      | 144                   | 48                   |
| 09331E 0546N                            | 2401-03170        | 00000/0000                   | 2-20021/0755                | 02/27/76         | 50                  | 5583            | 47.2         | 109.4        | FGGG                               |                     |                      | 143                   | 52                   |
| 09330E 2311N                            | 2440-03280        | 00000/0000                   | 2-20022/1370                | 04/06/76         | 10                  | 6127            | 52.4         | 110.8        | GGG                                |                     |                      | 142                   | 56                   |
| 09329E 1723N                            | 2439-03240        | 00000/0000                   | 2-20022/1331                | 04/05/76         | 10                  | 6113            | 52.9         | 103.3        | GFGG                               |                     |                      | 145                   | 44                   |
| 09329E 1134N                            | 2420-03203        | 00000/0000                   | 2-20021/1710                | 03/17/76         | 10                  | 5848            | 49.7         | 106.2        | GGGG                               |                     |                      | 144                   | 48                   |
| 09328E 2724N                            | 2467-04085        | 00000/0000                   | 2-20024/1580                | 05/03/76         | 50                  | 6504            | 44.7         | 147.5        | GFFF                               |                     |                      | 143                   | 52                   |
| 09328E 2311N                            | 2710-03193        | 00000/0000                   | 2-20038/0434                | 01/01/77         | 10                  | 9892            | 31.2         | 139.2        | GGGG                               |                     |                      | 154                   | 20                   |
| 09328E 2309N                            | 2692-03202        | 00000/0000                   | 2-20037/0791                | 12/14/76         | 20                  | 9641            | 32.5         | 141.3        | GGGG                               |                     |                      | 145                   | 44                   |
| 09327E 4555N                            | 2679-03425        | 00000/0000                   | 2-20036/1695                | 12/01/76         | 30                  | 9460            | 17.6         | 152.8        | GGGG                               |                     |                      | 143                   | 44                   |
| 09327E 2307N                            | 2728-03185        | 00000/0000                   | 2-20039/0116                | 01/19/77         | 30                  | 143             | 31.9         | 135.4        | GFGF                               |                     |                      | 150                   | 28                   |
| 09327E 2304N                            | 2422-03284        | 00000/0000                   | 2-20022/0256                | 03/19/76         | 10                  | 5876            | 47.6         | 118.8        | FFFF                               |                     |                      | 145                   | 44                   |
| 09326E 1133N                            | 2402-03211        | 00000/0000                   | 2-20021/0792                | 02/28/76         | 10                  | 5597            | 46.1         | 115.1        | GGGG                               |                     |                      | 145                   | 44                   |
| 09325E 2306N                            | 2674-03210        | 00000/0000                   | 2-20036/1534                | 11/26/76         | 90                  | 9390            | 35.4         | 141.3        | FGGG                               |                     |                      | 143                   | 52                   |
| 09324E 2303N                            | 2404-03291        | 00000/0000                   | 2-20021/0929                | 03/01/76         | 0                   | 5625            | 42.4         | 125.6        | GGGG                               |                     |                      | 145                   | 44                   |
| 09324E 2301N                            | 2368-03300        | 00000/0000                   | 2-20020/0331                | 01/25/76         | 30                  | 5123            | 34.4         | 136.4        | GGGG                               |                     |                      | 145                   | 44                   |
| 09323E 3313N                            | 2712-03280        | 00000/0000                   | 2-20038/0617                | 01/03/77         | 80                  | 9920            | 24.4         | 143.9        | GGGG                               |                     |                      | 145                   | 44                   |
| 09323E 1715N                            | 2367-03260        | 00000/0000                   | 2-20020/0708                | 01/24/76         | 20                  | 5109            | 37.6         | 132.8        | GGGF                               |                     |                      | 147                   | 37                   |
| 09322E 5721N                            | 2575-04060        | 00000/0000                   | 2-20030/1565                | 08/19/76         | 20                  | 8010            | 41.2         | 145.5        | GGFG                               |                     |                      | 144                   | 48                   |
| 09322E 3310N                            | 2694-03285        | 00000/0000                   | 2-20037/0962                | 12/16/76         | 0                   | 9669            | 25.2         | 146.2        | GGGG                               |                     |                      | 154                   | 20                   |
| 09321E 3311N                            | 2730-03277        | 00000/0000                   | 2-20039/0890                | 01/21/77         | 10                  | 171             | 25.9         | 140.4        | GGGG                               |                     |                      | 147                   | 37                   |
| 09321E 1716N                            | 2403-03251        | 00000/0000                   | 2-20021/0846                | 02/29/76         | 50                  | 5611            | 44.4         | 120.5        | GGGG                               |                     |                      | 147                   | 37                   |
| 09320E 3306N                            | 2676-03293        | 00000/0000                   | 2-20036/1413                | 11/28/76         | 60                  | 9418            | 28.0         | 146.9        | FGGG                               |                     |                      | 144                   | 48                   |
| 09319E 4148N                            | 2714-03365        | 00000/0000                   | 2-20038/0776                | 01/05/77         | 0                   | 9948            | 18.4         | 147.3        | GFFF                               |                     |                      | 147                   | 37                   |
| 09319E 3304N                            | 2658-03302        | 00000/0000                   | 2-20034/0159                | 11/10/76         | 10                  | 9167            | 32.2         | 145.6        | GGGG                               |                     |                      | 149                   | 31                   |
| 09318E 5713N                            | 2557-04063        | 00000/0000                   | 2-20030/0518                | 08/01/76         | 60                  | 7759            | 46.1         | 142.3        | GGGG                               |                     |                      | 147                   | 37                   |
| 09318E 4145N                            | 2696-03374        | 00000/0000                   | 2-20038/0049                | 12/18/76         | 10                  | 9697            | 18.6         | 149.7        | GGF                                |                     |                      | 154                   | 20                   |
| 09318E 3731N                            | 2713-03323        | 00000/0000                   | 2-20038/1109                | 01/04/77         | 30                  | 9934            | 21.4         | 145.6        | FGGG                               |                     |                      | 149                   | 31                   |
| 09318E 3730N                            | 2695-03331        | 00000/0000                   | 2-20038/0011                | 12/17/76         | 20                  | 9683            | 21.9         | 148.0        | GGP                                |                     |                      | 148                   | 34                   |
| 09318E 0422N                            | 2473-03152        | 00000/0000                   | 2-20024/1857                | 05/09/76         | 40                  | 6587            | 51.6         | 67.3         | FGGG                               |                     |                      | 148                   | 34                   |
| 09317E 0422N                            | 2437-03162        | 00000/0000                   | 2-20022/1201                | 04/03/76         | 40                  | 6085            | 51.7         | 86.9         | GGGG                               |                     |                      | 142                   | 57                   |
| 09316E 3729N                            | 2731-03315        | 00000/0000                   | 2-20039/0152                | 01/22/77         | 30                  | 185             | 23.2         | 142.3        | FGG                                |                     |                      | 142                   | 57                   |
|                                         |                   |                              |                             |                  |                     |                 |              |              | FFFF                               |                     |                      | 148                   | 34                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0039

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09316E                                  | 3724N             | 2659-03344                   | 00000/0000                  | 2-20036/0299     | 11/11/76            | 30                     | 9181         | 28.7         | 148.1                              | GGGG                |                      | 148                   | 34                   |
| 09315E                                  | 5435N             | 2448-04043                   | 00000/0000                  | 2-20023/0146     | 04/14/76            | 0                      | 6239         | 40.5         | 146.0                              | GGGG                |                      | 153                   | 22                   |
| 09315E                                  | 4850N             | 2698-03470                   | 00000/0000                  | 2-20037/1181     | 12/20/76            | 70                     | 9725         | 13.1         | 152.5                              | G                   |                      | 151                   | 26                   |
| 09315E                                  | 4141N             | 2678-03332                   | 00000/0000                  | 2-20036/1597     | 11/30/76            | 0                      | 9446         | 21.1         | 150.9                              | PFGG                |                      | 149                   | 31                   |
| 09315E                                  | 4137N             | 2660-03391                   | 00000/0000                  | 2-20036/0339     | 11/12/76            | 0                      | 9195         | 25.3         | 150.4                              | GGGG                |                      | 149                   | 31                   |
| 09315E                                  | 3726N             | 2677-03340                   | 00000/0000                  | 2-20036/1480     | 11/29/76            | 10                     | 9432         | 24.5         | 149.0                              | GGGG                |                      | 148                   | 34                   |
| 09315E                                  | 1012N             | 2456-03195                   | 00000/0000                  | 2-20024/0345     | 04/22/76            | 10                     | 6350         | 54.3         | 83.2                               | GGGG                |                      | 143                   | 53                   |
| 09314E                                  | 5707N             | 2503-04080                   | 00000/0000                  | 2-20024/0962     | 06/08/76            | 50                     | 7006         | 51.4         | 142.5                              | GGGG                |                      | 154                   | 20                   |
| 09314E                                  | 5706N             | 2539-04070                   | 00000/0000                  | 2-20024/1404     | 07/14/76            | 80                     | 7508         | 49.7         | 140.5                              | GGGG                |                      | 154                   | 20                   |
| 09314E                                  | 5145N             | 2465-03591                   | 00000/0000                  | 2-20024/0820     | 05/01/76            | 80                     | 6476         | 47.8         | 140.7                              | GGGG                |                      | 152                   | 24                   |
| 09314E                                  | 0420N             | 2419-03170                   | 00000/0000                  | 2-20022/0181     | 03/16/76            | 40                     | 5834         | 49.9         | 97.9                               | FFG                 |                      | 142                   | 57                   |
| 09313E                                  | 4848N             | 2680-03474                   | 00000/0000                  | 2-20036/1763     | 12/02/76            | 10                     | 9474         | 15.2         | 154.0                              | G                   |                      | 151                   | 26                   |
| 09312E                                  | 5702N             | 2521-04073                   | 00000/0000                  | 2-20024/0068     | 06/26/76            | 40                     | 7257         | 51.6         | 140.6                              | GGGG                |                      | 154                   | 20                   |
| 09312E                                  | 5433N             | 2466-04040                   | 00000/0000                  | 2-20024/1128     | 05/02/76            | 0                      | 6490         | 46.3         | 144.0                              | GGGG                |                      | 153                   | 22                   |
| 09311E                                  | 5434N             | 2574-04011                   | 00000/0000                  | 2-20030/1493     | 08/18/76            | 100                    | 7996         | 43.3         | 142.1                              | FFFG                |                      | 153                   | 22                   |
| 09311E                                  | 1009N             | 2492-03190                   | 00000/0000                  | 2-20026/0311     | 05/28/76            | 10                     | 6852         | 53.4         | 67.8                               | GFGG                |                      | 143                   | 53                   |
| 09310E                                  | 5432N             | 2592-04004                   | 00000/0000                  | 2-20032/0749     | 09/05/76            | 10                     | 8247         | 37.8         | 146.2                              | FGFG                |                      | 153                   | 22                   |
| 09310E                                  | 2730N             | 2711-03240                   | 00000/0000                  | 2-20034/0533     | 01/02/77            | 10                     | 9906         | 28.3         | 141.3                              | GGGG                |                      | 146                   | 41                   |
| 09310E                                  | 2726N             | 2693-03244                   | 00000/0000                  | 2-20037/0893     | 12/15/76            | 20                     | 9655         | 29.4         | 143.5                              | GGGG                |                      | 146                   | 41                   |
| 09310E                                  | 2720N             | 2657-03261                   | 00000/0000                  | 2-20036/0124     | 11/09/76            | 70                     | 9153         | 36.4         | 142.0                              | GGGG                |                      | 146                   | 41                   |
| 09310E                                  | 1619N             | 2421-03245                   | 00000/0000                  | 2-20022/0222     | 03/18/76            | 10                     | 5862         | 49.1         | 111.4                              | GGFG                |                      | 144                   | 49                   |
| 09310E                                  | 1556N             | 2457-03235                   | 00000/0000                  | 2-20024/0419     | 04/23/76            | 40                     | 6364         | 55.6         | 91.0                               | GGGG                |                      | 144                   | 49                   |
| 09309E                                  | 1556N             | 2439-03243                   | 00000/0000                  | 2-20022/1332     | 04/05/76            | 10                     | 6113         | 53.0         | 101.3                              | GGGF                |                      | 144                   | 49                   |
| 09308E                                  | 5145N             | 2591-03554                   | 00000/0000                  | 2-20032/0616     | 09/04/76            | 10                     | 8233         | 40.0         | 143.2                              | GGGG                |                      | 152                   | 24                   |
| 09308E                                  | 5143N             | 2573-03561                   | 00000/0000                  | 2-20030/1367     | 08/17/76            | 90                     | 7982         | 45.3         | 138.4                              | GGGG                |                      | 152                   | 24                   |
| 09308E                                  | 2726N             | 2729-03232                   | 00000/0000                  | 2-20040/0012     | 01/20/77            | 90                     | 157          | 29.4         | 137.6                              | GGGG                |                      | 146                   | 41                   |
| 09308E                                  | 2144N             | 2440-03283                   | 00000/0000                  | 2-20022/1371     | 04/06/76            | 10                     | 6127         | 52.7         | 108.8                              | GGGG                |                      | 145                   | 45                   |
| 09308E                                  | 1008N             | 2420-03210                   | 00000/0000                  | 2-20021/1711     | 03/17/76            | 10                     | 5848         | 49.9         | 104.4                              | GGFF                |                      | 143                   | 53                   |
| 09307E                                  | 2724N             | 2675-03253                   | 00000/0000                  | 2-20036/1301     | 11/27/76            | 50                     | 9404         | 32.3         | 143.9                              | GGGG                |                      | 146                   | 41                   |
| 09306E                                  | 5426N             | 2556-04014                   | 00000/0000                  | 2-20030/0387     | 07/31/76            | 20                     | 7745         | 48.0         | 138.4                              | GGGG                |                      | 153                   | 22                   |
| 09306E                                  | 5133N             | 2501-03582                   | 00000/0000                  | 2-20026/0873     | 06/06/76            | 70                     | 6978         | 54.4         | 134.2                              | GGGG                |                      | 152                   | 24                   |
| 09306E                                  | 2144N             | 2710-03200                   | 00000/0000                  | 2-20034/0435     | 01/01/77            | 10                     | 9892         | 32.1         | 138.4                              | GGGG                |                      | 145                   | 45                   |
| 09306E                                  | 2143N             | 2692-03204                   | 00000/0000                  | 2-20037/0792     | 12/14/76            | 10                     | 9441         | 33.4         | 140.5                              | GGGG                |                      | 145                   | 45                   |
| 09306E                                  | 1007N             | 2402-03213                   | 00000/0000                  | 2-20021/0793     | 02/28/76            | 20                     | 5597         | 46.4         | 113.6                              | FGGG                |                      | 143                   | 53                   |
| 09306E                                  | 0407N             | 2383-03180                   | 00000/0000                  | 2-20020/1209     | 02/09/76            | 40                     | 5332         | 45.2         | 116.1                              | GPFF                |                      | 142                   | 57                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR MON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0840

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09305E                      | 5428N             | 2610-04021                   | 00000/0000                  | 2-20032/1703     | 09/23/76            | 70              | 8498         | 31.7         | 150.4                              | GGGG                |                      | 153                   | 22                   |
| 09305E                      | 5421N             | 2502-04031                   | 00000/0000                  | 2-20026/0910     | 06/07/76            | 10              | 6992         | 53.0         | 138.4                              | GGGG                |                      | 153                   | 22                   |
| 09305E                      | 2140N             | 2728-03192                   | 00000/0000                  | 2-20039/0117     | 01/19/77            | 10              | 143          | 32.8         | 134.6                              | FGGG                |                      | 145                   | 45                   |
| 09305E                      | 2138N             | 2422-03290                   | 00000/0000                  | 2-20022/0257     | 03/19/76            | 10              | 5876         | 48.0         | 117.1                              | GGGG                |                      | 145                   | 45                   |
| 09305E                      | 1006N             | 2366-03222                   | 00000/0000                  | 2-20020/0133     | 01/23/76            | 30              | 5095         | 41.3         | 127.7                              | GGGG                |                      | 143                   | 53                   |
| 09304E                      | 5135N             | 2555-03565                   | 00000/0000                  | 2-20030/0411     | 07/30/76            | 50              | 7731         | 49.7         | 134.4                              | GGGG                |                      | 152                   | 24                   |
| 09303E                      | 5420N             | 2538-04021                   | 00000/0000                  | 2-20028/1827     | 07/13/76            | 40              | 7494         | 51.4         | 136.4                              | FFGF                |                      | 153                   | 22                   |
| 09303E                      | 2140N             | 2674-03213                   | 00000/0000                  | 2-20036/1535     | 11/26/76            | 60              | 9390         | 36.4         | 140.4                              | GFGG                |                      | 145                   | 45                   |
| 09302E                      | 5130N             | 2519-03575                   | 00000/0000                  | 2-20028/0114     | 06/24/76            | 40              | 7229         | 54.7         | 132.0                              | FQGG                |                      | 152                   | 24                   |
| 09302E                      | 2137N             | 2434-03294                   | 00000/0000                  | 2-20021/0930     | 03/01/76            | 0               | 5625         | 43.0         | 124.3                              | GGGG                |                      | 145                   | 45                   |
| 09302E                      | 1549N             | 2367-03262                   | 00000/0000                  | 2-20020/0209     | 01/24/76            | 20              | 5109         | 38.4         | 131.8                              | FFFF                |                      | 144                   | 49                   |
| 09301E                      | 5417N             | 2520-04024                   | 00000/0000                  | 2-20027/0488     | 06/25/76            | 40              | 7243         | 53.2         | 136.3                              | FFGG                |                      | 153                   | 22                   |
| 09301E                      | 2134N             | 2368-03333                   | 00000/0000                  | 2-20020/0332     | 11/25/76            | 10              | 5123         | 35.3         | 135.5                              | GGGG                |                      | 145                   | 45                   |
| 09300E                      | 5130N             | 2537-03572                   | 00000/0000                  | 2-20028/1203     | 07/12/76            | 90              | 7480         | 52.9         | 132.0                              | FFGG                |                      | 152                   | 24                   |
| 09300E                      | 1550N             | 2433-03253                   | 00000/0000                  | 2-20021/0847     | 02/29/76            | 20              | 5611         | 44.9         | 119.1                              | FQGG                |                      | 144                   | 49                   |
| 09257E                      | 5847N             | 2450-04144                   | 00000/0000                  | 2-20024/0019     | 04/16/76            | 90              | 6267         | 38.3         | 150.4                              | GGGG                |                      | 155                   | 19                   |
| 09257E                      | 5845N             | 2452-04141                   | 00000/0000                  | 2-20024/1339     | 05/04/76            | 10              | 6518         | 44.1         | 149.1                              | GFGG                |                      | 155                   | 19                   |
| 09257E                      | 4439N             | 2715-03415                   | 00000/0000                  | 2-20034/0826     | 01/06/77            | 80              | 9962         | 16.4         | 148.4                              | GGG                 |                      | 150                   | 29                   |
| 09257E                      | 4436N             | 2697-03423                   | 00000/0000                  | 2-20034/0282     | 12/19/76            | 60              | 9711         | 16.4         | 150.8                              | FFGF                |                      | 150                   | 29                   |
| 09257E                      | 3147N             | 2712-03283                   | 00000/0000                  | 2-20034/0618     | 01/03/77            | 90              | 9920         | 25.4         | 143.2                              | GGGG                |                      | 147                   | 38                   |
| 09257E                      | 3144N             | 2694-03231                   | 00000/0000                  | 2-20037/0963     | 12/16/76            | 0               | 9669         | 26.2         | 145.5                              | GGGG                |                      | 147                   | 38                   |
| 09255E                      | 3145N             | 2730-03275                   | 00000/0000                  | 2-20039/0891     | 01/21/77            | 20              | 171          | 26.8         | 139.7                              | GFGG                |                      | 147                   | 38                   |
| 09254E                      | 3140N             | 2676-03302                   | 00000/0000                  | 2-20034/1414     | 11/28/76            | 50              | 9418         | 29.0         | 146.2                              | FFFF                |                      | 147                   | 38                   |
| 09254E                      | 0845N             | 2454-03202                   | 00000/0000                  | 2-20024/0346     | 04/22/76            | 20              | 6350         | 53.8         | 81.2                               | GGGG                |                      | 143                   | 54                   |
| 09253E                      | 4430N             | 2679-03432                   | 00000/0000                  | 2-20036/1696     | 12/01/76            | 30              | 9460         | 18.7         | 152.1                              | FFFF                |                      | 150                   | 29                   |
| 09253E                      | 3138N             | 2658-03304                   | 00000/0000                  | 2-20034/0160     | 11/10/76            | 10              | 9167         | 33.2         | 144.8                              | GGGG                |                      | 147                   | 38                   |
| 09252E                      | 4427N             | 2661-03440                   | 00000/0000                  | 2-20036/0464     | 11/13/76            | 60              | 9209         | 22.8         | 151.9                              | GGGG                |                      | 150                   | 29                   |
| 09251E                      | 3604N             | 2695-03334                   | 00000/0000                  | 2-20034/0102     | 12/17/76            | 10              | 9683         | 23.0         | 147.4                              | GGGG                |                      | 148                   | 35                   |
| 09250E                      | 3605N             | 2713-03325                   | 00000/0000                  | 2-20034/1110     | 01/04/77            | 50              | 9934         | 22.4         | 145.7                              | FFFF                |                      | 148                   | 35                   |
| 09250E                      | 2604N             | 2441-03325                   | 00000/0000                  | 2-20022/1478     | 04/07/76            | 10              | 6141         | 52.0         | 114.3                              | GGGG                |                      | 146                   | 42                   |
| 09250E                      | 0842N             | 2432-03192                   | 00000/0000                  | 2-20024/0312     | 05/28/76            | 10              | 6852         | 52.6         | 65.8                               | FQGG                |                      | 143                   | 54                   |
| 09249E                      | 4022N             | 2714-03372                   | 00000/0000                  | 2-20034/0777     | 01/05/77            | 10              | 9948         | 19.4         | 146.7                              | GGGG                |                      | 149                   | 32                   |
| 09249E                      | 1453N             | 2421-03252                   | 00000/0000                  | 2-20022/0223     | 03/18/76            | 10              | 5862         | 49.4         | 109.6                              | GGGG                |                      | 144                   | 50                   |
| 09249E                      | 1430N             | 2457-03242                   | 00000/0000                  | 2-20024/0420     | 04/23/76            | 40              | 6364         | 55.3         | 88.8                               | GGGG                |                      | 144                   | 50                   |
| 09248E                      | 5843N             | 2576-04112                   | 00000/0000                  | 2-20030/1531     | 08/20/76            | 70              | 8024         | 40.0         | 147.4                              | FQGG                |                      | 155                   | 19                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0841

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09248E                      | 5839N             | 2612-04102            | 02000/0000                  | 2-20032/1793     | 05/25/76            | 0               | 8526         | 27.9         | 154.4                              | G G                 |                      | 155                   | 19                   |
| 09248E                      | 4020N             | 2696-03380            | 00000/0000                  | 2-20038/0050     | 12/18/76            | 0               | 9697         | 19.7         | 149.1                              | GGG                 |                      | 149                   | 32                   |
| 09248E                      | 3603N             | 2731-03321            | 00000/0000                  | 2-20039/0153     | 01/22/77            | 10              | 185          | 24.2         | 141.6                              | FFFF                |                      | 148                   | 35                   |
| 09248E                      | 3558N             | 2659-03351            | 00000/0000                  | 2-20036/0300     | 11/11/76            | 10              | 9181         | 29.8         | 147.3                              | GGGG                |                      | 148                   | 35                   |
| 09248E                      | 2554N             | 2495-03313            | 00000/0000                  | 2-20026/0093     | 05/31/76            | 30              | 6894         | 59.1         | 90.2                               | FGGG                |                      | 146                   | 42                   |
| 09248E                      | 1430N             | 2439-03245            | 00000/0000                  | 2-20027/1333     | 04/05/76            | 20              | 6113         | 53.0         | 99.3                               | GGGF                |                      | 144                   | 50                   |
| 09248E                      | 0842N             | 2420-03212            | 00000/0000                  | 2-20021/1712     | 03/17/76            | 10              | 5848         | 50.0         | 102.6                              | GGGG                |                      | 143                   | 54                   |
| 09247E                      | 3600N             | 2677-03342            | 00000/0000                  | 2-20036/1481     | 11/29/76            | 10              | 9432         | 25.6         | 148.3                              | GGGG                |                      | 148                   | 35                   |
| 09247E                      | 2554N             | 2657-03264            | 00000/0000                  | 2-20036/0125     | 11/09/76            | 50              | 9153         | 37.4         | 141.0                              | GGGG                |                      | 146                   | 42                   |
| 09247E                      | 2018N             | 2440-03285            | 00000/0000                  | 2-20022/1372     | 04/06/76            | 10              | 6127         | 52.9         | 106.8                              | GGGG                |                      | 145                   | 46                   |
| 09246E                      | 2604N             | 2711-03242            | 00000/0000                  | 2-20038/0534     | 01/02/77            | 10              | 9906         | 29.3         | 140.5                              | GGGG                |                      | 146                   | 42                   |
| 09246E                      | 2600N             | 2693-03251            | 00000/0000                  | 2-20037/0894     | 12/15/76            | 10              | 9655         | 30.4         | 142.7                              | GGGG                |                      | 146                   | 42                   |
| 09246E                      | 2557N             | 2423-03333            | 00000/0000                  | 2-20022/0274     | 03/20/76            | 10              | 5890         | 46.8         | 121.6                              | GGGG                |                      | 143                   | 42                   |
| 09246E                      | 0842N             | 2402-03220            | 00000/0000                  | 2-20021/0794     | 02/28/76            | 50              | 5597         | 46.8         | 112.1                              | FGGG                |                      | 143                   | 54                   |
| 09245E                      | 4016N             | 2678-03335            | 00000/0000                  | 2-20036/1598     | 11/30/76            | 0               | 9446         | 22.2         | 150.3                              | FFFF                |                      | 149                   | 32                   |
| 09245E                      | 4012N             | 2660-03393            | 00000/0000                  | 2-20036/0340     | 11/12/76            | 20              | 9195         | 26.3         | 149.7                              | FGGF                |                      | 149                   | 32                   |
| 09244E                      | 5830N             | 2604-04132            | 00000/0000                  | 2-20026/1013     | 06/09/76            | 10              | 7020         | 50.7         | 144.5                              | GGGG                |                      | 155                   | 19                   |
| 09244E                      | 2558N             | 2675-03255            | 00000/0000                  | 2-20036/1302     | 11/27/76            | 70              | 9404         | 33.3         | 143.1                              | GGGG                |                      | 146                   | 42                   |
| 09244E                      | 2017N             | 2692-03211            | 00000/0000                  | 2-20037/0793     | 12/14/76            | 10              | 9641         | 34.4         | 139.6                              | GGGG                |                      | 145                   | 46                   |
| 09244E                      | 2017N             | 2710-03202            | 00000/0000                  | 2-20038/0436     | 01/01/77            | 20              | 9892         | 33.0         | 137.5                              | GGGG                |                      | 145                   | 46                   |
| 09244E                      | 0840N             | 2306-03224            | 00000/0000                  | 2-20020/0134     | 01/23/76            | 20              | 5095         | 42.0         | 126.5                              | GFGG                |                      | 143                   | 54                   |
| 09243E                      | 5837N             | 2558-04115            | 00000/0000                  | 2-20030/0577     | 08/02/76            | 50              | 7773         | 45.0         | 144.4                              | FGGG                |                      | 155                   | 19                   |
| 09243E                      | 5832N             | 2540-04122            | 00000/0000                  | 2-20028/1448     | 07/15/76            | 70              | 7522         | 48.7         | 142.7                              | GGGG                |                      | 155                   | 19                   |
| 09243E                      | 2014N             | 2728-03194            | 00000/0000                  | 2-20039/0118     | 01/19/77            | 10              | 143          | 33.6         | 133.7                              | FFFF                |                      | 145                   | 46                   |
| 09243E                      | 2011N             | 2422-03293            | 00000/0000                  | 2-20027/0258     | 03/19/76            | 10              | 5876         | 48.4         | 115.5                              | GGFF                |                      | 145                   | 46                   |
| 09242E                      | 2554N             | 2405-03340            | 00000/0000                  | 2-20021/0952     | 03/02/76            | 10              | 5639         | 41.4         | 127.8                              | G GG                |                      | 146                   | 42                   |
| 09242E                      | 2551N             | 2369-03350            | 00000/0000                  | 2-20020/0388     | 11/26/76            | 10              | 5137         | 32.8         | 137.9                              | GFGG                |                      | 146                   | 42                   |
| 09241E                      | 2014N             | 2674-03215            | 00000/0000                  | 2-20036/1536     | 11/26/76            | 70              | 9390         | 37.3         | 139.5                              | GGGG                |                      | 145                   | 46                   |
| 09241E                      | 1423N             | 2367-03265            | 00000/0000                  | 2-20020/0210     | 01/24/76            | 30              | 5109         | 39.2         | 130.7                              | GGFG                |                      | 144                   | 50                   |
| 09240E                      | 5828N             | 2522-04125            | 00000/0000                  | 2-20028/0139     | 06/27/76            | 30              | 7271         | 50.7         | 142.8                              | GGG                 |                      | 155                   | 19                   |
| 09240E                      | 2011N             | 2404-03300            | 00000/0000                  | 2-20021/0931     | 03/01/76            | 0               | 5625         | 43.6         | 122.9                              | GGGG                |                      | 145                   | 46                   |
| 09240E                      | 1425N             | 2403-03250            | 00000/0000                  | 2-20021/0848     | 02/29/76            | 10              | 5611         | 45.4         | 117.6                              | FFGG                |                      | 144                   | 50                   |
| 09239E                      | 2008N             | 2368-03305            | 00000/0000                  | 2-20020/0333     | 01/25/76            | 10              | 5123         | 36.1         | 134.5                              | GGGG                |                      | 145                   | 46                   |
| 09238E                      | 4725N             | 2698-03472            | 00000/0000                  | 2-20037/1182     | 12/20/76            | 40              | 9725         | 14.2         | 151.9                              | FGGG                |                      | 151                   | 27                   |
| 09237E                      | 5600N             | 2457-04092            | 00000/0000                  | 2-20024/1581     | 05/03/76            | 60              | 6504         | 45.7         | 145.7                              | GGGG                |                      | 154                   | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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 LANDSAT-2  
 COORDINATE LISTING  
 FOR MON-US

PAGE 0842

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG | LAT   | SERIES<br>ID | INSTRUMENT<br>POSITION<br>REV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>REV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|-------|--------------|-------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09237E                              | 4723N | 2680-03484   | 00000/0000                    | 2-20036/1764                | 12/02/76         | 0                   | 9474            | 16.3         | 153.4        | GGGG                               |                     |                      | 151                   | 27                   |
| 09234E                              | 0718N | 2456-03204   | 00000/0000                    | 2-20024/0347                | 04/22/76         | 20                  | 6350            | 53.4         | 79.3         | GGGG                               |                     |                      | 143                   | 55                   |
| 09232E                              | 3021N | 2712-03285   | 00000/0000                    | 2-20038/0619                | 01/03/77         | 80                  | 9920            | 26.4         | 142.5        | GGGG                               |                     |                      | 147                   | 39                   |
| 09232E                              | 3018N | 2694-03294   | 00000/0000                    | 2-20037/0964                | 12/16/76         | 0                   | 9669            | 27.3         | 144.8        | GGGG                               |                     |                      | 147                   | 39                   |
| 09231E                              | 5557N | 2575-04062   | 00000/0000                    | 2-20037/1566                | 08/19/76         | 50                  | 8010            | 42.1         | 143.9        | GGGG                               |                     |                      | 154                   | 21                   |
| 09231E                              | 5020N | 2717-03513   | 00000/0000                    | 2-20038/1036                | 01/08/77         | 10                  | 9990            | 12.3         | 150.6        | GGGF                               |                     |                      | 152                   | 25                   |
| 09231E                              | 5017N | 2699-03521   | 00000/0000                    | 2-20037/1135                | 12/21/76         | 10                  | 9739            | 11.9         | 153.1        | GGGG                               |                     |                      | 152                   | 25                   |
| 09230E                              | 3018N | 2730-03231   | 00000/0000                    | 2-20039/0892                | 01/21/77         | 20                  | 171             | 27.7         | 139.0        | GGGG                               |                     |                      | 147                   | 39                   |
| 09229E                              | 3014N | 2676-03302   | 00000/0000                    | 2-20036/1415                | 11/28/76         | 20                  | 9418            | 30.0         | 145.4        | GGGG                               |                     |                      | 147                   | 39                   |
| 09229E                              | 3012N | 2658-03311   | 00000/0000                    | 2-20036/0161                | 11/10/76         | 0                   | 9167            | 34.2         | 143.9        | GGGG                               |                     |                      | 147                   | 39                   |
| 09229E                              | 1326N | 2421-03254   | 00000/0000                    | 2-20022/0224                | 03/13/76         | 10                  | 5862            | 49.6         | 107.9        | FFFG                               |                     |                      | 144                   | 51                   |
| 09229E                              | 1303N | 2457-03244   | 00000/0000                    | 2-20024/0421                | 04/23/76         | 20                  | 6364            | 55.0         | 86.7         | GGGG                               |                     |                      | 144                   | 51                   |
| 09229E                              | 0715N | 2492-03135   | 00000/0000                    | 2-20026/0313                | 05/28/76         | 10                  | 6852            | 51.8         | 64.2         | GGGG                               |                     |                      | 143                   | 55                   |
| 09228E                              | 1303N | 2439-03252   | 00000/0000                    | 2-20022/1334                | 04/05/76         | 20                  | 6113            | 53.0         | 97.3         | GGGG                               |                     |                      | 144                   | 51                   |
| 09228E                              | 0715N | 2420-03215   | 00000/0000                    | 2-20021/1713                | 03/17/76         | 30                  | 5848            | 50.0         | 100.8        | GGGG                               |                     |                      | 143                   | 55                   |
| 09227E                              | 5549N | 2557-04070   | 00000/0000                    | 2-20030/0519                | 08/01/76         | 40                  | 7759            | 46.9         | 140.4        | GGG                                |                     |                      | 154                   | 21                   |
| 09227E                              | 5308N | 2466-04043   | 00000/0000                    | 2-20024/1129                | 05/02/76         | 0                   | 6490            | 47.2         | 142.3        | GGGG                               |                     |                      | 153                   | 23                   |
| 09226E                              | 5310N | 2574-04013   | 00000/0000                    | 2-20030/1434                | 08/13/76         | 90                  | 7996            | 44.1         | 140.4        | FFFG                               |                     |                      | 153                   | 23                   |
| 09226E                              | 4313N | 2463-03501   | 00000/0000                    | 2-20024/0962                | 04/29/76         | 0                   | 6448            | 51.9         | 130.0        | GGGG                               |                     |                      | 150                   | 30                   |
| 09226E                              | 0715N | 2402-03222   | 00000/0000                    | 2-20021/0795                | 02/28/76         | 70                  | 5597            | 47.1         | 110.5        | FGGG                               |                     |                      | 143                   | 55                   |
| 09225E                              | 5308N | 2592-04010   | 00000/0000                    | 2-20032/0750                | 09/05/76         | 0                   | 8247            | 38.7         | 144.8        | FGFG                               |                     |                      | 153                   | 23                   |
| 09225E                              | 4314N | 2445-03504   | 00000/0000                    | 2-20022/1773                | 04/11/76         | 30                  | 6197            | 46.3         | 134.2        | GGGG                               |                     |                      | 150                   | 30                   |
| 09225E                              | 3438N | 2695-03340   | 00000/0000                    | 2-20038/0013                | 12/17/76         | 10                  | 9683            | 24.0         | 146.7        | FGGG                               |                     |                      | 148                   | 36                   |
| 09225E                              | 2429N | 2495-03315   | 00000/0000                    | 2-20026/0094                | 05/31/76         | 30                  | 6894            | 58.8         | 87.7         | GGGG                               |                     |                      | 146                   | 43                   |
| 09225E                              | 1851N | 2440-03292   | 00000/0000                    | 2-20022/1373                | 04/06/76         | 10                  | 6127            | 53.0         | 104.8        | GGGG                               |                     |                      | 145                   | 47                   |
| 09225E                              | 1844N | 2494-03275   | 00000/0000                    | 2-20026/0459                | 05/30/76         | 60                  | 6880            | 57.2         | 78.6         | GGGG                               |                     |                      | 145                   | 47                   |
| 09224E                              | 5543N | 2539-04073   | 00000/0000                    | 2-20028/1405                | 07/14/76         | 80                  | 7508            | 54.5         | 138.5        | GGGG                               |                     |                      | 154                   | 21                   |
| 09224E                              | 4313N | 2715-03421   | 00000/0000                    | 2-20038/0827                | 01/06/77         | 70                  | 9962            | 17.4         | 147.8        | FFGG                               |                     |                      | 150                   | 30                   |
| 09224E                              | 4310N | 2697-03430   | 00000/0000                    | 2-20038/0283                | 12/19/76         | 30                  | 9711            | 17.5         | 150.2        | FFFG                               |                     |                      | 150                   | 30                   |
| 09224E                              | 2428N | 2657-03270   | 00000/0000                    | 2-20036/0126                | 11/09/76         | 20                  | 9153            | 38.3         | 140.0        | GGGG                               |                     |                      | 146                   | 43                   |
| 09224E                              | 0714N | 2366-03231   | 00000/0000                    | 2-20020/0135                | 01/23/76         | 20                  | 5095            | 42.6         | 125.3        | GGGG                               |                     |                      | 143                   | 55                   |
| 09223E                              | 3439N | 2713-03332   | 00000/0000                    | 2-20038/1111                | 01/04/77         | 80                  | 9934            | 23.5         | 144.3        | PPPP                               |                     |                      | 148                   | 36                   |
| 09223E                              | 2437N | 2711-03245   | 00000/0000                    | 2-20038/0535                | 01/02/77         | 0                   | 9906            | 30.2         | 139.8        | GGGG                               |                     |                      | 146                   | 43                   |
| 09223E                              | 2434N | 2693-03253   | 00000/0000                    | 2-20037/0895                | 12/15/76         | 10                  | 9655            | 31.4         | 142.0        | GGGG                               |                     |                      | 146                   | 43                   |
| 09223E                              | 2430N | 2423-03340   | 00000/0000                    | 2-20022/0275                | 03/20/76         | 10                  | 5890            | 47.4         | 120.0        | GGGG                               |                     |                      | 146                   | 43                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR USN-115  
FROM 01/22/76 TO 01/22/77

PAGE 0043

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL |     | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------------------------|--------------|------------------|---------------------|-----------------|--------------|--------------|------------|-----|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                                     | MSS          |                  |                     |                 |              |              | RBV        | MSS |                     |                      |                       |                      |
| 09223E                      | 1850N | 2710-03235        | 00000/0000                              | 2-2003R/0437 | 01/01/77         | 60                  | 9892            | 33.9         | 136.7        | GFGG       |     |                     |                      | 145                   | 47                   |
| 09222E                      | 5539N | 2521-04080        | 00000/0000                              | 2-2002R/0069 | 06/26/76         | 40                  | 7257            | 52.4         | 138.4        | GGGG       |     |                     |                      | 154                   | 21                   |
| 09222E                      | 5006N | 2663-03534        | 00000/0000                              | 2-2003R/0554 | 11/15/76         | 10                  | 9237            | 17.8         | 154.8        | GGGG       |     |                     |                      | 152                   | 25                   |
| 09222E                      | 3433N | 2659-03353        | 00000/0000                              | 2-2003R/0301 | 11/11/76         | 0                   | 9181            | 30.8         | 146.6        | GGGG       |     |                     |                      | 148                   | 36                   |
| 09222E                      | 1850N | 2692-03213        | 00000/0000                              | 2-20037/0794 | 12/14/76         | 10                  | 9641            | 35.3         | 138.8        | GGGG       |     |                     |                      | 145                   | 47                   |
| 09221E                      | 5302N | 2556-04020        | 00000/0000                              | 2-20030/0388 | 07/31/76         | 40                  | 7745            | 48.7         | 136.5        | GGGG       |     |                     |                      | 153                   | 23                   |
| 09221E                      | 5257N | 2502-04033        | 00000/0000                              | 2-20026/0911 | 06/07/76         | 10                  | 6992            | 53.8         | 136.2        | GGGG       |     |                     |                      | 153                   | 23                   |
| 09221E                      | 4305N | 2679-03434        | 00000/0000                              | 2-2003R/1697 | 12/01/76         | 20                  | 9460            | 19.8         | 151.5        | FFFG       |     |                     |                      | 150                   | 30                   |
| 09221E                      | 3437N | 2731-03324        | 00000/0000                              | 2-2003R/0154 | 01/22/77         | 0                   | 185             | 25.1         | 140.9        | FFGF       |     |                     |                      | 148                   | 36                   |
| 09221E                      | 3434N | 2677-03345        | 00000/0000                              | 2-2003R/1482 | 11/29/76         | 10                  | 9432            | 26.7         | 147.6        | GGGG       |     |                     |                      | 148                   | 36                   |
| 09221E                      | 2432N | 2675-03262        | 00000/0000                              | 2-2003R/1303 | 11/27/76         | 90                  | 9404            | 34.3         | 142.2        | GGGF       |     |                     |                      | 146                   | 43                   |
| 09221E                      | 1848N | 2728-03201        | 00000/0000                              | 2-2003R/0119 | 01/19/77         | 10                  | 143             | 34.4         | 132.8        | FGGG       |     |                     |                      | 145                   | 47                   |
| 09221E                      | 1845N | 2422-03295        | 00000/0000                              | 2-2002R/0259 | 03/19/76         | 10                  | 5876            | 48.8         | 113.8        | GGGG       |     |                     |                      | 145                   | 47                   |
| 09220E                      | 4308N | 2427-03512        | 00000/0000                              | 2-2002R/0523 | 03/24/76         | 20                  | 5946            | 39.8         | 137.5        | GGGG       |     |                     |                      | 150                   | 30                   |
| 09220E                      | 4308N | 2607-03462        | 00000/0000                              | 2-2003R/1429 | 09/20/76         | 30                  | 8456            | 40.4         | 139.9        | GGGF       |     |                     |                      | 150                   | 30                   |
| 09220E                      | 4302N | 2661-03443        | 00000/0000                              | 2-2003R/0465 | 11/13/76         | 60                  | 9209            | 23.9         | 151.2        | GGGG       |     |                     |                      | 150                   | 30                   |
| 09220E                      | 3857N | 2714-03374        | 00000/0000                              | 2-2003R/0778 | 01/05/77         | 10                  | 9948            | 20.5         | 146.1        | FGGG       |     |                     |                      | 149                   | 33                   |
| 09220E                      | 2425N | 2369-03352        | 00000/0000                              | 2-2002R/0389 | 01/26/76         | 20                  | 5137            | 33.7         | 137.0        | GGGG       |     |                     |                      | 146                   | 43                   |
| 09220E                      | 1258N | 2403-03262        | 00000/0000                              | 2-20021/0849 | 02/29/76         | 10                  | 5611            | 45.9         | 116.2        | FFGG       |     |                     |                      | 144                   | 51                   |
| 09220E                      | 1257N | 2367-03271        | 00000/0000                              | 2-20020/0211 | 01/24/76         | 30                  | 5109            | 40.0         | 129.6        | GFFG       |     |                     |                      | 144                   | 51                   |
| 09219E                      | 5256N | 2538-04024        | 00000/0000                              | 2-2002R/1828 | 07/13/76         | 30                  | 7494            | 52.1         | 134.3        | FFGF       |     |                     |                      | 153                   | 23                   |
| 09219E                      | 3854N | 2696-03383        | 00000/0000                              | 2-2003R/0051 | 12/18/76         | 10                  | 9697            | 20.8         | 148.5        | FGGG       |     |                     |                      | 149                   | 33                   |
| 09219E                      | 2428N | 2405-03343        | 00000/0000                              | 2-20021/0973 | 03/02/76         | 10                  | 5639            | 42.0         | 126.5        | GGGG       |     |                     |                      | 146                   | 43                   |
| 09218E                      | 4303N | 2625-03455        | 00000/0000                              | 2-2003R/0552 | 10/08/76         | 20                  | 8707            | 34.8         | 145.2        | GGGG       |     |                     |                      | 150                   | 30                   |
| 09218E                      | 1845N | 2404-03303        | 00000/0000                              | 2-20021/0932 | 03/01/76         | 0                   | 5625            | 44.1         | 121.5        | FGGG       |     |                     |                      | 145                   | 47                   |
| 09218E                      | 1842N | 2358-03312        | 00000/0000                              | 2-20020/0334 | 01/25/76         | 10                  | 5123            | 36.9         | 133.5        | GGGG       |     |                     |                      | 145                   | 47                   |
| 09216E                      | 4301N | 2643-03451        | 00000/0000                              | 2-2003R/0177 | 10/26/76         | 50                  | 8958            | 29.1         | 149.1        | GGGG       |     |                     |                      | 150                   | 30                   |
| 09216E                      | 3847N | 2660-03430        | 00000/0000                              | 2-2003R/0341 | 11/12/76         | 10                  | 9195            | 27.4         | 149.0        | FGGF       |     |                     |                      | 149                   | 33                   |
| 09215E                      | 3850N | 2678-03391        | 00000/0000                              | 2-2003R/1599 | 11/30/76         | 0                   | 9446            | 23.3         | 149.6        | FFGF       |     |                     |                      | 149                   | 33                   |
| 09213E                      | 3551N | 2456-03211        | 00000/0000                              | 2-2002R/0348 | 04/22/76         | 30                  | 6350            | 52.9         | 77.5         | GGGG       |     |                     |                      | 143                   | 56                   |
| 09209E                      | 0548N | 2492-03201        | 00000/0000                              | 2-2002R/0314 | 05/28/76         | 30                  | 6852            | 50.9         | 62.7         | GGGG       |     |                     |                      | 143                   | 56                   |
| 09208E                      | 2855N | 2712-03292        | 00000/0000                              | 2-2003R/0620 | 01/03/77         | 40                  | 9920            | 27.4         | 141.8        | GGGG       |     |                     |                      | 147                   | 40                   |
| 09208E                      | 2852N | 2694-03300        | 00000/0000                              | 2-20037/0965 | 12/16/76         | 10                  | 9669            | 28.3         | 144.1        | GGFG       |     |                     |                      | 147                   | 40                   |
| 09208E                      | 1159N | 2421-03261        | 00000/0000                              | 2-2002R/0225 | 03/18/76         | 10                  | 5862            | 49.8         | 106.1        | GGGF       |     |                     |                      | 144                   | 52                   |
| 09208E                      | 0547N | 2420-03221        | 00000/0000                              | 2-20021/1714 | 03/17/76         | 30                  | 5848            | 50.1         | 99.1         | GGG        |     |                     |                      | 143                   | 56                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0044

| PRINCIPAL POINT<br>OF IMAGE<br>LONG | LAT   | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REV | ROLL NO./<br>IN RML<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SBBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SBBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|-------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09207E                              | 1136N | 2439-03254        | 00000/0000                   | 2-20022/1335               | 04/05/76         | 30                  | 6113            | 52.9         | 95.3         | GFFF                               |                     |                      | 144                   | 52                   |
| 09206E                              | 2852N | 2730-03234        | 00000/0000                   | 2-20039/0893               | 01/21/77         | 70                  | 171             | 28.7         | 138.2        | GFFF                               |                     |                      | 147                   | 40                   |
| 09205E                              | 2849N | 2676-03305        | 00000/0000                   | 2-20036/1416               | 11/28/76         | 10                  | 9418            | 31.1         | 144.7        | G000                               |                     |                      | 147                   | 40                   |
| 09205E                              | 1134N | 2493-03241        | 00000/0000                   | 2-20024/0250               | 05/29/76         | 50                  | 6866            | 54.1         | 69.0         | G000                               |                     |                      | 144                   | 52                   |
| 09205E                              | 0548N | 2402-03225        | 00000/0000                   | 2-20021/0796               | 02/28/76         | 80                  | 5597            | 47.4         | 109.0        | G000                               |                     |                      | 143                   | 56                   |
| 09204E                              | 4604N | 2716-03470        | 00000/0000                   | 2-20038/0917               | 01/07/77         | 70                  | 9976            | 15.4         | 148.9        | FFGG                               |                     |                      | 151                   | 28                   |
| 09204E                              | 2311N | 2441-03334        | 00000/0000                   | 2-20022/1479               | 04/07/76         | 40                  | 6141            | 52.6         | 110.4        | G000                               |                     |                      | 146                   | 44                   |
| 09204E                              | 2309N | 2567-03302        | 00000/0000                   | 2-20030/1110               | 08/11/76         | 30                  | 7898            | 54.7         | 96.2         | G000                               |                     |                      | 146                   | 44                   |
| 09204E                              | 1725N | 2440-03224        | 00000/0000                   | 2-20022/1374               | 04/06/76         | 10                  | 6127            | 53.1         | 102.8        | GFGG                               |                     |                      | 145                   | 48                   |
| 09204E                              | 0547N | 2366-03233        | 00000/0000                   | 2-20020/0136               | 01/23/76         | 30                  | 5095            | 43.3         | 124.0        | G000                               |                     |                      | 143                   | 56                   |
| 09203E                              | 4600N | 2698-03475        | 00000/0000                   | 2-20037/1183               | 12/20/76         | 70                  | 9725            | 16.3         | 151.3        | G000                               |                     |                      | 151                   | 28                   |
| 09203E                              | 2306N | 2549-03305        | 00000/0000                   | 2-20029/0180               | 07/24/76         | 50                  | 7647            | 55.7         | 88.3         | G000                               |                     |                      | 146                   | 44                   |
| 09203E                              | 2303N | 2495-03322        | 00000/0000                   | 2-20026/0095               | 05/31/76         | 40                  | 6894            | 58.5         | 35.2         | G000                               |                     |                      | 146                   | 44                   |
| 09203E                              | 1718N | 2494-03282        | 00000/0000                   | 2-20026/0460               | 05/30/76         | 30                  | 6880            | 56.6         | 76.5         | G000                               |                     |                      | 145                   | 48                   |
| 09202E                              | 5724N | 2450-04151        | 00000/0000                   | 2-20024/0020               | 04/16/76         | 90                  | 6267            | 39.3         | 148.9        | G000                               |                     |                      | 155                   | 20                   |
| 09202E                              | 5722N | 2468-04144        | 00000/0000                   | 2-20024/1340               | 05/04/76         | 10                  | 6518            | 45.0         | 147.3        | G000                               |                     |                      | 155                   | 20                   |
| 09201E                              | 2308N | 2693-03260        | 00000/0000                   | 2-20037/0896               | 12/15/76         | 10                  | 9655            | 32.3         | 141.2        | G000                               |                     |                      | 146                   | 44                   |
| 09201E                              | 2304N | 2423-03342        | 00000/0000                   | 2-20027/0276               | 03/20/76         | 10                  | 5890            | 47.8         | 118.4        | G000                               |                     |                      | 146                   | 44                   |
| 09201E                              | 2302N | 2657-03273        | 00000/0000                   | 2-20036/0127               | 11/09/76         | 20                  | 9153            | 39.3         | 139.0        | G000                               |                     |                      | 146                   | 44                   |
| 09200E                              | 2310N | 2711-03251        | 00000/0000                   | 2-20038/0536               | 01/02/77         | 10                  | 9906            | 31.2         | 139.0        | FGFF                               |                     |                      | 146                   | 44                   |
| 09200E                              | 1718N | 2422-03302        | 00000/0000                   | 2-20022/0229               | 03/19/76         | 0                   | 5876            | 49.2         | 112.1        | F F                                |                     |                      | 145                   | 48                   |
| 09200E                              | 1130N | 2367-03274        | 00000/0000                   | 2-20020/0212               | 01/24/76         | 30                  | 5109            | 40.7         | 128.5        | GGFG                               |                     |                      | 144                   | 52                   |
| 09159E                              | 3312N | 2695-03343        | 00000/0000                   | 2-20034/0014               | 12/17/76         | 0                   | 9683            | 25.1         | 146.1        | G000                               |                     |                      | 148                   | 37                   |
| 09159E                              | 1131N | 2403-03265        | 00000/0000                   | 2-20021/0850               | 02/29/76         | 40                  | 5611            | 46.3         | 114.6        | FGGG                               |                     |                      | 144                   | 52                   |
| 09158E                              | 2306N | 2675-03264        | 00000/0000                   | 2-20036/1304               | 11/27/76         | 90                  | 5404            | 35.2         | 141.4        | G000                               |                     |                      | 146                   | 44                   |
| 09157E                              | 5722N | 2574-04111        | 00000/0000                   | 2-20032/0982               | 09/07/76         | 10                  | 8273            | 35.2         | 149.5        | FGGG                               |                     |                      | 155                   | 20                   |
| 09157E                              | 3313N | 2713-03334        | 00000/0000                   | 2-20038/1112               | 01/04/77         | 40                  | 9934            | 24.5         | 143.7        | FGGG                               |                     |                      | 148                   | 37                   |
| 09157E                              | 2302N | 2405-03345        | 00000/0000                   | 2-20021/0974               | 03/02/76         | 10                  | 5639            | 42.7         | 125.2        | G000                               |                     |                      | 146                   | 44                   |
| 09157E                              | 2259N | 2369-03355        | 00000/0000                   | 2-20020/0390               | 01/26/76         | 10                  | 5137            | 34.6         | 136.1        | G00                                |                     |                      | 146                   | 44                   |
| 09157E                              | 1719N | 2404-03305        | 00000/0000                   | 2-20021/0933               | 03/01/76         | 10                  | 5625            | 44.7         | 120.1        | FGGG                               |                     |                      | 145                   | 48                   |
| 09157E                              | 1716N | 2368-03314        | 00000/0000                   | 2-20020/0335               | 01/25/76         | 10                  | 5123            | 37.8         | 132.5        | G000                               |                     |                      | 145                   | 48                   |
| 09155E                              | 5712N | 2486-04141        | 00000/0000                   | 2-20025/1032               | 05/22/76         | 70                  | 6769            | 49.3         | 144.9        | G000                               |                     |                      | 155                   | 20                   |
| 09155E                              | 3311N | 2731-03330        | 00000/0000                   | 2-20039/0155               | 01/22/77         | 0                   | 185             | 26.0         | 140.2        | GFGG                               |                     |                      | 148                   | 37                   |
| 09155E                              | 3309N | 2677-03351        | 00000/0000                   | 2-20036/1483               | 11/29/76         | 10                  | 9432            | 27.7         | 146.9        | G000                               |                     |                      | 148                   | 37                   |
| 09155E                              | 3307N | 2659-03360        | 00000/0000                   | 2-20036/0302               | 11/11/76         | 0                   | 9181            | 31.9         | 145.8        | PPPP                               |                     |                      | 148                   | 37                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0845

| PRINCIPAL POINT<br>OF IMAGE | SERVIATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER % | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|------------------|-----------------------|----------------------|------------------|------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                  | RBV                   | MSS                  |                  |                  |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 09154E                      | 5720N            | 2576-04114            | 00000/0000           | 2-20030/1532     | 08/20/76         | 50              | 8024         | 40.9         | 145.7                 | FGGG                |                      | 155                   | 20                   |
| 09154E                      | 5715N            | 2612-04104            | 00000/0000           | 2-20032/1794     | 09/25/76         | 0               | 8526         | 28.9         | 153.2                 | GGGG                |                      | 155                   | 20                   |
| 09153E                      | 4145N            | 2697-03432            | 00000/0000           | 2-20032/0284     | 12/19/76         | 80              | 9711         | 18.6         | 149.6                 | FFGF                |                      | 150                   | 31                   |
| 09153E                      | 0425N            | 2456-03213            | 00000/0000           | 2-20024/0349     | 04/22/76         | 30              | 6350         | 52.3         | 75.7                  | GGGG                |                      | 143                   | 57                   |
| 09152E                      | 4854N            | 2717-03520            | 00000/0000           | 2-20032/1037     | 01/08/77         | 10              | 9990         | 13.4         | 150.0                 | GGGF                |                      | 152                   | 26                   |
| 09152E                      | 4852N            | 2699-03524            | 00000/0000           | 2-20037/1136     | 12/21/76         | 30              | 9739         | 13.0         | 152.4                 | GGGG                |                      | 152                   | 26                   |
| 09152E                      | 4148N            | 2715-03424            | 00000/0000           | 2-20038/0828     | 01/06/77         | 90              | 9962         | 18.4         | 147.2                 | PGGG                |                      | 150                   | 31                   |
| 09152E                      | 3731N            | 2714-03381            | 00000/0000           | 2-20038/0779     | 01/05/77         | 10              | 9948         | 21.5         | 145.5                 | FGGG                |                      | 149                   | 34                   |
| 09151E                      | 3729N            | 2696-03325            | 00000/0000           | 2-20038/0052     | 12/18/76         | 80              | 9697         | 21.9         | 147.9                 | FGGG                |                      | 149                   | 34                   |
| 09150E                      | 4140N            | 2679-03441            | 00000/0000           | 2-20036/1638     | 12/01/76         | 60              | 9460         | 20.9         | 150.9                 | FFFG                |                      | 150                   | 31                   |
| 09149E                      | 5714N            | 2558-04121            | 00000/0000           | 2-20030/0578     | 08/02/76         | 50              | 7773         | 45.8         | 142.5                 | FGGG                |                      | 155                   | 20                   |
| 09149E                      | 5708N            | 2540-04125            | 00000/0000           | 2-20028/1449     | 07/15/76         | 90              | 7522         | 49.5         | 140.6                 | GGGG                |                      | 155                   | 20                   |
| 09149E                      | 5435N            | 2467-04094            | 00000/0000           | 2-20024/1221     | 05/03/76         | 80              | 6504         | 46.6         | 144.0                 | G GG                |                      | 154                   | 22                   |
| 09149E                      | 4137N            | 2661-03445            | 00000/0000           | 2-20036/0466     | 11/13/76         | 10              | 9209         | 25.0         | 150.5                 | GGGF                |                      | 150                   | 31                   |
| 09149E                      | 0421N            | 2492-03204            | 00000/0000           | 2-20026/0315     | 05/28/76         | 20              | 6852         | 50.1         | 61.3                  | GGGG                |                      | 143                   | 57                   |
| 09148E                      | 3722N            | 2660-03402            | 00000/0000           | 2-20034/0342     | 11/12/76         | 60              | 9195         | 28.5         | 148.2                 | GGFF                |                      | 149                   | 34                   |
| 09148E                      | 1032N            | 2421-03263            | 00000/0000           | 2-20022/0226     | 03/18/76         | 10              | 5862         | 50.0         | 104.3                 | GGGG                |                      | 144                   | 53                   |
| 09148E                      | 1011N            | 2457-03253            | 00000/0000           | 2-20024/0422     | 04/23/76         | 50              | 6364         | 54.3         | 82.6                  | FGGG                |                      | 144                   | 53                   |
| 09148E                      | 0420N            | 2420-03224            | 00000/0000           | 2-20021/1715     | 03/17/76         | 40              | 5848         | 50.0         | 97.3                  | GGGG                |                      | 143                   | 57                   |
| 09147E                      | 5705N            | 2522-04132            | 00000/0000           | 2-20028/0140     | 06/27/76         | 10              | 7271         | 51.5         | 140.6                 | GGGG                |                      | 155                   | 20                   |
| 09147E                      | 4848N            | 2681-03532            | 00000/0000           | 2-20037/0019     | 12/03/76         | 90              | 9488         | 15.0         | 154.0                 | GGFG                |                      | 152                   | 26                   |
| 09147E                      | 3725N            | 2678-03394            | 00000/0000           | 2-20036/1600     | 11/30/76         | 0               | 9446         | 24.4         | 149.0                 | PGGF                |                      | 149                   | 34                   |
| 09147E                      | 1010N            | 2439-03261            | 00000/0000           | 2-20022/1336     | 04/05/76         | 50              | 6113         | 52.8         | 93.3                  | GGFF                |                      | 144                   | 53                   |
| 09145E                      | 5143N            | 2466-04045            | 00000/0000           | 2-20024/1130     | 05/02/76         | 0               | 6490         | 48.1         | 140.5                 | GGGG                |                      | 153                   | 24                   |
| 09145E                      | 1008N            | 2493-03244            | 00000/0000           | 2-20026/0251     | 05/29/76         | 10              | 6866         | 53.3         | 67.2                  | GGGG                |                      | 144                   | 53                   |
| 09145E                      | 0421N            | 2402-03231            | 00000/0000           | 2-20021/0797     | 02/28/76         | 100             | 5597         | 47.6         | 107.4                 | GGGG                |                      | 143                   | 57                   |
| 09144E                      | 5432N            | 2575-04065            | 00000/0000           | 2-20030/1567     | 08/19/76         | 60              | 8010         | 43.0         | 142.3                 | GGGG                |                      | 154                   | 22                   |
| 09144E                      | 2728N            | 2712-03294            | 00000/0000           | 2-20038/0621     | 01/03/77         | 10              | 9920         | 28.3         | 141.1                 | FGGG                |                      | 147                   | 41                   |
| 09144E                      | 2726N            | 2694-03303            | 00000/0000           | 2-20037/0966     | 12/16/76         | 10              | 9669         | 29.3         | 143.4                 | GGGG                |                      | 147                   | 41                   |
| 09144E                      | 0421N            | 2366-03240            | 00000/0000           | 2-20020/0137     | 01/23/76         | 30              | 5095         | 43.9         | 122.7                 | GGGG                |                      | 143                   | 57                   |
| 09143E                      | 5145N            | 2574-04020            | 00000/0000           | 2-20030/1495     | 08/18/76         | 30              | 7996         | 45.0         | 138.7                 | GGFF                |                      | 153                   | 24                   |
| 09143E                      | 4842N            | 2663-03541            | 00000/0000           | 2-20036/0655     | 11/15/76         | 10              | 9237         | 19.0         | 154.1                 | PGFF                |                      | 152                   | 26                   |
| 09143E                      | 1558N            | 2440-03331            | 00000/0000           | 2-20022/1375     | 04/06/76         | 20              | 6127         | 53.2         | 100.8                 | GGGG                |                      | 145                   | 49                   |
| 09142E                      | 2726N            | 2730-03290            | 00000/0000           | 2-20039/0894     | 01/21/77         | 30              | 171          | 29.5         | 137.4                 | GGGG                |                      | 147                   | 41                   |
| 09142E                      | 2144N            | 2441-03341            | 00000/0000           | 2-20022/1480     | 04/07/76         | 20              | 6141         | 52.9         | 108.4                 | GGFG                |                      | 146                   | 45                   |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER:  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL No./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09142E 2144N                            | 2567-03304        | 00000/0000                   | 2-20030/1111                | 08/11/76         | 30                  | 7898            | 54.5         | 94.1         |                                    |                     |                      | 146                   | 45                   |
| 09142E 2140N                            | 2549-03312        | 00000/0000                   | 2-20029/0181                | 07/24/76         | 60                  | 7647            | 55.4         | 86.1         | GGGG                               |                     |                      | 146                   | 45                   |
| 09141E 2723N                            | 2676-03311        | 00000/0000                   | 2-20036/1417                | 11/28/76         | 80                  | 9418            | 32.1         | 143.9        | GGGG                               |                     |                      | 147                   | 41                   |
| 09141E 2720N                            | 2658-03320        | 00000/0000                   | 2-20036/0162                | 11/10/76         | 50                  | 9167            | 36.2         | 142.1        | GGGF                               |                     |                      | 147                   | 41                   |
| 09141E 1552N                            | 2494-03284        | 00000/0000                   | 2-20026/0461                | 05/30/76         | 30                  | 6880            | 56.0         | 74.4         | GGFG                               |                     |                      | 145                   | 49                   |
| 09140E 2136N                            | 2495-03324        | 00000/0000                   | 2-20026/0096                | 05/31/76         | 70                  | 6894            | 58.1         | 82.9         | GGGG                               |                     |                      | 146                   | 45                   |
| 09139E 5425N                            | 2557-04072        | 00000/0000                   | 2-20030/0520                | 08/01/76         | 70                  | 7759            | 47.7         | 138.5        | GGG                                |                     |                      | 154                   | 22                   |
| 09139E 5133N                            | 2502-04040        | 00000/0000                   | 2-20026/0912                | 06/07/76         | 10                  | 6992            | 54.5         | 134.0        | GGGG                               |                     |                      | 153                   | 24                   |
| 09139E 2137N                            | 2423-03345        | 00000/0000                   | 2-20027/0277                | 03/20/76         | 10                  | 5890            | 48.3         | 116.7        | GGGG                               |                     |                      | 146                   | 45                   |
| 09139E 1551N                            | 2422-03304        | 00000/0000                   | 2-20027/0230                | 03/19/76         | 0                   | 5876            | 49.5         | 110.3        | FFFF                               |                     |                      | 145                   | 49                   |
| 09139E 1005N                            | 2403-03271        | 00000/0000                   | 2-20021/0851                | 02/29/76         | 70                  | 5611            | 46.6         | 113.1        | FGGG                               |                     |                      | 144                   | 53                   |
| 09139E 1003N                            | 2367-03280        | 00000/0000                   | 2-20020/0213                | 01/24/76         | 30                  | 5109            | 41.4         | 127.3        | GGFF                               |                     |                      | 144                   | 53                   |
| 09138E 5138N                            | 2556-04023        | 00000/0000                   | 2-20030/0369                | 07/31/76         | 70                  | 7745            | 49.5         | 134.6        | GGGG                               |                     |                      | 153                   | 24                   |
| 09138E 2143N                            | 2711-03254        | 00000/0000                   | 2-20038/0537                | 01/02/77         | 10                  | 9906            | 32.1         | 138.2        | FGFF                               |                     |                      | 146                   | 45                   |
| 09138E 2142N                            | 2693-03262        | 00000/0000                   | 2-20037/0897                | 12/15/76         | 10                  | 9655            | 33.3         | 140.4        | GGGG                               |                     |                      | 146                   | 45                   |
| 09137E 5419N                            | 2539-04075        | 00000/0000                   | 2-20028/1406                | 07/14/76         | 90                  | 7508            | 51.2         | 136.4        | GGGG                               |                     |                      | 154                   | 22                   |
| 09137E 5132N                            | 2538-04030        | 00000/0000                   | 2-20028/1829                | 07/13/76         | 20                  | 7494            | 52.8         | 132.1        | FFGF                               |                     |                      | 153                   | 24                   |
| 09137E 5128N                            | 2664-03530        | 00000/0000                   | 2-20036/0762                | 11/16/76         | 60                  | 9251            | 16.5         | 155.6        | FGGG                               |                     |                      | 153                   | 24                   |
| 09136E 2140N                            | 2675-03271        | 00000/0000                   | 2-20036/1305                | 11/27/76         | 100                 | 9404            | 36.2         | 140.5        | GGGG                               |                     |                      | 146                   | 45                   |
| 09136E 1553N                            | 2404-03312        | 00000/0000                   | 2-20021/0934                | 03/01/76         | 30                  | 5625            | 45.2         | 118.7        | FGG                                |                     |                      | 145                   | 49                   |
| 09136E 1550N                            | 2368-03321        | 00000/0000                   | 2-20020/0336                | 01/25/76         | 30                  | 5123            | 38.5         | 131.5        | GGGG                               |                     |                      | 145                   | 49                   |
| 09135E 5416N                            | 2521-04032        | 00000/0000                   | 2-20028/0070                | 06/26/76         | 30                  | 7257            | 53.2         | 136.3        | GGGG                               |                     |                      | 154                   | 22                   |
| 09135E 2135N                            | 2405-03352        | 00000/0000                   | 2-20021/0975                | 03/02/76         | 10                  | 5639            | 43.3         | 123.9        | GGGG                               |                     |                      | 146                   | 45                   |
| 09135E 2132N                            | 2369-03361        | 00000/0000                   | 2-20020/0391                | 01/26/76         | 0                   | 5137            | 35.4         | 135.2        | FFF                                |                     |                      | 146                   | 45                   |
| 09133E 5847N                            | 2469-04195        | 00000/0000                   | 2-20024/1521                | 05/05/76         | 20                  | 6532            | 44.3         | 149.1        | GGGG                               |                     |                      | 156                   | 19                   |
| 09133E 4441N                            | 2446-03550        | 00000/0000                   | 2-20023/0044                | 04/12/76         | 0                   | 6211            | 45.9         | 135.6        | FGGG                               |                     |                      | 151                   | 29                   |
| 09133E 3146N                            | 2695-03345        | 00000/0000                   | 2-20038/0015                | 12/17/76         | 0                   | 9683            | 26.1         | 145.4        | GGGG                               |                     |                      | 148                   | 38                   |
| 09132E 3147N                            | 2713-03341        | 00000/0000                   | 2-20038/1104                | 01/04/77         | 30                  | 9934            | 25.4         | 143.0        | P P                                |                     |                      | 148                   | 38                   |
| 09130E 4439N                            | 2716-03473        | 00000/0000                   | 2-20038/0918                | 01/07/77         | 90                  | 9976            | 16.4         | 148.2        | FGGG                               |                     |                      | 151                   | 29                   |
| 09130E 3145N                            | 2731-03333        | 00000/0000                   | 2-20039/0156                | 01/22/77         | 10                  | 185             | 27.0         | 139.5        | FFGG                               |                     |                      | 148                   | 38                   |
| 09130E 3143N                            | 2677-03354        | 00000/0000                   | 2-20036/1484                | 11/29/76         | 10                  | 9432            | 28.8         | 146.2        | GGGG                               |                     |                      | 148                   | 38                   |
| 09130E 3142N                            | 2659-03362        | 00000/0000                   | 2-20036/0303                | 11/11/76         | 0                   | 9181            | 32.9         | 144.9        | GGGG                               |                     |                      | 148                   | 38                   |
| 09129E 4435N                            | 2428-03564        | 00000/0000                   | 2-20027/0622                | 03/25/76         | 10                  | 5960            | 39.3         | 138.6        | GGGG                               |                     |                      | 151                   | 29                   |
| 09129E 4435N                            | 2698-03481        | 00000/0000                   | 2-20037/1184                | 12/20/76         | 100                 | 9725            | 16.4         | 150.7        | GGGG                               |                     |                      | 151                   | 29                   |
| 09128E 4433N                            | 2680-03490        | 00000/0000                   | 2-20036/1765                | 12/02/76         | 10                  | 9474            | 18.5         | 152.1        | GGGG                               |                     |                      | 151                   | 29                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL No./<br>POSITION IN ROLL<br>MSG | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|--------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09128E 0844N                            | 2457-03260        | 00000/0000                   | 2-20024/0423                         | 04/23/76         | 40                  | 6364            | 53.9         | 80.6         |                                    |                     |                      |                       |                      |
| 09127E 4426N                            | 2662-03494        | 00000/0000                   | 2-20036/0556                         | 11/14/76         | 30                  | 9223            | 22.5         | 152.0        | GGGG                               |                     |                      | 144                   | 54                   |
| 09127E 0844N                            | 2439-03263        | 00000/0000                   | 2-20022/1337                         | 04/05/76         | 30                  | 6113            | 52.7         | 91.4         | GGGG                               |                     |                      | 151                   | 29                   |
| 09125E 5846N                            | 2577-04170        | 00000/0000                   | 2-20030/1626                         | 05/21/76         | 50                  | 8038            | 39.7         | 147.6        | GGGG                               |                     |                      | 144                   | 54                   |
| 09125E 2603N                            | 2460-03381        | 00000/0000                   | 2-20024/1255                         | 04/26/76         | 50                  | 6406            | 56.3         | 105.3        | GGGG                               |                     |                      | 156                   | 19                   |
| 09125E 0842N                            | 2493-03250        | 00000/0000                   | 2-20026/0252                         | 05/29/76         | 10                  | 6866            | 52.5         | 65.6         | GGGG                               |                     |                      | 147                   | 42                   |
| 09123E 4019N                            | 2697-03435        | 00000/0000                   | 2-20038/0285                         | 12/19/76         | 0                   | 9711            | 19.7         | 149.0        | GGGG                               |                     |                      | 144                   | 54                   |
| 09123E 3604N                            | 2714-03383        | 00000/0000                   | 2-20038/0780                         | 01/05/77         | 30                  | 9948            | 22.5         | 144.8        | GGGG                               |                     |                      | 150                   | 32                   |
| 09123E 3603N                            | 2696-03392        | 00000/0000                   | 2-20038/0053                         | 12/18/76         | 60                  | 9657            | 22.9         | 147.3        | GGGG                               |                     |                      | 149                   | 35                   |
| 09123E 1431N                            | 2440-03303        | 00000/0000                   | 2-20022/1376                         | 04/06/76         | 10                  | 6127            | 53.2         | 98.8         | GGGG                               |                     |                      | 149                   | 35                   |
| 09122E 4022N                            | 2715-03430        | 00000/0000                   | 2-20038/0829                         | 01/06/77         | 90                  | 9962            | 19.5         | 146.5        | GGGG                               |                     |                      | 145                   | 50                   |
| 09121E 5839N                            | 2559-04173        | 00000/0000                   | 2-20030/0677                         | 08/03/76         | 40                  | 7787            | 44.7         | 144.5        | GGGG                               |                     |                      | 150                   | 32                   |
| 09121E 2602N                            | 2712-03301        | 00000/0000                   | 2-20038/0622                         | 01/03/77         | 10                  | 9920            | 29.3         | 140.3        | GGGG                               |                     |                      | 156                   | 19                   |
| 09121E 2018N                            | 2441-03343        | 00000/0000                   | 2-20022/1481                         | 04/07/76         | 20                  | 6141            | 53.1         | 106.3        | GGGG                               |                     |                      | 147                   | 42                   |
| 09121E 2011N                            | 2477-03334        | 00000/0000                   | 2-20025/0336                         | 05/13/76         | 80                  | 6643            | 57.7         | 87.3         | GGGG                               |                     |                      | 146                   | 46                   |
| 09120E 4015N                            | 2679-03443        | 00000/0000                   | 2-20036/1699                         | 12/01/76         | 20                  | 9460            | 22.0         | 150.2        | GGGG                               |                     |                      | 146                   | 46                   |
| 09120E 3559N                            | 2678-03400        | 00000/0000                   | 2-20036/1601                         | 11/30/76         | 0                   | 9446            | 25.4         | 148.3        | GGGG                               |                     |                      | 150                   | 32                   |
| 09120E 3556N                            | 2660-03405        | 00000/0000                   | 2-20036/0343                         | 11/12/76         | 20                  | 9195            | 29.5         | 147.5        | GGGG                               |                     |                      | 149                   | 35                   |
| 09120E 2559N                            | 2424-03391        | 00000/0000                   | 2-20022/0353                         | 03/21/76         | 10                  | 5904            | 47.1         | 121.2        | GGGG                               |                     |                      | 149                   | 35                   |
| 09120E 2559N                            | 2694-03305        | 00000/0000                   | 2-20037/0967                         | 12/16/76         | 10                  | 9669            | 30.3         | 142.7        | GGGG                               |                     |                      | 147                   | 42                   |
| 09120E 1426N                            | 2494-03291        | 00000/0000                   | 2-20026/0462                         | 05/30/76         | 20                  | 6880            | 55.4         | 72.4         | GGGG                               |                     |                      | 147                   | 42                   |
| 09119E 4012N                            | 2661-03452        | 00000/0000                   | 2-20036/0467                         | 11/13/76         | 10                  | 9209            | 26.1         | 109.8        | GGGG                               |                     |                      | 145                   | 50                   |
| 09119E 2559N                            | 2730-03293        | 00000/0000                   | 2-20036/0895                         | 01/21/77         | 40                  | 171             | 30.4         | 136.6        | GGGG                               |                     |                      | 150                   | 32                   |
| 09119E 0837N                            | 2367-03283        | 00000/0000                   | 2-20020/0214                         | 01/24/76         | 30                  | 5109            | 42.1         | 126.1        | GGGG                               |                     |                      | 147                   | 42                   |
| 09118E 2555N                            | 2658-03322        | 00000/0000                   | 2-20036/0163                         | 11/10/76         | 30                  | 9167            | 37.1         | 141.2        | GGGG                               |                     |                      | 144                   | 54                   |
| 09118E 1425N                            | 2422-03311        | 00000/0000                   | 2-20022/0231                         | 03/19/76         | 10                  | 5876            | 49.7         | 108.6        | GGGG                               |                     |                      | 147                   | 42                   |
| 09118E 0839N                            | 2403-03274        | 00000/0000                   | 2-20021/0852                         | 02/29/76         | 80                  | 5611            | 47.0         | 111.6        | GGGG                               |                     |                      | 145                   | 50                   |
| 09117E 2554N                            | 2406-03395        | 00000/0000                   | 2-20021/0994                         | 03/03/76         | 10                  | 5653            | 41.6         | 127.5        | GGGG                               |                     |                      | 144                   | 54                   |
| 09117E 2011N                            | 2423-03351        | 00000/0000                   | 2-20022/0278                         | 03/20/76         | 10                  | 5890            | 48.7         | 115.0        | GGGG                               |                     |                      | 147                   | 42                   |
| 09116E 5828N                            | 2523-04183        | 00000/0000                   | 2-20028/0144                         | 06/25/76         | 0                   | 7285            | 50.7         | 142.7        | GGGG                               |                     |                      | 146                   | 46                   |
| 09116E 2016N                            | 2711-03260        | 00000/0000                   | 2-20038/0538                         | 01/02/77         | 10                  | 9906            | 33.0         | 137.3        | GGGG                               |                     |                      | 156                   | 19                   |
| 09116E 2014N                            | 2693-03265        | 00000/0000                   | 2-20037/0898                         | 12/15/76         | 20                  | 9655            | 34.3         | 139.5        | GGGG                               |                     |                      | 146                   | 46                   |
| 09115E 5830N                            | 2541-04180        | 00000/0000                   | 2-20028/1753                         | 07/16/76         | 10                  | 7536            | 48.5         | 142.7        | GGGG                               |                     |                      | 146                   | 46                   |
| 09115E 5828N                            | 2505-04190        | 00000/0000                   | 2-20028/1127                         | 06/10/76         | 40                  | 7034            | 50.7         | 144.3        | GGGG                               |                     |                      | 156                   | 19                   |
| 09115E 4730N                            | 2717-03522        | 00000/0000                   | 2-20038/1038                         | 01/08/77         | 10                  | 9990            | 14.4         | 149.3        | GGGG                               |                     |                      | 156                   | 19                   |
|                                         |                   |                              |                                      |                  |                     |                 |              |              |                                    |                     |                      | 152                   | 27                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 29, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0448

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SARIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 09115E                      | 4728N             | 2699-03530            | 00000/0000           | 2-20037/1137     | 12/21/76            | 40              | 9739         | 14.1         | 151.8                 | FGGG                |                      | 152                   | 27                   |
| 09115E                      | 2553N             | 2640-03330            | 00000/0000           | 2-20034/1023     | 10/23/76            | 60              | 8916         | 41.7         | 136.7                 | GGGG                |                      | 147                   | 42                   |
| 09115E                      | 2550N             | 2370-03404            | 00000/0000           | 2-20020/0415     | 01/27/76            | 10              | 5151         | 33.0         | 137.6                 | GGGG                |                      | 147                   | 42                   |
| 09115E                      | 1426N             | 2404-03314            | 00000/0000           | 2-20021/0935     | 03/01/76            | 10              | 5625         | 45.6         | 117.2                 | FGG                 |                      | 145                   | 50                   |
| 09114E                      | 2550N             | 2388-03402            | 00000/0000           | 2-20020/1353     | 02/14/76            | 80              | 5402         | 36.7         | 132.9                 | GGGG                |                      | 147                   | 42                   |
| 09114E                      | 2013N             | 2675-03273            | 00000/0000           | 2-20036/1306     | 11/27/76            | 100             | 9404         | 37.1         | 139.5                 | GGGG                |                      | 146                   | 46                   |
| 09114E                      | 1422N             | 2386-03321            | 00000/0000           | 2-20021/0093     | 02/12/76            | 20              | 5374         | 41.9         | 124.4                 | FFFF                |                      | 145                   | 50                   |
| 09113E                      | 2005N             | 2369-03364            | 00000/0000           | 2-20020/0392     | 01/26/76            | 0               | 5137         | 36.3         | 134.2                 | FFFF                |                      | 146                   | 46                   |
| 09110E                      | 5600N             | 2450-04153            | 00000/0000           | 2-20024/0021     | 04/16/76            | 90              | 6267         | 40.2         | 147.3                 | GGGG                |                      | 155                   | 21                   |
| 09110E                      | 5558N             | 2468-04150            | 00000/0000           | 2-20024/1341     | 05/04/76            | 10              | 6518         | 46.0         | 145.6                 | GGGG                |                      | 155                   | 21                   |
| 09110E                      | 4723N             | 2651-03535            | 00000/0000           | 2-20037/0020     | 12/03/76            | 50              | 9488         | 16.1         | 153.3                 | GGGG                |                      | 152                   | 27                   |
| 09108E                      | 3021N             | 2695-03352            | 00000/0000           | 2-20038/0016     | 12/17/76            | 0               | 9683         | 27.1         | 144.7                 | GGGG                |                      | 148                   | 39                   |
| 09108E                      | 0717N             | 2457-03262            | 00000/0000           | 2-20024/0424     | 04/23/76            | 30              | 6364         | 53.4         | 78.7                  | GGGG                |                      | 144                   | 55                   |
| 09107E                      | 4717N             | 2663-03542            | 00000/0000           | 2-20036/0616     | 11/15/76            | 10              | 9237         | 20.1         | 153.4                 | GGGG                |                      | 152                   | 27                   |
| 09107E                      | 3021N             | 2713-03343            | 00000/0000           | 2-20038/1112     | 01/04/77            | 10              | 9934         | 26.4         | 142.3                 | FGGG                |                      | 148                   | 39                   |
| 09106E                      | 0716N             | 2439-03270            | 00000/0000           | 2-20022/1338     | 04/05/76            | 30              | 6113         | 52.4         | 89.5                  | FGGG                |                      | 144                   | 55                   |
| 09105E                      | 5558N             | 2594-04114            | 00000/0000           | 2-20032/0933     | 09/07/76            | 10              | 8275         | 36.2         | 148.1                 | GGGG                |                      | 155                   | 21                   |
| 09105E                      | 3019N             | 2731-03335            | 00000/0000           | 2-20039/0157     | 01/22/77            | 0               | 185          | 27.9         | 138.7                 | FGGG                |                      | 148                   | 39                   |
| 09105E                      | 3017N             | 2677-03360            | 00000/0000           | 2-20036/1485     | 11/29/76            | 30              | 9432         | 29.8         | 145.5                 | GGGG                |                      | 148                   | 39                   |
| 09105E                      | 3016N             | 2659-03365            | 00000/0000           | 2-20036/0304     | 11/11/76            | 0               | 9181         | 33.9         | 144.1                 | GGGG                |                      | 148                   | 39                   |
| 09104E                      | 5547N             | 2486-04144            | 00000/0000           | 2-20025/1033     | 05/22/76            | 70              | 6769         | 50.2         | 143.0                 | GGGG                |                      | 155                   | 21                   |
| 09104E                      | 5311N             | 2467-04101            | 00000/0000           | 2-20024/1241     | 05/03/76            | 90              | 6504         | 47.5         | 142.2                 | GGGG                |                      | 154                   | 23                   |
| 09104E                      | 0714N             | 2493-03253            | 00000/0000           | 2-20026/0253     | 05/29/76            | 20              | 6866         | 51.7         | 64.0                  | GGGG                |                      | 144                   | 55                   |
| 09103E                      | 5556N             | 2576-04121            | 00000/0000           | 2-20030/1533     | 08/20/76            | 10              | 8024         | 41.8         | 144.1                 | FGGG                |                      | 155                   | 21                   |
| 09103E                      | 5018N             | 2700-03580            | 00000/0000           | 2-20037/1227     | 12/22/76            | 70              | 9753         | 11.9         | 152.9                 | FGGG                |                      | 153                   | 25                   |
| 09102E                      | 5551N             | 2612-04111            | 00000/0000           | 2-20037/1795     | 09/25/76            | 30              | 8526         | 30.0         | 152.0                 | GGGG                |                      | 155                   | 21                   |
| 09102E                      | 2436N             | 2400-03383            | 00000/0000           | 2-20024/1156     | 04/26/76            | 60              | 6406         | 56.4         | 103.0                 | GGGG                |                      | 147                   | 43                   |
| 09102E                      | 1305N             | 2440-03310            | 00000/0000           | 2-20022/1377     | 04/06/76            | 10              | 6127         | 53.2         | 96.7                  | GGGG                |                      | 145                   | 51                   |
| 09101E                      | 4316N             | 2448-03553            | 00000/0000           | 2-20023/0045     | 04/12/76            | 0               | 6211         | 46.6         | 134.0                 | GGGG                |                      | 151                   | 30                   |
| 09101E                      | 4313N             | 2464-03560            | 00000/0000           | 2-20024/0761     | 04/30/76            | 60              | 6468         | 52.2         | 129.7                 | GGGG                |                      | 151                   | 30                   |
| 09100E                      | 5011N             | 2682-03584            | 00000/0000           | 2-20036/1881     | 12/04/76            | 40              | 9502         | 13.7         | 154.6                 | PPP                 |                      | 153                   | 25                   |
| 09059E                      | 5550N             | 2558-04124            | 00000/0000           | 2-20030/0579     | 08/02/76            | 50              | 7773         | 46.7         | 140.6                 | FGGG                |                      | 155                   | 21                   |
| 09059E                      | 5545N             | 2540-04131            | 00000/0000           | 2-20028/1450     | 07/15/76            | 90              | 7522         | 50.3         | 138.6                 | GGGG                |                      | 155                   | 21                   |
| 09059E                      | 5309N             | 2575-04071            | 00000/0000           | 2-20030/1568     | 08/19/76            | 70              | 8010         | 43.9         | 140.6                 | GGGG                |                      | 154                   | 23                   |
| 09059E                      | 4315N             | 2716-03475            | 00000/0000           | 2-20038/0919     | 01/07/77            | 90              | 9976         | 17.5         | 147.6                 | FFGG                |                      | 151                   | 30                   |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NSN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0449

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09059E 1845N                | 2477-03340        | 00000/0000 2-20025/0337                 | 05/13/76         | 40                  | 6643            | 57.3         | 85.0         | FFFF                               |                     |                      | 146                   | 47                   |
| 09059E 1259N                | 2494-03293        | 00000/0000 2-20026/0463                 | 05/30/76         | 70                  | 6880            | 54.7         | 70.5         | FFFF                               |                     |                      | 145                   | 51                   |
| 09059E 0711N                | 2367-03285        | 00000/0000 2-20020/0215                 | 01/24/76         | 40                  | 5109            | 42.7         | 124.9        | GGFG                               |                     |                      | 144                   | 55                   |
| 09058E 5300N                | 2485-04094        | 00000/0000 2-20025/0969                 | 05/21/76         | 90                  | 6755            | 51.7         | 139.1        | GGGG                               |                     |                      | 154                   | 23                   |
| 09058E 2436N                | 2712-03303        | 00000/0000 2-20028/0623                 | 01/03/77         | 10                  | 9920            | 30.2         | 139.6        | GGGG                               |                     |                      | 147                   | 43                   |
| 09058E 0713N                | 2403-03280        | 00000/0000 2-20021/0853                 | 02/29/76         | 80                  | 5611            | 47.3         | 110.0        | GGGG                               |                     |                      | 144                   | 55                   |
| 09057E 5542N                | 2522-04134        | 00000/0000 2-20028/0141                 | 06/27/76         | 20                  | 7271            | 52.3         | 138.4        | GGGG                               |                     |                      | 155                   | 21                   |
| 09057E 5004N                | 2664-03593        | 00000/0000 2-20036/0763                 | 11/16/76         | 40                  | 9251            | 17.6         | 154.9        | FGFF                               |                     |                      | 153                   | 25                   |
| 09057E 4310N                | 2428-03570        | 00000/0000 2-20022/0623                 | 03/25/76         | 50                  | 5960            | 40.2         | 137.3        | FGGG                               |                     |                      | 151                   | 30                   |
| 09057E 4310N                | 2698-03484        | 00000/0000 2-20037/1185                 | 12/20/76         | 100                 | 9725            | 17.4         | 150.1        | FGGG                               |                     |                      | 151                   | 30                   |
| 09057E 3439N                | 2714-03390        | 00000/0000 2-20038/0781                 | 01/05/77         | 20                  | 9948            | 23.5         | 144.2        | FGGG                               |                     |                      | 149                   | 36                   |
| 09057E 3437N                | 2696-03394        | 00000/0000 2-20038/0054                 | 12/18/76         | 40                  | 9697            | 24.0         | 146.6        | GGGF                               |                     |                      | 149                   | 36                   |
| 09057E 2433N                | 2694-03312        | 00000/0000 2-20037/0968                 | 12/16/76         | 10                  | 9669            | 31.3         | 141.9        | GGGG                               |                     |                      | 147                   | 43                   |
| 09057E 2432N                | 2424-03394        | 00000/0000 2-20022/0354                 | 03/21/76         | 10                  | 5904            | 47.6         | 119.6        | FGGG                               |                     |                      | 147                   | 43                   |
| 09057E 2432N                | 2730-03295        | 00000/0000 2-20039/0896                 | 01/21/77         | 10                  | 171             | 31.3         | 135.8        | FGGG                               |                     |                      | 147                   | 43                   |
| 09057E 1259N                | 2422-03313        | 00000/0000 2-20022/0232                 | 03/19/76         | 10                  | 5876            | 49.9         | 106.8        | GFFG                               |                     |                      | 145                   | 51                   |
| 09056E 5307N                | 2593-04064        | 00000/0000 2-20032/0830                 | 09/06/76         | 10                  | 8261            | 38.4         | 145.1        | GGGG                               |                     |                      | 154                   | 23                   |
| 09056E 4308N                | 2680-03492        | 00000/0000 2-20036/1765                 | 12/02/76         | 10                  | 9474            | 19.6         | 151.5        | GGGG                               |                     |                      | 151                   | 30                   |
| 09056E 1843N                | 2657-03284        | 00000/0000 2-20036/0128                 | 11/09/76         | 10                  | 9183            | 41.9         | 135.8        | FGGG                               |                     |                      | 146                   | 47                   |
| 09055E 4301N                | 2662-03501        | 00000/0000 2-20036/0557                 | 11/14/76         | 50                  | 9223            | 23.6         | 151.3        | GGGG                               |                     |                      | 151                   | 30                   |
| 09055E 2431N                | 2676-03320        | 00000/0000 2-20036/1418                 | 11/28/76         | 30                  | 7418            | 34.1         | 142.3        | FFGG                               |                     |                      | 147                   | 43                   |
| 09055E 2429N                | 2406-03401        | 00000/0000 2-20021/0995                 | 03/03/76         | 20                  | 5653            | 42.3         | 126.2        | GGGG                               |                     |                      | 147                   | 43                   |
| 09055E 2429N                | 2658-03325        | 00000/0000 2-20036/0164                 | 11/10/76         | 10                  | 9167            | 38.1         | 140.2        | GGGG                               |                     |                      | 147                   | 43                   |
| 09055E 1850N                | 2711-03263        | 00000/0000 2-20038/0539                 | 01/02/77         | 40                  | 9906            | 33.9         | 136.5        | FGGF                               |                     |                      | 146                   | 47                   |
| 09055E 1847N                | 2693-03271        | 00000/0000 2-20037/0899                 | 12/15/76         | 20                  | 9655            | 35.2         | 138.7        | GGGF                               |                     |                      | 146                   | 47                   |
| 09055E 1259N                | 2404-03321        | 00000/0000 2-20021/0936                 | 03/01/76         | 20                  | 5625            | 46.1         | 115.7        | FGGG                               |                     |                      | 145                   | 51                   |
| 09054E 5301N                | 2557-04075        | 00000/0000 2-20030/0658                 | 08/01/76         | 90                  | 7759            | 48.5         | 136.7        | GGGG                               |                     |                      | 154                   | 23                   |
| 09054E 3854N                | 2697-03441        | 00000/0000 2-20038/0286                 | 12/19/76         | 0                   | 9711            | 20.7         | 148.4        | FGGG                               |                     |                      | 150                   | 33                   |
| 09054E 1257N                | 2368-03330        | 00000/0000 2-20020/0589                 | 01/25/76         | 30                  | 5123            | 40.0         | 129.3        | GGGG                               |                     |                      | 145                   | 51                   |
| 09053E 3434N                | 2678-03403        | 00000/0000 2-20036/1602                 | 11/20/76         | 10                  | 9446            | 26.5         | 147.6        | FGGG                               |                     |                      | 149                   | 36                   |
| 09053E 3431N                | 2660-03411        | 00000/0000 2-20036/0344                 | 11/12/76         | 0                   | 9195            | 30.6         | 146.7        | GGFG                               |                     |                      | 149                   | 36                   |
| 09053E 2425N                | 2370-03410        | 00000/0000 2-20020/0416                 | 01/27/76         | 0                   | 5151            | 33.9         | 136.7        | GGGG                               |                     |                      | 147                   | 43                   |
| 09053E 1846N                | 2675-03280        | 00000/0000 2-20036/1307                 | 11/27/76         | 100                 | 9404            | 38.1         | 138.6        | GGGG                               |                     |                      | 146                   | 47                   |
| 09053E 1256N                | 2386-03324        | 00000/0000 2-20021/0094                 | 02/12/76         | 30                  | 5374            | 42.5         | 123.2        | GGFF                               |                     |                      | 145                   | 51                   |
| 09052E 5255N                | 2539-04082        | 00000/0000 2-20028/1407                 | 07/14/76         | 100                 | 7508            | 52.0         | 134.3        | GGGG                               |                     |                      | 154                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, 4=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0850

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09052E 3856N                            | 2715-03433        | 00000/0000 2-20038/0830                            | 01/06/77         | 70                  | 9962            | 20.6         | 145.9        | FGGG                               |                     |                      | 150                   | 33                   |
| 09051E 3849N                            | 2679-03450        | 00000/0000 2-20036/1700                            | 12/01/76         | 0                   | 9460            | 23.1         | 149.6        | FGGG                               |                     |                      | 150                   | 33                   |
| 09051E 1844N                            | 2405-03361        | 00000/0000 2-20021/0634                            | 03/02/76         | 0                   | 5639            | 44.4         | 121.1        | GFFF                               |                     |                      | 146                   | 47                   |
| 09051E 1840N                            | 2387-03364        | 00000/0000 2-20020/1501                            | 02/13/76         | 10                  | 5388            | 40.2         | 127.7        | FFFF                               |                     |                      | 146                   | 47                   |
| 09050E 5252N                            | 2521-04085        | 00000/0000 2-20028/0071                            | 05/26/76         | 20                  | 7257            | 53.9         | 134.0        | GGGG                               |                     |                      | 154                   | 23                   |
| 09050E 3848N                            | 2661-03454        | 00000/0000 2-20036/0468                            | 11/13/76         | 0                   | 9209            | 27.2         | 149.0        | GGGG                               |                     |                      | 150                   | 33                   |
| 09047E 0549N                            | 2457-03265        | 00000/0000 2-20024/0425                            | 04/23/76         | 20                  | 6364            | 52.8         | 76.9         | GFGG                               |                     |                      | 144                   | 56                   |
| 09046E 0550N                            | 2439-03272        | 00000/0000 2-20027/1339                            | 04/05/76         | 40                  | 6113            | 52.2         | 87.6         | GGGG                               |                     |                      | 144                   | 56                   |
| 09044E 2855N                            | 2695-03354        | 00000/0000 2-20038/0017                            | 12/17/76         | 0                   | 9683            | 28.2         | 144.1        | GGGG                               |                     |                      | 144                   | 56                   |
| 09043E 0548N                            | 2493-03255        | 00000/0000 2-20026/0254                            | 05/29/76         | 70                  | 6866            | 50.8         | 62.5         | GGGG                               |                     |                      | 144                   | 56                   |
| 09042E 2855N                            | 2713-03350        | 00000/0000 2-20038/1114                            | 01/04/77         | 10                  | 9934            | 27.4         | 141.6        | FGGG                               |                     |                      | 148                   | 40                   |
| 09041E 4603N                            | 2699-03533        | 00000/0000 2-20037/1138                            | 12/21/76         | 50                  | 9739            | 15.2         | 151.2        | FFGG                               |                     |                      | 152                   | 28                   |
| 09041E 2853N                            | 2731-03347        | 00000/0000 2-20039/0158                            | 01/22/77         | 10                  | 185             | 28.8         | 138.0        | GGGF                               |                     |                      | 148                   | 40                   |
| 09041E 2851N                            | 2677-03363        | 00000/0000 2-20036/1486                            | 11/29/76         | 20                  | 9432            | 30.8         | 144.7        | GGGG                               |                     |                      | 148                   | 40                   |
| 09041E 1140N                            | 2440-03312        | 00000/0000 2-20027/1378                            | 04/06/76         | 20                  | 6127            | 53.1         | 94.7         | GGGF                               |                     |                      | 145                   | 52                   |
| 09040E 4604N                            | 2717-03525        | 00000/0000 2-20038/1039                            | 01/08/77         | 0                   | 9990            | 15.5         | 148.7        | GGGG                               |                     |                      | 152                   | 28                   |
| 09040E 2850N                            | 2659-03371        | 00000/0000 2-20036/0305                            | 11/11/76         | 10                  | 9181            | 34.9         | 143.2        | GGGG                               |                     |                      | 148                   | 40                   |
| 09039E 2311N                            | 2460-03390        | 00000/0000 2-20024/1157                            | 04/26/76         | 40                  | 6406            | 56.4         | 100.7        | GGGG                               |                     |                      | 147                   | 44                   |
| 09039E 1133N                            | 2494-03300        | 00000/0000 2-20026/0464                            | 05/30/76         | 80                  | 6880            | 54.0         | 68.7         | GGGG                               |                     |                      | 145                   | 52                   |
| 09038E 5724N                            | 2469-04202        | 00000/0000 2-20024/1522                            | 05/05/76         | 10                  | 6532            | 45.3         | 147.3        | GGGG                               |                     |                      | 156                   | 20                   |
| 09038E 2309N                            | 2442-03392        | 00000/0000 2-20027/1698                            | 04/08/76         | 80                  | 6155            | 52.9         | 109.8        | GGGG                               |                     |                      | 147                   | 44                   |
| 09038E 0546N                            | 2403-03283        | 00000/0000 2-20021/0854                            | 02/29/76         | 70                  | 5611            | 47.5         | 108.4        | GGGG                               |                     |                      | 144                   | 56                   |
| 09038E 0545N                            | 2367-03292        | 00000/0000 2-20020/0216                            | 01/24/76         | 30                  | 5109            | 43.3         | 123.7        | GGFG                               |                     |                      | 144                   | 56                   |
| 09037E 2304N                            | 2550-03363        | 00000/0000 2-20030/0137                            | 07/25/76         | 60                  | 7661            | 55.6         | 88.6         | GGGG                               |                     |                      | 147                   | 44                   |
| 09037E 1719N                            | 2477-03343        | 00000/0000 2-20025/0338                            | 05/13/76         | 50                  | 6643            | 56.9         | 82.7         | GGGG                               |                     |                      | 146                   | 48                   |
| 09037E 1133N                            | 2422-03320        | 00000/0000 2-20027/0233                            | 03/19/76         | 10                  | 5876            | 50.1         | 105.0        | GGFF                               |                     |                      | 145                   | 52                   |
| 09036E 4558N                            | 2681-03541        | 00000/0000 2-20037/0021                            | 12/03/76         | 10                  | 9488            | 17.2         | 152.7        | GGGG                               |                     |                      | 152                   | 28                   |
| 09035E 2309N                            | 2712-03310        | 00000/0000 2-20038/0624                            | 01/03/77         | 0                   | 9920            | 31.2         | 138.8        | GFGG                               |                     |                      | 147                   | 44                   |
| 09035E 2307N                            | 2694-03314        | 00000/0000 2-20037/0969                            | 12/16/76         | 20                  | 9669            | 32.2         | 141.1        | GGGG                               |                     |                      | 147                   | 44                   |
| 09034E 2306N                            | 2424-03400        | 00000/0000 2-20027/0355                            | 03/21/76         | 0                   | 5904            | 48.1         | 118.0        | GGGG                               |                     |                      | 147                   | 44                   |
| 09034E 2306N                            | 2730-03302        | 00000/0000 2-20039/0897                            | 01/21/77         | 20                  | 171             | 32.1         | 134.9        | FGGG                               |                     |                      | 147                   | 44                   |
| 09034E 1724N                            | 2711-03265        | 00000/0000 2-20038/0540                            | 01/02/77         | 50                  | 9906            | 34.8         | 135.6        | GGGF                               |                     |                      | 146                   | 48                   |
| 09034E 1721N                            | 2693-03274        | 00000/0000 2-20037/0900                            | 12/15/76         | 40                  | 9655            | 36.1         | 137.8        | GGGG                               |                     |                      | 146                   | 48                   |
| 09034E 1133N                            | 2404-03323        | 00000/0000 2-20021/0937                            | 03/01/76         | 10                  | 5625            | 46.5         | 114.2        | FGGG                               |                     |                      | 145                   | 52                   |
| 09033E 1129N                            | 2386-03330        | 00000/0000 2-20021/0095                            | 02/12/76         | 40                  | 5374            | 43.1         | 121.9        | GFFF                               |                     |                      | 145                   | 52                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING

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FOR NON-US

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSG | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09032E 4552N                            | 2663-03550        | 00000/0000 2-2003A/0657                            | 11/15/76         | 30                  | 9237            | 21.2         | 152.7        | GGGG                               |                     |                      | 152                   | 28                   |
| 09032E 2303N                            | 2406-03404        | 00000/0000 2-20021/0996                            | 03/03/76         | 10                  | 5653            | 42.9         | 124.9        | GGGG                               |                     |                      | 147                   | 44                   |
| 09032E 2302N                            | 2658-03331        | 00000/0000 2-20036/0165                            | 11/15/76         | 10                  | 9167            | 39.0         | 139.2        | GGGG                               |                     |                      | 147                   | 44                   |
| 09032E 1720N                            | 2675-03282        | 00000/0000 2-2003A/1308                            | 11/27/76         | 100                 | 9404            | 39.0         | 137.6        | GGGG                               |                     |                      | 144                   | 48                   |
| 09030E 5722N                            | 2577-04172        | 00000/0000 2-20030/1627                            | 08/21/76         | 30                  | 8038            | 40.6         | 146.0        | GGGG                               |                     |                      | 156                   | 20                   |
| 09030E 3313N                            | 2714-03392        | 00000/0000 2-2003A/0782                            | 01/05/77         | 30                  | 9948            | 24.5         | 143.5        | GGGG                               |                     |                      | 149                   | 37                   |
| 09030E 3311N                            | 2696-03401        | 00000/0000 2-2003A/0055                            | 12/14/76         | 20                  | 9697            | 25.0         | 146.0        | GGGG                               |                     |                      | 149                   | 37                   |
| 09030E 2258N                            | 2370-03413        | 00000/0000 2-20020/0417                            | 01/27/76         | 0                   | 5151            | 34.7         | 135.8        | GGGG                               |                     |                      | 147                   | 44                   |
| 09030E 1717N                            | 2405-03363        | 00000/0000 2-20021/0635                            | 03/02/76         | 0                   | 5639            | 44.9         | 119.7        | GFFF                               |                     |                      | 146                   | 48                   |
| 09030E 1714N                            | 2369-03373        | 00000/0000 2-20020/0294                            | 01/25/76         | 10                  | 5137            | 37.9         | 132.2        | FFGG                               |                     |                      | 146                   | 48                   |
| 09027E 5716N                            | 2559-04180        | 00000/0000 2-20030/0678                            | 08/03/76         | 50                  | 7787            | 45.6         | 142.7        | GGGG                               |                     |                      | 156                   | 20                   |
| 09027E 4855N                            | 2718-03574        | 00000/0000 2-2003A/0870                            | 01/09/77         | 10                  | 4               | 13.5         | 149.8        | FGGG                               |                     |                      | 153                   | 26                   |
| 09027E 4148N                            | 2716-03482        | 00000/0000 2-2003A/0920                            | 01/07/77         | 80                  | 9976            | 18.5         | 147.0        | FFGG                               |                     |                      | 151                   | 31                   |
| 09027E 3308N                            | 2678-03405        | 00000/0000 2-2003A/1803                            | 11/30/76         | 20                  | 9446            | 27.5         | 144.9        | PGGG                               |                     |                      | 149                   | 37                   |
| 09027E 0423N                            | 2457-03271        | 00000/0000 2-20024/0426                            | 04/23/76         | 30                  | 6364            | 52.3         | 75.1         | GFGG                               |                     |                      | 144                   | 57                   |
| 09026E 4144N                            | 2698-03490        | 00000/0000 2-20037/1186                            | 12/20/76         | 90                  | 9725            | 18.5         | 149.5        | GGGG                               |                     |                      | 151                   | 31                   |
| 09026E 3729N                            | 2697-03444        | 00000/0000 2-2003A/0287                            | 12/19/76         | 10                  | 9711            | 21.8         | 147.8        | GGGG                               |                     |                      | 150                   | 34                   |
| 09026E 0423N                            | 2439-03275        | 00000/0000 2-20027/1340                            | 04/05/76         | 40                  | 6113            | 51.9         | 85.7         | GGGF                               |                     |                      | 144                   | 57                   |
| 09025E 4143N                            | 2680-03495        | 00000/0000 2-2003A/1767                            | 12/02/76         | 0                   | 9474            | 20.7         | 150.9        | GGGG                               |                     |                      | 151                   | 31                   |
| 09024E 4853N                            | 2700-03582        | 00000/0000 2-20037/1228                            | 12/22/76         | 90                  | 9753            | 13.0         | 152.3        | FFGG                               |                     |                      | 153                   | 26                   |
| 09024E 4136N                            | 2662-03503        | 00000/0000 2-2003A/0558                            | 11/14/76         | 60                  | 9223            | 24.7         | 150.6        | GGGG                               |                     |                      | 151                   | 31                   |
| 09024E 3731N                            | 2715-03435        | 00000/0000 2-2003A/0831                            | 01/06/77         | 40                  | 9962            | 21.5         | 145.3        | GGGG                               |                     |                      | 150                   | 34                   |
| 09023E 3724N                            | 2679-03452        | 00000/0000 2-2003A/1701                            | 12/01/76         | 20                  | 9460            | 24.2         | 148.9        | FGGG                               |                     |                      | 150                   | 34                   |
| 09023E 2731N                            | 2443-03435        | 00000/0000 2-20027/1595                            | 04/09/76         | 30                  | 6169            | 52.2         | 115.3        | GGGG                               |                     |                      | 148                   | 41                   |
| 09023E 0421N                            | 2493-03262        | 00000/0000 2-2002A/0255                            | 05/29/76         | 30                  | 6866            | 50.0         | 61.1         | GGGG                               |                     |                      | 144                   | 57                   |
| 09022E 5705N                            | 2523-04190        | 00000/0000 2-2002A/0145                            | 06/28/76         | 0                   | 7285            | 51.5         | 140.5        | GGGG                               |                     |                      | 156                   | 20                   |
| 09022E 5436N                            | 2450-04160        | 00000/0000 2-20023/0248                            | 04/16/76         | 70                  | 6247            | 41.2         | 145.8        | FG G                               |                     |                      | 155                   | 22                   |
| 09022E 5434N                            | 2468-04153        | 00000/0000 2-20024/1342                            | 05/04/76         | 20                  | 6518            | 46.9         | 143.8        | GGGG                               |                     |                      | 155                   | 22                   |
| 09022E 5147N                            | 2467-04103        | 00000/0000 2-20024/1242                            | 05/03/76         | 60                  | 6504            | 48.4         | 140.4        | GGGG                               |                     |                      | 154                   | 24                   |
| 09021E 5707N                            | 2541-04183        | 00000/0000 2-2002A/1754                            | 07/16/76         | 30                  | 7536            | 49.4         | 140.6        | GGGG                               |                     |                      | 156                   | 20                   |
| 09021E 5706N                            | 2505-04193        | 00000/0000 2-2002A/1128                            | 06/10/76         | 30                  | 7034            | 51.6         | 142.2        | GGGG                               |                     |                      | 156                   | 20                   |
| 09021E 4846N                            | 2682-03591        | 00000/0000 2-2003A/1882                            | 12/04/76         | 60                  | 9502            | 14.9         | 153.9        | PPP                                |                     |                      | 153                   | 26                   |
| 09021E 3723N                            | 2661-03461        | 00000/0000 2-2003A/0469                            | 11/13/76         | 30                  | 9209            | 28.2         | 148.3        | GGGG                               |                     |                      | 150                   | 34                   |
| 09021E 1013N                            | 2440-03315        | 00000/0000 2-20027/1379                            | 04/06/76         | 10                  | 6127            | 52.9         | 92.8         | GGGG                               |                     |                      | 145                   | 53                   |
| 09019E 5145N                            | 2719-04023        | 00000/0000 2-2003A/1147                            | 01/10/77         | 10                  | 18              | 11.5         | 151.0        | FGGG                               |                     |                      | 154                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-UIS  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>R8V MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | R8V                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 09019E                      | 2729N             | 2695-03361            | 00000/0000           | 2-20038/0018     | 12/17/76            | 10              | 9683         | 29.2         | 143.3                 | GGGG                |                      | 148                   | 41                   |
| 09019E                      | 1007N             | 2494-03302            | 00000/0000           | 2-20026/0465     | 05/30/76            | 90              | 6880         | 53.2         | 67.0                  | GGGG                |                      | 145                   | 53                   |
| 09018E                      | 4840N             | 2664-03595            | 00000/0000           | 2-20036/0764     | 11/16/76            | 70              | 9251         | 18.7         | 154.2                 | FGGG                |                      | 153                   | 26                   |
| 09018E                      | 2729N             | 2713-03352            | 00000/0000           | 2-20038/1115     | 01/04/77            | 0               | 9934         | 28.4         | 140.9                 | PGGP                |                      | 148                   | 41                   |
| 09018E                      | 2726N             | 2425-03443            | 00000/0000           | 2-20027/0387     | 03/22/76            | 10              | 5918         | 46.9         | 122.4                 | GGGG                |                      | 148                   | 41                   |
| 09018E                      | 0420N             | 2403-03285            | 00000/0000           | 2-20021/0855     | 02/29/76            | 90              | 5611         | 47.7         | 106.8                 | FGFG                |                      | 144                   | 57                   |
| 09018E                      | 0418N             | 2367-03294            | 00000/0000           | 2-20020/0217     | 01/24/76            | 40              | 5109         | 43.9         | 122.4                 | GGFG                |                      | 144                   | 57                   |
| 09017E                      | 5433N             | 2594-04120            | 00000/0000           | 2-20032/0934     | 09/07/76            | 10              | 8275         | 37.1         | 146.7                 | GGGG                |                      | 155                   | 22                   |
| 09017E                      | 5145N             | 2575-04074            | 00000/0000           | 2-20030/1569     | 08/19/76            | 70              | 8010         | 44.7         | 139.0                 | GGGG                |                      | 154                   | 24                   |
| 09017E                      | 2726N             | 2731-03344            | 00000/0000           | 2-20039/0159     | 01/22/77            | 10              | 185          | 29.7         | 137.2                 | FFGF                |                      | 148                   | 41                   |
| 09017E                      | 2725N             | 2677-03365            | 00000/0000           | 2-20036/1487     | 11/29/76            | 30              | 9432         | 31.9         | 143.9                 | GGGG                |                      | 148                   | 41                   |
| 09017E                      | 2724N             | 2659-03374            | 00000/0000           | 2-20034/0306     | 11/11/76            | 40              | 9181         | 35.9         | 142.3                 | GGGG                |                      | 148                   | 41                   |
| 09016E                      | 5423N             | 2486-04150            | 00000/0000           | 2-20025/1034     | 05/22/76            | 80              | 6769         | 51.1         | 141.0                 | GGGG                |                      | 155                   | 22                   |
| 09016E                      | 2143N             | 2442-03395            | 00000/0000           | 2-20027/1699     | 04/08/76            | 50              | 6155         | 53.1         | 107.8                 | GGGG                |                      | 147                   | 45                   |
| 09016E                      | 1552N             | 2477-03345            | 00000/0000           | 2-20025/0339     | 05/13/76            | 40              | 6643         | 56.5         | 80.5                  | GGGG                |                      | 146                   | 49                   |
| 09016E                      | 1006N             | 2422-03322            | 00000/0000           | 2-20027/0234     | 03/19/76            | 10              | 5876         | 50.2         | 103.2                 | GGGF                |                      | 145                   | 53                   |
| 09015E                      | 5432N             | 2576-04123            | 00000/0000           | 2-20030/1534     | 08/20/76            | 10              | 8024         | 42.7         | 142.5                 | GGGG                |                      | 155                   | 22                   |
| 09015E                      | 5135N             | 2663-04040            | 00000/0000           | 2-20037/0106     | 12/05/76            | 10              | 9516         | 12.5         | 155.1                 | GGGG                |                      | 154                   | 24                   |
| 09015E                      | 2137N             | 2550-03370            | 00000/0000           | 2-20030/0138     | 07/25/76            | 80              | 7661         | 55.3         | 86.4                  | GGGG                |                      | 147                   | 45                   |
| 09014E                      | 5427N             | 2612-04113            | 00000/0000           | 2-20032/1796     | 09/25/76            | 50              | 8526         | 31.0         | 150.8                 | GGGG                |                      | 155                   | 22                   |
| 09014E                      | 2718N             | 2371-03460            | 00000/0000           | 2-20020/0472     | 01/28/76            | 30              | 5165         | 32.2         | 138.3                 | GGGG                |                      | 148                   | 41                   |
| 09014E                      | 2142N             | 2712-03312            | 00000/0000           | 2-20038/0625     | 01/03/77            | 0               | 9920         | 32.1         | 138.0                 | GGFF                |                      | 147                   | 45                   |
| 09014E                      | 1007N             | 2404-03330            | 00000/0000           | 2-20021/0938     | 03/01/76            | 40              | 5625         | 46.8         | 112.7                 | FGGG                |                      | 145                   | 53                   |
| 09012E                      | 5427N             | 2558-04130            | 00000/0000           | 2-20030/0580     | 08/02/76            | 40              | 7773         | 47.5         | 138.8                 | FGGG                |                      | 155                   | 22                   |
| 09012E                      | 5421N             | 2540-04134            | 00000/0000           | 2-20028/1451     | 07/15/76            | 80              | 7522         | 51.1         | 136.5                 | FGGG                |                      | 155                   | 22                   |
| 09012E                      | 5137N             | 2557-04081            | 00000/0000           | 2-20030/0659     | 08/01/76            | 90              | 7759         | 49.3         | 134.8                 | GGGG                |                      | 154                   | 24                   |
| 09012E                      | 2140N             | 2694-03321            | 00000/0000           | 2-20037/0970     | 12/16/76            | 70              | 9669         | 33.2         | 140.3                 | FGGG                |                      | 147                   | 45                   |
| 09012E                      | 2139N             | 2421-03403            | 00000/0000           | 2-20027/0366     | 03/21/76            | 20              | 5904         | 48.6         | 116.3                 | FGGG                |                      | 147                   | 45                   |
| 09012E                      | 2139N             | 2730-03304            | 00000/0000           | 2-20039/0898     | 01/21/77            | 10              | 171          | 33.0         | 134.1                 | FFGF                |                      | 147                   | 45                   |
| 09012E                      | 1003N             | 2386-03333            | 00000/0000           | 2-20021/0096     | 02/12/76            | 50              | 5374         | 43.6         | 120.6                 | FGFG                |                      | 145                   | 53                   |
| 09011E                      | 5128N             | 2665-04044            | 00000/0000           | 2-20037/0229     | 11/17/76            | 80              | 9265         | 16.2         | 155.6                 | GGGG                |                      | 154                   | 24                   |
| 09011E                      | 2138N             | 2676-03325            | 00000/0000           | 2-20036/1419     | 11/28/76            | 80              | 9418         | 36.0         | 140.5                 | FFFF                |                      | 147                   | 45                   |
| 09010E                      | 5419N             | 2522-04141            | 00000/0000           | 2-20028/0142     | 06/27/76            | 20              | 7271         | 53.1         | 136.3                 | GGGG                |                      | 155                   | 22                   |
| 09010E                      | 5132N             | 2503-04094            | 00000/0000           | 2-20026/0747     | 06/08/76            | 20              | 7006         | 54.6         | 133.8                 | GGGG                |                      | 154                   | 24                   |
| 09010E                      | 5131N             | 2539-04084            | 00000/0000           | 2-20024/1408     | 07/14/76            | 90              | 7508         | 52.6         | 132.2                 | GGGG                |                      | 154                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL PRINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBV<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09010E 2136N                            | 2406-03410        | 00000/0000 2-20021/0997                            | 03/03/76         | 10                  | 5653            | 43.5         | 123.5        | GGGG                               |                     |                      | 147                   | 45                   |
| 09010E 2136N                            | 2658-03334        | 00000/0000 2-20034/0166                            | 11/10/76         | 10                  | 9167            | 39.9         | 138.2        | GGGG                               |                     |                      | 147                   | 45                   |
| 09009E 1551N                            | 2405-03370        | 00000/0000 2-20021/0636                            | 03/02/76         | 0                   | 5639            | 45.4         | 118.2        | GFFF                               |                     |                      | 146                   | 49                   |
| 09009E 1547N                            | 2369-03375        | 00000/0000 2-20020/0295                            | 01/26/76         | 20                  | 5137            | 38.7         | 131.2        | FGFG                               |                     |                      | 146                   | 49                   |
| 09008E 5128N                            | 2521-04091        | 00000/0000 2-20028/0072                            | 06/26/76         | 30                  | 7257            | 54.6         | 131.8        | GGGG                               |                     |                      | 154                   | 24                   |
| 09008E 2132N                            | 2370-03415        | 00000/0000 2-20020/0418                            | 01/27/76         | 10                  | 5151            | 35.6         | 134.9        | FGFG                               |                     |                      | 147                   | 45                   |
| 09007E 5847N                            | 2452-04261        | 00000/0000 2-20024/0079                            | 04/18/76         | 20                  | 6295            | 39.0         | 150.3        | GGGG                               |                     |                      | 157                   | 19                   |
| 09007E 4440N                            | 2455-04011        | 00000/0000 2-20024/0821                            | 05/01/76         | 0                   | 6476            | 51.7         | 131.5        | GGGG                               |                     |                      | 152                   | 29                   |
| 09007E 4439N                            | 2699-03535        | 00000/0000 2-20037/1139                            | 12/21/76         | 40                  | 9739            | 16.3         | 150.6        | GGGG                               |                     |                      | 152                   | 29                   |
| 09007E 4437N                            | 2429-04022        | 00000/0000 2-20027/0667                            | 03/26/76         | 90                  | 5974            | 39.7         | 138.5        | GGGG                               |                     |                      | 152                   | 29                   |
| 09006E 5847N                            | 2470-04254        | 00000/0000 2-20024/1487                            | 05/06/76         | 50                  | 6546            | 44.6         | 148.9        | GGGG                               |                     |                      | 157                   | 19                   |
| 09006E 4440N                            | 2447-04014        | 00000/0000 2-20023/0079                            | 04/13/76         | 10                  | 6225            | 46.2         | 135.4        | GGGG                               |                     |                      | 152                   | 29                   |
| 09006E 4439N                            | 2717-03531        | 00000/0000 2-20038/1040                            | 01/08/77         | 0                   | 9990            | 16.5         | 148.1        | FGGG                               |                     |                      | 152                   | 29                   |
| 09005E 3147N                            | 2714-03395        | 00000/0000 2-20038/0783                            | 01/05/77         | 40                  | 9948            | 25.5         | 142.8        | GGGG                               |                     |                      | 149                   | 38                   |
| 09005E 3145N                            | 2696-03403        | 00000/0000 2-20038/0056                            | 12/18/76         | 10                  | 9697            | 26.0         | 145.3        | FGGG                               |                     |                      | 149                   | 38                   |
| 09003E 4433N                            | 2681-03544        | 00000/0000 2-20037/0022                            | 12/03/76         | 30                  | 9488            | 18.3         | 152.1        | GGGG                               |                     |                      | 152                   | 29                   |
| 09002E 4429N                            | 2501-04002        | 00000/0000 2-20026/0874                            | 06/06/76         | 10                  | 6978            | 57.5         | 122.5        | GGGG                               |                     |                      | 152                   | 29                   |
| 09002E 3142N                            | 2678-03412        | 00000/0000 2-20036/1604                            | 11/30/76         | 10                  | 9446            | 28.6         | 146.2        | GGGG                               |                     |                      | 149                   | 38                   |
| 09001E 0845N                            | 2440-03321        | 00000/0000 2-20027/1380                            | 04/06/76         | 10                  | 6127            | 52.8         | 90.8         | GGGG                               |                     |                      | 145                   | 54                   |
| 09000E 4428N                            | 2537-03592        | 00000/0000 2-20028/1204                            | 07/12/76         | 90                  | 7480            | 55.8         | 120.8        | FFGG                               |                     |                      | 152                   | 29                   |
| 08959E 4425N                            | 2627-03564        | 00000/0000 2-20034/0763                            | 10/10/76         | 10                  | 8735            | 33.2         | 146.8        | GGGG                               |                     |                      | 152                   | 29                   |
| 08959E 4427N                            | 2519-03595        | 00000/0000 2-20028/0115                            | 06/24/76         | 40                  | 7229            | 57.4         | 120.1        | GGGG                               |                     |                      | 152                   | 29                   |
| 08959E 4427N                            | 2663-03552        | 00000/0000 2-20036/0658                            | 11/15/76         | 30                  | 9237            | 22.3         | 152.0        | GF0F                               |                     |                      | 148                   | 42                   |
| 08959E 2604N                            | 2443-03442        | 00000/0000 2-20027/1596                            | 04/09/76         | 10                  | 6169            | 52.5         | 113.4        | GGGG                               |                     |                      | 145                   | 54                   |
| 08959E 0841N                            | 2494-03305        | 00000/0000 2-20026/0466                            | 05/30/76         | 40                  | 6880            | 52.4         | 65.3         | GGGG                               |                     |                      | 157                   | 19                   |
| 08958E 5844N                            | 2578-04224        | 00000/0000 2-20030/1695                            | 08/22/76         | 40                  | 8052            | 39.4         | 147.8        | GGGG                               |                     |                      | 152                   | 29                   |
| 08958E 4430N                            | 2609-03572        | 00000/0000 2-20037/1666                            | 09/22/76         | 20                  | 8484            | 39.0         | 141.8        | GGGG                               |                     |                      | 150                   | 35                   |
| 08958E 3603N                            | 2697-03450        | 00000/0000 2-20038/0288                            | 12/19/76         | 0                   | 9711            | 22.8         | 147.2        | GGGG                               |                     |                      | 157                   | 19                   |
| 08957E 5842N                            | 2596-04221        | 00000/0000 2-20037/1036                            | 09/09/76         | 10                  | 8303            | 33.5         | 151.3        | G                                  |                     |                      | 152                   | 29                   |
| 08957E 4425N                            | 2645-03561        | 00000/0000 2-20035/0090                            | 10/28/76         | 10                  | 8986            | 27.4         | 150.2        | GGGG                               |                     |                      | 151                   | 32                   |
| 08957E 4022N                            | 2716-03484        | 00000/0000 2-20038/0921                            | 01/07/77         | 90                  | 9976            | 19.5         | 146.4        | FGFF                               |                     |                      | 157                   | 19                   |
| 08956E 5838N                            | 2550-04231        | 00000/0000 2-20030/0801                            | 08/04/76         | 90                  | 7801            | 44.5         | 144.6        | G GG                               |                     |                      | 157                   | 19                   |
| 08956E 5836N                            | 2488-04251        | 00000/0000 2-20025/1137                            | 05/24/76         | 90                  | 6797            | 48.7         | 146.7        | GF0F                               |                     |                      | 151                   | 32                   |
| 08956E 4019N                            | 2698-03493        | 00000/0000 2-20037/1187                            | 12/20/76         | 90                  | 9725            | 19.6         | 148.9        | GGGG                               |                     |                      | 150                   | 35                   |
| 08956E 3605N                            | 2715-03442        | 00000/0000 2-20038/0832                            | 01/06/77         | 70                  | 9962            | 22.5         | 144.7        | GGGG                               |                     |                      |                       |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08956E 3558N                            | 2679-03455        | 00000/0000                   | 2-20036/1702                | 12/01/76         | 30                  | 9460            | 25.3         | 148.3        | FFFF                               |                     |                      | 150                   | 35                   |
| 08956E 2559N                            | 2551-03413        | 00000/0000                   | 2-20037/0050                | 07/26/76         | 40                  | 7675            | 56.0         | 93.5         | GGGG                               |                     |                      | 148                   | 42                   |
| 08956E 0839N                            | 2422-03325        | 00000/0000                   | 2-20022/0235                | 03/19/76         | 20                  | 5876            | 50.3         | 101.4        | GGGF                               |                     |                      | 145                   | 54                   |
| 08955E 5838N                            | 2614-04214        | 00000/0000                   | 2-20034/0059                | 09/27/76         | 70                  | 8554            | 27.2         | 154.8        | GGGG                               |                     |                      | 157                   | 19                   |
| 08955E 2603N                            | 2713-03355        | 00000/0000                   | 2-20032/1116                | 01/04/77         | 0                   | 9934            | 29.3         | 140.2        | PPPP                               |                     |                      | 148                   | 42                   |
| 08955E 2602N                            | 2695-03363        | 00000/0000                   | 2-20038/0019                | 12/17/76         | 10                  | 9683            | 30.2         | 142.6        | GGGG                               |                     |                      | 148                   | 42                   |
| 08955E 2600N                            | 2425-03445        | 00000/0000                   | 2-20022/0388                | 03/22/76         | 60                  | 5918            | 47.4         | 120.8        | GGGG                               |                     |                      | 148                   | 42                   |
| 08954E 4018N                            | 2680-03501        | 00000/0000                   | 2-20036/1768                | 12/02/76         | 0                   | 9474            | 21.8         | 150.2        | FGGG                               |                     |                      | 151                   | 32                   |
| 08954E 4011N                            | 2662-03510        | 00000/0000                   | 2-20036/0559                | 11/14/76         | 90                  | 9223            | 25.8         | 149.8        | FGGG                               |                     |                      | 151                   | 32                   |
| 08954E 3558N                            | 2661-03463        | 00000/0000                   | 2-20036/0470                | 11/13/76         | 30                  | 9209            | 29.3         | 147.5        | GGGG                               |                     |                      | 150                   | 35                   |
| 08954E 2559N                            | 2731-03351        | 00000/0000                   | 2-20039/0160                | 01/22/77         | 10                  | 185             | 30.5         | 136.4        | PPGF                               |                     |                      | 148                   | 42                   |
| 08954E 2558N                            | 2659-03380        | 00000/0000                   | 2-20036/0307                | 11/11/76         | 40                  | 9181            | 36.9         | 141.4        | GGGG                               |                     |                      | 148                   | 42                   |
| 08954E 2016N                            | 2442-03400        | 00000/0000                   | 2-20022/1700                | 04/08/76         | 40                  | 6155            | 53.3         | 105.8        | FFGG                               |                     |                      | 147                   | 46                   |
| 08954E 1424N                            | 2477-03350        | 00000/0000                   | 2-20025/0340                | 05/13/76         | 50                  | 6643            | 56.0         | 78.4         | FGGG                               |                     |                      | 146                   | 50                   |
| 08953E 2600N                            | 2677-03372        | 00000/0000                   | 2-20036/1488                | 11/29/76         | 30                  | 9432            | 32.9         | 143.1        | GGGG                               |                     |                      | 148                   | 42                   |
| 08953E 0840N                            | 2404-03332        | 00000/0000                   | 2-20021/0939                | 03/01/76         | 20                  | 5625            | 47.1         | 111.1        | FGGG                               |                     |                      | 145                   | 54                   |
| 08952E 2015N                            | 2712-03315        | 00000/0000                   | 2-20035/0626                | 01/03/77         | 10                  | 9920            | 33.0         | 137.2        | FFGF                               |                     |                      | 147                   | 46                   |
| 08952E 0837N                            | 2386-03335        | 00000/0000                   | 2-20021/0097                | 02/12/76         | 40                  | 5374            | 44.2         | 119.2        | FFFF                               |                     |                      | 145                   | 54                   |
| 08951E 2013N                            | 2694-03323        | 00000/0000                   | 2-20037/0971                | 12/16/76         | 80                  | 9669            | 34.2         | 139.5        | GGGG                               |                     |                      | 147                   | 46                   |
| 08950E 5827N                            | 2506-04245        | 00000/0000                   | 2-20024/1310                | 06/11/76         | 90                  | 7048            | 50.8         | 144.2        | GGGG                               |                     |                      | 157                   | 19                   |
| 08950E 4730N                            | 2718-03580        | 00000/0000                   | 2-20038/0871                | 01/09/77         | 10                  | 4               | 14.5         | 149.2        | FGGG                               |                     |                      | 153                   | 27                   |
| 08950E 2557N                            | 2407-03453        | 00000/0000                   | 2-20021/1081                | 03/04/76         | 10                  | 5667            | 41.9         | 127.2        | FGGG                               |                     |                      | 148                   | 42                   |
| 08950E 2013N                            | 2424-03405        | 00000/0000                   | 2-20022/0357                | 03/21/76         | 30                  | 5904            | 49.0         | 114.6        | FGFG                               |                     |                      | 147                   | 46                   |
| 08949E 5832N                            | 2542-04235        | 00000/0000                   | 2-20028/1680                | 07/17/76         | 10                  | 7550            | 48.3         | 142.8        | G                                  |                     |                      | 157                   | 19                   |
| 08949E 5826N                            | 2524-04242        | 00000/0000                   | 2-20028/0273                | 06/29/76         | 20                  | 7299            | 50.6         | 142.6        | GGGG                               |                     |                      | 157                   | 19                   |
| 08949E 2552N                            | 2641-03384        | 00000/0000                   | 2-20034/1128                | 10/24/76         | 60                  | 8930            | 41.5         | 137.0        | GGGG                               |                     |                      | 148                   | 42                   |
| 08949E 2549N                            | 2389-03460        | 00000/0000                   | 2-20020/1552                | 02/15/76         | 40                  | 5416            | 37.0         | 132.6        | FGGG                               |                     |                      | 148                   | 42                   |
| 08949E 2013N                            | 2730-03311        | 00000/0000                   | 2-20039/0899                | 01/21/77         | 20                  | 171             | 33.8         | 133.2        | GGGG                               |                     |                      | 147                   | 46                   |
| 08948E 2010N                            | 2406-03413        | 00000/0000                   | 2-20021/0998                | 03/03/76         | 10                  | 5653            | 44.1         | 122.         | FGGG                               |                     |                      | 147                   | 46                   |
| 08948E 2010N                            | 2658-03340        | 00000/0000                   | 2-20036/0167                | 11/10/76         | 70                  | 9167            | 40.8         | 137.1        | GGGG                               |                     |                      | 147                   | 46                   |
| 08948E 1424N                            | 2405-03372        | 00000/0000                   | 2-20021/0637                | 03/02/76         | 10                  | 5639            | 45.9         | 116.7        | GGGF                               |                     |                      | 146                   | 50                   |
| 08948E 1420N                            | 2369-03382        | 00000/0000                   | 2-20020/0296                | 01/26/76         | 60                  | 5137            | 39.4         | 130.1        | GGGG                               |                     |                      | 146                   | 50                   |
| 08947E 4728N                            | 2700-03585        | 00000/0000                   | 2-20037/1229                | 12/22/76         | 100                 | 9753            | 14.1         | 151.7        | FGGG                               |                     |                      | 153                   | 27                   |
| 08947E 2006N                            | 2370-03422        | 00000/0000                   | 2-20020/0419                | 01/27/76         | 10                  | 5151            | 36.4         | 133.9        | GGFG                               |                     |                      | 147                   | 46                   |
| 08946E 5601N                            | 2469-04204        | 00000/0000                   | 2-20024/1523                | 05/05/76         | 10                  | 6532            | 46.2         | 145.5        | GGGG                               |                     |                      | 154                   | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=8AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSG | DATE<br>ACQUIRED | CLSD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08945E                                  | 4722N             | 2652-03593                   | 00000/0000                  | 2-20036/1883     | 12/04/76           | 70              | 9502         | 16.0         | 153.3                              | PGGP                |                      | 153                   | 27                   |
| 08941E                                  | 5022N             | 2467-04110                   | 00000/0000                  | 2-20024/1243     | 05/03/76           | 70              | 6504         | 49.2         | 138.6                              | GGGG                |                      | 154                   | 25                   |
| 08941E                                  | 4715N             | 2664-04002                   | 00000/0000                  | 2-20034/0765     | 11/16/76           | 50              | 9251         | 19.8         | 153.5                              | GGGG                |                      | 153                   | 27                   |
| 08940E                                  | 3022N             | 2714-03401                   | 00000/0000                  | 2-20038/0784     | 01/05/77           | 20              | 9948         | 26.5         | 142.2                              | GGGG                |                      | 149                   | 39                   |
| 08940E                                  | 3019N             | 2696-03410                   | 00000/0000                  | 2-20038/0057     | 12/18/76           | 0               | 9697         | 27.1         | 144.6                              | GGGG                |                      | 149                   | 39                   |
| 08940E                                  | 0718N             | 2440-03324                   | 00000/0000                  | 2-20022/1381     | 04/06/76           | 40              | 6127         | 52.5         | 88.9                               | GGGF                |                      | 145                   | 55                   |
| 08939E                                  | 5558N             | 2577-04175                   | 00000/0000                  | 2-20030/1628     | 08/21/76           | 10              | 8038         | 41.5         | 144.3                              | GGGG                |                      | 156                   | 21                   |
| 08939E                                  | 0714N             | 2494-03311                   | 00000/0000                  | 2-20026/0467     | 05/30/76           | 10              | 6880         | 51.6         | 63.8                               | GGGF                |                      | 145                   | 55                   |
| 08938E                                  | 5020N             | 2719-04025                   | 00000/0000                  | 2-20034/1148     | 01/10/77           | 10              | 18           | 12.5         | 150.3                              | GGGG                |                      | 154                   | 25                   |
| 08938E                                  | 3016N             | 2678-03414                   | 00000/0000                  | 2-20036/1605     | 11/30/76           | 10              | 9446         | 29.6         | 145.5                              | FFGG                |                      | 149                   | 39                   |
| 08937E                                  | 5312N             | 2450-04162                   | 00000/0000                  | 2-20023/0249     | 04/16/76           | 90              | 6267         | 42.1         | 144.3                              | FFF                 |                      | 155                   | 23                   |
| 08937E                                  | 5309N             | 2468-04155                   | 00000/0000                  | 2-20024/1343     | 05/04/76           | 10              | 6518         | 47.8         | 142.0                              | GGGG                |                      | 155                   | 23                   |
| 08937E                                  | 3015N             | 2660-03423                   | 00000/0000                  | 2-20036/0345     | 11/12/76           | 10              | 9195         | 33.7         | 144.2                              | GGGG                |                      | 149                   | 39                   |
| 08937E                                  | 0712N             | 2422-03331                   | 00000/0000                  | 2-20022/0236     | 03/19/76           | 30              | 5876         | 50.3         | 99.6                               | GGGG                |                      | 145                   | 55                   |
| 08936E                                  | 5553N             | 2559-04182                   | 00000/0000                  | 2-20030/0679     | 08/03/76           | 50              | 7787         | 46.4         | 140.8                              | FFGG                |                      | 156                   | 21                   |
| 08936E                                  | 5020N             | 2575-04030                   | 00000/0000                  | 2-20030/1570     | 08/19/76           | 30              | 8010         | 45.5         | 137.3                              | GGGG                |                      | 154                   | 25                   |
| 08935E                                  | 2438N             | 2443-03444                   | 00000/0000                  | 2-20022/1597     | 04/09/76           | 10              | 6169         | 52.9         | 111.4                              | GGGG                |                      | 148                   | 43                   |
| 08934E                                  | 5011N             | 2683-04042                   | 00000/0000                  | 2-20037/0107     | 12/05/76           | 10              | 9516         | 13.6         | 154.5                              | FGGG                |                      | 154                   | 25                   |
| 08934E                                  | 4315N             | 2447-04021                   | 00000/0000                  | 2-20023/0080     | 04/13/76           | 10              | 6225         | 47.0         | 133.8                              | GGGG                |                      | 152                   | 30                   |
| 08934E                                  | 4315N             | 2465-04014                   | 00000/0000                  | 2-20024/0822     | 05/01/76           | 0               | 6476         | 52.4         | 129.5                              | GGGG                |                      | 152                   | 30                   |
| 08934E                                  | 4314N             | 2699-03542                   | 00000/0000                  | 2-20037/1140     | 12/21/76           | 40              | 9739         | 17.3         | 150.0                              | FGGG                |                      | 152                   | 30                   |
| 08934E                                  | 4312N             | 2429-04024                   | 00000/0000                  | 2-20022/0668     | 03/26/76           | 80              | 5974         | 40.6         | 137.2                              | GGGG                |                      | 152                   | 30                   |
| 08934E                                  | 1258N             | 2477-03354                   | 00000/0000                  | 2-20025/0341     | 05/13/76           | 90              | 6643         | 55.4         | 76.4                               | FGGG                |                      | 146                   | 51                   |
| 08933E                                  | 2432N             | 2551-03415                   | 00000/0000                  | 2-20030/0051     | 07/26/76           | 50              | 7675         | 55.8         | 91.2                               | GGGG                |                      | 148                   | 43                   |
| 08933E                                  | 1849N             | 2442-03404                   | 00000/0000                  | 2-20022/1701     | 04/08/76           | 30              | 6155         | 53.4         | 103.7                              | GGGG                |                      | 147                   | 47                   |
| 08933E                                  | 0714N             | 2404-03335                   | 00000/0000                  | 2-20021/0940     | 03/01/76           | 40              | 5625         | 47.4         | 109.5                              | FGGG                |                      | 145                   | 55                   |
| 08933E                                  | 0711N             | 2368-03344                   | 00000/0000                  | 2-20020/0337     | 01/25/76           | 40              | 5123         | 42.8         | 124.6                              | GGGG                |                      | 145                   | 55                   |
| 08932E                                  | 5541N             | 2523-04192                   | 00000/0000                  | 2-20028/0146     | 06/28/76           | 10              | 7285         | 52.3         | 138.4                              | GGGG                |                      | 154                   | 21                   |
| 08932E                                  | 5359N             | 2594-04123                   | 00000/0000                  | 2-20032/0935     | 09/07/76           | 0               | 8275         | 38.1         | 145.4                              | GGGG                |                      | 155                   | 23                   |
| 08932E                                  | 5013N             | 2557-04044                   | 00000/0000                  | 2-20030/0660     | 08/01/76           | 90              | 7759         | 50.0         | 132.8                              | GGGG                |                      | 154                   | 25                   |
| 08932E                                  | 4313N             | 2717-03534                   | 00000/0000                  | 2-20038/1041     | 01/08/77           | 10              | 9990         | 17.5         | 147.5                              | GGGG                |                      | 152                   | 30                   |
| 08932E                                  | 2436N             | 2695-03370                   | 00000/0000                  | 2-20038/0020     | 12/17/76           | 10              | 9683         | 31.1         | 141.8                              | FFGG                |                      | 148                   | 43                   |
| 08932E                                  | 2433N             | 2425-03452                   | 00000/0000                  | 2-20022/0389     | 03/22/76           | 50              | 5918         | 47.9         | 119.2                              | GGGG                |                      | 148                   | 43                   |
| 08932E                                  | 0712N             | 2386-03342                   | 00000/0000                  | 2-20021/0098     | 02/12/76           | 40              | 5374         | 44.7         | 117.8                              | GFFF                |                      | 145                   | 55                   |
| 08931E                                  | 5544N             | 2505-04195                   | 00000/0000                  | 2-20026/1129     | 06/10/76           | 10              | 7034         | 52.4         | 140.1                              | GGGG                |                      | 156                   | 21                   |

KEYS: CLSD COVER % ..... 0 TO 100 = % CLSD COVER.  
 IMAGE QUALITY ..... (BLANKS) = NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02344 APR 28, 1977

 LANDSAT-2  
 COORDINATE LISTING  
 FOR N8N-US  
 FROM 01/22/76 TO 01/22/77

PAGE 0856

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08931E 5544N                            | 2541-04185        | 00000/0000                   | 2-20028/1531                | 07/16/76         | 40                  | 7536            | 50.1         | 138.6        | GGGG                               |                     |                      | 156                   | 21                   |
| 08931E 5307N                            | 2576-04130        | 00000/0000                   | 2-20030/1535                | 08/20/76         | 10                  | 8024            | 43.6         | 140.8        | GGGG                               |                     |                      | 155                   | 23                   |
| 08931E 5259N                            | 2426-04153        | 00000/0000                   | 2-20025/1035                | 05/22/76         | 90                  | 6769            | 51.9         | 138.9        | GGGG                               |                     |                      | 155                   | 23                   |
| 08931E 5004N                            | 2665-04051        | 00000/0000                   | 2-20037/0210                | 11/17/76         | 70                  | 9265            | 17.3         | 154.9        | GGGG                               |                     |                      | 154                   | 25                   |
| 08931E 3437N                            | 2697-03453        | 00000/0000                   | 2-20038/0289                | 12/19/76         | 0                   | 9711            | 23.9         | 146.5        | GGGG                               |                     |                      | 150                   | 36                   |
| 08931E 2433N                            | 2677-03374        | 00000/0000                   | 2-20036/1459                | 11/29/76         | 40                  | 9432            | 33.8         | 142.3        | GGGG                               |                     |                      | 148                   | 43                   |
| 08931E 2433N                            | 2731-03353        | 00000/0000                   | 2-20039/0161                | 01/22/77         | 0                   | 185             | 31.4         | 135.5        | PPGG                               |                     |                      | 148                   | 43                   |
| 08931E 2432N                            | 2659-03383        | 00000/0000                   | 2-20036/0308                | 11/11/76         | 10                  | 9181            | 37.8         | 140.4        | GGGG                               |                     |                      | 148                   | 43                   |
| 08930E 5008N                            | 2503-04101        | 00000/0000                   | 2-20026/0748                | 06/08/76         | 70                  | 7006            | 55.3         | 131.6        | GGGG                               |                     |                      | 154                   | 25                   |
| 08930E 5007N                            | 2539-04091        | 00000/0000                   | 2-20028/1409                | 07/14/76         | 80                  | 7508            | 53.3         | 130.0        | GGGG                               |                     |                      | 154                   | 25                   |
| 08930E 4307N                            | 2651-03550        | 00000/0000                   | 2-20037/0023                | 12/03/76         | 70                  | 9488            | 19.5         | 151.4        | GGGF                               |                     |                      | 152                   | 30                   |
| 08930E 3439N                            | 2715-03444        | 00000/0000                   | 2-20038/0833                | 01/06/77         | 60                  | 9962            | 23.5         | 144.0        | GGGG                               |                     |                      | 150                   | 36                   |
| 08930E 1849N                            | 2712-03321        | 00000/0000                   | 2-20038/0627                | 01/03/77         | 0                   | 9920            | 33.9         | 136.3        | GGFF                               |                     |                      | 147                   | 47                   |
| 08929E 3433N                            | 2679-03461        | 00000/0000                   | 2-20036/1703                | 12/01/76         | 10                  | 9460            | 26.3         | 147.6        | FGFG                               |                     |                      | 150                   | 36                   |
| 08929E 1847N                            | 2424-03412        | 00000/0000                   | 2-20022/0358                | 03/21/76         | 20                  | 5904            | 49.3         | 112.9        | FGGF                               |                     |                      | 147                   | 47                   |
| 08929E 1847N                            | 2694-03330        | 00000/0000                   | 2-20037/0972                | 12/16/76         | 80                  | 9669            | 35.1         | 138.6        | GGGG                               |                     |                      | 147                   | 47                   |
| 08928E 5304N                            | 2612-04120        | 00000/0000                   | 2-20032/1797                | 09/25/76         | 70                  | 8526            | 32.0         | 149.7        | GGGG                               |                     |                      | 155                   | 23                   |
| 08928E 5258N                            | 2540-04140        | 00000/0000                   | 2-20028/1452                | 07/15/76         | 80                  | 7522            | 51.8         | 134.4        | GGGG                               |                     |                      | 155                   | 23                   |
| 08928E 5003N                            | 2521-04094        | 00000/0000                   | 2-20028/0073                | 06/26/76         | 50                  | 7257            | 55.2         | 129.5        | GGGG                               |                     |                      | 154                   | 25                   |
| 08928E 4302N                            | 2663-03555        | 00000/0000                   | 2-20036/0659                | 11/15/76         | 10                  | 9237            | 23.4         | 151.3        | GGGF                               |                     |                      | 152                   | 30                   |
| 08928E 3856N                            | 2716-03491        | 00000/0000                   | 2-20038/0922                | 01/07/77         | 90                  | 9973            | 20.6         | 145.8        | FGFG                               |                     |                      | 151                   | 33                   |
| 08928E 1254N                            | 2369-03384        | 00000/0000                   | 2-20020/0297                | 01/26/76         | 50                  | 5137            | 40.2         | 129.0        | GGGG                               |                     |                      | 146                   | 51                   |
| 08927E 5303N                            | 2558-04133        | 00000/0000                   | 2-20030/0581                | 08/02/76         | 90                  | 7773            | 48.3         | 136.9        | FGGF                               |                     |                      | 155                   | 23                   |
| 08927E 3432N                            | 2661-03470        | 00000/0000                   | 2-20036/0471                | 11/13/76         | 10                  | 9209            | 30.3         | 146.8        | GGGG                               |                     |                      | 150                   | 36                   |
| 08927E 2431N                            | 2407-03455        | 00000/0000                   | 2-20021/1082                | 03/04/76         | 10                  | 5667            | 42.6         | 125.9        | GGGG                               |                     |                      | 148                   | 43                   |
| 08927E 1847N                            | 2730-03313        | 00000/0000                   | 2-20039/0900                | 01/21/77         | 40                  | 171             | 34.6         | 132.3        | GGGF                               |                     |                      | 147                   | 47                   |
| 08927E 1844N                            | 2676-03334        | 00000/0000                   | 2-20036/1420                | 11/23/76         | 90                  | 9418            | 37.9         | 138.7        | GGGG                               |                     |                      | 147                   | 47                   |
| 08927E 1258N                            | 2405-03375        | 00000/0000                   | 2-20021/0638                | 03/02/76         | 10                  | 5639            | 46.3         | 115.2        | GGFF                               |                     |                      | 146                   | 51                   |
| 08926E 4305N                            | 2609-03574        | 00000/0000                   | 2-20032/1667                | 09/22/76         | 10                  | 8484            | 39.9         | 140.5        | GGGG                               |                     |                      | 152                   | 30                   |
| 08926E 3853N                            | 2698-03495        | 00000/0000                   | 2-20037/1188                | 12/20/76         | 50                  | 9725            | 20.7         | 148.3        | GGGG                               |                     |                      | 151                   | 33                   |
| 08926E 1844N                            | 2406-03415        | 00000/0000                   | 2-20021/0999                | 03/03/76         | 10                  | 5653            | 44.7         | 120.7        | GGGG                               |                     |                      | 147                   | 47                   |
| 08926E 1844N                            | 2658-03343        | 00000/0000                   | 2-20036/0168                | 11/10/76         | 10                  | 9167            | 41.7         | 136.0        | PFFG                               |                     |                      | 147                   | 47                   |
| 08926E 1840N                            | 2370-03424        | 00000/0000                   | 2-20020/0420                | 01/27/76         | 10                  | 5151            | 37.2         | 133.0        | GGFG                               |                     |                      | 147                   | 47                   |
| 08925E 5252N                            | 2522-04143        | 00000/0000                   | 2-20028/0143                | 06/27/76         | 10                  | 7271            | 53.8         | 134.1        | GGGG                               |                     |                      | 155                   | 23                   |
| 08925E 3852N                            | 2680-03504        | 00000/0000                   | 2-20036/1769                | 12/02/76         | 10                  | 9474            | 22.9         | 149.6        | FGGG                               |                     |                      | 151                   | 33                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR N84-US  
FROM 01/22/76 TO 01/22/77

PAGE 0857

| PRINCIPAL POINT<br>OF IMAGE | LAT   | LONG       | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08924E                      | 4300N | 2645-03563 | 00000/0000        | 2-20035/0091                 | 10/28/76                    | 0                | 8986                | 28.5            | 149.4        | GGGG         |                                    |                     |                      | 152                   | 30                   |
| 08924E                      | 3846N | 2662-03512 | 00000/0000        | 2-20036/0560                 | 11/14/76                    | 70               | 9223                | 26.9            | 149.1        | GGGG         |                                    |                     |                      | 151                   | 33                   |
| 08920E                      | 0551N | 2440-03330 | 00000/0000        | 2-20022/1382                 | 04/06/76                    | 40               | 6127                | 52.2            | 87.0         | GGFG         |                                    |                     |                      | 145                   | 56                   |
| 08918E                      | 0547N | 2494-03314 | 00000/0000        | 2-20026/0468                 | 05/30/76                    | 10               | 6880                | 50.7            | 62.3         | GGGG         |                                    |                     |                      | 145                   | 56                   |
| 08917E                      | 0546N | 2422-03334 | 00000/0000        | 2-20022/0237                 | 03/19/76                    | 30               | 5876                | 50.3            | 97.8         | GFGG         |                                    |                     |                      | 145                   | 56                   |
| 08916E                      | 2355N | 2714-03404 | 00000/0000        | 2-20038/0785                 | 01/05/77                    | 10               | 9948                | 27.4            | 141.4        | GGGG         |                                    |                     |                      | 149                   | 40                   |
| 08915E                      | 4605N | 2718-03583 | 00000/0000        | 2-20038/0872                 | 01/03/77                    | 10               | 4                   | 15.6            | 148.5        | GGGG         |                                    |                     |                      | 153                   | 28                   |
| 08915E                      | 2853N | 2696-03412 | 00000/0000        | 2-20036/0058                 | 12/18/76                    | 0                | 9697                | 28.1            | 143.9        | GGGG         |                                    |                     |                      | 149                   | 40                   |
| 08914E                      | 2850N | 2678-03421 | 00000/0000        | 2-20036/1606                 | 11/30/76                    | 0                | 9446                | 30.7            | 144.7        | FFGF         |                                    |                     |                      | 149                   | 40                   |
| 08914E                      | 0548N | 2404-03341 | 00000/0000        | 2-20021/0941                 | 03/01/76                    | 90               | 5625                | 47.7            | 107.9        | GGGG         |                                    |                     |                      | 145                   | 56                   |
| 08913E                      | 5724N | 2452-04263 | 00000/0000        | 2-20024/0080                 | 04/18/76                    | 0                | 6295                | 40.0            | 148.7        | GGGG         |                                    |                     |                      | 157                   | 20                   |
| 08913E                      | 2850N | 2660-03425 | 00000/0000        | 2-20036/0346                 | 11/12/76                    | 10               | 9195                | 34.7            | 143.4        | GGGG         |                                    |                     |                      | 149                   | 40                   |
| 08913E                      | 1132N | 2477-03361 | 00000/0000        | 2-20025/0342                 | 05/13/76                    | 30               | 6643                | 54.9            | 74.4         | GGGG         |                                    |                     |                      | 146                   | 52                   |
| 08913E                      | 0545N | 2368-03350 | 00000/0000        | 2-20020/0338                 | 01/25/76                    | 30               | 5123                | 43.4            | 123.3        | GGGG         |                                    |                     |                      | 145                   | 56                   |
| 08912E                      | 4602N | 2700-03591 | 00000/0000        | 2-20037/1230                 | 12/22/76                    | 100              | 9753                | 15.1            | 151.1        | GGGG         |                                    |                     |                      | 153                   | 28                   |
| 08912E                      | 2311N | 2443-03451 | 00000/0000        | 2-20022/1598                 | 04/09/76                    | 10               | 6169                | 53.1            | 109.3        | GGGG         |                                    |                     |                      | 148                   | 44                   |
| 08912E                      | 1722N | 2442-03411 | 00000/0000        | 2-20022/1702                 | 04/08/76                    | 40               | 6155                | 53.5            | 101.7        | GGGG         |                                    |                     |                      | 147                   | 48                   |
| 08911E                      | 5723N | 2470-04260 | 00000/0000        | 2-20024/1488                 | 05/06/76                    | 90               | 6546                | 45.6            | 147.1        | GGGG         |                                    |                     |                      | 157                   | 20                   |
| 08910E                      | 4557N | 2632-04000 | 00000/0000        | 2-20036/1884                 | 12/04/76                    | 90               | 9502                | 17.1            | 152.6        | PGGP         |                                    |                     |                      | 153                   | 28                   |
| 08910E                      | 2309N | 2713-03364 | 00000/0000        | 2-20038/1117                 | 01/04/77                    | 0                | 5934                | 31.2            | 138.6        | FFFG         |                                    |                     |                      | 148                   | 44                   |
| 08910E                      | 2307N | 2425-03454 | 00000/0000        | 2-20022/0390                 | 03/22/76                    | 40               | 5918                | 48.4            | 117.5        | GGGG         |                                    |                     |                      | 148                   | 44                   |
| 08910E                      | 2306N | 2551-03422 | 00000/0000        | 2-20030/0052                 | 07/26/76                    | 60               | 7675                | 55.6            | 89.0         | GGGG         |                                    |                     |                      | 148                   | 44                   |
| 08909E                      | 2310N | 2695-03372 | 00000/0000        | 2-20038/0001                 | 12/17/76                    | 30               | 9683                | 32.1            | 141.1        | G GG         |                                    |                     |                      | 148                   | 44                   |
| 08908E                      | 2307N | 2677-03381 | 00000/0000        | 2-20036/1490                 | 11/29/76                    | 50               | 9432                | 34.8            | 141.5        | GGGG         |                                    |                     |                      | 148                   | 44                   |
| 08908E                      | 2306N | 2659-03355 | 00000/0000        | 2-20036/0309                 | 11/11/76                    | 0                | 9181                | 38.7            | 139.4        | GGGG         |                                    |                     |                      | 148                   | 44                   |
| 08908E                      | 2306N | 2731-03360 | 00000/0000        | 2-20039/0162                 | 01/22/77                    | 0                | 185                 | 32.3            | 134.7        | PPGG         |                                    |                     |                      | 148                   | 44                   |
| 08908E                      | 1723N | 2712-03324 | 00000/0000        | 2-20036/0628                 | 01/03/77                    | 10               | 9920                | 34.7            | 135.4        | FFGF         |                                    |                     |                      | 147                   | 48                   |
| 08908E                      | 1720N | 2694-03332 | 00000/0000        | 2-20037/0973                 | 12/16/76                    | 80               | 9669                | 36.0            | 137.7        | GGGG         |                                    |                     |                      | 147                   | 48                   |
| 08907E                      | 4551N | 2664-04004 | 00000/0000        | 2-20036/0766                 | 11/16/76                    | 50               | 9251                | 20.9            | 152.8        | GGGG         |                                    |                     |                      | 153                   | 28                   |
| 08907E                      | 1132N | 2405-03381 | 00000/0000        | 2-20021/0639                 | 03/02/76                    | 10               | 5639                | 46.7            | 113.7        | PGFF         |                                    |                     |                      | 146                   | 52                   |
| 08907E                      | 1128N | 2369-03391 | 00000/0000        | 2-20020/0298                 | 01/26/76                    | 50               | 5137                | 40.9            | 127.9        | GGGG         |                                    |                     |                      | 146                   | 52                   |
| 08906E                      | 1720N | 2730-03320 | 00000/0000        | 2-20039/0901                 | 01/21/77                    | 10               | 171                 | 35.4            | 131.3        | GGGG         |                                    |                     |                      | 147                   | 48                   |
| 08905E                      | 3311N | 2697-03455 | 00000/0000        | 2-20038/0290                 | 12/19/76                    | 0                | 9711                | 24.9            | 145.9        | GGGG         |                                    |                     |                      | 150                   | 37                   |
| 08905E                      | 1718N | 2658-03345 | 00000/0000        | 2-20036/0169                 | 11/10/76                    | 10               | 9167                | 42.6            | 134.9        | GGGF         |                                    |                     |                      | 147                   | 48                   |
| 08905E                      | 1717N | 2406-03422 | 00000/0000        | 2-20021/1000                 | 03/03/76                    | 10               | 5653                | 45.2            | 119.3        | FFGG         |                                    |                     |                      | 147                   | 48                   |

KEYS: CLOUD COVER ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 25, 77

LANDSAT-2  
COORDINATE LISTING  
FOR N84-05  
FROM 01/22/76 TO 01/22/77

PAGE 0458

| PRINCIPAL PRINT<br>OF IMAGE<br>LONG | LAT   | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08904E                              | 5720N | 2578-04231        | 00000/0000                   | 2-20030/1696                | 08/22/76         | 10                  | 8052            | 40.3         | 146.1        | GGGG                               |                     |                      | 157                   | 20                   |
| 08904E                              | 3313N | 2715-03451        | 00000/0000                   | 2-20038/0834                | 01/05/77         | 40                  | 9962            | 24.5         | 143.3        | GGGG                               |                     |                      | 150                   | 37                   |
| 08904E                              | 1714N | 2370-03431        | 00000/0000                   | 2-20020/0421                | 01/27/76         | 10                  | 5151            | 38.0         | 131.9        | FGFG                               |                     |                      | 147                   | 48                   |
| 08903E                              | 5718N | 2596-04224        | 00000/0000                   | 2-20032/1037                | 09/09/76         | 10                  | 8303            | 34.5         | 149.9        | FGGG                               |                     |                      | 157                   | 20                   |
| 08903E                              | 5713N | 2488-04254        | 00000/0000                   | 2-20025/1138                | 05/24/76         | 100                 | 6797            | 49.7         | 144.7        | GGGG                               |                     |                      | 157                   | 20                   |
| 08903E                              | 3307N | 2679-03464        | 00000/0000                   | 2-20036/1704                | 12/01/76         | 0                   | 9460            | 27.4         | 146.9        | FGGF                               |                     |                      | 150                   | 37                   |
| 08902E                              | 5715N | 2560-04234        | 00000/0000                   | 2-20030/0786                | 08/04/76         | 90                  | 7801            | 45.4         | 142.8        | GGGG                               |                     |                      | 157                   | 20                   |
| 08902E                              | 4148N | 2699-03544        | 00000/0000                   | 2-20037/1141                | 12/21/76         | 40                  | 9739            | 18.4         | 149.4        | GGGG                               |                     |                      | 152                   | 31                   |
| 08901E                              | 5715N | 2614-04221        | 00000/0000                   | 2-20034/0060                | 09/27/76         | 80                  | 8554            | 28.2         | 153.6        | GGGG                               |                     |                      | 157                   | 20                   |
| 08901E                              | 3306N | 2661-03472        | 00000/0000                   | 2-20036/0472                | 11/13/76         | 0                   | 9209            | 31.4         | 146.0        | GGGG                               |                     |                      | 150                   | 37                   |
| 08901E                              | 0424N | 2458-03330        | 00000/0000                   | 2-20024/0389                | 04/24/76         | 30                  | 6378            | 52.3         | 74.6         | FGGG                               |                     |                      | 145                   | 57                   |
| 08900E                              | 4148N | 2717-03540        | 00000/0000                   | 2-20038/1042                | 01/08/77         | 10                  | 9990            | 18.6         | 146.8        | GGGG                               |                     |                      | 152                   | 31                   |
| 08900E                              | 3730N | 2716-03493        | 00000/0000                   | 2-20038/0923                | 01/07/77         | 20                  | 9976            | 21.6         | 145.1        | GGGG                               |                     |                      | 151                   | 34                   |
| 08859E                              | 4855N | 2719-04032        | 00000/0000                   | 2-20038/1149                | 01/10/77         | 0                   | 18              | 13.6         | 149.6        | GGGG                               |                     |                      | 154                   | 26                   |
| 08859E                              | 4142N | 2681-03553        | 00000/0000                   | 2-20037/0024                | 12/03/76         | 60                  | 9488            | 20.5         | 150.8        | FGGG                               |                     |                      | 152                   | 31                   |
| 08858E                              | 5437N | 2469-04211        | 00000/0000                   | 2-20024/1524                | 05/05/76         | 10                  | 6532            | 47.1         | 143.7        | GGGG                               |                     |                      | 156                   | 22                   |
| 08858E                              | 3728N | 2698-03502        | 00000/0000                   | 2-20037/1189                | 12/20/76         | 20                  | 9725            | 21.7         | 147.7        | GGGG                               |                     |                      | 151                   | 34                   |
| 08858E                              | 0420N | 2422-03340        | 00000/0000                   | 2-20022/0238                | 03/19/76         | 30                  | 5876            | 50.3         | 96.1         | GFFF                               |                     |                      | 145                   | 57                   |
| 08857E                              | 4137N | 2663-03561        | 00000/0000                   | 2-20036/0660                | 11/15/76         | 10                  | 9237            | 24.5         | 150.6        | GGGF                               |                     |                      | 152                   | 31                   |
| 08857E                              | 3727N | 2680-03510        | 00000/0000                   | 2-20036/1770                | 12/02/76         | 10                  | 9474            | 24.0         | 148.9        | GGGG                               |                     |                      | 151                   | 34                   |
| 08855E                              | 5709N | 2642-04241        | 00000/0000                   | 2-20028/1681                | 07/17/76         | 10                  | 7550            | 49.2         | 140.8        | GGGG                               |                     |                      | 157                   | 20                   |
| 08855E                              | 5703N | 2524-04244        | 00000/0000                   | 2-20028/0274                | 06/29/76         | 30                  | 7299            | 51.4         | 140.4        | GGGG                               |                     |                      | 157                   | 20                   |
| 08855E                              | 5147N | 2450-04165        | 00000/0000                   | 2-20023/0250                | 04/16/76         | 90                  | 6267            | 43.0         | 142.7        | FGFF                               |                     |                      | 155                   | 24                   |
| 08855E                              | 4847N | 2683-04045        | 00000/0000                   | 2-20037/0108                | 12/05/76         | 0                   | 9516            | 14.7         | 153.8        | GGGG                               |                     |                      | 154                   | 26                   |
| 08855E                              | 3721N | 2662-03515        | 00000/0000                   | 2-20034/0561                | 11/14/76         | 40                  | 9223            | 28.0         | 148.4        | FFGF                               |                     |                      | 151                   | 34                   |
| 08854E                              | 5145N | 2468-04162        | 00000/0000                   | 2-20024/1344                | 05/04/76         | 10                  | 6518            | 48.6         | 140.2        | GGGG                               |                     |                      | 155                   | 24                   |
| 08854E                              | 2728N | 2444-03494        | 00000/0000                   | 2-20022/1896                | 04/10/76         | 20                  | 6183            | 52.5         | 114.8        | GGGG                               |                     |                      | 149                   | 41                   |
| 08854E                              | 0421N | 2404-03344        | 00000/0000                   | 2-20021/0942                | 03/01/76         | 50                  | 5625            | 47.9         | 106.3        | GGGG                               |                     |                      | 145                   | 57                   |
| 08853E                              | 4840N | 2665-04053        | 00000/0000                   | 2-20037/0211                | 11/17/76         | 90                  | 9265            | 18.5         | 154.2        | GGGG                               |                     |                      | 154                   | 26                   |
| 08853E                              | 1005N | 2477-03353        | 00000/0000                   | 2-20025/0343                | 05/13/76         | 30                  | 6643            | 54.2         | 72.5         | GGGG                               |                     |                      | 144                   | 53                   |
| 08852E                              | 2729N | 2714-03410        | 00000/0000                   | 2-20038/0786                | 01/05/77         | 10                  | 9948            | 28.4         | 140.7        | GGGG                               |                     |                      | 149                   | 41                   |
| 08852E                              | 2727N | 2696-03415        | 00000/0000                   | 2-20034/0059                | 12/18/76         | 10                  | 9697            | 29.1         | 143.2        | GGGG                               |                     |                      | 149                   | 41                   |
| 08851E                              | 5434N | 2577-04181        | 00000/0000                   | 2-20030/1629                | 08/21/76         | 10                  | 8038            | 42.4         | 142.7        | GGGG                               |                     |                      | 156                   | 22                   |
| 08851E                              | 5145N | 2720-04081        | 00000/0000                   | 2-20038/1247                | 01/11/77         | 0                   | 32              | 11.6         | 150.8        | GGGG                               |                     |                      | 155                   | 24                   |
| 08851E                              | 1556N | 2442-03413        | 00000/0000                   | 2-20022/1703                | 04/08/76         | 50                  | 6155            | 53.6         | 99.6         | GGGG                               |                     |                      | 147                   | 49                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 23, 77

LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL PRINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>( ) | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PAYH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|--------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08850E                      | 2724N | 2678-03423 | 00000/0000         | 2-20036/1607                 | 11/30/76                    | 10               | 9446                | 31.7            | 144.0        |              | FQPG                               |                     |                      | 149                   | 41                   |
| 08850E                      | 2144N | 2443-03453 | 00000/0000         | 2-20022/1599                 | 04/09/76                    | 10               | 6169                | 53.3            | 107.3        |              | GGGG                               |                     |                      | 148                   | 45                   |
| 08850E                      | 2139N | 2479-03444 | 00000/0000         | 2-20025/0435                 | 05/15/76                    | 30               | 6671                | 58.0            | 88.8         |              | GGGG                               |                     |                      | 148                   | 45                   |
| 08849E                      | 5429N | 2559-04185 | 00000/0000         | 2-20030/0680                 | 08/03/76                    | 70               | 7787                | 47.2            | 139.0        |              | GGFG                               |                     |                      | 156                   | 22                   |
| 08849E                      | 2724N | 2660-03432 | 00000/0000         | 2-20034/0347                 | 11/12/76                    | 40               | 9195                | 35.6            | 142.5        |              | GGGG                               |                     |                      | 149                   | 41                   |
| 08848E                      | 5143N | 2576-04132 | 00000/0000         | 2-20030/1536                 | 08/20/76                    | 20               | 8024                | 44.4            | 139.2        |              | GGGG                               |                     |                      | 155                   | 24                   |
| 08848E                      | 2142N | 2713-03370 | 00000/0000         | 2-20038/1118                 | 01/04/77                    | 0                | 9934                | 32.1            | 137.8        |              | PPG                                |                     |                      | 148                   | 45                   |
| 08848E                      | 2139N | 2551-03424 | 00000/0000         | 2-20030/0053                 | 07/26/76                    | 80               | 7675                | 55.3            | 86.8         |              | GGGG                               |                     |                      | 148                   | 45                   |
| 08847E                      | 5139N | 2684-04094 | 00000/0000         | 2-20037/0309                 | 12/06/76                    | 0                | 9530                | 12.3            | 155.1        |              | FFFG                               |                     |                      | 155                   | 24                   |
| 08847E                      | 2717N | 2390-03512 | 00000/0000         | 2-20020/1601                 | 02/16/76                    | 10               | 5430                | 36.4            | 133.3        |              | GGGG                               |                     |                      | 149                   | 41                   |
| 08847E                      | 2143N | 2675-03375 | 00000/0000         | 2-20038/0002                 | 12/17/76                    | 40               | 9683                | 33.1            | 140.2        |              | G GG                               |                     |                      | 148                   | 45                   |
| 08847E                      | 2141N | 2425-03461 | 00000/0000         | 2-20022/0391                 | 03/22/76                    | 40               | 5918                | 48.8            | 115.9        |              | GGGG                               |                     |                      | 148                   | 45                   |
| 08847E                      | 1556N | 2712-03330 | 00000/0000         | 2-20038/0629                 | 01/03/77                    | 30               | 9920                | 35.6            | 134.5        |              | GGGG                               |                     |                      | 147                   | 49                   |
| 08847E                      | 1554N | 2694-03335 | 00000/0000         | 2-20037/0974                 | 12/16/76                    | 90               | 9669                | 36.9            | 136.8        |              | GGGG                               |                     |                      | 147                   | 49                   |
| 08847E                      | 1005N | 2405-03384 | 00000/0000         | 2-20021/0640                 | 03/02/76                    | 10               | 5639                | 47.0            | 112.1        |              | FGFF                               |                     |                      | 146                   | 53                   |
| 08847E                      | 1001N | 2369-03393 | 00000/0000         | 2-20020/0299                 | 01/26/76                    | 60               | 5137                | 41.6            | 126.7        |              | GGGG                               |                     |                      | 146                   | 53                   |
| 08846E                      | 2140N | 2677-03353 | 00000/0000         | 2-20036/1491                 | 11/29/76                    | 60               | 9432                | 35.8            | 140.6        |              | GGGG                               |                     |                      | 148                   | 45                   |
| 08846E                      | 2140N | 2751-03362 | 00000/0000         | 2-20039/0163                 | 01/22/77                    | 10               | 185                 | 33.1            | 133.3        |              | PPGG                               |                     |                      | 148                   | 45                   |
| 08846E                      | 1554N | 2424-03421 | 00000/0000         | 2-20022/0359                 | 03/21/76                    | 10               | 5904                | 49.9            | 109.3        |              | FFGF                               |                     |                      | 147                   | 49                   |
| 08845E                      | 5417N | 2523-04195 | 00000/0000         | 2-20022/0147                 | 06/28/76                    | 20               | 7285                | 53.0            | 136.2        |              | GGGG                               |                     |                      | 156                   | 22                   |
| 08845E                      | 5138N | 2558-04135 | 00000/0000         | 2-20030/0582                 | 08/02/76                    | 90               | 7773                | 49.0            | 135.0        |              | FFFG                               |                     |                      | 155                   | 24                   |
| 08845E                      | 5132N | 2504-04152 | 00000/0000         | 2-20026/1078                 | 06/09/76                    | 50               | 7020                | 54.6            | 133.7        |              | GGGG                               |                     |                      | 155                   | 24                   |
| 08845E                      | 2139N | 2659-03392 | 00000/0000         | 2-20036/0310                 | 11/11/76                    | 10               | 9181                | 39.7            | 138.4        |              | GGGG                               |                     |                      | 148                   | 45                   |
| 08845E                      | 1554N | 2730-03322 | 00000/0000         | 2-20039/0902                 | 01/21/77                    | 10               | 171                 | 36.1            | 130.3        |              | GGGG                               |                     |                      | 147                   | 49                   |
| 08844E                      | 5420N | 2541-04192 | 00000/0000         | 2-20028/1532                 | 07/16/76                    | 30               | 7536                | 50.9            | 136.5        |              | GGGG                               |                     |                      | 156                   | 22                   |
| 08844E                      | 1550N | 2406-03424 | 00000/0000         | 2-20021/1001                 | 03/03/76                    | 10               | 5653                | 45.6            | 117.8        |              | FGGG                               |                     |                      | 147                   | 49                   |
| 08843E                      | 5420N | 2505-04202 | 00000/0000         | 2-20024/1130                 | 06/10/76                    | 50               | 7034                | 53.2            | 137.9        |              | GGGG                               |                     |                      | 156                   | 22                   |
| 08843E                      | 1548N | 2370-03433 | 00000/0000         | 2-20020/0422                 | 01/27/76                    | 10               | 5151                | 38.8            | 130.9        |              | FGGG                               |                     |                      | 147                   | 49                   |
| 08842E                      | 4441N | 2448-04073 | 00000/0000         | 2-20023/0147                 | 04/14/76                    | 80               | 6239                | 46.5            | 135.2        |              | FGGG                               |                     |                      | 153                   | 29                   |
| 08840E                      | 4439N | 2718-03585 | 00000/0000         | 2-20038/0873                 | 01/09/77                    | 10               | 4                   | 16.0            | 147.9        |              | FGGG                               |                     |                      | 153                   | 29                   |
| 08840E                      | 4437N | 2430-04050 | 00000/0000         | 2-20022/0713                 | 03/27/76                    | 10               | 5988                | 40.1            | 138.4        |              | GGGG                               |                     |                      | 153                   | 29                   |
| 08839E                      | 4441N | 2574-04040 | 00000/0000         | 2-20030/1496                 | 08/18/76                    | 90               | 7996                | 48.7            | 130.1        |              | FGFF                               |                     |                      | 153                   | 29                   |
| 08839E                      | 4438N | 2466-04070 | 00000/0000         | 2-20024/1131                 | 05/02/76                    | 0                | 6490                | 52.0            | 131.2        |              | GGGG                               |                     |                      | 153                   | 29                   |
| 08839E                      | 4437N | 2700-03594 | 00000/0000         | 2-20037/1231                 | 12/27/76                    | 90               | 9753                | 16.2            | 150.5        |              | GGGG                               |                     |                      | 153                   | 29                   |
| 08839E                      | 3145N | 2697-03462 | 00000/0000         | 2-20038/0791                 | 12/19/76                    | 0                | 9711                | 26.0            | 145.2        |              | GGGG                               |                     |                      | 150                   | 38                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 29, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR MBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0660

| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | SERVIATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|------------------|-----------------------------------------|------------------|---------------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 08838E                      | 4439N | 2592-04033 | 00000/0000       | 2-20032/0702                            | 09/05/76         | 0                   | 8247         | 44.0         | 136.2                 | GFGG                |                      | 153                   | 29                   |
| 08838E                      | 3147N | 2715-03453 | 00000/0000       | 2-20038/0835                            | 01/06/77         | 20                  | 9962         | 25.5         | 142.7                 | GGGG                |                      | 150                   | 38                   |
| 08837E                      | 4435N | 2556-04043 | 00000/0000       | 2-20030/0370                            | 07/31/76         | 40                  | 7745         | 52.7         | 124.6                 | GGGG                |                      | 153                   | 29                   |
| 08837E                      | 4432N | 2632-04002 | 00000/0000       | 2-20036/1885                            | 12/04/76         | 90                  | 9502         | 18.2         | 152.0                 | FGGF                |                      | 153                   | 29                   |
| 08837E                      | 3141N | 2679-03470 | 00000/0000       | 2-20034/1705                            | 12/01/76         | 0                   | 9460         | 28.4         | 146.2                 | FGGF                |                      | 150                   | 38                   |
| 08836E                      | 5842N | 2471-04312 | 00000/0000       | 2-20024/1717                            | 05/07/76         | 30                  | 6560         | 45.0         | 148.7                 | GGGG                |                      | 158                   | 19                   |
| 08835E                      | 4430N | 2538-04051 | 00000/0000       | 2-20028/1830                            | 07/13/76         | 10                  | 7494         | 55.6         | 120.9                 | FFGF                |                      | 153                   | 29                   |
| 08835E                      | 4429N | 2502-04050 | 00000/0000       | 2-20026/0913                            | 06/07/76         | 70                  | 6992         | 57.6         | 122.3                 | GGGG                |                      | 153                   | 29                   |
| 08835E                      | 3140N | 2641-03475 | 00000/0000       | 2-20036/0473                            | 11/13/76         | 0                   | 9249         | 32.4         | 145.2                 | GGGG                |                      | 150                   | 38                   |
| 08833E                      | 4434N | 2610-04030 | 00000/0000       | 2-20032/1704                            | 09/23/76         | 40                  | 8498         | 38.6         | 142.1                 | GGGG                |                      | 153                   | 29                   |
| 08833E                      | 4426N | 2664-04011 | 00000/0000       | 2-20036/0767                            | 11/16/76         | 30                  | 9251         | 22.0         | 152.1                 | GGGG                |                      | 153                   | 29                   |
| 08832E                      | 5846N | 2579-04282 | 00000/0000       | 2-20032/0313                            | 08/23/76         | 40                  | 8066         | 39.1         | 148.0                 | FGGG                |                      | 158                   | 19                   |
| 08832E                      | 4426N | 2646-04015 | 00000/0000       | 2-20035/0217                            | 10/29/76         | 20                  | 9000         | 27.1         | 150.4                 | GGGG                |                      | 153                   | 29                   |
| 08832E                      | 4424N | 2520-04054 | 00000/0000       | 2-20027/0489                            | 06/25/76         | 100                 | 7243         | 57.4         | 120.0                 | GGGG                |                      | 153                   | 29                   |
| 08832E                      | 4022N | 2699-03551 | 00000/0000       | 2-20037/1142                            | 12/21/76         | 40                  | 9739         | 19.5         | 148.8                 | FFGG                |                      | 152                   | 32                   |
| 08832E                      | 3604N | 2716-03500 | 00000/0000       | 2-20038/0924                            | 01/07/77         | 10                  | 9976         | 22.6         | 144.5                 | GGGG                |                      | 151                   | 35                   |
| 08832E                      | 0839N | 2477-03370 | 00000/0000       | 2-20025/0344                            | 05/13/76         | 20                  | 6643         | 53.5         | 70.7                  | GGGG                |                      | 146                   | 54                   |
| 08831E                      | 3602N | 2698-03504 | 00000/0000       | 2-20037/1190                            | 12/20/76         | 10                  | 9725         | 22.8         | 147.1                 | GGGG                |                      | 151                   | 35                   |
| 08831E                      | 2602N | 2444-03500 | 00000/0000       | 2-20022/1897                            | 04/10/76         | 10                  | 6183         | 52.8         | 112.9                 | GGGG                |                      | 149                   | 42                   |
| 08830E                      | 4022N | 2717-03543 | 00000/0000       | 2-20038/1043                            | 01/08/77         | 10                  | 9990         | 19.6         | 146.2                 | FGGG                |                      | 152                   | 32                   |
| 08830E                      | 3601N | 2680-03513 | 00000/0000       | 2-20036/1771                            | 12/02/76         | 0                   | 9474         | 25.0         | 148.3                 | GGGG                |                      | 151                   | 35                   |
| 08830E                      | 1429N | 2442-03420 | 00000/0000       | 2-20022/1704                            | 04/08/76         | 10                  | 6155         | 53.5         | 97.6                  | GGGG                |                      | 147                   | 50                   |
| 08829E                      | 5839N | 2561-04290 | 00000/0000       | 2-20030/0888                            | 08/05/76         | 70                  | 7815         | 44.2         | 144.8                 | GGGG                |                      | 158                   | 19                   |
| 08829E                      | 4017N | 2681-03555 | 00000/0000       | 2-20037/0025                            | 12/03/76         | 40                  | 9488         | 21.6         | 150.2                 | FGGG                |                      | 152                   | 32                   |
| 08829E                      | 2602N | 2714-03413 | 00000/0000       | 2-20038/0787                            | 01/05/77         | 10                  | 9948         | 29.3         | 140.0                 | GGGG                |                      | 149                   | 42                   |
| 08828E                      | 3556N | 2662-03521 | 00000/0000       | 2-20036/0562                            | 11/14/76         | 10                  | 9223         | 29.0         | 147.6                 | GGGG                |                      | 151                   | 35                   |
| 08828E                      | 2601N | 2696-03421 | 00000/0000       | 2-20035/0060                            | 12/18/76         | 30                  | 9697         | 30.1         | 142.5                 | GGGG                |                      | 149                   | 42                   |
| 08828E                      | 2017N | 2443-03460 | 00000/0000       | 2-20022/1600                            | 04/09/76         | 30                  | 6169         | 53.5         | 105.3                 | GGGG                |                      | 148                   | 46                   |
| 08828E                      | 2013N | 2479-03450 | 00000/0000       | 2-20025/0436                            | 05/15/76         | 40                  | 6671         | 57.7         | 86.4                  | GGGG                |                      | 148                   | 46                   |
| 08827E                      | 4012N | 2663-03564 | 00000/0000       | 2-20036/0661                            | 11/15/76         | 20                  | 9237         | 25.6         | 149.9                 | GGGG                |                      | 152                   | 32                   |
| 08827E                      | 2558N | 2678-03430 | 00000/0000       | 2-20036/1608                            | 11/30/76         | 10                  | 9446         | 32.7         | 143.2                 | PPGG                |                      | 149                   | 42                   |
| 08827E                      | 0839N | 2405-03370 | 00000/0000       | 2-20021/0633                            | 03/02/76         | 10                  | 5639         | 47.3         | 110.4                 | G FF                |                      | 146                   | 54                   |
| 08826E                      | 2558N | 2660-03434 | 00000/0000       | 2-20036/0348                            | 11/12/76         | 10                  | 9195         | 36.6         | 141.5                 | GGGG                |                      | 149                   | 42                   |
| 08826E                      | 2016N | 2713-03373 | 00000/0000       | 2-20038/1119                            | 01/04/77         | 0                   | 9934         | 33.0         | 137.0                 | FGGF                |                      | 148                   | 46                   |
| 08826E                      | 0835N | 2369-03400 | 00000/0000       | 2-20020/0300                            | 01/26/76         | 70                  | 5137         | 42.2         | 125.5                 | GGGG                |                      | 146                   | 54                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 26, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR N8N-UIS  
FROM 01/22/76 TO 01/22/77

PAGE 0861

| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08825E                      | 5830N | 2507-04303 | 00000/0000        | 2-20024/1371                 | 06/12/76                    | 10               | 7062                | 50.8            | 144.1        |              | GGGG                               |                     |                      | 158                   | 19                   |
| 08825E                      | 5830N | 2543-04293 | 00000/0000        | 2-20024/1758                 | 07/18/76                    | 30               | 7564                | 48.2            | 142.8        |              | GGGG                               |                     |                      | 158                   | 19                   |
| 08825E                      | 2554N | 2624-03450 | 00000/0000        | 2-20034/0354                 | 10/07/76                    | 50               | 8693                | 45.7            | 130.6        |              | GGGG                               |                     |                      | 149                   | 42                   |
| 08825E                      | 2016N | 2695-03371 | 00000/0000        | 2-20038/0021                 | 12/17/76                    | 40               | 9683                | 34.0            | 139.4        |              | GGF                                |                     |                      | 148                   | 46                   |
| 08825E                      | 2014N | 2425-03463 | 00000/0000        | 2-20027/0392                 | 03/22/76                    | 10               | 5918                | 49.2            | 114.1        |              | FGGF                               |                     |                      | 148                   | 46                   |
| 08825E                      | 2014N | 2731-03365 | 00000/0000        | 2-20039/0164                 | 01/22/77                    | 10               | 185                 | 33.9            | 132.9        |              | FGGF                               |                     |                      | 148                   | 46                   |
| 08825E                      | 1427N | 2424-03423 | 00000/0000        | 2-20027/0360                 | 03/21/76                    | 10               | 5904                | 50.1            | 107.6        |              | FFFG                               |                     |                      | 147                   | 50                   |
| 08824E                      | 2554N | 2642-03443 | 00000/0000        | 2-20034/1134                 | 10/25/76                    | 40               | 8944                | 41.2            | 137.3        |              | GGGG                               |                     |                      | 149                   | 42                   |
| 08824E                      | 2551N | 2390-03514 | 00000/0000        | 2-20020/1602                 | 02/16/76                    | 10               | 5430                | 37.2            | 132.3        |              | GGGG                               |                     |                      | 149                   | 42                   |
| 08824E                      | 2549N | 2372-03521 | 00000/0000        | 2-20020/0526                 | 01/29/76                    | 10               | 5179                | 33.3            | 137.1        |              | FGGG                               |                     |                      | 149                   | 42                   |
| 08823E                      | 5828N | 2525-04300 | 00000/0000        | 2-20028/0413                 | 06/30/76                    | 100              | 7313                | 50.5            | 142.6        |              | GGG                                |                     |                      | 153                   | 19                   |
| 08823E                      | 2014N | 2677-03390 | 00000/0000        | 2-20036/1492                 | 11/29/76                    | 70               | 9432                | 36.7            | 139.7        |              | GGGG                               |                     |                      | 149                   | 46                   |
| 08823E                      | 2013N | 2659-03339 | 00000/0000        | 2-20036/0311                 | 11/11/76                    | 10               | 9181                | 40.6            | 137.4        |              | GGGG                               |                     |                      | 148                   | 46                   |
| 08823E                      | 1425N | 2406-03431 | 00000/0000        | 2-20021/1002                 | 03/03/76                    | 10               | 5653                | 46.1            | 116.3        |              | GFGG                               |                     |                      | 147                   | 50                   |
| 08822E                      | 5601N | 2452-04270 | 00000/0000        | 2-20024/0081                 | 04/18/76                    | 0                | 6295                | 40.9            | 147.2        |              | FGGG                               |                     |                      | 157                   | 21                   |
| 08822E                      | 4729N | 2719-04034 | 00000/0000        | 2-20038/1150                 | 01/10/77                    | 0                | 18                  | 14.6            | 149.0        |              | GGGG                               |                     |                      | 154                   | 27                   |
| 08822E                      | 1422N | 2370-03440 | 00000/0000        | 2-20020/0423                 | 01/27/76                    | 20               | 5151                | 39.5            | 129.8        |              | GGFG                               |                     |                      | 147                   | 50                   |
| 08819E                      | 5559N | 2470-04263 | 00000/0000        | 2-20024/1418                 | 05/06/76                    | 80               | 6546                | 46.5            | 145.4        |              | GGGG                               |                     |                      | 157                   | 21                   |
| 08818E                      | 4722N | 2683-04051 | 00000/0000        | 2-20037/0109                 | 12/05/76                    | 10               | 9516                | 15.8            | 153.2        |              | GGGG                               |                     |                      | 154                   | 27                   |
| 08816E                      | 4714N | 2665-04060 | 00000/0000        | 2-20037/0212                 | 11/17/76                    | 90               | 9265                | 19.6            | 153.5        |              | GGGG                               |                     |                      | 154                   | 27                   |
| 08815E                      | 5023N | 2450-04171 | 00000/0000        | 2-20023/0251                 | 04/16/76                    | 70               | 6267                | 43.9            | 141.2        |              | FGGG                               |                     |                      | 155                   | 25                   |
| 08814E                      | 5020N | 2458-04164 | 00000/0000        | 2-20024/1345                 | 05/04/76                    | 10               | 6518                | 49.5            | 138.4        |              | GGGG                               |                     |                      | 155                   | 25                   |
| 08814E                      | 3019N | 2697-03464 | 00000/0000        | 2-20038/0292                 | 12/19/76                    | 0                | 9711                | 27.0            | 144.5        |              | GGGG                               |                     |                      | 150                   | 39                   |
| 08813E                      | 5557N | 2578-04233 | 00000/0000        | 2-20030/1697                 | 08/22/76                    | 20               | 8052                | 41.2            | 144.5        |              | GGGG                               |                     |                      | 157                   | 21                   |
| 08813E                      | 3020N | 2715-03460 | 00000/0000        | 2-20034/0836                 | 01/06/77                    | 10               | 9962                | 26.5            | 142.0        |              | GGGG                               |                     |                      | 150                   | 39                   |
| 08812E                      | 5555N | 2596-04230 | 00000/0000        | 2-20032/1038                 | 09/09/76                    | 0                | 8303                | 35.5            | 148.5        |              | GFGG                               |                     |                      | 157                   | 21                   |
| 08812E                      | 5550N | 2488-04260 | 00000/0000        | 2-20025/1139                 | 05/24/76                    | 90               | 6797                | 50.5            | 142.7        |              | GGGG                               |                     |                      | 157                   | 21                   |
| 08812E                      | 5312N | 2469-04213 | 00000/0000        | 2-20024/1525                 | 05/05/76                    | 70               | 6532                | 48.0            | 141.9        |              | GGGG                               |                     |                      | 156                   | 23                   |
| 08812E                      | 3016N | 2679-03473 | 00000/0000        | 2-20036/1706                 | 12/01/76                    | 0                | 9460                | 29.5            | 145.5        |              | GGFF                               |                     |                      | 150                   | 39                   |
| 08812E                      | 0713N | 2477-03372 | 00000/0000        | 2-20025/0345                 | 05/13/76                    | 30               | 6643                | 52.8            | 68.9         |              | GGGG                               |                     |                      | 146                   | 55                   |
| 08811E                      | 5551N | 2560-04240 | 00000/0000        | 2-20030/0787                 | 08/04/76                    | 80               | 7801                | 46.2            | 141.0        |              | GGGG                               |                     |                      | 157                   | 21                   |
| 08811E                      | 5020N | 2720-04054 | 00000/0000        | 2-20038/1248                 | 01/11/77                    | 0                | 32                  | 12.6            | 150.1        |              | GGGG                               |                     |                      | 155                   | 25                   |
| 08810E                      | 5551N | 2614-04223 | 00000/0000        | 2-20034/0061                 | 09/27/76                    | 90               | 8554                | 29.3            | 152.4        |              | GGGG                               |                     |                      | 157                   | 21                   |
| 08810E                      | 3014N | 2661-03441 | 00000/0000        | 2-20036/0474                 | 11/13/76                    | 0                | 9209                | 33.4            | 144.3        |              | GGGG                               |                     |                      | 150                   | 39                   |
| 08810E                      | 2436N | 2462-03500 | 00000/0000        | 2-20024/0714                 | 04/28/76                    | 70               | 6434                | 56.7            | 102.0        |              | GGGG                               |                     |                      | 149                   | 48                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL<br>POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|--------------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08809E                         | 4316V | 2448-04075 | 00000/0000        | 2-20023/0148                 | 04/14/76                    | 40               | 6239                | 47.3            | 133.6        |              |                                    |                     |                      |                       |                      |
| 08809E                         | 1852N | 2461-03455 | 00000/0000        | 2-20024/0183                 | 04/27/76                    | 30               | 6420                | 56.4            | 93.3         |              | GGGG                               |                     | 153                  | 30                    |                      |
| 08809E                         | 1303N | 2442-03422 | 00000/0000        | 2-20022/1705                 | 04/08/76                    | 10               | 6155                | 53.5            | 95.5         |              | GGGG                               |                     | 148                  | 47                    |                      |
| 08808E                         | 4312V | 2430-04053 | 00000/0000        | 2-20022/0714                 | 03/27/76                    | 10               | 5988                | 40.9            | 137.0        |              | GGGG                               |                     | 147                  | 51                    |                      |
| 08807E                         | 5014N | 2634-04100 | 00000/0000        | 2-20037/0310                 | 12/06/76                    | 10               | 9530                | 13.4            | 154.4        |              | FGGG                               |                     | 153                  | 30                    |                      |
| 08807E                         | 4316V | 2574-04043 | 00000/0000        | 2-20030/1497                 | 05/18/76                    | 100              | 7996                | 49.4            | 128.3        |              | GGFF                               |                     | 155                  | 25                    |                      |
| 08807E                         | 4314V | 2718-03592 | 00000/0000        | 2-20038/0874                 | 01/09/77                    | 20               | 4                   | 17.6            | 147.3        |              | GGGG                               |                     | 153                  | 30                    |                      |
| 08807E                         | 4313N | 2466-04072 | 00000/0000        | 2-20024/1132                 | 05/02/76                    | 0                | 6490                | 52.7            | 129.2        |              | GGGG                               |                     | 153                  | 30                    |                      |
| 08807E                         | 1846N | 2479-03452 | 00000/0000        | 2-20025/0437                 | 05/15/76                    | 80               | 6671                | 57.4            | 84.1         |              | GGGG                               |                     | 153                  | 30                    |                      |
| 08807E                         | 0713V | 2405-03392 | 00000/0000        | 2-20021/0641                 | 03/02/76                    | 10               | 5639                | 47.6            | 109.0        |              | GGGG                               |                     | 148                  | 47                    |                      |
| 08806E                         | 5309N | 2577-04184 | 00000/0000        | 2-20030/1630                 | 08/21/76                    | 10               | 8038                | 43.3            | 141.1        |              | GGGG                               |                     | 146                  | 55                    |                      |
| 08806E                         | 5302V | 2685-04150 | 00000/0000        | 2-20036/1804                 | 12/07/76                    | 10               | 9544                | 11.0            | 155.7        |              | FPGG                               |                     | 156                  | 23                    |                      |
| 08806E                         | 4312V | 2700-04000 | 00000/0000        | 2-20037/1232                 | 12/22/76                    | 30               | 9753                | 17.3            | 149.9        |              | GGGG                               |                     | 153                  | 30                    |                      |
| 08806E                         | 2435N | 2636-03424 | 00000/0000        | 2-20038/0061                 | 12/18/76                    | 70               | 9697                | 31.0            | 141.7        |              | GGGG                               |                     | 149                  | 43                    |                      |
| 08806E                         | 2435N | 2714-03415 | 00000/0000        | 2-20038/0788                 | 01/05/77                    | 0                | 9948                | 30.3            | 139.2        |              | GGGG                               |                     | 149                  | 43                    |                      |
| 08806E                         | 2430V | 2534-03481 | 00000/0000        | 2-20028/0988                 | 07/09/76                    | 50               | 7438                | 56.9            | 86.2         |              | GGGG                               |                     | 149                  | 43                    |                      |
| 08806E                         | 2429V | 2552-03473 | 00000/0000        | 2-20030/0254                 | 07/27/76                    | 60               | 7689                | 55.8            | 91.6         |              | G                                  |                     | 149                  | 43                    |                      |
| 08806E                         | 0708N | 2369-03402 | 00000/0000        | 2-20020/0301                 | 01/25/76                    | 80               | 5137                | 42.9            | 124.2        |              | GGGG                               |                     | 146                  | 55                    |                      |
| 08805E                         | 5545N | 2542-04244 | 00000/0000        | 2-20028/1682                 | 07/17/76                    | 10               | 7550                | 50.0            | 138.7        |              | GGGG                               |                     | 157                  | 21                    |                      |
| 08805E                         | 5541N | 2526-04254 | 00000/0000        | 2-20026/1674                 | 06/11/76                    | 70               | 7048                | 52.5            | 139.9        |              | GGGG                               |                     | 157                  | 21                    |                      |
| 08805E                         | 5540N | 2524-04251 | 00000/0000        | 2-20028/0275                 | 06/29/76                    | 90               | 7299                | 52.2            | 138.3        |              | GGGG                               |                     | 157                  | 21                    |                      |
| 08805E                         | 5009N | 2540-04145 | 00000/0000        | 2-20028/1453                 | 07/15/76                    | 90               | 7522                | 53.1            | 130.2        |              | GGG                                |                     | 155                  | 25                    |                      |
| 08805E                         | 5007N | 2504-04155 | 00000/0000        | 2-20026/1079                 | 06/09/76                    | 90               | 7020                | 55.3            | 131.4        |              | GGGG                               |                     | 155                  | 25                    |                      |
| 08805E                         | 4314V | 2592-04040 | 00000/0000        | 2-20032/0703                 | 09/05/76                    | 0                | 8247                | 44.8            | 134.7        |              | GGGG                               |                     | 153                  | 30                    |                      |
| 08805E                         | 4310V | 2556-04050 | 00000/0000        | 2-20030/0371                 | 07/31/76                    | 30               | 7745                | 53.2            | 122.5        |              | FFGG                               |                     | 153                  | 30                    |                      |
| 08805E                         | 4307N | 2632-04005 | 00000/0000        | 2-20036/1886                 | 12/04/76                    | 70               | 9502                | 19.3            | 151.4        |              | PPFP                               |                     | 153                  | 30                    |                      |
| 08805E                         | 3438N | 2716-03502 | 00000/0000        | 2-20038/0925                 | 01/07/77                    | 10               | 9976                | 23.6            | 143.8        |              | GGGG                               |                     | 151                  | 36                    |                      |
| 08805E                         | 2431N | 2426-03510 | 00000/0000        | 2-20021/1809                 | 03/23/76                    | 0                | 5932                | 48.2            | 118.8        |              | GG G                               |                     | 149                  | 43                    |                      |
| 08805E                         | 2431V | 2678-03432 | 00000/0000        | 2-20036/1609                 | 11/30/76                    | 0                | 9446                | 33.7            | 142.3        |              | PPFP                               |                     | 149                  | 43                    |                      |
| 08805E                         | 1301V | 2424-03430 | 00000/0000        | 2-20022/0361                 | 03/21/76                    | 10               | 5904                | 50.3            | 105.8        |              | FGGG                               |                     | 147                  | 51                    |                      |
| 08804E                         | 5305N | 2559-04191 | 00000/0000        | 2-20030/0651                 | 08/03/76                    | 100              | 7787                | 48.0            | 137.1        |              | FGGG                               |                     | 156                  | 23                    |                      |
| 08804E                         | 3437N | 2698-03511 | 00000/0000        | 2-20037/1191                 | 12/20/76                    | 10               | 9725                | 23.8            | 146.4        |              | GGGG                               |                     | 151                  | 36                    |                      |
| 08804E                         | 2431N | 2660-03441 | 00000/0000        | 2-20036/0349                 | 11/12/76                    | 10               | 9195                | 37.6            | 140.6        |              | GGGG                               |                     | 149                  | 43                    |                      |
| 08804E                         | 1850V | 2713-03375 | 00000/0000        | 2-20038/1120                 | 01/04/77                    | 0                | 9934                | 33.9            | 136.1        |              | GGGF                               |                     | 148                  | 47                    |                      |
| 08804E                         | 1847N | 2425-03470 | 00000/0000        | 2-20022/0393                 | 03/22/76                    | 10               | 5918                | 49.6            | 112.4        |              | FGGG                               |                     | 148                  | 47                    |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANKS)=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSEVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|------------------|-----------------------|----------------------|------------------|----------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                  | RBV                   | MSS                  |                  | %              |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 08803E                      | 4305N            | 2538-04053            | 00000/0000           | 2-20022/1831     | 07/13/76       | 10              | 7494         | 56.1         | 118.6                 | FFGP                |                      | 153                   | 30                   |
| 08803E                      | 4304N            | 2502-04063            | 00000/0000           | 2-20026/0914     | 06/07/76       | 50              | 6992         | 58.0         | 119.8                 | GGGG                |                      | 153                   | 30                   |
| 08803E                      | 3436N            | 2680-03515            | 00000/0000           | 2-20036/1772     | 12/02/76       | 0               | 9474         | 26.1         | 147.6                 | GGGG                |                      | 151                   | 36                   |
| 08803E                      | 1847N            | 2731-03371            | 00000/0000           | 2-20039/0165     | 01/22/77       | 10              | 185          | 34.7         | 132.0                 | GGGG                |                      | 148                   | 47                   |
| 08802E                      | 3856N            | 2699-03553            | 00000/0000           | 2-20037/1143     | 12/21/76       | 40              | 9739         | 20.6         | 148.2                 | FGGG                |                      | 152                   | 33                   |
| 08802E                      | 2428N            | 2624-03453            | 00000/0000           | 2-20034/0355     | 10/07/76       | 30              | 8693         | 46.4         | 129.1                 | FGGG                |                      | 149                   | 43                   |
| 08802E                      | 1848N            | 2677-03392            | 00000/0000           | 2-20036/1433     | 11/29/76       | 90              | 9432         | 37.7         | 138.7                 | GGGG                |                      | 148                   | 47                   |
| 08802E                      | 1259N            | 2406-03433            | 00000/0000           | 2-20021/1003     | 03/03/76       | 10              | 5653         | 46.5         | 114.8                 | GGGG                |                      | 147                   | 51                   |
| 08801E                      | 5256N            | 2667-04154            | 00000/0000           | 2-20036/0974     | 11/19/76       | 90              | 9293         | 14.5         | 156.4                 | G                   |                      | 156                   | 23                   |
| 08801E                      | 4302N            | 2664-04013            | 00000/0000           | 2-20036/0768     | 11/16/76       | 0               | 9251         | 23.1         | 151.4                 | FFGG                |                      | 153                   | 30                   |
| 08801E                      | 4259N            | 2520-04060            | 00000/0000           | 2-20027/0490     | 06/25/76       | 100             | 7243         | 57.8         | 117.5                 | GGGG                |                      | 153                   | 30                   |
| 08801E                      | 3431N            | 2662-03524            | 00000/0000           | 2-20036/0563     | 11/14/76       | 0               | 9223         | 30.1         | 146.9                 | GGGG                |                      | 151                   | 36                   |
| 08801E                      | 2428N            | 2642-03445            | 00000/0000           | 2-20034/1135     | 10/25/76       | 0               | 8944         | 42.1         | 136.2                 | GGGG                |                      | 149                   | 43                   |
| 08801E                      | 2425N            | 2390-03521            | 00000/0000           | 2-20020/1603     | 02/16/76       | 10              | 5430         | 38.0         | 131.2                 | GGGG                |                      | 149                   | 43                   |
| 08801E                      | 1255N            | 2370-03442            | 00000/0000           | 2-20020/0424     | 01/27/76       | 20              | 5151         | 40.3         | 128.7                 | GGGG                |                      | 147                   | 51                   |
| 08800E                      | 5256N            | 2541-04134            | 00000/0000           | 2-20028/1533     | 07/16/76       | 10              | 7536         | 51.6         | 134.5                 | GGGG                |                      | 156                   | 23                   |
| 08800E                      | 5254N            | 2523-04201            | 00000/0000           | 2-20028/0148     | 06/28/76       | 10              | 7285         | 53.7         | 134.0                 | GGGG                |                      | 156                   | 23                   |
| 08800E                      | 4309N            | 2610-04033            | 00000/0000           | 2-20032/1705     | 09/23/76       | 20              | 8498         | 39.5         | 140.9                 | GGGG                |                      | 153                   | 30                   |
| 08800E                      | 4301N            | 2646-04021            | 00000/0000           | 2-20035/0218     | 10/29/76       | 10              | 9000         | 28.2         | 149.6                 | GGGG                |                      | 153                   | 30                   |
| 08800E                      | 3856N            | 2717-03545            | 00000/0000           | 2-20038/1044     | 01/08/77       | 0               | 9990         | 20.6         | 145.6                 | FGGG                |                      | 152                   | 33                   |
| 08759E                      | 5255N            | 2505-04204            | 00000/0000           | 2-20026/1131     | 06/10/76       | 20              | 7034         | 54.0         | 135.7                 | GGGG                |                      | 156                   | 23                   |
| 08759E                      | 3851N            | 2651-03562            | 00000/0000           | 2-20037/0026     | 12/03/76       | 20              | 9488         | 22.7         | 149.5                 | FGGG                |                      | 152                   | 33                   |
| 08758E                      | 3847N            | 2663-03570            | 00000/0000           | 2-20036/0662     | 11/15/76       | 40              | 9237         | 26.6         | 149.2                 | GGGG                |                      | 152                   | 33                   |
| 08752E                      | 0546N            | 2477-03375            | 00000/0000           | 2-20025/0346     | 05/13/76       | 20              | 6643         | 52.1         | 67.3                  | FGGG                |                      | 144                   | 56                   |
| 08750E                      | 2852N            | 2697-03471            | 00000/0000           | 2-20038/0293     | 12/19/76       | 0               | 9711         | 28.0         | 143.8                 | FGGG                |                      | 150                   | 40                   |
| 08749E                      | 2854N            | 2715-03462            | 00000/0000           | 2-20038/0837     | 01/06/77       | 10              | 9962         | 27.5         | 141.3                 | GGGG                |                      | 150                   | 40                   |
| 08749E                      | 1136N            | 2442-03425            | 00000/0000           | 2-20022/1706     | 04/08/76       | 10              | 6155         | 53.3         | 93.5                  | FGGG                |                      | 147                   | 52                   |
| 08748E                      | 2850N            | 2679-03475            | 00000/0000           | 2-20036/1707     | 12/01/76       | 0               | 9460         | 30.5         | 144.7                 | GGGG                |                      | 150                   | 40                   |
| 08748E                      | 2310N            | 2462-03502            | 00000/0000           | 2-20024/0715     | 04/28/76       | 20              | 6434         | 56.7         | 99.6                  | GGGG                |                      | 149                   | 44                   |
| 08747E                      | 4105N            | 2719-04041            | 00000/0000           | 2-20038/1151     | 01/10/77       | 10              | 18           | 15.6         | 148.4                 | GGGG                |                      | 154                   | 28                   |
| 08747E                      | 2348N            | 2661-03484            | 00000/0000           | 2-20036/0475     | 11/13/76       | 0               | 9209         | 34.4         | 143.5                 | GGGG                |                      | 150                   | 40                   |
| 08747E                      | 0545N            | 2405-03395            | 00000/0000           | 2-20021/0642     | 03/02/76       | 20              | 5639         | 47.8         | 107.3                 | FFGG                |                      | 146                   | 56                   |
| 08746E                      | 1720N            | 2479-03455            | 00000/0000           | 2-20025/0438     | 05/15/76       | 90              | 6671         | 57.0         | 81.8                  | FGGG                |                      | 148                   | 48                   |
| 08746E                      | 0542N            | 2369-03405            | 00000/0000           | 2-20020/0302     | 01/26/76       | 80              | 5137         | 43.5         | 123.0                 | GGGG                |                      | 146                   | 56                   |
| 08745E                      | 1725N            | 2443-03465            | 00000/0000           | 2-20022/1601     | 04/09/76       | 20              | 6169         | 53.7         | 101.1                 | GGGG                |                      | 148                   | 48                   |

KEYS: CLOUD COVER 4 ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR N84-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | SUBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MGDF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|--------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                    | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 08744E                      | 2309N | 2714-03422         | 00000/0000 2-20038/0789                 | 01/05/77         | 0                   | 9948            | 31.2         | 138.4        | GGGG                  |                     |                      | 149                   | 44                   |
| 08744E                      | 2308N | 2696-03430         | 00000/0000 2-20038/0062                 | 12/18/76         | 60                  | 9697            | 32.0         | 141.0        | GGGG                  |                     |                      | 149                   | 44                   |
| 08744E                      | 1134N | 2424-03432         | 00000/0000 2-20022/0362                 | 03/21/76         | 20                  | 5904            | 50.5         | 103.9        | FFGG                  |                     |                      | 147                   | 52                   |
| 08743E                      | 2303N | 2534-03483         | 00000/0000 2-20028/0989                 | 07/09/76         | 60                  | 7438            | 56.5         | 84.0         | GGGG                  |                     |                      | 149                   | 44                   |
| 08743E                      | 2303N | 2552-03480         | 00000/0000 2-20030/0257                 | 07/27/76         | 70                  | 7689            | 55.5         | 89.4         | GGGG                  |                     |                      | 149                   | 44                   |
| 08743E                      | 1723N | 2713-03382         | 00000/0000 2-20038/1121                 | 01/04/77         | 10                  | 9934            | 34.7         | 135.2        | FGGG                  |                     |                      | 148                   | 48                   |
| 08742E                      | 5719N | 2471-04315         | 00000/0000 2-20024/1718                 | 05/07/76         | 90                  | 6560            | 45.9         | 146.9        | GGGG                  |                     |                      | 158                   | 20                   |
| 08742E                      | 4557N | 2683-04054         | 00000/0000 2-20037/0110                 | 12/05/76         | 10                  | 9516            | 16.9         | 152.6        | GGGG                  |                     |                      | 154                   | 28                   |
| 08742E                      | 2304N | 2426-03513         | 00000/0000 2-20021/1810                 | 03/23/76         | 10                  | 5932            | 48.7         | 117.1        | GG G                  |                     |                      | 149                   | 44                   |
| 08742E                      | 2304N | 2678-03435         | 00000/0000 2-20036/1610                 | 11/30/76         | 0                   | 9446            | 34.6         | 141.5        | PPGP                  |                     |                      | 149                   | 44                   |
| 08742E                      | 1721N | 2425-03472         | 00000/0000 2-20022/0394                 | 03/22/76         | 40                  | 5918            | 49.9         | 110.6        | FGGG                  |                     |                      | 148                   | 48                   |
| 08742E                      | 1720N | 2731-03374         | 00000/0000 2-20039/0166                 | 01/22/77         | 10                  | 185             | 35.5         | 131.0        | GGGG                  |                     |                      | 148                   | 48                   |
| 08741E                      | 4549N | 2665-04062         | 00000/0000 2-20037/0213                 | 11/17/76         | 90                  | 9265            | 20.7         | 152.8        | GGGG                  |                     |                      | 154                   | 28                   |
| 08741E                      | 2304N | 2660-03443         | 00000/0000 2-20036/0350                 | 11/12/76         | 10                  | 9195            | 38.5         | 139.6        | GGGG                  |                     |                      | 149                   | 44                   |
| 08741E                      | 1132N | 2406-03440         | 00000/0000 2-20021/1004                 | 03/03/76         | 10                  | 5653            | 46.9         | 113.2        | GGGG                  |                     |                      | 147                   | 52                   |
| 08740E                      | 1721N | 2677-03395         | 00000/0000 2-20036/1494                 | 11/29/76         | 90                  | 9432            | 38.6         | 137.8        | GGGG                  |                     |                      | 148                   | 48                   |
| 08740E                      | 1129N | 2370-03445         | 00000/0000 2-20020/0425                 | 01/27/76         | 20                  | 5151            | 41.0         | 127.5        | GGGG                  |                     |                      | 147                   | 52                   |
| 08739E                      | 3312N | 2716-03505         | 00000/0000 2-20038/0926                 | 01/07/77         | 10                  | 9976            | 24.6         | 143.2        | GGGG                  |                     |                      | 151                   | 37                   |
| 08738E                      | 5723N | 2579-04285         | 00000/0000 2-20037/0314                 | 08/23/76         | 30                  | 8066            | 40.0         | 146.4        | GGGG                  |                     |                      | 158                   | 20                   |
| 08738E                      | 4151N | 2448-04082         | 00000/0000 2-20023/0149                 | 04/14/76         | 10                  | 6239            | 48.1         | 131.9        | GGGG                  |                     |                      | 153                   | 31                   |
| 08738E                      | 3310N | 2698-03513         | 00000/0000 2-20037/1192                 | 12/20/76         | 10                  | 9725            | 24.9         | 145.8        | GGGG                  |                     |                      | 151                   | 37                   |
| 08738E                      | 2259N | 2390-03523         | 00000/0000 2-20020/1604                 | 02/16/76         | 10                  | 5430            | 38.7         | 130.1        | GGGG                  |                     |                      | 149                   | 44                   |
| 08737E                      | 4858N | 2450-04174         | 00000/0000 2-20023/0252                 | 04/16/76         | 10                  | 6267            | 44.8         | 139.6        | GGGG                  |                     |                      | 155                   | 26                   |
| 08737E                      | 4147N | 2430-04085         | 00000/0000 2-20022/0715                 | 03/27/76         | 10                  | 5988            | 41.7         | 135.7        | FGGG                  |                     |                      | 153                   | 31                   |
| 08737E                      | 4147N | 2466-04075         | 00000/0000 2-20024/1133                 | 05/02/76         | 0                   | 6490            | 53.3         | 127.2        | GGGG                  |                     |                      | 153                   | 31                   |
| 08737E                      | 3310N | 2680-03522         | 00000/0000 2-20036/1773                 | 12/02/76         | 0                   | 9474            | 27.2         | 146.9        | GGGG                  |                     |                      | 151                   | 37                   |
| 08736E                      | 4855N | 2468-04171         | 00000/0000 2-20024/1346                 | 05/04/76         | 30                  | 6518            | 50.3         | 136.5        | GGGG                  |                     |                      | 155                   | 26                   |
| 08736E                      | 3306N | 2662-03530         | 00000/0000 2-20036/0564                 | 11/14/76         | 0                   | 9223            | 31.1         | 146.1        | GFGG                  |                     |                      | 151                   | 37                   |
| 08735E                      | 5716N | 2561-04292         | 00000/0000 2-20030/0889                 | 08/05/76         | 80                  | 7815            | 45.1         | 143.0        | GGGG                  |                     |                      | 158                   | 20                   |
| 08735E                      | 4148N | 2718-03594         | 00000/0000 2-20038/0875                 | 01/09/77         | 10                  | 4               | 18.7         | 146.7        | GGGG                  |                     |                      | 153                   | 31                   |
| 08735E                      | 4147N | 2700-04003         | 00000/0000 2-20037/1233                 | 12/22/76         | 10                  | 9753            | 18.4         | 149.3        | GFPG                  |                     |                      | 153                   | 31                   |
| 08734E                      | 4853N | 2432-04181         | 00000/0000 2-20022/0842                 | 03/29/76         | 10                  | 6016            | 38.2         | 142.0        | GGGG                  |                     |                      | 155                   | 26                   |
| 08734E                      | 3731N | 2699-03560         | 00000/0000 2-20037/1144                 | 12/21/76         | 20                  | 9739            | 21.6         | 147.6        | GGGG                  |                     |                      | 152                   | 34                   |
| 08733E                      | 5437N | 2452-04272         | 00000/0000 2-20024/0040                 | 04/18/76         | 10                  | 6295            | 41.9         | 145.6        | GGGG                  |                     |                      | 157                   | 22                   |
| 08733E                      | 4143N | 2682-04011         | 00000/0000 2-20036/1887                 | 12/04/76         | 30                  | 9502            | 20.4         | 150.8        | PPPF                  |                     |                      | 153                   | 31                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PAYH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08732E 4854N                            | 2720-04090        | 00000/0000                   | 2-20034/1249                | 01/11/77         | 0                   | 32              | 13.7         | 149.5        | GGGG                               |                     |                      | 155                   | 26                   |
| 08732E 3731N                            | 2717-03552        | 00000/0000                   | 2-20038/1045                | 01/08/77         | 40                  | 9990            | 21.6         | 145.0        | GGFF                               |                     |                      | 152                   | 34                   |
| 08732E 0419N                            | 2477-03331        | 00000/0000                   | 2-20025/0347                | 05/13/76         | 20                  | 6643            | 51.3         | 65.7         | GGGG                               |                     |                      | 146                   | 57                   |
| 08731E 5707N                            | 2507-04305        | 00000/0000                   | 2-20026/1372                | 06/12/76         | 0                   | 7042            | 51.7         | 142.0        | GGGG                               |                     |                      | 158                   | 20                   |
| 08731E 5707N                            | 2543-04295        | 00000/0000                   | 2-20024/1769                | 07/18/76         | 80                  | 7564            | 49.0         | 140.8        | GGGG                               |                     |                      | 158                   | 20                   |
| 08731E 5435N                            | 2470-04265        | 00000/0000                   | 2-20024/1419                | 05/06/76         | 80                  | 6546            | 47.4         | 143.6        | GGGG                               |                     |                      | 157                   | 22                   |
| 08731E 3726N                            | 2681-03564        | 00000/0000                   | 2-20037/0027                | 12/03/76         | 80                  | 9488            | 23.8         | 148.9        | GGGG                               |                     |                      | 152                   | 34                   |
| 08730E 4137N                            | 2664-04020        | 00000/0000                   | 2-20036/0769                | 11/16/76         | 0                   | 9251            | 24.2         | 150.7        | FGGG                               |                     |                      | 153                   | 31                   |
| 08729E 5706N                            | 2525-04302        | 00000/0000                   | 2-20028/0414                | 06/30/76         | 90                  | 7313            | 51.3         | 140.5        | GGGG                               |                     |                      | 158                   | 20                   |
| 08729E 4849N                            | 2684-04103        | 00000/0000                   | 2-20037/0311                | 12/06/76         | 10                  | 9530            | 14.5         | 153.8        | FGGF                               |                     |                      | 155                   | 26                   |
| 08729E 4144N                            | 2610-04035        | 00000/0000                   | 2-20032/1706                | 09/23/76         | 10                  | 8498            | 40.4         | 139.7        | GGGG                               |                     |                      | 153                   | 31                   |
| 08729E 3721N                            | 2663-03573        | 00000/0000                   | 2-20036/0663                | 11/15/76         | 60                  | 9237            | 27.7         | 148.5        | GGGG                               |                     |                      | 152                   | 34                   |
| 08728E 4137N                            | 2646-04024        | 00000/0000                   | 2-20035/0219                | 10/29/76         | 0                   | 9000            | 29.3         | 148.8        | GGGG                               |                     |                      | 153                   | 31                   |
| 08728E 2728N                            | 2445-03552        | 00000/0000                   | 2-20022/1774                | 04/11/76         | 10                  | 6197            | 52.7         | 114.8        | FGGG                               |                     |                      | 150                   | 41                   |
| 08728E 2724N                            | 2481-03542        | 00000/0000                   | 2-20025/0683                | 05/17/76         | 10                  | 6699            | 58.8         | 97.9         | GGGG                               |                     |                      | 150                   | 41                   |
| 08728E 1009N                            | 2442-03431        | 00000/0000                   | 2-20022/1707                | 04/08/76         | 10                  | 6155            | 53.2         | 91.5         | GGG                                |                     |                      | 147                   | 53                   |
| 08727E 5145N                            | 2721-04135        | 00000/0000                   | 2-20038/0961                | 01/12/77         | 70                  | 46              | 11.7         | 150.7        | GGGF                               |                     |                      | 156                   | 24                   |
| 08727E 4844N                            | 2540-04152        | 00000/0000                   | 2-20028/1454                | 07/15/76         | 50                  | 7522            | 53.8         | 128.0        | GGGG                               |                     |                      | 155                   | 24                   |
| 08727E 4842N                            | 2504-04161        | 00000/0000                   | 2-20026/1080                | 06/09/76         | 90                  | 7020            | 56.0         | 129.1        | GGGG                               |                     |                      | 155                   | 26                   |
| 08727E 0419N                            | 2405-03402        | 00000/0000                   | 2-20021/0643                | 03/02/76         | 20                  | 5639            | 48.0         | 105.7        | FFGF                               |                     |                      | 144                   | 57                   |
| 08726E 5142N                            | 2703-04144        | 00000/0000                   | 2-20038/0123                | 12/25/76         | 0                   | 9795            | 10.7         | 153.2        | FFFF                               |                     |                      | 156                   | 24                   |
| 08726E 2726N                            | 2697-03473        | 00000/0000                   | 2-20038/0294                | 12/19/76         | 0                   | 9711            | 29.0         | 143.1        | FGGG                               |                     |                      | 150                   | 41                   |
| 08726E 2143N                            | 2462-03505        | 00000/0000                   | 2-20024/0716                | 04/28/76         | 20                  | 6434            | 56.7         | 97.3         | GGGG                               |                     |                      | 149                   | 45                   |
| 08726E 0416N                            | 2369-03411        | 00000/0000                   | 2-20020/0303                | 01/26/76         | 80                  | 5137            | 44.0         | 121.7        | GGGG                               |                     |                      | 146                   | 57                   |
| 08725E 5433N                            | 2578-04240        | 00000/0000                   | 2-20030/1698                | 08/22/76         | 70                  | 8052            | 42.1         | 142.9        | GGG                                |                     |                      | 157                   | 22                   |
| 08725E 2727N                            | 2715-03465        | 00000/0000                   | 2-20038/0838                | 01/06/77         | 10                  | 9962            | 28.4         | 140.5        | GGGG                               |                     |                      | 150                   | 41                   |
| 08725E 2724N                            | 2679-03482        | 00000/0000                   | 2-20036/1708                | 12/01/76         | 10                  | 9460            | 31.5         | 144.0        | GGGG                               |                     |                      | 150                   | 41                   |
| 08725E 1557N                            | 2443-03471        | 00000/0000                   | 2-20022/1602                | 04/09/76         | 10                  | 6169            | 53.7         | 99.1         | GGGG                               |                     |                      | 148                   | 49                   |
| 08724E 1553N                            | 2479-03462        | 00000/0000                   | 2-20025/0439                | 05/15/76         | 70                  | 6671            | 56.5         | 79.7         | FGGG                               |                     |                      | 148                   | 49                   |
| 08724E 2724N                            | 2427-03555        | 00000/0000                   | 2-20022/0524                | 03/24/76         | 10                  | 5946            | 47.5         | 121.7        | GGGG                               |                     |                      | 150                   | 41                   |
| 08724E 1007N                            | 2424-03435        | 00000/0000                   | 2-20022/0363                | 03/21/76         | 30                  | 5904            | 50.6         | 102.1        | FFGG                               |                     |                      | 147                   | 53                   |
| 08723E 5431N                            | 2596-04233        | 00000/0000                   | 2-20032/1039                | 09/09/76         | 10                  | 8303            | 36.5         | 147.2        | FGGG                               |                     |                      | 157                   | 22                   |
| 08723E 5428N                            | 2560-04243        | 00000/0000                   | 2-20030/0788                | 08/04/76         | 90                  | 7801            | 47.0         | 139.1        | GGGG                               |                     |                      | 157                   | 22                   |
| 08723E 5425N                            | 2488-04263        | 00000/0000                   | 2-20025/1140                | 05/24/76         | 90                  | 6797            | 51.4         | 140.7        | GGGG                               |                     |                      | 157                   | 22                   |
| 08723E 5138N                            | 2635-04152        | 00000/0000                   | 2-20036/1805                | 12/07/76         | 10                  | 9544            | 12.2         | 155.0        | GGPG                               |                     |                      | 156                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 \* % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08723E 2722N                            | 2661-03490        | 00000/0000                   | 2-20036/0476                | 11/13/76         | 20                  | 9209            | 35.4         | 142.6        | GGGG                               |                     |                      | 150                   | 41                   |
| 08722E 5428N                            | 2614-04230        | 00000/0000                   | 2-20034/0062                | 09/27/76         | 100                 | 8554            | 30.3         | 151.2        | GGGG                               |                     |                      | 157                   | 22                   |
| 08722E 1556N                            | 2713-03384        | 00000/0000                   | 2-20038/1122                | 01/04/77         | 40                  | 9934            | 35.6         | 134.3        | GGGG                               |                     |                      | 148                   | 49                   |
| 08721E 2142N                            | 2696-03433        | 00000/0000                   | 2-20038/0063                | 12/18/76         | 40                  | 9697            | 33.0         | 140.2        | FGGG                               |                     |                      | 149                   | 45                   |
| 08721E 2142N                            | 2714-03424        | 00000/0000                   | 2-20038/0790                | 01/05/77         | 0                   | 9948            | 32.1         | 137.6        | FGGG                               |                     |                      | 149                   | 45                   |
| 08721E 1555N                            | 2425-03475        | 00000/0000                   | 2-20027/0395                | 03/22/76         | 60                  | 5918            | 50.1         | 108.8        | FGGG                               |                     |                      | 148                   | 49                   |
| 08721E 1553N                            | 2731-03380        | 00000/0000                   | 2-20039/0167                | 01/22/77         | 20                  | 185             | 36.2         | 130.1        | GGGF                               |                     |                      | 148                   | 49                   |
| 08721E 1006N                            | 2496-03442        | 00000/0000                   | 2-20021/1005                | 03/03/76         | 10                  | 5653            | 47.2         | 111.7        | GGGG                               |                     |                      | 147                   | 53                   |
| 08720E 2138N                            | 2426-03515        | 00000/0000                   | 2-20021/1811                | 03/23/76         | 10                  | 5932            | 49.1         | 115.4        | GFFF                               |                     |                      | 149                   | 45                   |
| 08720E 2137N                            | 2534-03490        | 00000/0000                   | 2-20028/0990                | 07/09/76         | 80                  | 7438            | 56.1         | 81.8         | FGGG                               |                     |                      | 149                   | 45                   |
| 08720E 2137N                            | 2552-03482        | 00000/0000                   | 2-20030/0258                | 07/27/76         | 80                  | 7689            | 55.2         | 87.2         | GFGF                               |                     |                      | 149                   | 45                   |
| 08720E 1004N                            | 2370-03451        | 00000/0000                   | 2-20020/0426                | 01/27/76         | 10                  | 5151            | 41.6         | 126.4        | FGGG                               |                     |                      | 147                   | 53                   |
| 08719E 5131N                            | 2667-04161        | 00000/0000                   | 2-20036/0975                | 11/19/76         | 40                  | 9293            | 15.7         | 155.6        | GGGG                               |                     |                      | 156                   | 24                   |
| 08719E 2140N                            | 2678-03441        | 00000/0000                   | 2-20036/1611                | 11/30/76         | 10                  | 9446            | 35.6         | 140.6        | PPFP                               |                     |                      | 149                   | 45                   |
| 08719E 2138N                            | 2660-03450        | 00000/0000                   | 2-20036/0351                | 11/12/76         | 20                  | 9195            | 39.4         | 138.6        | GGGG                               |                     |                      | 149                   | 45                   |
| 08719E 1554N                            | 2677-03401        | 00000/0000                   | 2-20036/1495                | 11/29/76         | 90                  | 9432            | 39.5         | 136.8        | GGG                                |                     |                      | 148                   | 49                   |
| 08718E 5422N                            | 2542-04250        | 00000/0000                   | 2-20028/1683                | 07/17/76         | 30                  | 7550            | 50.7         | 136.7        | GGGG                               |                     |                      | 157                   | 22                   |
| 08717E 5419N                            | 2506-04280        | 00000/0000                   | 2-20026/1675                | 06/11/76         | 70                  | 7048            | 53.3         | 137.8        | FGGG                               |                     |                      | 157                   | 22                   |
| 08717E 5416N                            | 2524-04253        | 00000/0000                   | 2-20028/0366                | 06/29/76         | 90                  | 7299            | 53.0         | 136.1        | GGGG                               |                     |                      | 157                   | 22                   |
| 08717E 4444N                            | 2449-04131        | 00000/0000                   | 2-20023/0193                | 04/15/76         | 40                  | 6253            | 46.9         | 135.1        | GGGG                               |                     |                      | 154                   | 29                   |
| 08716E 2132N                            | 2390-03530        | 00000/0000                   | 2-20020/1605                | 02/16/76         | 10                  | 5430            | 39.4         | 129.0        | GGGG                               |                     |                      | 149                   | 45                   |
| 08715E 4441N                            | 2467-04124        | 00000/0000                   | 2-20024/1244                | 05/03/76         | 70                  | 6504            | 52.2         | 131.0        | GGGG                               |                     |                      | 154                   | 29                   |
| 08714E 4440N                            | 2719-04043        | 00000/0000                   | 2-20038/1152                | 01/10/77         | 20                  | 18              | 16.7         | 147.8        | GGGG                               |                     |                      | 154                   | 29                   |
| 08713E 4438N                            | 2431-04134        | 00000/0000                   | 2-20027/0786                | 03/28/76         | 0                   | 6002            | 40.5         | 138.2        | G GG                               |                     |                      | 154                   | 29                   |
| 08713E 3146N                            | 2716-03511        | 00000/0000                   | 2-20038/0927                | 01/07/77         | 10                  | 9976            | 25.6         | 142.5        | GGGG                               |                     |                      | 151                   | 38                   |
| 08712E 5844N                            | 2472-04370        | 00000/0000                   | 2-20024/1820                | 05/08/76         | 40                  | 6574            | 45.2         | 148.7        | GGGG                               |                     |                      | 159                   | 19                   |
| 08712E 3144N                            | 2680-03524        | 00000/0000                   | 2-20036/1774                | 12/02/76         | 0                   | 9474            | 28.2         | 146.2        | GGGG                               |                     |                      | 151                   | 38                   |
| 08712E 3144N                            | 2698-03520        | 00000/0000                   | 2-20037/1193                | 12/20/76         | 10                  | 9725            | 25.9         | 145.1        | GGGG                               |                     |                      | 151                   | 38                   |
| 08711E 4440N                            | 2575-04094        | 00000/0000                   | 2-20036/1571                | 08/19/76         | 10                  | 8010            | 48.5         | 130.4        | GGGG                               |                     |                      | 154                   | 29                   |
| 08711E 4437N                            | 2593-04091        | 00000/0000                   | 2-20032/0831                | 09/06/76         | 20                  | 8261            | 43.7         | 136.6        | GGGG                               |                     |                      | 154                   | 29                   |
| 08711E 4431N                            | 2485-04121        | 00000/0000                   | 2-20025/0970                | 05/21/76         | 10                  | 6755            | 55.9         | 126.2        | GGGG                               |                     |                      | 154                   | 29                   |
| 08711E 3141N                            | 2662-03533        | 00000/0000                   | 2-20036/0565                | 11/14/76         | 10                  | 9223            | 32.1         | 145.3        | GGGG                               |                     |                      | 151                   | 38                   |
| 08710E 4434N                            | 2557-04102        | 00000/0000                   | 2-20030/0542                | 08/01/76         | 90                  | 7759            | 52.5         | 124.8        | GGGG                               |                     |                      | 154                   | 29                   |
| 08709E 4432N                            | 2683-04060        | 00000/0000                   | 2-20037/0111                | 12/05/76         | 10                  | 9516            | 18.0         | 152.0        | GGGG                               |                     |                      | 154                   | 29                   |
| 08708E 4429N                            | 2539-04105        | 00000/0000                   | 2-20028/1410                | 07/14/76         | 30                  | 7508            | 55.5         | 121.0        | GGGG                               |                     |                      | 154                   | 29                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, I=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PAYH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08708E 4428N                            | 2503-04115        | 00000/0000                   | 2-20026/0749                | 06/08/76         | 50                  | 7006            | 57.6         | 122.1        | GGGG                               |                     |                      | 154                   | 29                   |
| 08708E 4424N                            | 2665-04065        | 00000/0000                   | 2-20037/0214                | 11/17/76         | 80                  | 9265            | 21.8         | 152.1        | GGGG                               |                     |                      | 154                   | 29                   |
| 08708E 0843N                            | 2442-03434        | 00000/0000                   | 2-20022/1708                | 04/08/76         | 10                  | 6155            | 53.0         | 89.5         | GGGG                               |                     |                      | 147                   | 54                   |
| 08707E 5844N                            | 2580-04341        | 00000/0000                   | 2-20030/1784                | 08/24/76         | 10                  | 8080            | 38.8         | 148.2        | GGGG                               |                     |                      | 159                   | 19                   |
| 08707E 4426N                            | 2647-04073        | 00000/0000                   | 2-20035/0299                | 10/30/76         | 10                  | 9014            | 26.8         | 150.5        | FGGG                               |                     |                      | 154                   | 29                   |
| 08707E 4425N                            | 2413-04142        | 00000/0000                   | 2-20021/1409                | 03/10/76         | 10                  | 5751            | 33.7         | 140.8        | GGGG                               |                     |                      | 154                   | 29                   |
| 08707E 0841N                            | 2478-03424        | 00000/0000                   | 2-20025/0308                | 05/14/76         | 40                  | 6657            | 53.5         | 70.3         | GGGG                               |                     |                      | 147                   | 54                   |
| 08706E 4425N                            | 2521-04112        | 00000/0000                   | 2-20028/0074                | 06/26/76         | 10                  | 7257            | 57.3         | 120.0        | GGGG                               |                     |                      | 154                   | 29                   |
| 08706E 3605N                            | 2699-03562        | 00000/0000                   | 2-20037/1145                | 12/21/76         | 10                  | 9739            | 22.7         | 147.0        | FGFG                               |                     |                      | 152                   | 35                   |
| 08705E 4428N                            | 2629-04081        | 00000/0000                   | 2-20034/0663                | 10/12/76         | 0                   | 8763            | 32.5         | 147.2        | FGGG                               |                     |                      | 154                   | 29                   |
| 08705E 4023N                            | 2718-04001        | 00000/0000                   | 2-20038/0876                | 01/09/77         | 0                   | 4               | 19.7         | 146.0        | GGGG                               |                     |                      | 153                   | 32                   |
| 08705E 4021N                            | 2700-04005        | 00000/0000                   | 2-20037/1234                | 12/22/76         | 0                   | 9753            | 19.4         | 148.7        | FGGG                               |                     |                      | 153                   | 32                   |
| 08705E 3605N                            | 2717-03554        | 00000/0000                   | 2-20038/1046                | 01/08/77         | 60                  | 9990            | 22.6         | 144.3        | FGGG                               |                     |                      | 152                   | 35                   |
| 08705E 2602N                            | 2445-03554        | 00000/0000                   | 2-20022/1775                | 04/11/76         | 10                  | 6197            | 53.1         | 112.4        | GGGG                               |                     |                      | 150                   | 42                   |
| 08704E 3600N                            | 2681-03571        | 00000/0000                   | 2-20037/0028                | 12/03/76         | 40                  | 9488            | 24.9         | 148.2        | GGGG                               |                     |                      | 152                   | 35                   |
| 08704E 2559N                            | 2481-03545        | 00000/0000                   | 2-20025/0684                | 05/17/76         | 10                  | 6699            | 58.7         | 95.3         | GGGG                               |                     |                      | 150                   | 42                   |
| 08704E 2558N                            | 2535-03532        | 00000/0000                   | 2-20028/1059                | 07/10/76         | 90                  | 7452            | 57.2         | 88.8         | GGGG                               |                     |                      | 150                   | 42                   |
| 08704E 2016N                            | 2462-03511        | 00000/0000                   | 2-20024/0717                | 04/28/76         | 20                  | 6434            | 56.6         | 95.0         | GGFG                               |                     |                      | 149                   | 46                   |
| 08704E 1430N                            | 2443-03474        | 00000/0000                   | 2-20022/1603                | 04/09/76         | 10                  | 6149            | 53.7         | 97.0         | GGGG                               |                     |                      | 148                   | 50                   |
| 08704E 1427N                            | 2479-03464        | 00000/0000                   | 2-20025/0440                | 05/15/76         | 60                  | 6671            | 56.0         | 77.6         | GGGG                               |                     |                      | 148                   | 50                   |
| 08704E 0841N                            | 2424-03441        | 00000/0000                   | 2-20022/0364                | 03/21/76         | 30                  | 5904            | 50.6         | 100.3        | FGGG                               |                     |                      | 147                   | 54                   |
| 08703E 4018N                            | 2682-04014        | 00000/0000                   | 2-20036/1888                | 12/04/76         | 10                  | 9502            | 21.5         | 150.1        | PFPF                               |                     |                      | 153                   | 32                   |
| 08703E 2600N                            | 2697-03480        | 00000/0000                   | 2-20038/0295                | 12/19/76         | 0                   | 9711            | 30.0         | 142.4        | FGFG                               |                     |                      | 150                   | 42                   |
| 08703E 2558N                            | 2553-03525        | 00000/0000                   | 2-20030/0217                | 07/28/76         | 60                  | 7703            | 55.9         | 94.3         | GGGG                               |                     |                      | 150                   | 42                   |
| 08702E 3556N                            | 2663-03575        | 00000/0000                   | 2-20036/0664                | 11/15/76         | 40                  | 9237            | 28.8         | 147.7        | FGGG                               |                     |                      | 152                   | 35                   |
| 08702E 2601N                            | 2715-03471        | 00000/0000                   | 2-20038/0839                | 01/06/77         | 0                   | 9942            | 29.3         | 139.8        | FGGF                               |                     |                      | 150                   | 42                   |
| 08702E 2557N                            | 2679-03484        | 00000/0000                   | 2-20036/1709                | 12/01/76         | 0                   | 9460            | 32.5         | 143.2        | FFFF                               |                     |                      | 150                   | 42                   |
| 08701E 2558N                            | 2427-03562        | 00000/0000                   | 2-20022/0525                | 03/24/76         | 0                   | 5946            | 48.1         | 120.0        | FGGG                               |                     |                      | 150                   | 42                   |
| 08701E 1430N                            | 2713-03391        | 00000/0000                   | 2-20034/1123                | 01/04/77         | 30                  | 9934            | 36.4         | 133.4        | FGGG                               |                     |                      | 148                   | 50                   |
| 08701E 1428N                            | 2425-03481        | 00000/0000                   | 2-20022/0396                | 03/22/76         | 20                  | 5918            | 50.4         | 107.0        | FGGG                               |                     |                      | 148                   | 50                   |
| 08700E 5834N                            | 2544-04351        | 00000/0000                   | 2-20028/1880                | 07/19/76         | 80                  | 7578            | 48.0         | 142.9        | GGGG                               |                     |                      | 159                   | 19                   |
| 08700E 4733N                            | 2450-04180        | 00000/0000                   | 2-20023/0253                | 04/16/76         | 10                  | 6267            | 45.6         | 138.1        | GGGG                               |                     |                      | 155                   | 27                   |
| 08700E 2556N                            | 2661-03493        | 00000/0000                   | 2-20036/0477                | 11/13/76         | 0                   | 9209            | 36.4         | 141.7        | GGGG                               |                     |                      | 150                   | 42                   |
| 08700E 1430N                            | 2695-03395        | 00000/0000                   | 2-20038/0022                | 12/17/76         | 80                  | 9683            | 37.6         | 135.8        | FGGF                               |                     |                      | 148                   | 50                   |
| 08700E 1426N                            | 2731-03363        | 00000/0000                   | 2-20039/0168                | 01/22/77         | 20                  | 185             | 37.0         | 129.1        | GGGG                               |                     |                      | 148                   | 50                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL No./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08659E 5829N                            | 2526-04354        | 00000/0000                   | 2-20028/0418                | 07/01/76         | 80                  | 7327            | 50.4         | 142.6        | GGGG                               |                     |                      | 159                   | 19                   |
| 08659E 4730N                            | 2468-04173        | 00000/0000                   | 2-20024/1347                | 05/04/76         | 10                  | 6518            | 51.1         | 134.4        | FPFF                               |                     |                      | 155                   | 27                   |
| 08659E 4012N                            | 2664-04022        | 00000/0000                   | 2-20036/0770                | 11/16/76         | 10                  | 9251            | 25.3         | 150.0        | FGFG                               |                     |                      | 153                   | 32                   |
| 08659E 2016N                            | 2696-03435        | 00000/0000                   | 2-20038/0064                | 12/18/76         | 30                  | 9697            | 33.9         | 139.3        | FGGG                               |                     |                      | 149                   | 46                   |
| 08659E 2015N                            | 2714-03431        | 00000/0000                   | 2-20038/0791                | 01/05/77         | 10                  | 9948            | 33.0         | 136.8        | FGGG                               |                     |                      | 149                   | 46                   |
| 08659E 0837N                            | 2370-03454        | 00000/0000                   | 2-20020/0427                | 01/27/76         | 10                  | 5151            | 42.3         | 125.2        | FGGG                               |                     |                      | 147                   | 54                   |
| 08658E 5829N                            | 2508-04361        | 00000/0000                   | 2-20026/1398                | 06/13/76         | 10                  | 7076            | 50.9         | 144.0        | GGGG                               |                     |                      | 159                   | 19                   |
| 08658E 2555N                            | 2625-03505        | 00000/0000                   | 2-20034/0553                | 10/08/76         | 40                  | 8707            | 45.5         | 131.0        | GGGG                               |                     |                      | 150                   | 42                   |
| 08658E 2554N                            | 2373-03575        | 00000/0000                   | 2-20020/0603                | 01/30/76         | 90                  | 5193            | 33.5         | 136.9        | GGGF                               |                     |                      | 150                   | 42                   |
| 08658E 2010N                            | 2426-03522        | 00000/0000                   | 2-20021/1812                | 03/23/76         | 20                  | 5932            | 49.5         | 113.6        | GPF                                |                     |                      | 149                   | 46                   |
| 08658E 1428N                            | 2677-03404        | 00000/0000                   | 2-20036/1496                | 11/29/76         | 90                  | 9432            | 40.4         | 135.7        | GGGG                               |                     |                      | 148                   | 50                   |
| 08657E 4728N                            | 2432-04184        | 00000/0000                   | 2-20022/0843                | 03/29/76         | 10                  | 6016            | 39.1         | 140.7        | FGGG                               |                     |                      | 155                   | 27                   |
| 08657E 2551N                            | 2391-03572        | 00000/0000                   | 2-20020/1470                | 02/17/76         | 10                  | 5444            | 37.4         | 132.0        | GGGG                               |                     |                      | 150                   | 42                   |
| 08657E 2014N                            | 2678-03444        | 00000/0000                   | 2-20036/1612                | 11/30/76         | 10                  | 9446            | 36.6         | 139.7        | PPGP                               |                     |                      | 149                   | 46                   |
| 08657E 2012N                            | 2660-03452        | 00000/0000                   | 2-20036/0352                | 11/12/76         | 30                  | 9195            | 40.3         | 137.6        | GGGG                               |                     |                      | 149                   | 46                   |
| 08656E 2552N                            | 2643-03501        | 00000/0000                   | 2-20035/0178                | 10/26/76         | 20                  | 8958            | 40.9         | 137.6        | FGGG                               |                     |                      | 150                   | 42                   |
| 08655E 4730N                            | 2720-04093        | 00000/0000                   | 2-20038/1250                | 01/11/77         | 20                  | 32              | 14.7         | 148.9        | GGGG                               |                     |                      | 155                   | 27                   |
| 08655E 1422N                            | 2371-03494        | 00000/0000                   | 2-20020/0473                | 01/28/76         | 20                  | 5165            | 39.6         | 129.5        | GGGG                               |                     |                      | 148                   | 50                   |
| 08654E 2007N                            | 2390-03532        | 00000/0000                   | 2-20020/1606                | 02/16/76         | 10                  | 5430            | 40.1         | 127.9        | GGGG                               |                     |                      | 149                   | 46                   |
| 08652E 4724N                            | 2634-04105        | 00000/0000                   | 2-20037/0312                | 12/06/76         | 20                  | 9530            | 15.6         | 153.2        | PFPP                               |                     |                      | 155                   | 27                   |
| 08651E 5555N                            | 2471-04321        | 00000/0000                   | 2-20024/1719                | 05/07/76         | 90                  | 6560            | 46.8         | 145.1        | FGGG                               |                     |                      | 158                   | 21                   |
| 08651E 4720N                            | 2540-04154        | 00000/0000                   | 2-20028/1455                | 07/15/76         | 10                  | 7622            | 54.3         | 125.8        | GGGG                               |                     |                      | 155                   | 27                   |
| 08651E 4717N                            | 2504-04164        | 00000/0000                   | 2-20026/1081                | 06/09/76         | 20                  | 7020            | 56.6         | 126.7        | GGGG                               |                     |                      | 155                   | 27                   |
| 08650E 4725N                            | 2612-04134        | 00000/0000                   | 2-20032/1798                | 09/25/76         | 40                  | 8526            | 36.0         | 145.1        | GGGG                               |                     |                      | 155                   | 27                   |
| 08648E 4716N                            | 2648-04122        | 00000/0000                   | 2-20035/0405                | 10/31/76         | 100                 | 9028            | 24.3         | 152.3        | GGGG                               |                     |                      | 155                   | 27                   |
| 08648E 3020N                            | 2716-03514        | 00000/0000                   | 2-20038/0928                | 01/07/77         | 10                  | 9976            | 26.5         | 141.8        | GGGG                               |                     |                      | 151                   | 39                   |
| 08648E 0717N                            | 2442-03440        | 00000/0000                   | 2-20022/1709                | 04/05/76         | 10                  | 6155            | 52.7         | 87.6         | FGGG                               |                     |                      | 147                   | 55                   |
| 08647E 5559N                            | 2579-04291        | 00000/0000                   | 2-20032/0315                | 08/23/76         | 70                  | 8066            | 40.9         | 144.8        | GGGG                               |                     |                      | 158                   | 21                   |
| 08647E 5313N                            | 2452-04275        | 00000/0000                   | 2-20024/0041                | 04/18/76         | 20                  | 6295            | 42.8         | 144.1        | GGGG                               |                     |                      | 157                   | 23                   |
| 08647E 4714N                            | 2630-04130        | 00000/0000                   | 2-20034/0772                | 10/13/76         | 50                  | 8777            | 30.2         | 149.3        | GGGG                               |                     |                      | 155                   | 27                   |
| 08647E 3019N                            | 2680-03531        | 00000/0000                   | 2-20036/1775                | 12/02/76         | 0                   | 9474            | 29.2         | 145.5        | GGGG                               |                     |                      | 151                   | 39                   |
| 08647E 3018N                            | 2698-03522        | 00000/0000                   | 2-20037/1194                | 12/20/76         | 10                  | 9725            | 26.9         | 144.4        | GGGG                               |                     |                      | 151                   | 39                   |
| 08647E 3015N                            | 2662-03535        | 00000/0000                   | 2-20036/0566                | 11/14/76         | 10                  | 9223            | 33.2         | 144.5        | GGGG                               |                     |                      | 151                   | 39                   |
| 08646E 5311N                            | 2470-04272        | 00000/0000                   | 2-20024/1420                | 05/06/76         | 80                  | 6546            | 48.3         | 141.7        | GGGG                               |                     |                      | 157                   | 23                   |
| 08646E 5020N                            | 2721-04142        | 00000/0000                   | 2-20038/0962                | 01/12/77         | 10                  | 46              | 12.7         | 150.0        | GGGG                               |                     |                      | 154                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM  |              | ROLL No./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL |     | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|------------|--------------|-------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------|-----|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV        | MSS          |                               |                  |                     |                 |              |              | RBV        | MSS |                     |                      |                       |                      |
| 08646E                      | 5018N | 2703-04150        | 00000/0000 | 2-20038/0124 | 12/25/76                      | 0                | 9795                | 11.8            | 152.5        | FFFF         |            |     |                     | 156                  | 25                    |                      |
| 08644E                      | 5552N | 2561-04295        | 00000/0000 | 2-20030/0890 | 08/05/76                      | 60               | 7815                | 45.9            | 141.2        | GGGG         |            |     |                     | 158                  | 21                    |                      |
| 08644E                      | 5310N | 2722-04191        | 00000/0000 | 2-20038/1312 | 01/17/77                      | 10               | 60                  | 10.8            | 151.2        | GG G         |            |     |                     | 157                  | 23                    |                      |
| 08644E                      | 4319N | 2449-04133        | 00000/0000 | 2-20023/0194 | 04/15/76                      | 30               | 6253                | 47.6            | 133.4        | GFFG         |            |     |                     | 156                  | 30                    |                      |
| 08644E                      | 1306N | 2461-03473        | 00000/0000 | 2-20024/0184 | 04/27/76                      | 10               | 6420                | 55.3            | 84.5         | GGGG         |            |     |                     | 148                  | 51                    |                      |
| 08643E                      | 5306N | 2704-04195        | 00000/0000 | 2-20038/0162 | 12/26/76                      | 0                | 9809                | 9.6             | 153.7        | FFGG         |            |     |                     | 157                  | 23                    |                      |
| 08643E                      | 4316N | 2467-04130        | 00000/0000 | 2-20024/1245 | 05/03/76                      | 30               | 6504                | 52.9            | 129.0        | GGGG         |            |     |                     | 154                  | 30                    |                      |
| 08642E                      | 4315N | 2719-04050        | 00000/0000 | 2-20038/1153 | 01/10/77                      | 40               | 18                  | 17.7            | 147.1        | GGGG         |            |     |                     | 154                  | 30                    |                      |
| 08642E                      | 1850N | 2462-03514        | 00000/0000 | 2-20024/0718 | 04/28/76                      | 30               | 6434                | 56.4            | 92.7         | GGFG         |            |     |                     | 149                  | 47                    |                      |
| 08641E                      | 5544N | 2507-04312        | 00000/0000 | 2-20026/1373 | 06/12/76                      | 0                | 7062                | 52.5            | 139.9        | GGGG         |            |     |                     | 158                  | 21                    |                      |
| 08641E                      | 5544N | 2543-04302        | 00000/0000 | 2-20028/1770 | 07/18/76                      | 90               | 7564                | 49.8            | 138.8        | FGGG         |            |     |                     | 158                  | 21                    |                      |
| 08641E                      | 4311N | 2431-04141        | 00000/0000 | 2-20022/0787 | 03/28/76                      | 10               | 6002                | 41.3            | 136.8        | GGGG         |            |     |                     | 154                  | 30                    |                      |
| 08641E                      | 0713N | 2406-03451        | 00000/0000 | 2-20021/1006 | 03/03/76                      | 10               | 5633                | 47.8            | 108.5        | FFFG         |            |     |                     | 147                  | 55                    |                      |
| 08640E                      | 5309N | 2578-04242        | 00000/0000 | 2-20030/1699 | 08/22/76                      | 50               | 8052                | 43.0            | 141.3        | GGGG         |            |     |                     | 157                  | 23                    |                      |
| 08640E                      | 2433N | 2697-03482        | 00000/0000 | 2-20038/0296 | 12/19/76                      | 0                | 9711                | 31.0            | 141.6        | GGGG         |            |     |                     | 150                  | 43                    |                      |
| 08640E                      | 2432N | 2553-03532        | 00000/0000 | 2-20030/0218 | 07/28/76                      | 80               | 7703                | 55.7            | 92.0         | GGGG         |            |     |                     | 150                  | 43                    |                      |
| 08640E                      | 2431N | 2679-03491        | 00000/0000 | 2-20036/1710 | 12/01/76                      | 0                | 9460                | 33.5            | 142.4        | FFGG         |            |     |                     | 150                  | 43                    |                      |
| 08640E                      | 1302N | 2425-03484        | 00000/0000 | 2-20022/0397 | 03/22/76                      | 10               | 5918                | 50.5            | 105.2        | FFGG         |            |     |                     | 148                  | 51                    |                      |
| 08639E                      | 5542N | 2525-04305        | 00000/0000 | 2-20028/0415 | 06/30/76                      | 60               | 7313                | 52.1            | 138.3        | GGGG         |            |     |                     | 158                  | 21                    |                      |
| 08639E                      | 5303N | 2560-04245        | 00000/0000 | 2-20030/0789 | 08/04/76                      | 60               | 7801                | 47.8            | 137.3        | GGGG         |            |     |                     | 157                  | 23                    |                      |
| 08639E                      | 5007N | 2667-04163        | 00000/0000 | 2-20036/0976 | 11/19/76                      | 30               | 9293                | 16.8            | 154.9        | GGGG         |            |     |                     | 156                  | 25                    |                      |
| 08639E                      | 4314N | 2575-04101        | 00000/0000 | 2-20030/1572 | 08/19/76                      | 10               | 8010                | 49.1            | 128.7        | GGGG         |            |     |                     | 154                  | 30                    |                      |
| 08639E                      | 4312N | 2593-04094        | 00000/0000 | 2-20032/0832 | 09/06/76                      | 0                | 8261                | 44.5            | 135.1        | GGGG         |            |     |                     | 154                  | 30                    |                      |
| 08639E                      | 4306N | 2485-04124        | 00000/0000 | 2-20025/0971 | 05/21/76                      | 10               | 6755                | 56.5            | 123.9        | GGGG         |            |     |                     | 154                  | 30                    |                      |
| 08639E                      | 3439N | 2699-03565        | 00000/0000 | 2-20037/1146 | 12/21/76                      | 20               | 9739                | 23.7            | 146.3        | GGGG         |            |     |                     | 152                  | 36                    |                      |
| 08639E                      | 2434N | 2715-03474        | 00000/0000 | 2-20038/0840 | 01/06/77                      | 0                | 9962                | 30.3            | 139.0        | GGGG         |            |     |                     | 150                  | 43                    |                      |
| 08639E                      | 2432N | 2427-03564        | 00000/0000 | 2-20022/0526 | 03/24/76                      | 10               | 5946                | 48.5            | 118.4        | GGGG         |            |     |                     | 150                  | 43                    |                      |
| 08639E                      | 0709N | 2370-03460        | 00000/0000 | 2-20020/0428 | 01/27/76                      | 10               | 5151                | 42.9            | 123.9        | FGGG         |            |     |                     | 147                  | 55                    |                      |
| 08638E                      | 5306N | 2596-04235        | 00000/0000 | 2-20032/1040 | 09/09/76                      | 0                | 8303                | 37.5            | 145.8        | FGGG         |            |     |                     | 157                  | 23                    |                      |
| 08638E                      | 5302N | 2636-04204        | 00000/0000 | 2-20037/0424 | 12/08/76                      | 50               | 9558                | 10.9            | 155.6        | PPFG         |            |     |                     | 157                  | 23                    |                      |
| 08638E                      | 4309N | 2557-04104        | 00000/0000 | 2-20030/0543 | 08/01/76                      | 90               | 7759                | 53.0            | 122.7        | GGGF         |            |     |                     | 154                  | 30                    |                      |
| 08638E                      | 3439N | 2717-03561        | 00000/0000 | 2-20038/1047 | 01/08/77                      | 20               | 9990                | 23.6            | 143.7        | GGGG         |            |     |                     | 152                  | 36                    |                      |
| 08638E                      | 1849N | 2696-03442        | 00000/0000 | 2-20038/0065 | 12/18/76                      | 70               | 9697                | 34.8            | 138.5        | FGGG         |            |     |                     | 149                  | 47                    |                      |
| 08638E                      | 1848N | 2714-03433        | 00000/0000 | 2-20038/0792 | 01/05/77                      | 10               | 9948                | 33.9            | 135.9        | FGGF         |            |     |                     | 149                  | 47                    |                      |
| 08637E                      | 5303N | 2614-04232        | 00000/0000 | 2-20034/0063 | 09/27/76                      | 90               | 8554                | 31.4            | 150.1        | GGGG         |            |     |                     | 157                  | 23                    |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION |              | ROLL NO./<br>IN RLI | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|--------------|---------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                   | MSS          |                     |                  |                     |                 |              |              |                       |                     |                      |                       |                      |
| 08637E                      | 4306N | 2683-04067        | 00000/0000            | 2-20037/0112 | 12/05/76            | 10               | 9516                | 19.1            | 151.3        | GGGG         |                       |                     |                      | 154                   | 30                   |
| 08637E                      | 3435N | 2681-03573        | 00000/0000            | 2-20037/0029 | 12/03/76            | 20               | 9488                | 25.9            | 147.6        | GGGG         |                       |                     |                      | 152                   | 36                   |
| 08637E                      | 2430N | 2661-03495        | 00000/0000            | 2-20036/0478 | 11/13/76            | 0                | 9209                | 37.3            | 140.8        | GGGG         |                       |                     |                      | 150                   | 43                   |
| 08637E                      | 1844N | 2426-03524        | 00000/0000            | 2-20021/1813 | 03/23/76            | 10               | 5932                | 49.8            | 111.9        | GGFF         |                       |                     |                      | 149                   | 47                   |
| 08636E                      | 4304N | 2539-04111        | 00000/0000            | 2-20028/1411 | 07/14/76            | 20               | 7508                | 55.9            | 118.7        | GGGG         |                       |                     |                      | 154                   | 30                   |
| 08636E                      | 4303N | 2503-04121        | 00000/0000            | 2-20026/0750 | 06/08/76            | 10               | 7006                | 58.0            | 119.6        | GGGG         |                       |                     |                      | 154                   | 30                   |
| 08636E                      | 4259N | 2665-04071        | 00000/0000            | 2-20037/0215 | 11/17/76            | 10               | 9265                | 22.9            | 151.4        | GGGG         |                       |                     |                      | 154                   | 30                   |
| 08636E                      | 2430N | 2409-03572        | 00000/0000            | 2-20021/1159 | 03/06/76            | 10               | 5695                | 43.2            | 125.2        | FGGG         |                       |                     |                      | 150                   | 43                   |
| 08636E                      | 2429N | 2625-03511        | 00000/0000            | 2-20034/0554 | 10/08/76            | 30               | 8707                | 46.2            | 129.6        | GGGG         |                       |                     |                      | 150                   | 43                   |
| 08635E                      | 4300N | 2413-04144        | 00000/0000            | 2-20021/1410 | 03/10/76            | 0                | 5751                | 34.6            | 139.7        | FGGG         |                       |                     |                      | 154                   | 30                   |
| 08635E                      | 3856N | 2700-04012        | 00000/0000            | 2-20037/1235 | 12/22/76            | 30               | 9753                | 20.5            | 148.1        | GGGF         |                       |                     |                      | 153                   | 33                   |
| 08635E                      | 3856N | 2718-04003        | 00000/0000            | 2-20038/0877 | 01/09/77            | 30               | 4                   | 20.7            | 145.4        | FGGG         |                       |                     |                      | 153                   | 33                   |
| 08635E                      | 3431N | 2663-03532        | 00000/0000            | 2-20036/0665 | 11/15/76            | 10               | 9237                | 29.8            | 147.0        | GGGG         |                       |                     |                      | 152                   | 36                   |
| 08635E                      | 2427N | 2373-03581        | 00000/0000            | 2-20020/0604 | 01/30/76            | 90               | 5193                | 34.3            | 136.0        | GGGF         |                       |                     |                      | 150                   | 43                   |
| 08635E                      | 1846N | 2678-03450        | 00000/0000            | 2-20036/1613 | 11/30/76            | 10               | 9446                | 37.5            | 138.8        | PPGP         |                       |                     |                      | 149                   | 47                   |
| 08635E                      | 1845N | 2660-03455        | 00000/0000            | 2-20036/0353 | 11/12/76            | 30               | 9195                | 41.2            | 136.5        | GGGF         |                       |                     |                      | 149                   | 47                   |
| 08634E                      | 5259N | 2542-04253        | 00000/0000            | 2-20028/1684 | 07/17/76            | 60               | 7550                | 51.5            | 134.6        | GGGG         |                       |                     |                      | 157                   | 23                   |
| 08634E                      | 5256N | 2668-04212        | 00000/0000            | 2-20036/1013 | 11/20/76            | 100              | 9307                | 14.3            | 156.4        | FFFF         |                       |                     |                      | 157                   | 23                   |
| 08634E                      | 4302N | 2647-04080        | 00000/0000            | 2-20033/0300 | 10/30/76            | 0                | 9014                | 27.9            | 149.7        | GGGG         |                       |                     |                      | 154                   | 30                   |
| 08634E                      | 4259N | 2521-04114        | 00000/0000            | 2-20028/0075 | 06/26/76            | 10               | 7257                | 57.7            | 117.5        | GGGG         |                       |                     |                      | 154                   | 30                   |
| 08634E                      | 2426N | 2391-03575        | 00000/0000            | 2-20020/1471 | 02/17/76            | 10               | 5444                | 38.2            | 130.9        | GGGG         |                       |                     |                      | 150                   | 43                   |
| 08633E                      | 5254N | 2506-04263        | 00000/0000            | 2-20026/1676 | 06/11/76            | 90               | 7048                | 54.0            | 135.6        | FGGG         |                       |                     |                      | 157                   | 23                   |
| 08633E                      | 5252N | 2524-04260        | 00000/0000            | 2-20028/0367 | 06/29/76            | 90               | 7299                | 53.7            | 133.9        | FGGG         |                       |                     |                      | 157                   | 23                   |
| 08633E                      | 4303N | 2629-04053        | 00000/0000            | 2-20034/0664 | 10/12/76            | 0                | 8763                | 33.5            | 146.2        | GGGG         |                       |                     |                      | 154                   | 30                   |
| 08633E                      | 3852N | 2682-04020        | 00000/0000            | 2-20036/1889 | 12/04/76            | 40               | 9502                | 22.6            | 149.5        | PPPF         |                       |                     |                      | 153                   | 33                   |
| 08633E                      | 1841N | 2390-03535        | 00000/0000            | 2-20020/1607 | 02/16/76            | 10               | 5430                | 40.8            | 126.7        | GGGG         |                       |                     |                      | 149                   | 47                   |
| 08630E                      | 3847N | 2664-04025        | 00000/0000            | 2-20036/0771 | 11/16/76            | 10               | 9251                | 26.4            | 149.3        | FGGG         |                       |                     |                      | 153                   | 33                   |
| 08628E                      | 0549N | 2442-03443        | 00000/0000            | 2-20022/1710 | 04/08/76            | 50               | 6155                | 52.4            | 85.7         | GGGG         |                       |                     |                      | 147                   | 56                   |
| 08625E                      | 4607N | 2450-04183        | 00000/0000            | 2-20023/0254 | 04/16/76            | 10               | 6267                | 46.4            | 136.5        | GGGG         |                       |                     |                      | 155                   | 28                   |
| 08624E                      | 1139N | 2461-03440        | 00000/0000            | 2-20024/0185 | 04/27/76            | 20               | 6420                | 54.9            | 82.4         | FQGF         |                       |                     |                      | 148                   | 52                   |
| 08624E                      | 0548N | 2424-03450        | 00000/0000            | 2-20022/0365 | 03/21/76            | 20               | 5904                | 50.6            | 96.7         | FFGF         |                       |                     |                      | 147                   | 56                   |
| 08623E                      | 4605N | 2468-04180        | 00000/0000            | 2-20024/1348 | 05/04/76            | 40               | 6518                | 51.8            | 132.7        | GGGG         |                       |                     |                      | 155                   | 28                   |
| 08623E                      | 2853N | 2680-03533        | 00000/0000            | 2-20036/1776 | 12/02/76            | 0                | 9474                | 30.3            | 144.7        | GGGG         |                       |                     |                      | 151                   | 40                   |
| 08623E                      | 2853N | 2716-03520        | 00000/0000            | 2-20038/0929 | 01/07/77            | 0                | 9976                | 27.5            | 141.1        | GGGG         |                       |                     |                      | 151                   | 40                   |
| 08623E                      | 2852N | 2698-03525        | 00000/0000            | 2-20037/1195 | 12/20/76            | 0                | 9725                | 27.9            | 143.7        | GGGG         |                       |                     |                      | 151                   | 40                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0871

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08622E                                  | 2848N             | 2662-03542                   | 00000/0000                 | 2-20036/0567     | 11/14/76            | 0               | 9223         | 34.2         | 143.6                              | GGGG                |                      | 151                   | 40                   |
| 08621E                                  | 4603N             | 2432-04190                   | 00000/0000                 | 2-20022/0844     | 03/29/76            | 0               | 6016         | 40.0         | 139.4                              | GFGG                |                      | 155                   | 28                   |
| 08621E                                  | 4602N             | 2702-04103                   | 00000/0000                 | 2-20038/0481     | 12/24/76            | 0               | 9781         | 15.1         | 150.8                              | GFGG                |                      | 155                   | 28                   |
| 08621E                                  | 0547N             | 2406-03454                   | 00000/0000                 | 2-20021/1007     | 03/03/76            | 10              | 5653         | 48.0         | 106.8                              | GGGG                |                      | 147                   | 56                   |
| 08620E                                  | 4605N             | 2720-04095                   | 00000/0000                 | 2-20038/1251     | 01/11/77            | 40              | 32           | 15.7         | 148.2                              | FFGG                |                      | 155                   | 28                   |
| 08620E                                  | 1724N             | 2462-03520                   | 00000/0000                 | 2-20024/0719     | 04/28/76            | 30              | 6434         | 56.2         | 90.4                               | GGGG                |                      | 149                   | 48                   |
| 08619E                                  | 1135N             | 2425-03490                   | 00000/0000                 | 2-20022/0398     | 03/22/76            | 10              | 5918         | 50.7         | 103.4                              | FFGG                |                      | 148                   | 52                   |
| 08619E                                  | 0543N             | 2370-03463                   | 00000/0000                 | 2-20020/0429     | 01/27/76            | 20              | 5151         | 43.5         | 122.6                              | GGGG                |                      | 147                   | 56                   |
| 08618E                                  | 2307N             | 2697-03485                   | 00000/0000                 | 2-20038/0297     | 12/19/76            | 0               | 9711         | 31.9         | 140.9                              | FGGG                |                      | 150                   | 44                   |
| 08617E                                  | 5721N             | 2472-04373                   | 00000/0000                 | 2-20024/1821     | 05/08/76            | 10              | 6574         | 46.2         | 146.9                              | FGGG                |                      | 159                   | 20                   |
| 08617E                                  | 4559N             | 2684-04112                   | 00000/0000                 | 2-20037/0313     | 12/06/76            | 30              | 9530         | 16.7         | 152.5                              | FFPP                |                      | 155                   | 28                   |
| 08617E                                  | 4553N             | 2504-04170                   | 00000/0000                 | 2-20026/1082     | 06/09/76            | 10              | 7020         | 57.1         | 124.3                              | GGGG                |                      | 155                   | 28                   |
| 08617E                                  | 2308N             | 2715-03430                   | 00000/0000                 | 2-20038/0841     | 01/06/77            | 0               | 9962         | 31.2         | 138.2                              | FGGF                |                      | 150                   | 44                   |
| 08617E                                  | 2305N             | 2679-03493                   | 00000/0000                 | 2-20036/1711     | 12/01/76            | 0               | 9460         | 34.5         | 141.5                              | FFGG                |                      | 150                   | 44                   |
| 08616E                                  | 4555N             | 2540-04151                   | 00000/0000                 | 2-20028/1456     | 07/15/76            | 10              | 7522         | 54.9         | 123.5                              | GGGG                |                      | 153                   | 28                   |
| 08616E                                  | 2305N             | 2427-03571                   | 00000/0000                 | 2-20022/0527     | 03/24/76            | 10              | 5946         | 49.0         | 116.7                              | GGGG                |                      | 150                   | 44                   |
| 08616E                                  | 1722N             | 2696-03444                   | 00000/0000                 | 2-20038/0066     | 12/18/76            | 50              | 9697         | 35.8         | 137.6                              | GFGF                |                      | 149                   | 48                   |
| 08616E                                  | 1722N             | 2714-03440                   | 00000/0000                 | 2-20038/0793     | 01/05/77            | 10              | 9948         | 34.7         | 135.0                              | FGGG                |                      | 149                   | 48                   |
| 08616E                                  | 1718N             | 2426-03531                   | 00000/0000                 | 2-20021/1814     | 03/23/76            | 10              | 5932         | 50.1         | 110.1                              | GGFF                |                      | 149                   | 48                   |
| 08615E                                  | 4600N             | 2612-04140                   | 00000/0000                 | 2-20037/1799     | 09/25/76            | 50              | 8526         | 37.0         | 143.9                              | GGGG                |                      | 155                   | 28                   |
| 08614E                                  | 4551N             | 2522-04164                   | 00000/0000                 | 2-20028/0152     | 06/27/76            | 10              | 7271         | 56.8         | 122.4                              | GGGG                |                      | 155                   | 28                   |
| 08614E                                  | 2304N             | 2409-03574                   | 00000/0000                 | 2-20021/1160     | 03/06/76            | 0               | 5695         | 43.8         | 123.8                              | FGGG                |                      | 150                   | 44                   |
| 08614E                                  | 2304N             | 2661-03502                   | 00000/0000                 | 2-20036/0479     | 11/13/76            | 0               | 9209         | 38.3         | 139.8                              | GGGG                |                      | 150                   | 44                   |
| 08614E                                  | 2302N             | 2625-03514                   | 00000/0000                 | 2-20034/0555     | 10/08/76            | 10              | 8707         | 46.9         | 128.1                              | GGGG                |                      | 150                   | 44                   |
| 08614E                                  | 1719N             | 2660-03461                   | 00000/0000                 | 2-20036/0354     | 11/12/76            | 30              | 9195         | 42.1         | 135.4                              | GGGF                |                      | 149                   | 48                   |
| 08614E                                  | 1719N             | 2678-03453                   | 00000/0000                 | 2-20036/1614     | 11/30/76            | 40              | 9446         | 38.4         | 137.8                              | GFGF                |                      | 149                   | 48                   |
| 08613E                                  | 4551N             | 2648-04125                   | 00000/0000                 | 2-20035/0406     | 10/31/76            | 100             | 9028         | 25.4         | 151.5                              | GGGG                |                      | 155                   | 28                   |
| 08613E                                  | 4152N             | 2449-04140                   | 00000/0000                 | 2-20023/0195     | 04/15/76            | 20              | 6253         | 48.4         | 131.7                              | FFFG                |                      | 154                   | 31                   |
| 08613E                                  | 3313N             | 2699-03571                   | 00000/0000                 | 2-20037/1147     | 12/21/76            | 20              | 9739         | 24.7         | 145.7                              | FGGG                |                      | 152                   | 37                   |
| 08613E                                  | 1715N             | 2390-03541                   | 00000/0000                 | 2-20020/1608     | 02/16/76            | 20              | 5430         | 41.5         | 125.5                              | GGGG                |                      | 149                   | 48                   |
| 08612E                                  | 5721N             | 2580-04343                   | 00000/0000                 | 2-20030/1785     | 08/24/76            | 10              | 8080         | 39.7         | 146.6                              | GGGG                |                      | 159                   | 20                   |
| 08612E                                  | 4550N             | 2630-04133                   | 00000/0000                 | 2-20034/0773     | 10/13/76            | 10              | 8777         | 31.2         | 148.4                              | GGGG                |                      | 155                   | 28                   |
| 08612E                                  | 4151N             | 2467-04133                   | 00000/0000                 | 2-20024/1246     | 05/03/76            | 30              | 6504         | 53.5         | 127.0                              | GGGG                |                      | 154                   | 31                   |
| 08612E                                  | 3313N             | 2717-03563                   | 00000/0000                 | 2-20038/1048     | 01/08/77            | 10              | 9990         | 24.6         | 143.0                              | FGGG                |                      | 152                   | 37                   |
| 08612E                                  | 2301N             | 2373-03584                   | 00000/0000                 | 2-20020/0605     | 01/30/76            | 90              | 5193         | 35.2         | 135.1                              | GGGG                |                      | 150                   | 44                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0872

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 08612E                      | 2300N             | 2391-03581            | 00000/0000           | 2-20020/1472     | 02/17/76            | 10              | 5444         | 39.0         | 129.8                 | GGFG                |                      | 150                   | 44                   |
| 08611E                      | 3310N             | 2681-03580            | 00000/0000           | 2-20037/0030     | 12/03/76            | 10              | 9488         | 27.0         | 146.9                 | GGGG                |                      | 152                   | 37                   |
| 08611E                      | 2301N             | 2643-03510            | 00000/0000           | 2-20035/0179     | 10/26/76            | 10              | 8958         | 42.7         | 135.3                 | GGGG                |                      | 150                   | 44                   |
| 08610E                      | 4149N             | 2719-04052            | 00000/0000           | 2-20038/1154     | 01/10/77            | 70              | 18           | 18.7         | 146.5                 | GGGG                |                      | 154                   | 31                   |
| 08610E                      | 4145N             | 2431-04143            | 00000/0000           | 2-20022/0788     | 03/28/76            | 40              | 6002         | 42.1         | 135.5                 | GGGG                |                      | 154                   | 31                   |
| 08610E                      | 3305N             | 2663-03584            | 00000/0000           | 2-20036/0666     | 11/15/76            | 0               | 9237         | 30.9         | 146.2                 | GGGG                |                      | 152                   | 37                   |
| 08607E                      | 4855N             | 2721-04144            | 00000/0000           | 2-20038/0963     | 01/12/77            | 30              | 46           | 13.8         | 149.3                 | FGGG                |                      | 154                   | 26                   |
| 08607E                      | 4852N             | 2703-04153            | 00000/0000           | 2-20038/0125     | 12/25/76            | 0               | 9795         | 12.9         | 151.9                 | FGGF                |                      | 154                   | 26                   |
| 08607E                      | 3731N             | 2718-04010            | 00000/0000           | 2-20038/0878     | 01/09/77            | 80              | 4            | 21.7         | 144.8                 | GGGG                |                      | 153                   | 34                   |
| 08607E                      | 3730N             | 2700-04014            | 00000/0000           | 2-20037/1236     | 12/22/76            | 50              | 9753         | 21.6         | 147.5                 | GGGG                |                      | 153                   | 34                   |
| 08607E                      | 0423N             | 2442-03445            | 00000/0000           | 2-20022/1711     | 04/08/76            | 40              | 6155         | 52.0         | 83.9                  | GGGG                |                      | 147                   | 57                   |
| 08606E                      | 5710N             | 2544-04354            | 00000/0000           | 2-20028/1881     | 07/19/76            | 60              | 7578         | 48.8         | 140.9                 | GGGG                |                      | 159                   | 20                   |
| 08606E                      | 4141N             | 2683-04065            | 00000/0000           | 2-20037/0113     | 12/05/76            | 0               | 9516         | 20.2         | 150.7                 | GGGG                |                      | 154                   | 31                   |
| 08605E                      | 5707N             | 2526-04361            | 00000/0000           | 2-20028/0419     | 07/01/76            | 40              | 7327         | 51.2         | 140.5                 | GGGG                |                      | 159                   | 20                   |
| 08605E                      | 3726N             | 2682-04023            | 00000/0000           | 2-20036/1890     | 12/04/76            | 40              | 9502         | 23.6         | 148.9                 | PPFP                |                      | 153                   | 34                   |
| 08604E                      | 5706N             | 2508-04364            | 00000/0000           | 2-20026/1399     | 06/13/76            | 60              | 7076         | 51.7         | 141.9                 | GGGF                |                      | 159                   | 20                   |
| 08604E                      | 5148N             | 2452-04281            | 00000/0000           | 2-20024/0042     | 04/18/76            | 40              | 6295         | 43.7         | 142.5                 | GGGF                |                      | 157                   | 24                   |
| 08604E                      | 4849N             | 2685-04161            | 00000/0000           | 2-20036/1806     | 12/07/76            | 0               | 9544         | 14.4         | 153.7                 | GGFG                |                      | 156                   | 26                   |
| 08604E                      | 4135N             | 2413-04151            | 00000/0000           | 2-20021/1411     | 03/10/76            | 40              | 5751         | 35.5         | 138.6                 | GGGG                |                      | 154                   | 31                   |
| 08604E                      | 4134N             | 2665-04074            | 00000/0000           | 2-20037/0216     | 11/17/76            | 10              | 9265         | 24.0         | 150.7                 | FGGG                |                      | 154                   | 31                   |
| 08604E                      | 0421N             | 2424-03453            | 00000/0000           | 2-20022/0366     | 03/21/76            | 50              | 5904         | 50.5         | 94.9                  | GFFG                |                      | 147                   | 57                   |
| 08603E                      | 5434N             | 2723-04243            | 00000/0000           | 2-20038/1380     | 01/14/77            | 40              | 74           | 9.8          | 151.8                 | GGGG                |                      | 158                   | 22                   |
| 08603E                      | 5431N             | 2471-04324            | 00000/0000           | 2-20024/1720     | 05/07/76            | 70              | 6560         | 47.7         | 143.0                 | GGFG                |                      | 158                   | 22                   |
| 08603E                      | 5146N             | 2470-04274            | 00000/0000           | 2-20024/1421     | 05/06/76            | 90              | 6546         | 49.2         | 139.9                 | GGGG                |                      | 157                   | 24                   |
| 08603E                      | 4137N             | 2647-04082            | 00000/0000           | 2-20035/0301     | 10/30/76            | 0               | 9014         | 29.0         | 148.9                 | GGGG                |                      | 154                   | 31                   |
| 08603E                      | 1013N             | 2461-03482            | 00000/0000           | 2-20024/0186     | 04/27/76            | 30              | 6420         | 54.4         | 80.4                  | GGGG                |                      | 148                   | 53                   |
| 08602E                      | 4137N             | 2629-04090            | 00000/0000           | 2-20034/0665     | 10/12/76            | 0               | 8763         | 34.5         | 145.3                 | GGGG                |                      | 154                   | 31                   |
| 08602E                      | 3721N             | 2664-04031            | 00000/0000           | 2-20036/0772     | 11/16/76            | 0               | 9251         | 27.5         | 148.5                 | FGGF                |                      | 153                   | 34                   |
| 08601E                      | 0420N             | 2406-03460            | 00000/0000           | 2-20021/1008     | 03/03/76            | 10              | 5653         | 48.2         | 105.2                 | GGGG                |                      | 147                   | 57                   |
| 08600E                      | 5145N             | 2722-04194            | 00000/0000           | 2-20038/1313     | 01/13/77            | 10              | 60           | 11.8         | 150.5                 | GG G                |                      | 157                   | 24                   |
| 08600E                      | 5141N             | 2704-04202            | 00000/0000           | 2-20038/0163     | 12/26/76            | 0               | 9809         | 10.7         | 153.1                 | FFGG                |                      | 157                   | 24                   |
| 08600E                      | 4843N             | 2667-04170            | 00000/0000           | 2-20036/0977     | 11/19/76            | 10              | 9293         | 17.9         | 154.2                 | GGGG                |                      | 156                   | 26                   |
| 08559E                      | 5435N             | 2579-04294            | 00000/0000           | 2-20032/0316     | 08/23/76            | 40              | 8066         | 41.8         | 143.2                 | GGGF                |                      | 158                   | 22                   |
| 08559E                      | 2727N             | 2680-03540            | 00000/0000           | 2-20036/1777     | 12/02/76            | 10              | 9474         | 31.3         | 144.0                 | FFFF                |                      | 151                   | 41                   |
| 08559E                      | 2727N             | 2716-03523            | 00000/0000           | 2-20038/0930     | 01/07/77            | 10              | 9976         | 28.4         | 140.4                 | GGGG                |                      | 151                   | 41                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRAIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV<br>MSS                              |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 08559E 2725N                | 2698-03531        | 00000/0000 2-20037/1196                 | 12/20/76         | 10                  | 9725            | 28.9         | 143.0        | GGGG                  |                     |                      | 151                   | 41                   |
| 08559E 2722N                | 2662-03544        | 00000/0000 2-20036/0568                 | 11/14/76         | 10                  | 9223            | 35.2         | 142.7        | GGGG                  |                     |                      | 151                   | 41                   |
| 08559E 1557N                | 2462-03523        | 00000/0000 2-20024/0720                 | 04/28/76         | 30                  | 6434            | 56.0         | 88.2         | GGGG                  |                     |                      | 149                   | 49                   |
| 08559E 0417N                | 2370-03465        | 00000/0000 2-20020/0430                 | 01/27/76         | 40                  | 5151            | 44.1         | 121.3        | GGGG                  |                     |                      | 147                   | 57                   |
| 08557E 5429N                | 2561-04301        | 00000/0000 2-20030/0864                 | 08/05/76         | 50                  | 7815            | 46.8         | 139.3        | GFGG                  |                     |                      | 158                   | 22                   |
| 08557E 5144N                | 2578-04245        | 00000/0000 2-20030/1700                 | 08/22/76         | 50                  | 8052            | 43.9         | 139.7        | GGGG                  |                     |                      | 157                   | 24                   |
| 08556E 5141N                | 2596-04242        | 00000/0000 2-20032/1041                 | 09/09/76         | 10                  | 8303            | 38.4         | 144.5        | GGGG                  |                     |                      | 157                   | 24                   |
| 08556E 5139N                | 2560-04252        | 00000/0000 2-20030/0790                 | 08/04/76         | 60                  | 7801            | 48.6         | 135.4        | GGGG                  |                     |                      | 157                   | 24                   |
| 08556E 2141N                | 2697-03491        | 00000/0000 2-20038/0298                 | 12/19/76         | 0                   | 9711            | 32.9         | 140.1        | FGFF                  |                     |                      | 150                   | 45                   |
| 08556E 1007N                | 2407-03500        | 00000/0000 2-20021/1142                 | 03/04/76         | 10                  | 5667            | 47.4         | 111.2        | GGGG                  |                     |                      | 148                   | 53                   |
| 08555E 5137N                | 2686-04210        | 00000/0000 2-20037/0425                 | 12/08/76         | 30                  | 9558            | 12.0         | 154.9        | GGGG                  |                     |                      | 157                   | 24                   |
| 08555E 5136N                | 2488-04272        | 00000/0000 2-20025/1141                 | 05/24/76         | 90                  | 6797            | 53.0         | 136.5        | GFGG                  |                     |                      | 157                   | 24                   |
| 08555E 2141N                | 2715-03483        | 00000/0000 2-20038/0842                 | 01/06/77         | 0                   | 9962            | 32.1         | 137.4        | GGGG                  |                     |                      | 150                   | 45                   |
| 08555E 2138N                | 2679-03500        | 00000/0000 2-20036/1712                 | 12/01/76         | 10                  | 9460            | 35.4         | 140.6        | GFGG                  |                     |                      | 150                   | 45                   |
| 08555E 1556N                | 2714-03442        | 00000/0000 2-20038/0794                 | 01/05/77         | 30                  | 9948            | 35.6         | 134.1        | GGGG                  |                     |                      | 149                   | 49                   |
| 08555E 1555N                | 2696-03451        | 00000/0000 2-20038/0067                 | 12/18/76         | 30                  | 9697            | 36.7         | 136.7        | GGGG                  |                     |                      | 149                   | 49                   |
| 08555E 1552N                | 2426-03533        | 00000/0000 2-20021/1815                 | 03/23/76         | 10                  | 5932            | 50.4         | 108.3        | GGFF                  |                     |                      | 149                   | 49                   |
| 08554E 5420N                | 2507-04314        | 00000/0000 2-20026/1374                 | 06/12/76         | 10                  | 7062            | 53.3         | 137.7        | GGGG                  |                     |                      | 158                   | 22                   |
| 08554E 5420N                | 2543-04304        | 00000/0000 2-20028/1771                 | 07/18/76         | 90                  | 7564            | 50.6         | 136.7        | FGGG                  |                     |                      | 158                   | 22                   |
| 08554E 5139N                | 2614-04235        | 00000/0000 2-20034/0064                 | 09/27/76         | 90                  | 8554            | 32.4         | 149.0        | GGGG                  |                     |                      | 157                   | 24                   |
| 08554E 2139N                | 2427-03573        | 00000/0000 2-20022/0528                 | 03/24/76         | 0                   | 5946            | 49.4         | 114.9        | GGGG                  |                     |                      | 150                   | 45                   |
| 08552E 5135N                | 2542-04255        | 00000/0000 2-20023/1685                 | 07/17/76         | 70                  | 7550            | 52.2         | 132.5        | GGGG                  |                     |                      | 157                   | 24                   |
| 08552E 5131N                | 2668-04215        | 00000/0000 2-20036/1014                 | 11/20/76         | 90                  | 9307            | 15.4         | 155.6        | GGGG                  |                     |                      | 157                   | 24                   |
| 08552E 2138N                | 2661-03504        | 00000/0000 2-20036/0480                 | 11/13/76         | 10                  | 9209            | 39.2         | 138.8        | FGGG                  |                     |                      | 150                   | 45                   |
| 08552E 1553N                | 2678-03455        | 00000/0000 2-20036/1615                 | 11/30/76         | 60                  | 9446            | 39.3         | 136.8        | FFFF                  |                     |                      | 149                   | 49                   |
| 08552E 1549N                | 2390-03544        | 00000/0000 2-20020/1609                 | 02/16/76         | 30                  | 5430            | 42.1         | 124.2        | GGGG                  |                     |                      | 149                   | 49                   |
| 08551E 5419N                | 2525-04311        | 00000/0000 2-20028/0416                 | 06/30/76         | 10                  | 7313            | 52.9         | 136.1        | GGGG                  |                     |                      | 158                   | 22                   |
| 08551E 5129N                | 2506-04265        | 00000/0000 2-20026/1677                 | 06/11/76         | 70                  | 7048            | 54.7         | 133.3        | FGGG                  |                     |                      | 157                   | 24                   |
| 08551E 2138N                | 2409-03581        | 00000/0000 2-20021/1161                 | 03/06/76         | 10                  | 5695            | 44.4         | 122.4        | FGGG                  |                     |                      | 150                   | 45                   |
| 08551E 2136N                | 2625-03520        | 00000/0000 2-20034/0556                 | 10/08/76         | 0                   | 8707            | 47.6         | 126.6        | GGGG                  |                     |                      | 150                   | 45                   |
| 08550E 5128N                | 2524-04262        | 00000/0000 2-20028/0368                 | 06/29/76         | 80                  | 7299            | 54.4         | 131.7        | FGGG                  |                     |                      | 157                   | 24                   |
| 08550E 4442N                | 2450-04185        | 00000/0000 2-20023/0255                 | 04/16/76         | 10                  | 6267            | 47.2         | 134.8        | GGGG                  |                     |                      | 155                   | 29                   |
| 08550E 4440N                | 2468-04182        | 00000/0000 2-20024/1349                 | 05/04/76         | 30                  | 6518            | 52.5         | 130.7        | GGGG                  |                     |                      | 155                   | 29                   |
| 08550E 2135N                | 2373-03590        | 00000/0000 2-20020/0606                 | 01/30/76         | 90                  | 5193            | 36.0         | 134.1        | GGGF                  |                     |                      | 150                   | 45                   |
| 08550E 2134N                | 2391-03584        | 00000/0000 2-20020/1473                 | 02/17/76         | 0                   | 5444            | 39.7         | 128.7        | GGGG                  |                     |                      | 150                   | 45                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN. H=HIGH GAIN



02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NBN=US  
FROM 01/22/76 TO 01/22/77

PAGE 0874

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICREFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08549E 2135N                            | 2643-0351P        | 00000/0000                   | 2-20035/0180                | 10/26/76         | 10                  | 8958            | 43.5         | 134.1        |                                    |                     |                      | 150                   | 45                   |
| 08548E 3147N                            | 2699-03574        | 00000/0000                   | 2-20037/1148                | 12/21/76         | 10                  | 9739            | 25.8         | 145.0        | GGGG                               |                     |                      | 152                   | 38                   |
| 08547E 4438N                            | 2432-04193        | 00000/0000                   | 2-20022/0845                | 03/29/76         | 10                  | 6016            | 40.8         | 138.0        | GGGF                               |                     |                      | 155                   | 29                   |
| 08547E 4437N                            | 2702-04110        | 00000/0000                   | 2-20038/0482                | 12/24/76         | 0                   | 9781            | 16.2         | 150.2        | GGGG                               |                     |                      | 155                   | 29                   |
| 08546E 4439N                            | 2720-0410P        | 00000/0000                   | 2-20038/1252                | 01/11/77         | 70                  | 32              | 16.8         | 147.6        | GGG                                |                     |                      | 155                   | 29                   |
| 08546E 3146N                            | 2717-03570        | 00000/0000                   | 2-20038/1049                | 01/08/77         | 0                   | 9990            | 25.6         | 142.3        | FGGG                               |                     |                      | 152                   | 38                   |
| 08546E 3144N                            | 2681-0358P        | 00000/0000                   | 2-20037/0031                | 12/03/76         | 0                   | 9488            | 28.0         | 146.2        | GGGG                               |                     |                      | 152                   | 38                   |
| 08544E 4431N                            | 2540-04163        | 00000/0000                   | 2-20028/1457                | 07/15/76         | 10                  | 7522            | 55.3         | 121.2        | GGGG                               |                     |                      | 155                   | 29                   |
| 08544E 4428N                            | 2504-04173        | 00000/0000                   | 2-20026/1083                | 06/09/76         | 10                  | 7020            | 57.6         | 121.9        | GGGG                               |                     |                      | 155                   | 29                   |
| 08544E 3138N                            | 2663-03591        | 00000/0000                   | 2-20036/0667                | 11/15/76         | 0                   | 9237            | 31.9         | 145.4        | GGGG                               |                     |                      | 152                   | 38                   |
| 08543E 4434N                            | 2684-04114        | 00000/0000                   | 2-20037/0314                | 12/06/76         | 20                  | 9530            | 17.8         | 151.9        | PFFP                               |                     |                      | 155                   | 29                   |
| 08542E 5846N                            | 2581-04395        | 00000/0000                   | 2-20032/0115                | 08/25/76         | 30                  | 8094            | 38.4         | 148.4        | GFQG                               |                     |                      | 160                   | 19                   |
| 08542E 4435N                            | 2612-04147        | 00000/0000                   | 2-20032/1800                | 09/25/76         | 30                  | 8526            | 37.9         | 142.7        | GGGG                               |                     |                      | 155                   | 29                   |
| 08542E 0844N                            | 2443-0349P        | 00000/0000                   | 2-20022/1604                | 04/09/76         | 10                  | 6169            | 53.1         | 89.0         | GGGG                               |                     |                      | 148                   | 54                   |
| 08541E 5842N                            | 2473-04425        | 00000/0000                   | 2-20024/1860                | 05/09/76         | 0                   | 6588            | 45.5         | 148.5        | GGGG                               |                     |                      | 160                   | 19                   |
| 08541E 4427N                            | 2522-04170        | 00000/0000                   | 2-20028/0153                | 06/27/76         | 20                  | 7271            | 57.3         | 120.0        | GFQG                               |                     |                      | 155                   | 29                   |
| 08541E 0840N                            | 2479-0348P        | 00000/0000                   | 2-20025/0441                | 05/15/76         | 30                  | 6671            | 53.4         | 69.9         | FGGG                               |                     |                      | 148                   | 54                   |
| 08540E 4426N                            | 2648-04131        | 00000/0000                   | 2-20035/0407                | 10/31/76         | 90                  | 9028            | 26.5         | 150.7        | GGGG                               |                     |                      | 155                   | 29                   |
| 08539E 4023N                            | 2719-04055        | 00000/0000                   | 2-20038/1155                | 01/10/77         | 70                  | 18              | 19.8         | 145.9        | FGGF                               |                     |                      | 154                   | 32                   |
| 08539E 3605N                            | 2700-04021        | 00000/0000                   | 2-20037/1237                | 12/22/76         | 10                  | 9753            | 22.6         | 146.8        | GGGG                               |                     |                      | 153                   | 35                   |
| 08539E 3605N                            | 2718-0401P        | 00000/0000                   | 2-20038/0879                | 01/09/77         | 70                  | 4               | 22.7         | 144.1        | GGFG                               |                     |                      | 153                   | 35                   |
| 08538E 5839N                            | 2563-0440P        | 00000/0000                   | 2-20030/0915                | 08/07/76         | 40                  | 7843            | 43.7         | 145.1        | GGGG                               |                     |                      | 160                   | 19                   |
| 08538E 4424N                            | 2630-04135        | 00000/0000                   | 2-20034/0774                | 10/13/76         | 10                  | 8777            | 32.2         | 147.4        | GGGG                               |                     |                      | 155                   | 29                   |
| 08538E 1431N                            | 2462-03525        | 00000/0000                   | 2-20024/0721                | 04/28/76         | 10                  | 6434            | 55.7         | 86.0         | GGGG                               |                     |                      | 149                   | 50                   |
| 08537E 3601N                            | 2682-04025        | 00000/0000                   | 2-20036/1891                | 12/04/76         | 30                  | 9502            | 24.7         | 148.2        | PFFP                               |                     |                      | 153                   | 35                   |
| 08537E 2600N                            | 2428-04020        | 00000/0000                   | 2-20022/0624                | 03/25/76         | 0                   | 5960            | 48.3         | 119.7        | GGGG                               |                     |                      | 151                   | 42                   |
| 08536E 4016N                            | 2683-0407P        | 00000/0000                   | 2-20037/0114                | 12/05/76         | 0                   | 9516            | 21.3         | 150.1        | GGGG                               |                     |                      | 154                   | 32                   |
| 08536E 2601N                            | 2716-03525        | 00000/0000                   | 2-20038/0931                | 01/07/77         | 0                   | 9976            | 29.4         | 139.6        | FFFF                               |                     |                      | 151                   | 42                   |
| 08536E 2558N                            | 2698-03534        | 00000/0000                   | 2-20037/1197                | 12/20/76         | 0                   | 9725            | 29.9         | 142.3        | GGGG                               |                     |                      | 151                   | 42                   |
| 08536E 0840N                            | 2407-03503        | 00000/0000                   | 2-20021/1143                | 03/04/76         | 10                  | 5667            | 47.7         | 109.6        | GGPG                               |                     |                      | 148                   | 54                   |
| 08535E 3556N                            | 2664-04034        | 00000/0000                   | 2-20036/0773                | 11/16/76         | 10                  | 9251            | 28.5         | 147.8        | FGFF                               |                     |                      | 153                   | 35                   |
| 08535E 2556N                            | 2662-03551        | 00000/0000                   | 2-20036/0569                | 11/14/76         | 0                   | 9223            | 36.1         | 141.8        | GGGG                               |                     |                      | 151                   | 42                   |
| 08534E 5831N                            | 2527-0441P        | 00000/0000                   | 2-20028/0530                | 07/02/76         | 90                  | 7341            | 50.3         | 142.6        | GGGG                               |                     |                      | 160                   | 19                   |
| 08534E 5831N                            | 2545-04405        | 00000/0000                   | 2-20029/0043                | 07/20/76         | 80                  | 7592            | 47.8         | 142.9        | G                                  |                     |                      | 160                   | 19                   |
| 08534E 4732N                            | 2469-04231        | 00000/0000                   | 2-20024/1526                | 05/05/76         | 20                  | 6532            | 51.3         | 134.5        | GGGG                               |                     |                      | 156                   | 27                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08534E                                  | 4009N             | 2665-04030                   | 00000/0000                  | 2-20037/0217     | 11/17/76            | 0               | 9265         | 25.1         | 150.0                              | GGGG                |                      | 154                   | 32                   |
| 08534E                                  | 2014N             | 2697-03494                   | 00000/0000                  | 2-20038/0299     | 12/19/76            | 0               | 9711         | 33.8         | 139.2                              | FGGG                |                      | 150                   | 46                   |
| 08534E                                  | 1430N             | 2714-03445                   | 00000/0000                  | 2-20038/0795     | 01/05/77            | 40              | 9948         | 36.4         | 133.2                              | GGGG                |                      | 149                   | 50                   |
| 08534E                                  | 1428N             | 2696-03453                   | 00000/0000                  | 2-20038/0068     | 12/18/76            | 60              | 9697         | 37.5         | 135.7                              | GGGG                |                      | 149                   | 50                   |
| 08534E                                  | 1425N             | 2426-03540                   | 00000/0000                  | 2-20021/1816     | 03/23/76            | 10              | 5932         | 50.6         | 106.5                              | FGFF                |                      | 149                   | 50                   |
| 08533E                                  | 2554N             | 2374-04033                   | 00000/0000                  | 2-20020/0659     | 01/31/76            | 10              | 5207         | 33.6         | 136.7                              | GGG                 |                      | 151                   | 42                   |
| 08533E                                  | 2554N             | 2410-04024                   | 00000/0000                  | 2-20021/1239     | 03/07/76            | 0               | 5709         | 42.9         | 126.1                              | GGGG                |                      | 151                   | 42                   |
| 08533E                                  | 2015N             | 2715-03485                   | 00000/0000                  | 2-20038/0843     | 01/06/77            | 0               | 9962         | 33.0         | 136.6                              | GGGG                |                      | 150                   | 46                   |
| 08533E                                  | 2013N             | 2427-03580                   | 00000/0000                  | 2-20022/0529     | 03/24/76            | 10              | 5946         | 49.7         | 113.2                              | GGGG                |                      | 150                   | 46                   |
| 08532E                                  | 4731N             | 2451-04234                   | 00000/0000                  | 2-20023/0326     | 04/17/76            | 60              | 6281         | 46.0         | 137.9                              | GGGF                |                      | 154                   | 27                   |
| 08532E                                  | 2550N             | 2392-04031                   | 00000/0000                  | 2-20020/1656     | 02/18/76            | 0               | 5458         | 37.7         | 131.7                              | GGFF                |                      | 151                   | 42                   |
| 08532E                                  | 2012N             | 2679-03507                   | 00000/0000                  | 2-20036/1713     | 12/01/76            | 10              | 9460         | 36.4         | 139.8                              | FFGF                |                      | 150                   | 46                   |
| 08531E                                  | 5828N             | 2509-04415                   | 00000/0000                  | 2-20026/1599     | 06/14/76            | 10              | 7090         | 50.9         | 143.9                              | GGG                 |                      | 160                   | 19                   |
| 08531E                                  | 1427N             | 2678-03462                   | 00000/0000                  | 2-20036/1616     | 11/30/76            | 50              | 9446         | 40.2         | 135.8                              | FFFF                |                      | 149                   | 50                   |
| 08530E                                  | 4730N             | 2721-04151                   | 00000/0000                  | 2-20038/0964     | 01/12/77            | 20              | 46           | 14.8         | 148.7                              | FGGG                |                      | 156                   | 27                   |
| 08530E                                  | 4729N             | 2433-04242                   | 00000/0000                  | 2-20022/0794     | 03/30/76            | 10              | 6030         | 39.5         | 140.6                              | GGGG                |                      | 156                   | 27                   |
| 08530E                                  | 2012N             | 2661-03511                   | 00000/0000                  | 2-20036/0481     | 11/13/76            | 10              | 9209         | 40.1         | 137.8                              | GGGG                |                      | 150                   | 46                   |
| 08530E                                  | 2011N             | 2409-03583                   | 00000/0000                  | 2-20021/1162     | 03/06/76            | 10              | 5695         | 44.9         | 121.0                              | FGGG                |                      | 150                   | 46                   |
| 08530E                                  | 2010N             | 2625-03523                   | 00000/0000                  | 2-20034/0557     | 10/08/76            | 10              | 8707         | 48.2         | 125.1                              | GGFF                |                      | 150                   | 46                   |
| 08529E                                  | 2007N             | 2391-03590                   | 00000/0000                  | 2-20020/1474     | 02/17/76            | 0               | 5444         | 40.4         | 127.5                              | FGFF                |                      | 150                   | 46                   |
| 08529E                                  | 1420N             | 2372-03553                   | 00000/0000                  | 2-20020/0527     | 01/29/76            | 20              | 5179         | 39.8         | 129.2                              | FGGG                |                      | 149                   | 50                   |
| 08528E                                  | 2008N             | 2643-03515                   | 00000/0000                  | 2-20035/0181     | 10/26/76            | 10              | 8958         | 44.3         | 132.8                              | GGGG                |                      | 150                   | 46                   |
| 08527E                                  | 4724N             | 2685-04164                   | 00000/0000                  | 2-20036/1807     | 12/07/76            | 10              | 9544         | 15.5         | 153.1                              | GGFF                |                      | 156                   | 27                   |
| 08527E                                  | 2009N             | 2373-03593                   | 00000/0000                  | 2-20020/0607     | 01/30/76            | 100             | 5193         | 36.8         | 133.1                              | GGGG                |                      | 150                   | 46                   |
| 08526E                                  | 4726N             | 2559-04205                   | 00000/0000                  | 2-20030/0682     | 08/03/76            | 10              | 7787         | 50.9         | 129.4                              | FGGG                |                      | 156                   | 27                   |
| 08525E                                  | 5558N             | 2472-04375                   | 00000/0000                  | 2-20024/1822     | 05/08/76            | 60              | 6574         | 47.1         | 145.0                              | FGGG                |                      | 159                   | 21                   |
| 08524E                                  | 4719N             | 2541-04212                   | 00000/0000                  | 2-20028/1534     | 07/16/76            | 20              | 7536         | 54.2         | 125.9                              | GGGG                |                      | 156                   | 27                   |
| 08524E                                  | 4719N             | 2631-04184                   | 00000/0000                  | 2-20034/0834     | 10/14/76            | 90              | 8791         | 29.8         | 149.6                              | GGGG                |                      | 156                   | 27                   |
| 08524E                                  | 4719N             | 2667-04172                   | 00000/0000                  | 2-20036/0978     | 11/19/76            | 10              | 9293         | 19.0         | 153.6                              | GGGG                |                      | 156                   | 27                   |
| 08524E                                  | 4715N             | 2523-04215                   | 00000/0000                  | 2-20028/0149     | 06/28/76            | 20              | 7285         | 56.2         | 124.8                              | GGGG                |                      | 156                   | 27                   |
| 08523E                                  | 5023N             | 2452-04284                   | 00000/0000                  | 2-20024/0043     | 04/18/76            | 80              | 6295         | 44.6         | 140.9                              | GGGG                |                      | 157                   | 25                   |
| 08523E                                  | 4723N             | 2613-04192                   | 00000/0000                  | 2-20032/1879     | 09/26/76            | 10              | 8540         | 35.7         | 145.3                              | GGGG                |                      | 156                   | 27                   |
| 08523E                                  | 3021N             | 2699-03580                   | 00000/0000                  | 2-20037/1149     | 12/21/76            | 10              | 9739         | 26.8         | 144.3                              | GGGG                |                      | 152                   | 39                   |
| 08522E                                  | 5557N             | 2580-04350                   | 00000/0000                  | 2-20030/1786     | 02/24/76            | 10              | 8080         | 40.6         | 145.0                              | GGGG                |                      | 159                   | 21                   |
| 08522E                                  | 5021N             | 2470-04281                   | 00000/0000                  | 2-20024/1422     | 05/06/76            | 80              | 6546         | 50.0         | 138.1                              | GGGG                |                      | 157                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=8W GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL | MSS | MSS   | ORBIT        | FRAME         |
|-----------------------------|-------|-------------------|-----------------------------------------|--------------|------------------|---------------------|-----------------|--------------|--------------|------------|-----|-------|--------------|---------------|
| LONG                        | LAT   |                   | RBV                                     | MSS          |                  |                     |                 |              |              | RBV        | 123 | 45678 | DATA<br>MODE | IMAGE<br>GAIN |
| 08522E                      | 4716N | 2505-04222        | 00000/0000                              | 2-20024/1132 | 06/10/76         | 20                  | 7034            | 56.6         | 126.5        | GGGG       |     |       | 156          | 27            |
| 08522E                      | 4716N | 2649-04180        | 00000/0000                              | 2-20035/0387 | 11/01/76         | 40                  | 9042            | 24.0         | 152.4        | GGGG       |     |       | 156          | 27            |
| 08522E                      | 0717N | 2443-03494        | 00000/0000                              | 2-20022/1605 | 04/09/76         | 20                  | 6169            | 52.8         | 87.0         | GGGG       |     |       | 148          | 55            |
| 08521E                      | 3020N | 2717-03572        | 00000/0000                              | 2-20038/1050 | 01/08/77         | 0                   | 9990            | 26.6         | 141.6        | GGGG       |     |       | 152          | 39            |
| 08521E                      | 3018N | 2631-03585        | 00000/0000                              | 2-20037/0032 | 12/03/76         | 0                   | 9488            | 29.1         | 145.5        | GGGG       |     |       | 152          | 39            |
| 08521E                      | 0714N | 2479-03485        | 00000/0000                              | 2-20025/0442 | 05/15/76         | 30                  | 6671            | 52.7         | 68.2         | GGGG       |     |       | 148          | 55            |
| 08520E                      | 5309N | 2705-04253        | 00000/0000                              | 2-20038/0203 | 12/27/76         | 0                   | 9823            | 9.6          | 153.6        | GGGF       |     |       | 158          | 23            |
| 08520E                      | 5021N | 2722-04200        | 00000/0000                              | 2-20038/1314 | 01/13/77         | 10                  | 60              | 12.9         | 149.8        | FGFG       |     |       | 157          | 25            |
| 08520E                      | 5016N | 2704-04204        | 00000/0000                              | 2-20038/0164 | 12/26/76         | 10                  | 9809            | 11.8         | 152.4        | FFFG       |     |       | 157          | 25            |
| 08520E                      | 3012N | 2663-03593        | 00000/0000                              | 2-20036/0668 | 11/15/76         | 10                  | 9237            | 32.9         | 144.6        | GGGG       |     |       | 152          | 39            |
| 08518E                      | 5547N | 2490-04373        | 00000/0000                              | 2-20026/0047 | 05/26/76         | 80                  | 6825            | 50.9         | 142.4        | GGGG       |     |       | 159          | 21            |
| 08518E                      | 5306N | 2471-04330        | 00000/0000                              | 2-20024/1721 | 05/07/76         | 90                  | 6560            | 48.6         | 141.5        | FFFF       |     |       | 158          | 23            |
| 08517E                      | 5309N | 2723-04245        | 00000/0000                              | 2-20038/1381 | 01/14/77         | 10                  | 74              | 10.9         | 151.0        | GGGG       |     |       | 158          | 23            |
| 08517E                      | 5020N | 2578-04251        | 00000/0000                              | 2-20030/1701 | 08/22/76         | 40                  | 8052            | 44.7         | 138.1        | GGGG       |     |       | 157          | 25            |
| 08517E                      | 4316N | 2450-04192        | 00000/0000                              | 2-20023/0256 | 04/16/76         | 10                  | 6267            | 48.0         | 133.2        | GGGG       |     |       | 155          | 30            |
| 08517E                      | 4315N | 2468-04185        | 00000/0000                              | 2-20024/1350 | 05/04/76         | 10                  | 6518            | 53.2         | 128.7        | GGGG       |     |       | 155          | 30            |
| 08517E                      | 1301N | 2444-03535        | 00000/0000                              | 2-20022/1898 | 04/10/76         | 20                  | 6183            | 53.7         | 94.3         | GGGG       |     |       | 149          | 51            |
| 08516E                      | 5546N | 2544-04360        | 00000/0000                              | 2-20028/1882 | 07/19/76         | 60                  | 7578            | 49.6         | 138.9        | GGGG       |     |       | 159          | 21            |
| 08516E                      | 5014N | 2560-04254        | 00000/0000                              | 2-20030/0791 | 08/04/76         | 60                  | 7801            | 49.3         | 133.5        | GGGG       |     |       | 157          | 25            |
| 08516E                      | 5013N | 2686-04213        | 00000/0000                              | 2-20037/0426 | 12/08/76         | 10                  | 9558            | 13.1         | 154.3        | GGGG       |     |       | 157          | 25            |
| 08516E                      | 1259N | 2480-03525        | 00000/0000                              | 2-20025/0617 | 05/16/76         | 70                  | 6685            | 55.4         | 75.1         | GGGG       |     |       | 149          | 51            |
| 08516E                      | 0714N | 2407-03505        | 00000/0000                              | 2-20021/1144 | 03/04/76         | 10                  | 5667            | 47.9         | 108.0        | GGGG       |     |       | 148          | 55            |
| 08515E                      | 5304N | 2687-04262        | 00000/0000                              | 2-20037/0486 | 12/09/76         | 80                  | 9572            | 10.7         | 155.5        | GGGG       |     |       | 158          | 23            |
| 08515E                      | 5017N | 2596-04244        | 00000/0000                              | 2-20032/1042 | 09/09/76         | 10                  | 8303            | 39.3         | 143.1        | FGGG       |     |       | 157          | 25            |
| 08515E                      | 5012N | 2488-04274        | 00000/0000                              | 2-20025/1142 | 05/24/76         | 90                  | 6797            | 53.7         | 134.4        | GGGG       |     |       | 157          | 25            |
| 08515E                      | 4312N | 2432-04195        | 00000/0000                              | 2-20022/0846 | 03/29/76         | 0                   | 6016            | 41.7         | 136.7        | GGGG       |     |       | 155          | 30            |
| 08514E                      | 5544N | 2526-04363        | 00000/0000                              | 2-20028/0420 | 07/01/76         | 20                  | 7327            | 52.0         | 138.3        | GGGG       |     |       | 159          | 21            |
| 08514E                      | 5543N | 2508-04370        | 00000/0000                              | 2-20026/1400 | 06/13/76         | 70                  | 7076            | 52.5         | 139.7        | GGGG       |     |       | 159          | 21            |
| 08514E                      | 5311N | 2579-04300        | 00000/0000                              | 2-20032/0317 | 08/23/76         | 20                  | 8066            | 42.7         | 141.6        | GGGF       |     |       | 158          | 23            |
| 08514E                      | 5014N | 2614-04241        | 00000/0000                              | 2-20034/0055 | 09/27/76         | 90                  | 8554            | 33.4         | 147.9        | GGGG       |     |       | 157          | 25            |
| 08514E                      | 4314N | 2720-04104        | 00000/0000                              | 2-20038/1253 | 01/11/77         | 80                  | 32              | 17.8         | 147.0        | GGGG       |     |       | 155          | 30            |
| 08514E                      | 4312N | 2702-04112        | 00000/0000                              | 2-20038/0483 | 12/24/76         | 0                   | 9781            | 17.2         | 149.6        | GGGG       |     |       | 155          | 30            |
| 08514E                      | 2434N | 2428-04023        | 00000/0000                              | 2-20022/0625 | 03/25/76         | 0                   | 5960            | 48.8         | 118.0        | GGGG       |     |       | 151          | 43            |
| 08514E                      | 2433N | 2698-03540        | 00000/0000                              | 2-20037/1198 | 12/20/76         | 10                  | 9725            | 30.9         | 141.5        | GGGG       |     |       | 151          | 43            |
| 08513E                      | 3438N | 2700-04023        | 00000/0000                              | 2-20037/1238 | 12/22/76         | 20                  | 9753            | 23.7         | 146.2        | GGGG       |     |       | 153          | 36            |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MADE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 LANDSAT-2  
 COORDINATE LISTING  
 FOR NBN-US

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FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 08513E                      | 2435N | 2716-03532        | 00000/0000 2-20038/0932                 | 01/07/77         | 0                   | 9976            | 30.3         | 138.8        | GGGG                  |                     |                      | 151                   | 43                   |
| 08513E                      | 1848N | 2697-03500        | 00000/0000 2-20038/0300                 | 12/19/76         | 10                  | 9711            | 34.8         | 138.4        | FFFF                  |                     |                      | 150                   | 47                   |
| 08512E                      | 5305N | 2561-04304        | 00000/0000 2-20030/0865                 | 08/05/76         | 40                  | 7815            | 47.6         | 137.5        | GGGG                  |                     |                      | 158                   | 23                   |
| 08512E                      | 5010N | 2542-04262        | 00000/0000 2-20028/1686                 | 07/17/76         | 50                  | 7550            | 52.8         | 130.4        | GGGG                  |                     |                      | 157                   | 25                   |
| 08512E                      | 5007N | 2668-04221        | 00000/0000 2-20036/1015                 | 11/20/76         | 40                  | 9307            | 16.6         | 154.9        | GGGG                  |                     |                      | 157                   | 25                   |
| 08512E                      | 5005N | 2506-04272        | 00000/0000 2-20026/1678                 | 06/11/76         | 60                  | 7048            | 55.4         | 131.1        | GGGG                  |                     |                      | 157                   | 25                   |
| 08512E                      | 3438N | 2718-04015        | 00000/0000 2-20038/0880                 | 01/09/77         | 10                  | 4               | 23.7         | 143.5        | GGGG                  |                     |                      | 153                   | 36                   |
| 08512E                      | 2429N | 2662-03553        | 00000/0000 2-20036/0570                 | 11/14/76         | 10                  | 9223            | 37.1         | 140.9        | GGGG                  |                     |                      | 151                   | 43                   |
| 08511E                      | 4308N | 2684-04121        | 00000/0000 2-20037/0315                 | 12/06/76         | 0                   | 9530            | 18.9         | 151.3        | GGGG                  |                     |                      | 155                   | 30                   |
| 08511E                      | 3435N | 2682-04032        | 00000/0000 2-20036/1892                 | 12/04/76         | 40                  | 9502            | 25.8         | 147.5        | GGGG                  |                     |                      | 153                   | 36                   |
| 08511E                      | 1849N | 2715-03492        | 00000/0000 2-20038/0844                 | 01/06/77         | 0                   | 9962            | 33.9         | 135.7        | GGGG                  |                     |                      | 150                   | 47                   |
| 08510E                      | 5256N | 2543-04311        | 00000/0000 2-20028/1772                 | 07/18/76         | 80                  | 7564            | 51.3         | 134.6        | GGGG                  |                     |                      | 158                   | 23                   |
| 08510E                      | 5255N | 2669-04271        | 00000/0000 2-20036/0509                 | 11/21/76         | 0                   | 9321            | 14.1         | 156.3        | GGGG                  |                     |                      | 158                   | 23                   |
| 08510E                      | 5004N | 2524-04265        | 00000/0000 2-20028/0352                 | 06/29/76         | 80                  | 7299            | 55.0         | 129.4        | GGGG                  |                     |                      | 157                   | 25                   |
| 08510E                      | 4302N | 2414-04203        | 00000/0000 2-20021/1469                 | 03/11/76         | 30                  | 5745            | 35.0         | 139.6        | GGGG                  |                     |                      | 155                   | 30                   |
| 08510E                      | 2428N | 2374-04040        | 00000/0000 2-20020/0660                 | 01/31/76         | 10                  | 5207            | 34.5         | 135.7        | GGGG                  |                     |                      | 151                   | 43                   |
| 08510E                      | 2428N | 2410-04030        | 00000/0000 2-20021/1240                 | 03/07/76         | 0                   | 5709            | 43.5         | 124.8        | GGGG                  |                     |                      | 151                   | 43                   |
| 08510E                      | 1846N | 2679-03505        | 00000/0000 2-20036/1714                 | 12/01/76         | 10                  | 9460            | 37.3         | 138.8        | GGGG                  |                     |                      | 150                   | 47                   |
| 08509E                      | 3857N | 2719-04061        | 00000/0000 2-20038/1156                 | 01/10/77         | 60                  | 18              | 20.8         | 145.2        | GGGG                  |                     |                      | 154                   | 33                   |
| 08509E                      | 2425N | 2392-04033        | 00000/0000 2-20020/1057                 | 02/18/76         | 0                   | 5458            | 38.5         | 130.6        | GGGG                  |                     |                      | 151                   | 43                   |
| 08509E                      | 1845N | 2661-03513        | 00000/0000 2-20036/0482                 | 11/13/76         | 10                  | 9209            | 41.0         | 136.7        | GGGG                  |                     |                      | 150                   | 47                   |
| 08509E                      | 1844N | 2409-03530        | 00000/0000 2-20021/1163                 | 03/06/76         | 10                  | 5695            | 45.4         | 119.5        | GGGG                  |                     |                      | 150                   | 47                   |
| 08509E                      | 1257N | 2408-03550        | 00000/0000 2-20021/1096                 | 03/05/76         | 10                  | 5681            | 46.9         | 113.8        | GGGG                  |                     |                      | 149                   | 51                   |
| 08508E                      | 3430N | 2664-04040        | 00000/0000 2-20036/0774                 | 11/16/76         | 0                   | 9251            | 29.6         | 147.0        | GGGG                  |                     |                      | 153                   | 36                   |
| 08508E                      | 1253N | 2372-03555        | 00000/0000 2-20020/0528                 | 01/29/76         | 30                  | 5179            | 40.5         | 128.0        | GGGG                  |                     |                      | 149                   | 51                   |
| 08507E                      | 5254N | 2525-04314        | 00000/0000 2-20028/0417                 | 06/30/76         | 10                  | 7313            | 53.6         | 133.9        | GGGG                  |                     |                      | 158                   | 23                   |
| 08507E                      | 3851N | 2683-04074        | 00000/0000 2-20037/0115                 | 12/05/76         | 20                  | 9516            | 22.4         | 149.5        | GGGG                  |                     |                      | 154                   | 33                   |
| 08506E                      | 3844N | 2665-04083        | 00000/0000 2-20037/0218                 | 11/17/76         | 0                   | 9265            | 26.1         | 149.3        | GGGG                  |                     |                      | 154                   | 33                   |
| 08502E                      | 0550N | 2443-03501        | 00000/0000 2-20022/1606                 | 04/09/76         | 30                  | 6169            | 52.4         | 85.1         | GGGG                  |                     |                      | 148                   | 56                   |
| 08501E                      | 0547N | 2479-03491        | 00000/0000 2-20025/0443                 | 05/15/76         | 30                  | 6671            | 51.9         | 66.5         | GGGG                  |                     |                      | 148                   | 56                   |
| 08459E                      | 4608N | 2469-04234        | 00000/0000 2-20024/1527                 | 05/05/76         | 10                  | 6532            | 52.0         | 132.5        | GGGG                  |                     |                      | 156                   | 28                   |
| 08459E                      | 2855N | 2699-03583        | 00000/0000 2-20037/1150                 | 12/21/76         | 30                  | 9739            | 27.8         | 143.6        | GGGG                  |                     |                      | 152                   | 40                   |
| 08459E                      | 0549N | 2425-03504        | 00000/0000 2-20022/0399                 | 03/22/76         | 70                  | 5918            | 50.7         | 96.1         | GGGG                  |                     |                      | 148                   | 56                   |
| 08457E                      | 2854N | 2717-03575        | 00000/0000 2-20038/1051                 | 01/05/77         | 0                   | 9990            | 27.5         | 140.9        | GGGG                  |                     |                      | 152                   | 40                   |
| 08457E                      | 2852N | 2681-03591        | 00000/0000 2-20037/0033                 | 12/03/76         | 0                   | 9488            | 30.1         | 144.7        | GGGG                  |                     |                      | 152                   | 40                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS-BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US  
FROM 01/22/76 TO 01/22/77

PAGE 0078

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>HDDF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08457E                                  | 1135N             | 2444-03541                                         | 00000/0000       | 2-20022/1899        | 04/10/76        | 20           | 6183         | 53.6                               | 92.3                | GGFF                 | 149                   | 52                   |
| 08456E                                  | 4606N             | 2451-04241                                         | 00000/0000       | 2-20023/0327        | 04/17/76        | 90           | 6281         | 46.8                               | 136.2               | GGGG                 | 156                   | 28                   |
| 08456E                                  | 1133N             | 2480-03531                                         | 00000/0000       | 2-20025/0618        | 05/16/76        | 60           | 6685         | 54.7                               | 73.1                | GGGG                 | 149                   | 52                   |
| 08455E                                  | 4605N             | 2721-04153                                         | 00000/0000       | 2-20038/0965        | 01/12/77        | 60           | 46           | 15.8                               | 148.1               | GGGG                 | 156                   | 28                   |
| 08455E                                  | 4604N             | 2433-04244                                         | 00000/0000       | 2-20027/0795        | 03/30/76        | 0            | 6030         | 40.3                               | 139.2               | GGGG                 | 156                   | 28                   |
| 08455E                                  | 4602N             | 2703-04162                                         | 00000/0000       | 2-20038/0126        | 12/25/76        | 10           | 9795         | 15.1                               | 150.7               | FFFF                 | 156                   | 28                   |
| 08455E                                  | 2847N             | 2663-04000                                         | 00000/0000       | 2-20036/0669        | 11/15/76        | 10           | 9237         | 33.9                               | 143.7               | GGGG                 | 152                   | 40                   |
| 08453E                                  | 1723N             | 2445-03581                                         | 00000/0000       | 2-20027/1776        | 04/11/76        | 30           | 6197         | 54.1                               | 100.0               | GGGG                 | 150                   | 48                   |
| 08452E                                  | 4559N             | 2685-04170                                         | 00000/0000       | 2-20036/1808        | 12/07/76        | 10           | 9544         | 16.6                               | 152.5               | GGGF                 | 156                   | 28                   |
| 08452E                                  | 2307N             | 2428-04025                                         | 00000/0000       | 2-20027/0626        | 03/25/76        | 0            | 5960         | 49.3                               | 116.3               | GGGG                 | 151                   | 44                   |
| 08452E                                  | 1721N             | 2481-03572                                         | 00000/0000       | 2-20025/0685        | 05/17/76        | 30           | 6699         | 57.0                               | 81.0                | GGGG                 | 150                   | 48                   |
| 08451E                                  | 2308N             | 2680-03551                                         | 00000/0000       | 2-20036/1778        | 12/02/76        | 0            | 9474         | 34.3                               | 141.6               | GGGG                 | 151                   | 44                   |
| 08451E                                  | 2307N             | 2698-03543                                         | 00000/0000       | 2-20037/1199        | 12/20/76        | 10           | 9725         | 31.8                               | 140.7               | GGGG                 | 151                   | 44                   |
| 08451E                                  | 1721N             | 2637-03503                                         | 00000/0000       | 2-20038/0301        | 12/19/76        | 40           | 9711         | 35.7                               | 137.5               | GGGF                 | 150                   | 48                   |
| 08450E                                  | 2308N             | 2716-03534                                         | 00000/0000       | 2-20038/0933        | 01/07/77        | 0            | 9976         | 31.2                               | 138.0               | GGGG                 | 151                   | 44                   |
| 08449E                                  | 4555N             | 2541-04215                                         | 00000/0000       | 2-20028/1535        | 07/16/76        | 10           | 7536         | 54.7                               | 123.6               | GGGG                 | 156                   | 28                   |
| 08449E                                  | 4554N             | 2631-04191                                         | 00000/0000       | 2-20034/0835        | 10/14/76        | 70           | 8791         | 30.8                               | 148.6               | GGGG                 | 156                   | 28                   |
| 08449E                                  | 4553N             | 2667-04175                                         | 00000/0000       | 2-20036/0979        | 11/19/76        | 10           | 9293         | 20.2                               | 152.9               | GGGG                 | 156                   | 28                   |
| 08449E                                  | 4551N             | 2523-04222                                         | 00000/0000       | 2-20028/0150        | 06/28/76        | 30           | 7285         | 56.7                               | 122.4               | GGGG                 | 156                   | 28                   |
| 08449E                                  | 2304N             | 2662-03560                                         | 00000/0000       | 2-20036/0571        | 11/14/76        | 0            | 9223         | 38.1                               | 140.0               | GGGG                 | 151                   | 44                   |
| 08449E                                  | 1723N             | 2715-03494                                         | 00000/0000       | 2-20038/0845        | 01/06/77        | 10           | 9962         | 34.7                               | 134.8               | GGGG                 | 150                   | 48                   |
| 08449E                                  | 1719N             | 2679-03511                                         | 00000/0000       | 2-20036/1715        | 12/01/76        | 40           | 9460         | 38.2                               | 137.9               | GGGF                 | 150                   | 48                   |
| 08449E                                  | 1131N             | 2408-03552                                         | 00000/0000       | 2-20021/1097        | 03/05/76        | 10           | 5681         | 47.3                               | 112.3               | GGGG                 | 149                   | 52                   |
| 08448E                                  | 4558N             | 2613-04194                                         | 00000/0000       | 2-20032/1880        | 09/26/76        | 10           | 8540         | 36.7                               | 144.2               | GGGG                 | 156                   | 28                   |
| 08448E                                  | 4552N             | 2505-04225                                         | 00000/0000       | 2-20026/1133        | 06/10/76        | 10           | 7034         | 57.2                               | 124.1               | GGGG                 | 156                   | 28                   |
| 08448E                                  | 2302N             | 2410-04033                                         | 00000/0000       | 2-20021/1241        | 03/07/76        | 0            | 5709         | 44.1                               | 123.4               | FFGG                 | 151                   | 44                   |
| 08447E                                  | 5722N             | 2581-04401                                         | 00000/0000       | 2-20032/0116        | 08/25/76        | 20           | 8094         | 39.4                               | 146.8               | GGGG                 | 160                   | 20                   |
| 08447E                                  | 4551N             | 2649-04133                                         | 00000/0000       | 2-20035/0388        | 11/01/76        | 80           | 9042         | 25.1                               | 151.6               | GGGG                 | 156                   | 28                   |
| 08447E                                  | 2302N             | 2374-04042                                         | 00000/0000       | 2-20020/0661        | 01/31/76        | 10           | 5207         | 35.3                               | 134.8               | GGGG                 | 151                   | 44                   |
| 08447E                                  | 2300N             | 2392-04040                                         | 00000/0000       | 2-20020/1658        | 02/18/76        | 0            | 5458         | 39.2                               | 129.5               | FFGG                 | 151                   | 44                   |
| 08447E                                  | 1719N             | 2661-03520                                         | 00000/0000       | 2-20036/0483        | 11/13/76        | 20           | 9209         | 41.9                               | 135.6               | GGGG                 | 150                   | 48                   |
| 08447E                                  | 1718N             | 2409-03592                                         | 00000/0000       | 2-20021/1164        | 03/06/76        | 20           | 5695         | 45.9                               | 118.0               | FFGG                 | 150                   | 48                   |
| 08447E                                  | 1127N             | 2372-03562                                         | 00000/0000       | 2-20020/0529        | 01/29/76        | 20           | 5179         | 41.2                               | 126.9               | FFGG                 | 149                   | 52                   |
| 08446E                                  | 5718N             | 2473-04431                                         | 00000/0000       | 2-20024/1861        | 05/09/76        | 0            | 6588         | 46.4                               | 146.7               | GGGG                 | 160                   | 20                   |
| 08446E                                  | 3312N             | 2700-04030                                         | 00000/0000       | 2-20037/1239        | 12/22/76        | 20           | 9753         | 24.7                               | 145.6               | GGGG                 | 153                   | 37                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NSN=US  
FROM 01/22/76 TO 01/22/77

PAGE 0879

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                   |                             |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 08446E                      | 3312N | 2718-04021        | 00000/0000            | 2-20038/0881                | 01/09/77         | 10                  | 4               | 24.7         | 142.8        | GGGG                  |                     |                      | 153                   | 37                   |
| 08445E                      | 3309N | 2682-04034        | 00000/0000            | 2-20036/1893                | 12/04/76         | 30                  | 9502            | 26.8         | 146.9        | PFFF                  |                     |                      | 153                   | 37                   |
| 08444E                      | 5716N | 2563-04405        | 00000/0000            | 2-20030/0916                | 08/07/76         | 60                  | 7843            | 44.6         | 143.3        | GGGG                  |                     |                      | 160                   | 20                   |
| 08444E                      | 4858N | 2452-04290        | 00000/0000            | 2-20024/0044                | 04/18/76         | 80                  | 6295            | 45.4         | 139.3        | GGGG                  |                     |                      | 157                   | 26                   |
| 08444E                      | 4856N | 2470-04283        | 00000/0000            | 2-20024/1423                | 05/05/76         | 20                  | 6546            | 50.8         | 136.2        | GGGG                  |                     |                      | 157                   | 26                   |
| 08443E                      | 4149N | 2720-04111        | 00000/0000            | 2-20038/1254                | 01/11/77         | 90                  | 32              | 18.8         | 146.3        | GGGG                  |                     |                      | 155                   | 31                   |
| 08443E                      | 4146N | 2702-04115        | 00000/0000            | 2-20038/0484                | 12/24/76         | 10                  | 9781            | 18.3         | 149.0        | FGFG                  |                     |                      | 155                   | 31                   |
| 08442E                      | 4851N | 2704-04211        | 00000/0000            | 2-20038/0165                | 12/26/76         | 0                   | 9809            | 12.9         | 151.8        | FFFF                  |                     |                      | 157                   | 26                   |
| 08442E                      | 3305N | 2664-04043        | 00000/0000            | 2-20036/0775                | 11/16/76         | 0                   | 9251            | 30.6         | 146.3        | FFGG                  |                     |                      | 153                   | 37                   |
| 08442E                      | 0423N | 2443-03503        | 00000/0000            | 2-20027/1607                | 04/09/76         | 30                  | 6149            | 52.1         | 83.3         | GGGG                  |                     |                      | 148                   | 57                   |
| 08441E                      | 4855N | 2722-04203        | 00000/0000            | 2-20038/1315                | 01/13/77         | 20                  | 60              | 13.9         | 149.2        | GGGG                  |                     |                      | 157                   | 26                   |
| 08441E                      | 3731N | 2719-04064        | 00000/0000            | 2-20038/1157                | 01/10/77         | 30                  | 18              | 21.8         | 144.6        | PGGG                  |                     |                      | 154                   | 34                   |
| 08441E                      | 0421N | 2479-03494        | 00000/0000            | 2-20025/0444                | 05/15/76         | 30                  | 6671            | 51.1         | 65.0         | GGGG                  |                     |                      | 148                   | 57                   |
| 08440E                      | 5708N | 2527-04415        | 00000/0000            | 2-20028/0531                | 07/02/76         | 90                  | 7341            | 51.1         | 140.5        | GGGG                  |                     |                      | 160                   | 20                   |
| 08440E                      | 5708N | 2545-04412        | 00000/0000            | 2-20029/0044                | 07/20/76         | 80                  | 7592            | 48.7         | 140.9        | GGGG                  |                     |                      | 160                   | 20                   |
| 08440E                      | 4143N | 2684-04123        | 00000/0000            | 2-20037/0316                | 12/06/76         | 0                   | 9530            | 20.0         | 150.7        | PPPF                  |                     |                      | 155                   | 31                   |
| 08439E                      | 0422N | 2425-03511        | 00000/0000            | 2-20027/0400                | 03/22/76         | 60                  | 5918            | 50.6         | 94.3         | GGGF                  |                     |                      | 148                   | 57                   |
| 08438E                      | 5145N | 2705-04260        | 00000/0000            | 2-20038/0204                | 12/27/76         | 10                  | 9823            | 10.7         | 152.9        | FGGF                  |                     |                      | 158                   | 24                   |
| 08438E                      | 3725N | 2683-04081        | 00000/0000            | 2-20037/0116                | 12/05/76         | 70                  | 9516            | 23.5         | 148.8        | GGGG                  |                     |                      | 154                   | 34                   |
| 08437E                      | 5705N | 2509-04422        | 00000/0000            | 2-20026/1600                | 06/14/76         | 0                   | 7090            | 51.8         | 141.7        | GGGG                  |                     |                      | 160                   | 20                   |
| 08437E                      | 5433N | 2472-04382        | 00000/0000            | 2-20024/1823                | 05/08/76         | 70                  | 6574            | 48.0         | 143.2        | GGGG                  |                     |                      | 159                   | 22                   |
| 08437E                      | 4850N | 2560-04261        | 00000/0000            | 2-20030/0792                | 08/04/76         | 30                  | 7801            | 50.0         | 131.6        | GGGG                  |                     |                      | 157                   | 26                   |
| 08437E                      | 4848N | 2686-04215        | 00000/0000            | 2-20037/0427                | 12/08/76         | 0                   | 9558            | 14.3         | 153.7        | GGGG                  |                     |                      | 157                   | 26                   |
| 08437E                      | 3719N | 2665-04085        | 00000/0000            | 2-20037/0219                | 11/17/76         | 0                   | 9265            | 27.2         | 148.6        | FGGG                  |                     |                      | 154                   | 34                   |
| 08436E                      | 1009N | 2444-03544        | 00000/0000            | 2-20027/1900                | 04/10/76         | 20                  | 6183            | 53.4         | 90.3         | GGFG                  |                     |                      | 149                   | 53                   |
| 08435E                      | 4849N | 2614-04244        | 00000/0000            | 2-20034/0066                | 09/27/76         | 90                  | 8534            | 34.4         | 146.7        | GGGG                  |                     |                      | 157                   | 26                   |
| 08435E                      | 2729N | 2699-03585        | 00000/0000            | 2-20037/1151                | 12/21/76         | 50                  | 9739            | 28.8         | 142.9        | GGGG                  |                     |                      | 152                   | 41                   |
| 08435E                      | 1006N | 2480-03534        | 00000/0000            | 2-20025/0619                | 05/16/76         | 60                  | 6685            | 54.1         | 71.3         | FFFF                  |                     |                      | 149                   | 53                   |
| 08434E                      | 5433N | 2580-04352        | 00000/0000            | 2-20030/1787                | 08/24/76         | 10                  | 8080            | 41.5         | 143.4        | GGGG                  |                     |                      | 159                   | 22                   |
| 08434E                      | 5145N | 2723-04257        | 00000/0000            | 2-20038/1382                | 01/14/77         | 20                  | 74              | 11.9         | 150.4        | FFGG                  |                     |                      | 158                   | 24                   |
| 08434E                      | 5141N | 2471-04333        | 00000/0000            | 2-20024/1696                | 05/07/76         | 0                   | 6560            | 49.5         | 139.6        | G GG                  |                     |                      | 158                   | 24                   |
| 08434E                      | 4845N | 2542-04264        | 00000/0000            | 2-20028/1641                | 07/17/76         | 20                  | 7550            | 53.4         | 128.2        | GGGG                  |                     |                      | 157                   | 26                   |
| 08434E                      | 4843N | 2668-04224        | 00000/0000            | 2-20036/1016                | 11/20/76         | 10                  | 9307            | 17.7         | 154.2        | GGGG                  |                     |                      | 157                   | 26                   |
| 08434E                      | 4840N | 2506-04274        | 00000/0000            | 2-20026/1679                | 06/11/76         | 60                  | 7048            | 56.0         | 128.7        | GGGG                  |                     |                      | 157                   | 26                   |
| 08434E                      | 2728N | 2429-04072        | 00000/0000            | 2-20027/0669                | 03/26/76         | 10                  | 5974            | 48.1         | 121.0        | GGGG                  |                     |                      | 152                   | 41                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0080

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBY MSS                                 |                  |                     |              |              | 123 45678             |                     |                      |                       |                      |
| 08433E 5140N                | 2687-04264        | 00000/0000 2-20037/0487                 | 12/09/76         | 10                  | 9572         | 11.9         | 154.9                 | GGGG                |                      | 158                   | 24                   |
| 08433E 2727N                | 2717-03534        | 00000/0000 2-20038/1052                 | 01/08/77         | 20                  | 9990         | 28.5         | 140.2                 | GGGG                |                      | 152                   | 41                   |
| 08433E 2726N                | 2681-03594        | 00000/0000 2-20037/0034                 | 12/03/76         | 10                  | 9488         | 31.1         | 144.0                 | GGGG                |                      | 152                   | 41                   |
| 08432E 5146N                | 2579-04303        | 00000/0000 2-20032/0318                 | 08/23/76         | 30                  | 8066         | 43.6         | 140.0                 | GGGG                |                      | 158                   | 24                   |
| 08432E 4840N                | 2524-04271        | 00000/0000 2-20028/0353                 | 06/29/76         | 40                  | 7299         | 55.6         | 127.1                 | P                   |                      | 157                   | 26                   |
| 08432E 1557N                | 2445-03584        | 00000/0000 2-20022/1657                 | 04/11/76         | 20                  | 6197         | 54.0         | 97.9                  | GGGG                |                      | 150                   | 49                   |
| 08431E 2722N                | 2663-04002        | 00000/0000 2-20036/0670                 | 11/15/76         | 10                  | 9237         | 34.9         | 142.9                 | GGGG                |                      | 152                   | 41                   |
| 08431E 1555N                | 2481-03574        | 00000/0000 2-20025/0686                 | 05/17/76         | 30                  | 6699         | 56.5         | 78.9                  | GGGG                |                      | 150                   | 49                   |
| 08430E 5423N                | 2490-04375        | 00000/0000 2-20026/0048                 | 05/26/76         | 70                  | 6825         | 51.7         | 140.3                 | GGGG                |                      | 159                   | 22                   |
| 08430E 5141N                | 2561-04310        | 00000/0000 2-20030/0826                 | 08/05/76         | 80                  | 7815         | 48.3         | 135.6                 | GGGG                |                      | 158                   | 24                   |
| 08430E 2723N                | 2393-04082        | 00000/0000 2-20021/0138                 | 02/19/76         | 0                   | 5472         | 37.2         | 132.6                 | FGFG                |                      | 152                   | 41                   |
| 08430E 2722N                | 2627-04014        | 00000/0000 2-20034/0764                 | 10/10/76         | 30                  | 8735         | 44.2         | 133.2                 | FFFF                |                      | 152                   | 41                   |
| 08430E 2718N                | 2411-04075        | 00000/0000 2-20021/1224                 | 03/08/76         | 10                  | 5723         | 42.5         | 127.1                 | GGGG                |                      | 152                   | 41                   |
| 08430E 1554N                | 2697-03505        | 00000/0000 2-20038/0302                 | 12/19/76         | 50                  | 9711         | 36.6         | 136.6                 | GGGG                |                      | 150                   | 49                   |
| 08429E 5423N                | 2544-04363        | 00000/0000 2-20028/1883                 | 07/19/76         | 60                  | 7578         | 50.4         | 136.8                 | GGGG                |                      | 159                   | 22                   |
| 08429E 2720N                | 2645-04011        | 00000/0000 2-20035/0092                 | 10/28/76         | 0                   | 8986         | 39.5         | 139.3                 | GGGG                |                      | 152                   | 41                   |
| 08429E 2717N                | 2375-04085        | 00000/0000 2-20020/0793                 | 02/01/76         | 30                  | 5221         | 33.0         | 137.3                 | GGGG                |                      | 152                   | 41                   |
| 08429E 2141N                | 2428-04032        | 00000/0000 2-20022/0627                 | 03/25/76         | 0                   | 5960         | 49.6         | 114.5                 | FGGG                |                      | 151                   | 45                   |
| 08429E 2141N                | 2680-03554        | 00000/0000 2-20036/1779                 | 12/02/76         | 0                   | 9474         | 35.2         | 140.7                 | GGGG                |                      | 151                   | 45                   |
| 08429E 2140N                | 2698-03545        | 00000/0000 2-20037/1200                 | 12/20/76         | 0                   | 9725         | 32.8         | 139.9                 | GGGG                |                      | 151                   | 45                   |
| 08429E 1005N                | 2408-03555        | 00000/0000 2-20021/1098                 | 03/05/76         | 20                  | 5681         | 47.6         | 110.7                 | FGGG                |                      | 149                   | 53                   |
| 08428E 5132N                | 2543-04313        | 00000/0000 2-20029/0029                 | 07/18/76         | 70                  | 7564         | 52.0         | 132.6                 | PPP                 |                      | 158                   | 24                   |
| 08428E 5131N                | 2669-04273        | 00000/0000 2-20036/0510                 | 11/21/76         | 0                   | 9321         | 15.2         | 155.6                 | GGGG                |                      | 158                   | 24                   |
| 08428E 2142N                | 2716-03541        | 00000/0000 2-20038/0934                 | 01/07/77         | 0                   | 9976         | 32.1         | 137.2                 | GGGG                |                      | 151                   | 45                   |
| 08428E 1556N                | 2715-03501        | 00000/0000 2-20038/0846                 | 01/06/77         | 10                  | 9962         | 35.6         | 133.9                 | FGGG                |                      | 150                   | 49                   |
| 08427E 5420N                | 2526-04370        | 00000/0000 2-20028/0421                 | 07/01/76         | 30                  | 7327         | 52.8         | 136.1                 | GGGG                |                      | 159                   | 22                   |
| 08427E 5419N                | 2670-04322        | 00000/0000 2-20036/0815                 | 11/22/76         | 20                  | 9335         | 12.7         | 157.1                 | FGGG                |                      | 159                   | 22                   |
| 08427E 5132N                | 2507-04323        | 00000/0000 2-20026/1375                 | 06/12/76         | 50                  | 7062         | 54.7         | 133.3                 | GGGG                |                      | 158                   | 24                   |
| 08427E 1552N                | 2679-03514        | 00000/0000 2-20036/1716                 | 12/01/76         | 90                  | 9460         | 39.1         | 136.9                 | GGGG                |                      | 150                   | 49                   |
| 08427E 1001N                | 2372-03564        | 00000/0000 2-20020/0530                 | 01/29/76         | 70                  | 5179         | 41.9         | 125.7                 | GGGG                |                      | 149                   | 53                   |
| 08426E 5419N                | 2508-04373        | 00000/0000 2-20026/1401                 | 06/13/76         | 10                  | 7076         | 53.3         | 137.5                 | GGGG                |                      | 159                   | 22                   |
| 08426E 2138N                | 2662-03562        | 00000/0000 2-20036/0572                 | 11/14/76         | 0                   | 9223         | 39.0         | 139.0                 | GGGG                |                      | 151                   | 45                   |
| 08426E 2136N                | 2410-04035        | 00000/0000 2-20021/1242                 | 03/07/76         | 0                   | 5709         | 44.7         | 122.0                 | GGGG                |                      | 151                   | 45                   |
| 08426E 1553N                | 2661-03522        | 00000/0000 2-20036/0484                 | 11/13/76         | 20                  | 9209         | 42.7         | 134.4                 | GGGG                |                      | 150                   | 49                   |
| 08426E 1552N                | 2409-03595        | 00000/0000 2-20021/1165                 | 03/06/76         | 20                  | 5695         | 46.4         | 116.5                 | FFGG                |                      | 150                   | 49                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08425E 5130N                            | 2525-04320        | 00000/0000                   | 2-20028/0473                | 06/30/76         | 50                  | 7313            | 54.3         | 131.7        | G                                  |                     |                      | 158                   | 26                   |
| 08425E 4443N                            | 2469-04240        | 00000/0000                   | 2-20024/1528                | 05/05/76         | 10                  | 6532            | 52.7         | 130.6        | GGGG                               |                     |                      | 156                   | 29                   |
| 08425E 2136N                            | 2374-04045        | 00000/0000                   | 2-20020/0662                | 01/31/76         | 30                  | 5207            | 36.2         | 133.8        | GGGG                               |                     |                      | 151                   | 45                   |
| 08425E 2135N                            | 2644-03570        | 00000/0000                   | 2-20035/0182                | 10/27/76         | 0                   | 8972            | 43.3         | 134.4        | GGGG                               |                     |                      | 151                   | 45                   |
| 08424E 2134N                            | 2392-04042        | 00000/0000                   | 2-20020/1659                | 02/18/76         | 0                   | 5458            | 39.9         | 128.3        | GGGG                               |                     |                      | 151                   | 45                   |
| 08423E 5847N                            | 2456-04490        | 00000/0000                   | 2-20024/0352                | 04/22/76         | 50                  | 6361            | 40.4         | 150.1        | GGGG                               |                     |                      | 161                   | 19                   |
| 08422E 4440N                            | 2451-04243        | 00000/0000                   | 2-20023/0328                | 04/17/76         | 80                  | 6281            | 47.6         | 134.6        | GGGG                               |                     |                      | 156                   | 29                   |
| 08421E 4440N                            | 2721-04160        | 00000/0000                   | 2-20038/0966                | 01/12/77         | 90                  | 46              | 16.9         | 147.4        | GGGG                               |                     |                      | 156                   | 29                   |
| 08421E 3147N                            | 2700-04032        | 00000/0000                   | 2-20037/1240                | 12/22/76         | 20                  | 9753            | 25.7         | 144.9        | GGGG                               |                     |                      | 153                   | 38                   |
| 08421E 3146N                            | 2718-04024        | 00000/0000                   | 2-20038/0882                | 01/09/77         | 10                  | 4               | 25.7         | 142.1        | GGFG                               |                     |                      | 153                   | 38                   |
| 08418E 5844N                            | 2474-04483        | 00000/0000                   | 2-20025/0001                | 05/10/76         | 10                  | 6602            | 45.7         | 148.5        | GGGG                               |                     |                      | 161                   | 19                   |
| 08417E 5843N                            | 2438-04493        | 00000/0000                   | 2-20022/1234                | 04/04/76         | 0                   | 6100            | 33.9         | 150.9        | GGGG                               |                     |                      | 161                   | 19                   |
| 08417E 4430N                            | 2541-04221        | 00000/0000                   | 2-20028/1536                | 07/16/76         | 30                  | 7536            | 55.2         | 121.3        | GGGG                               |                     |                      | 156                   | 29                   |
| 08416E 4426N                            | 2523-04224        | 00000/0000                   | 2-20028/0151                | 06/28/76         | 40                  | 7285            | 57.2         | 120.0        | GGGG                               |                     |                      | 156                   | 29                   |
| 08416E 3138N                            | 2664-04045        | 00000/0000                   | 2-20036/0776                | 11/16/76         | 0                   | 9251            | 31.7         | 145.5        | FGGG                               |                     |                      | 153                   | 38                   |
| 08416E 0842N                            | 2444-03550        | 00000/0000                   | 2-20022/1901                | 04/10/76         | 20                  | 6183            | 53.1         | 88.3         | GGGG                               |                     |                      | 149                   | 54                   |
| 08415E 5841N                            | 2564-04460        | 00000/0000                   | 2-20030/0941                | 08/08/76         | 50                  | 7857            | 43.4         | 145.3        | GGGG                               |                     |                      | 161                   | 19                   |
| 08415E 5835N                            | 2492-04480        | 00000/0000                   | 2-20026/0238                | 05/28/76         | 50                  | 6853            | 49.4         | 146.1        | GGGG                               |                     |                      | 161                   | 19                   |
| 08415E 4429N                            | 2631-04193        | 00000/0000                   | 2-20034/0836                | 10/14/76         | 10                  | 8791            | 31.9         | 147.7        | GGGG                               |                     |                      | 156                   | 29                   |
| 08415E 4428N                            | 2667-04181        | 00000/0000                   | 2-20036/0980                | 11/19/76         | 10                  | 9293            | 21.3         | 152.2        | GGGG                               |                     |                      | 156                   | 29                   |
| 08415E 0840N                            | 2480-03540        | 00000/0000                   | 2-20025/0620                | 05/16/76         | 60                  | 6685            | 53.4         | 69.5         | GGGG                               |                     |                      | 149                   | 54                   |
| 08414E 4433N                            | 2613-04201        | 00000/0000                   | 2-20032/1881                | 09/26/76         | 30                  | 8540            | 37.6         | 143.0        | GGGG                               |                     |                      | 156                   | 29                   |
| 08414E 4427N                            | 2505-04231        | 00000/0000                   | 2-20026/1134                | 06/10/76         | 30                  | 7034            | 57.7         | 121.7        | GGGG                               |                     |                      | 156                   | 29                   |
| 08413E 4427N                            | 2649-04185        | 00000/0000                   | 2-20035/0389                | 11/01/76         | 80                  | 9042            | 26.2         | 150.8        | GGGG                               |                     |                      | 156                   | 29                   |
| 08413E 4023N                            | 2720-04113        | 00000/0000                   | 2-20038/1255                | 01/11/77         | 80                  | 32              | 19.8         | 145.7        | FGGG                               |                     |                      | 155                   | 32                   |
| 08413E 3605N                            | 2719-04070        | 00000/0000                   | 2-20038/1158                | 01/10/77         | 10                  | 18              | 22.8         | 144.0        | FGGG                               |                     |                      | 154                   | 35                   |
| 08412E 4021N                            | 2702-04121        | 00000/0000                   | 2-20038/0485                | 12/24/76         | 70                  | 9781            | 19.4         | 148.4        | GGGG                               |                     |                      | 155                   | 32                   |
| 08412E 2602N                            | 2699-03592        | 00000/0000                   | 2-20037/1152                | 12/21/76         | 40                  | 9739            | 29.8         | 142.2        | GGGG                               |                     |                      | 152                   | 42                   |
| 08411E 2602N                            | 2429-04074        | 00000/0000                   | 2-20022/0670                | 03/26/76         | 0                   | 5974            | 48.6         | 119.3        | GGGF                               |                     |                      | 152                   | 42                   |
| 08411E 1430N                            | 2445-03590        | 00000/0000                   | 2-20027/1658                | 04/11/76         | 10                  | 6197            | 54.0         | 95.8         | GGGG                               |                     |                      | 150                   | 50                   |
| 08411E 1428N                            | 2481-03581        | 00000/0000                   | 2-20025/0687                | 05/17/76         | 40                  | 6699            | 55.9         | 76.8         | GGGG                               |                     |                      | 150                   | 50                   |
| 08410E 5833N                            | 2546-04464        | 00000/0000                   | 2-20028/1595                | 07/21/76         | 80                  | 7606            | 47.6         | 143.0        | G                                  |                     |                      | 161                   | 19                   |
| 08410E 3600N                            | 2683-04083        | 00000/0000                   | 2-20037/0117                | 12/05/76         | 10                  | 9516            | 24.6         | 148.2        | GGGG                               |                     |                      | 154                   | 35                   |
| 08410E 3553N                            | 2665-04092        | 00000/0000                   | 2-20037/0220                | 11/17/76         | 0                   | 9265            | 28.3         | 147.9        | GGGG                               |                     |                      | 154                   | 35                   |
| 08410E 2601N                            | 2717-03584        | 00000/0000                   | 2-20038/1053                | 01/08/77         | 10                  | 9990            | 29.4         | 139.4        | GGFG                               |                     |                      | 152                   | 42                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN. H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08410E 2600N                            | 2681-04000        | 00000/0000 2-20037/0035                            | 12/03/76         | 20                  | 9488            | 32.1         | 143.2        |                                    |                     |                      | 152                   | 42                   |
| 08409E 4020N                            | 2684-04130        | 00000/0000 2-20037/0317                            | 12/06/76         | 0                   | 9530            | 21.1         | 150.1        | GGGG                               |                     |                      | 155                   | 32                   |
| 08409E 1427N                            | 2697-0351P        | 00000/0000 2-20038/0303                            | 12/19/76         | 50                  | 9711            | 37.4         | 135.6        | PPPG                               |                     |                      | 150                   | 50                   |
| 08409E 0839N                            | 2408-03561        | 00000/0000 2-20021/1099                            | 03/05/76         | 30                  | 5681            | 47.9         | 109.0        | GGGF                               |                     |                      | 149                   | 54                   |
| 08407E 5830N                            | 2528-04471        | 00000/0000 2-20028/0401                            | 07/03/76         | 40                  | 7355            | 50.2         | 142.5        | GGGG                               |                     |                      | 161                   | 19                   |
| 08407E 4731N                            | 2470-04290        | 00000/0000 2-20024/1424                            | 05/06/76         | 30                  | 6546            | 51.6         | 134.2        | GGGG                               |                     |                      | 157                   | 27                   |
| 08407E 2558N                            | 2393-04045        | 00000/0000 2-20021/0139                            | 02/19/76         | 0                   | 5472            | 37.9         | 131.5        | FGFG                               |                     |                      | 152                   | 42                   |
| 08407E 2556N                            | 2627-04021        | 00000/0000 2-20034/0765                            | 10/10/76         | 10                  | 8735            | 45.0         | 131.9        | GGGG                               |                     |                      | 152                   | 42                   |
| 08407E 2556N                            | 2663-04005        | 00000/0000 2-20036/0671                            | 11/15/76         | 0                   | 9237            | 35.9         | 142.0        | FGGG                               |                     |                      | 152                   | 42                   |
| 08407E 2553N                            | 2411-04082        | 00000/0000 2-20021/1225                            | 03/08/76         | 0                   | 5723            | 43.2         | 125.8        | GGGG                               |                     |                      | 152                   | 42                   |
| 08407E 2014N                            | 2428-04034        | 00000/0000 2-20027/0628                            | 03/25/76         | 0                   | 5960            | 50.0         | 112.7        | GGGG                               |                     |                      | 151                   | 46                   |
| 08407E 2014N                            | 2698-03552        | 00000/0000 2-20037/1201                            | 12/20/76         | 0                   | 9725            | 33.7         | 139.1        | GGGG                               |                     |                      | 151                   | 46                   |
| 08407E 1429N                            | 2715-03503        | 00000/0000 2-20038/0847                            | 01/06/77         | 20                  | 9962            | 36.4         | 133.0        | GGGG                               |                     |                      | 150                   | 50                   |
| 08407E 0834N                            | 2372-03571        | 00000/0000 2-20020/0531                            | 01/29/76         | 50                  | 5179            | 42.5         | 124.4        | GGFG                               |                     |                      | 149                   | 54                   |
| 08406E 2552N                            | 2375-04091        | 00000/0000 2-20020/0794                            | 02/01/76         | 10                  | 5221            | 33.8         | 136.4        | GGGG                               |                     |                      | 152                   | 42                   |
| 08406E 2014N                            | 2716-03543        | 00000/0000 2-20038/0935                            | 01/07/77         | 0                   | 9976            | 33.0         | 136.4        | GGGG                               |                     |                      | 151                   | 46                   |
| 08406E 1426N                            | 2679-03520        | 00000/0000 2-20036/1717                            | 12/01/76         | 30                  | 9460            | 40.0         | 135.8        | GGGF                               |                     |                      | 150                   | 50                   |
| 08405E 5826N                            | 2510-04474        | 00000/0000 2-20026/1632                            | 06/15/76         | 0                   | 7104            | 50.9         | 143.7        | GGGG                               |                     |                      | 161                   | 19                   |
| 08405E 4727N                            | 2704-04213        | 00000/0000 2-20038/0166                            | 12/26/76         | 0                   | 9809            | 14.0         | 151.2        | FFFG                               |                     |                      | 157                   | 27                   |
| 08405E 2554N                            | 2645-04013        | 00000/0000 2-20035/0093                            | 10/28/76         | 0                   | 8986            | 40.4         | 138.2        | GGGG                               |                     |                      | 152                   | 42                   |
| 08405E 2009N                            | 2410-04042        | 00000/0000 2-20021/1243                            | 03/07/76         | 10                  | 5709            | 45.2         | 120.5        | GGGG                               |                     |                      | 151                   | 46                   |
| 08405E 1426N                            | 2409-04001        | 00000/0000 2-20021/1166                            | 03/06/76         | 30                  | 5695            | 46.8         | 115.0        | FGFG                               |                     |                      | 150                   | 50                   |
| 08405E 1426N                            | 2661-03525        | 00000/0000 2-20036/0485                            | 11/13/76         | 20                  | 9209            | 43.6         | 133.2        | GGGG                               |                     |                      | 150                   | 50                   |
| 08404E 4730N                            | 2722-04205        | 00000/0000 2-20038/1316                            | 01/13/77         | 20                  | 60              | 14.9         | 148.5        | GF G                               |                     |                      | 157                   | 27                   |
| 08404E 2012N                            | 2662-03565        | 00000/0000 2-20036/0573                            | 11/14/76         | 0                   | 9223            | 39.9         | 137.9        | GGGG                               |                     |                      | 151                   | 46                   |
| 08403E 2010N                            | 2374-04051        | 00000/0000 2-20020/0663                            | 01/31/76         | 30                  | 5207            | 37.0         | 132.9        | GGGG                               |                     |                      | 151                   | 46                   |
| 08403E 2009N                            | 2644-03573        | 00000/0000 2-20035/0183                            | 10/27/76         | 10                  | 8972            | 44.1         | 133.2        | GGGG                               |                     |                      | 151                   | 46                   |
| 08402E 2007N                            | 2392-04045        | 00000/0000 2-20020/1660                            | 02/18/76         | 0                   | 5458            | 40.6         | 127.2        | FGGF                               |                     |                      | 151                   | 46                   |
| 08401E 4723N                            | 2686-04222        | 00000/0000 2-20037/0428                            | 12/08/76         | 0                   | 9558            | 15.4         | 153.0        | FFFF                               |                     |                      | 157                   | 27                   |
| 08400E 4725N                            | 2560-04263        | 00000/0000 2-20030/0793                            | 08/04/76         | 30                  | 7801            | 50.7         | 129.7        | GGGG                               |                     |                      | 157                   | 27                   |
| 08359E 4724N                            | 2614-04250        | 00000/0000 2-20034/0067                            | 09/27/76         | 90                  | 8554            | 35.4         | 145.6        | GGGG                               |                     |                      | 157                   | 27                   |
| 08358E 4722N                            | 2542-04271        | 00000/0000 2-20028/1642                            | 07/17/76         | 10                  | 7550            | 54.0         | 126.0        | GGGG                               |                     |                      | 157                   | 27                   |
| 08358E 4716N                            | 2506-04281        | 00000/0000 2-20026/1680                            | 06/11/76         | 50                  | 7048            | 55.6         | 126.4        | GGGG                               |                     |                      | 157                   | 27                   |
| 08357E 5020N                            | 2705-04262        | 00000/0000 2-20038/0205                            | 12/27/76         | 10                  | 9823            | 11.8         | 152.3        | GGGG                               |                     |                      | 158                   | 25                   |
| 08357E 4718N                            | 2668-04230        | 00000/0000 2-20036/1017                            | 11/20/76         | 10                  | 9307            | 18.8         | 153.6        | GGGG                               |                     |                      | 157                   | 27                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08356E 5554N                            | 2473-04434        | 00000/0000                   | 2-20024/1862                | 05/09/76         | 0                   | 6588            | 47.4         | 144.9        | GGGG                               |                     |                      | 160                   | 21                   |
| 08356E 5024N                            | 2453-04342        | 00000/0000                   | 2-20024/0101                | 04/19/76         | 90                  | 6309            | 44.9         | 140.8        | GGGG                               |                     |                      | 158                   | 25                   |
| 08356E 4715N                            | 2524-04274        | 00000/0000                   | 2-20028/0369                | 06/29/76         | 20                  | 7299            | 56.2         | 124.7        | GGGG                               |                     |                      | 157                   | 27                   |
| 08356E 3021N                            | 2700-04035        | 00000/0000                   | 2-20037/1241                | 12/22/76         | 30                  | 9753            | 26.7         | 144.2        | GGGG                               |                     |                      | 153                   | 39                   |
| 08356E 3020N                            | 2718-04030        | 00000/0000                   | 2-20038/0883                | 01/09/77         | 0                   | 4               | 26.6         | 141.4        | GGGG                               |                     |                      | 153                   | 39                   |
| 08355E 5559N                            | 2531-04404        | 00000/0000                   | 2-20032/0117                | 08/25/76         | 10                  | 8094            | 40.3         | 145.2        | GGGG                               |                     |                      | 160                   | 21                   |
| 08355E 0715N                            | 2444-03553        | 00000/0000                   | 2-20027/1902                | 04/10/76         | 30                  | 6183            | 52.8         | 86.4         | GGGG                               |                     |                      | 149                   | 55                   |
| 08354E 0713N                            | 2480-03543        | 00000/0000                   | 2-20025/0621                | 05/16/76         | 40                  | 6685            | 52.6         | 67.8         | GGGF                               |                     |                      | 149                   | 55                   |
| 08353E 5553N                            | 2563-04411        | 00000/0000                   | 2-20030/0917                | 08/07/76         | 30                  | 7843            | 45.4         | 141.5        | GGGG                               |                     |                      | 160                   | 21                   |
| 08353E 5020N                            | 2723-04254        | 00000/0000                   | 2-20038/1383                | 01/14/77         | 30                  | 74              | 13.0         | 149.7        | FGGG                               |                     |                      | 158                   | 25                   |
| 08353E 5016N                            | 2471-04335        | 00000/0000                   | 2-20024/1722                | 05/07/76         | 10                  | 6560            | 50.3         | 137.8        | FFGG                               |                     |                      | 158                   | 25                   |
| 08353E 4317N                            | 2469-04243        | 00000/0000                   | 2-20024/1529                | 05/05/76         | 50                  | 6532            | 53.4         | 128.5        | GGGG                               |                     |                      | 156                   | 30                   |
| 08352E 5307N                            | 2472-04384        | 00000/0000                   | 2-20024/1824                | 05/08/76         | 60                  | 6574            | 48.9         | 141.4        | GGGG                               |                     |                      | 159                   | 23                   |
| 08352E 5015N                            | 2687-04271        | 00000/0000                   | 2-20037/0488                | 12/09/76         | 10                  | 9572            | 13.0         | 154.2        | GGGG                               |                     |                      | 158                   | 25                   |
| 08352E 1303N                            | 2453-03590        | 00000/0000                   | 2-20024/0963                | 04/29/76         | 30                  | 6448            | 55.4         | 83.3         | GGGG                               |                     |                      | 150                   | 51                   |
| 08351E 5545N                            | 2491-04431        | 00000/0000                   | 2-20026/0332                | 05/27/76         | 10                  | 6839            | 51.0         | 142.2        | GGGG                               |                     |                      | 160                   | 21                   |
| 08351E 5021N                            | 2579-04305        | 00000/0000                   | 2-20032/0319                | 08/23/76         | 20                  | 8066            | 44.4         | 138.4        | GGGG                               |                     |                      | 158                   | 25                   |
| 08351E 3012N                            | 2664-04052        | 00000/0000                   | 2-20034/0777                | 11/16/76         | 10                  | 9251            | 32.7         | 144.7        | FGGG                               |                     |                      | 153                   | 39                   |
| 08350E 5545N                            | 2527-04421        | 00000/0000                   | 2-20028/0532                | 07/02/76         | 70                  | 7341            | 51.9         | 138.3        | GGGG                               |                     |                      | 160                   | 21                   |
| 08350E 5545N                            | 2545-04414        | 00000/0000                   | 2-20029/0045                | 07/20/76         | 80                  | 7592            | 49.5         | 138.9        | FGGG                               |                     |                      | 160                   | 21                   |
| 08350E 5309N                            | 2724-04303        | 00000/0000                   | 2-20039/0002                | 01/15/77         | 10                  | 88              | 11.0         | 150.9        | FGGF                               |                     |                      | 159                   | 23                   |
| 08349E 5310N                            | 2580-04355        | 00000/0000                   | 2-20030/1788                | 08/24/76         | 10                  | 8080            | 42.4         | 141.8        | GGGG                               |                     |                      | 159                   | 23                   |
| 08349E 5016N                            | 2561-04313        | 00000/0000                   | 2-20030/0846                | 08/05/76         | 50                  | 7815            | 49.0         | 133.8        | GGGG                               |                     |                      | 158                   | 25                   |
| 08349E 4314N                            | 2433-04253        | 00000/0000                   | 2-20027/0796                | 03/30/76         | 0                   | 6030            | 42.0         | 136.5        | FGGG                               |                     |                      | 156                   | 30                   |
| 08349E 4312N                            | 2703-04171        | 00000/0000                   | 2-20038/0127                | 12/25/76         | 0                   | 9795            | 17.2         | 149.5        | FGGG                               |                     |                      | 156                   | 30                   |
| 08349E 0712N                            | 2408-03564        | 00000/0000                   | 2-20021/1100                | 03/05/76         | 30                  | 5681            | 48.1         | 107.4        | GGGG                               |                     |                      | 149                   | 55                   |
| 08348E 5541N                            | 2509-04424        | 00000/0000                   | 2-20026/1601                | 06/14/76         | 0                   | 7090            | 52.6         | 139.6        | GGGP                               |                     |                      | 160                   | 21                   |
| 08348E 5304N                            | 2688-04320        | 00000/0000                   | 2-20037/0521                | 12/10/76         | 60                  | 9586            | 10.6         | 155.4        | FGG                                |                     |                      | 159                   | 23                   |
| 08348E 5008N                            | 2543-04320        | 00000/0000                   | 2-20028/1896                | 07/18/76         | 80                  | 7564            | 52.7         | 130.5        | GGGG                               |                     |                      | 158                   | 25                   |
| 08348E 4315N                            | 2451-04250        | 00000/0000                   | 2-20023/0329                | 04/17/76         | 40                  | 6281            | 48.3         | 132.9        | GGGG                               |                     |                      | 156                   | 30                   |
| 08348E 4315N                            | 2721-04162        | 00000/0000                   | 2-20038/0967                | 01/12/77         | 30                  | 46              | 17.9         | 146.8        | GGGG                               |                     |                      | 156                   | 30                   |
| 08348E 2436N                            | 2699-03594        | 00000/0000                   | 2-20037/1153                | 12/21/76         | 30                  | 9739            | 30.8         | 141.4        | GGGG                               |                     |                      | 152                   | 43                   |
| 08348E 2435N                            | 2429-04031        | 00000/0000                   | 2-20022/0671                | 03/26/76         | 0                   | 5974            | 49.1         | 117.6        | GGGG                               |                     |                      | 152                   | 43                   |
| 08348E 1301N                            | 2697-03514        | 00000/0000                   | 2-20038/0304                | 12/19/76         | 60                  | 9711            | 38.3         | 134.6        | GGGF                               |                     |                      | 150                   | 51                   |
| 08347E 5008N                            | 2507-04330        | 00000/0000                   | 2-20026/1376                | 06/12/76         | 80                  | 7062            | 55.4         | 131.0        | GGGG                               |                     |                      | 158                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0884

| PRINCIPAL POINT<br>OF IMAGE | LAT   | LONG | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 08347E                      | 5007N |      | 2669-04280        | 00000/0000 2-20036/0511                 | 11/21/76         | 10                  | 9321            | 16.3         | 154.9        | GGGG                  |                     |                      |                       |                      |
| 08347E                      | 2433N |      | 2681-04003        | 00000/0000 2-20037/0036                 | 12/03/76         | 30                  | 9488            | 33.1         | 142.4        | GGGG                  |                     |                      | 158                   | 25                   |
| 08347E                      | 1302N |      | 2715-03510        | 00000/0000 2-20038/0848                 | 01/06/77         | 60                  | 9962            | 37.2         | 132.0        | GGGG                  |                     |                      | 152                   | 43                   |
| 08347E                      | 0707N |      | 2372-03573        | 00000/0000 2-20020/0532                 | 01/29/76         | 20                  | 5179            | 43.1         | 123.2        | GGGG                  |                     |                      | 150                   | 51                   |
| 08346E                      | 4309N |      | 2635-04175        | 00000/0000 2-20036/1809                 | 12/07/76         | 0                   | 9544            | 18.8         | 151.2        | GGGG                  |                     |                      | 149                   | 55                   |
| 08346E                      | 3439N |      | 2719-04073        | 00000/0000 2-20032/1159                 | 01/10/77         | 30                  | 18              | 23.8         | 143.3        | GGGG                  |                     |                      | 156                   | 30                   |
| 08346E                      | 2435N |      | 2717-03590        | 00000/0000 2-20038/1054                 | 01/08/77         | 0                   | 9990            | 30.3         | 138.6        | GGGG                  |                     |                      | 154                   | 36                   |
| 08346E                      | 1300N |      | 2679-03523        | 00000/0000 2-20036/1718                 | 12/01/76         | 30                  | 9460            | 40.9         | 134.8        | GGGG                  |                     |                      | 152                   | 43                   |
| 08345E                      | 4306N |      | 2415-04261        | 00000/0000 2-20021/1510                 | 03/12/76         | 10                  | 5779            | 35.3         | 139.5        | GGGG                  |                     |                      | 150                   | 51                   |
| 08345E                      | 1848N |      | 2680-03563        | 00000/0000 2-20036/1780                 | 12/02/76         | 10                  | 9474            | 37.1         | 138.9        | GGGG                  |                     |                      | 156                   | 30                   |
| 08345E                      | 1848N |      | 2716-03550        | 00000/0000 2-20038/0936                 | 01/07/77         | 10                  | 9976            | 33.9         | 135.5        | GGGG                  |                     |                      | 151                   | 47                   |
| 08345E                      | 1847N |      | 2698-03554        | 00000/0000 2-20037/1202                 | 12/20/76         | 0                   | 9725            | 34.7         | 135.3        | GGGG                  |                     |                      | 151                   | 47                   |
| 08345E                      | 1300N |      | 2409-04004        | 00000/0000 2-20021/1167                 | 03/06/76         | 10                  | 5695            | 47.1         | 113.4        | GGGG                  |                     |                      | 151                   | 47                   |
| 08344E                      | 5259N |      | 2544-04365        | 00000/0000 2-20028/1884                 | 07/19/76         | 90                  | 7578            | 51.1         | 134.8        | GGGG                  |                     |                      | 150                   | 51                   |
| 08344E                      | 5006N |      | 2525-04323        | 00000/0000 2-20028/0474                 | 06/30/76         | 60                  | 7313            | 54.9         | 129.4        | GGGG                  |                     |                      | 159                   | 23                   |
| 08344E                      | 3434N |      | 2683-04090        | 00000/0000 2-20037/0118                 | 12/05/76         | 20                  | 9516            | 25.6         | 147.5        | GGGG                  |                     |                      | 158                   | 25                   |
| 08344E                      | 2432N |      | 2393-04091        | 00000/0000 2-20021/0140                 | 02/19/76         | 0                   | 5472            | 38.7         | 130.4        | GGGG                  |                     |                      | 154                   | 36                   |
| 08344E                      | 2430N |      | 2627-04023        | 00000/0000 2-20034/0766                 | 10/10/76         | 0                   | 8735            | 45.7         | 130.5        | GGGG                  |                     |                      | 152                   | 43                   |
| 08344E                      | 2427N |      | 2411-04084        | 00000/0000 2-20021/1226                 | 03/08/76         | 10                  | 5723            | 43.8         | 124.4        | GGGG                  |                     |                      | 152                   | 43                   |
| 08344E                      | 1300N |      | 2661-03531        | 00000/0000 2-20036/0486                 | 11/13/76         | 30                  | 9209            | 44.4         | 132.0        | GGGG                  |                     |                      | 152                   | 43                   |
| 08343E                      | 5255N |      | 2670-04325        | 00000/0000 2-20036/0816                 | 11/22/76         | 10                  | 9335            | 13.9         | 156.3        | GGGG                  |                     |                      | 150                   | 51                   |
| 08343E                      | 4303N |      | 2667-04184        | 00000/0000 2-20036/0981                 | 11/19/76         | 0                   | 9293            | 22.4         | 151.5        | GGGG                  |                     |                      | 159                   | 23                   |
| 08343E                      | 3857N |      | 2720-04120        | 00000/0000 2-20038/1256                 | 01/11/77         | 90                  | 32              | 20.9         | 145.1        | GGGG                  |                     |                      | 154                   | 30                   |
| 08343E                      | 3855N |      | 2702-04124        | 00000/0000 2-20038/0486                 | 12/24/76         | 90                  | 9781            | 20.4         | 147.8        | GGGG                  |                     |                      | 155                   | 33                   |
| 08343E                      | 3429N |      | 2665-04094        | 00000/0000 2-20037/0221                 | 11/17/76         | 0                   | 9265            | 29.3         | 147.1        | GGGG                  |                     |                      | 155                   | 33                   |
| 08343E                      | 2429N |      | 2645-04020        | 00000/0000 2-20035/0094                 | 10/28/76         | 0                   | 8986            | 41.3         | 137.1        | GGGG                  |                     |                      | 154                   | 36                   |
| 08343E                      | 2425N |      | 2375-04094        | 00000/0000 2-20020/0795                 | 02/01/76         | 0                   | 5221            | 34.7         | 135.4        | GGGG                  |                     |                      | 152                   | 43                   |
| 08342E                      | 5256N |      | 2526-04372        | 00000/0000 2-20028/0422                 | 07/01/76         | 40                  | 7327            | 53.5         | 134.0        | GGGG                  |                     |                      | 152                   | 43                   |
| 08342E                      | 5254N |      | 2508-04375        | 00000/0000 2-20026/1402                 | 06/13/76         | 0                   | 7076            | 54.1         | 135.3        | GGGG                  |                     |                      | 159                   | 23                   |
| 08342E                      | 4307N |      | 2613-04203        | 00000/0000 2-20032/1882                 | 09/26/76         | 60                  | 8540            | 38.6         | 141.8        | GGGG                  |                     |                      | 159                   | 23                   |
| 08342E                      | 1846N |      | 2662-03571        | 00000/0000 2-20036/0574                 | 11/14/76         | 10                  | 9223            | 40.8         | 136.9        | GGGG                  |                     |                      | 154                   | 30                   |
| 08341E                      | 4302N |      | 2649-04192        | 00000/0000 2-20035/0390                 | 11/01/76         | 60                  | 9042            | 27.3         | 150.0        | GGGG                  |                     |                      | 151                   | 47                   |
| 08340E                      | 3854N |      | 2684-04132        | 00000/0000 2-20037/0318                 | 12/05/76         | 0                   | 9530            | 22.2         | 149.4        | GGGG                  |                     |                      | 156                   | 30                   |
| 08335E                      | 0549N |      | 2444-03555        | 00000/0000 2-20022/1903                 | 04/10/76         | 30                  | 6183            | 52.5         | 84.5         | GGGG                  |                     |                      | 153                   | 33                   |
| 08334E                      | 0547N |      | 2480-03545        | 00000/0000 2-20025/0622                 | 05/16/76         | 30                  | 6685            | 51.9         | 66.2         | GGGG                  |                     |                      | 149                   | 56                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 08332E 4606N                | 2470-04292        | 00000/0000 2-20024/1425                 | 05/06/76         | 30                  | 6546            | 52.3         | 132.3        | GFGG                  |                     |                      | 157                   | 28                   |
| 08332E 2855N                | 2700-04041        | 00000/0000 2-20037/1242                 | 12/22/76         | 20                  | 9753            | 27.7         | 143.5        | GGGG                  |                     |                      | 153                   | 40                   |
| 08332E 2853N                | 2718-04033        | 00000/0000 2-20038/0884                 | 01/09/77         | 10                  | 4               | 27.6         | 140.7        | GGGG                  |                     |                      | 153                   | 40                   |
| 08331E 4607N                | 2452-04295        | 00000/0000 2-20024/0099                 | 04/18/76         | 30                  | 6295            | 47.1         | 136.1        | GGGG                  |                     |                      | 157                   | 28                   |
| 08331E 1136N                | 2463-03592        | 00000/0000 2-20024/0964                 | 04/29/76         | 50                  | 6448            | 54.9         | 81.3         | GGFG                  |                     |                      | 150                   | 52                   |
| 08329E 5724N                | 2456-04492        | 00000/0000 2-20024/0353                 | 04/22/76         | 10                  | 6351            | 41.3         | 148.4        | GGGG                  |                     |                      | 161                   | 20                   |
| 08329E 4603N                | 2434-04303        | 00000/0000 2-20027/1019                 | 03/31/76         | 10                  | 6044            | 40.7         | 139.0        | GGGG                  |                     |                      | 157                   | 28                   |
| 08329E 4602N                | 2704-04220        | 00000/0000 2-20038/0167                 | 12/26/76         | 0                   | 9809            | 15.0         | 150.6        | FFFG                  |                     |                      | 157                   | 28                   |
| 08329E 0545N                | 2408-03570        | 00000/0000 2-20021/1101                 | 03/05/76         | 20                  | 5681            | 48.3         | 105.8        | FGGG                  |                     |                      | 149                   | 56                   |
| 08328E 4605N                | 2722-04212        | 00000/0000 2-20038/1317                 | 01/13/77         | 20                  | 60              | 16.0         | 147.9        | GGGG                  |                     |                      | 157                   | 28                   |
| 08327E 2846N                | 2664-04054        | 00000/0000 2-20036/0778                 | 11/16/76         | 10                  | 9251            | 33.7         | 143.8        | FGGG                  |                     |                      | 153                   | 40                   |
| 08327E 0542N                | 2372-03580        | 00000/0000 2-20020/0533                 | 01/29/76         | 50                  | 5179            | 43.7         | 121.9        | GGGG                  |                     |                      | 149                   | 56                   |
| 08326E 2310N                | 2699-04001        | 00000/0000 2-20037/1154                 | 12/21/76         | 10                  | 9739            | 31.7         | 140.7        | FGGG                  |                     |                      | 152                   | 44                   |
| 08326E 2308N                | 2429-04083        | 00000/0000 2-20022/0672                 | 03/26/76         | 0                   | 5974            | 49.5         | 115.8        | GGGG                  |                     |                      | 152                   | 44                   |
| 08325E 4558N                | 2686-04224        | 00000/0000 2-20037/0429                 | 12/08/76         | 10                  | 9558            | 16.5         | 152.4        | FGGG                  |                     |                      | 157                   | 28                   |
| 08325E 2307N                | 2681-04005        | 00000/0000 2-20037/0037                 | 12/03/76         | 10                  | 9488            | 34.1         | 141.6        | GGGG                  |                     |                      | 152                   | 44                   |
| 08325E 1134N                | 2409-04010        | 00000/0000 2-20021/1168                 | 03/06/76         | 30                  | 5695            | 47.5         | 111.8        | FGGF                  |                     |                      | 150                   | 52                   |
| 08324E 5721N                | 2474-04485        | 00000/0000 2-20025/0002                 | 05/10/76         | 0                   | 6602            | 46.7         | 146.6        | GGGG                  |                     |                      | 161                   | 20                   |
| 08324E 4559N                | 2614-04283        | 00000/0000 2-20034/0068                 | 09/27/76         | 90                  | 8554            | 36.4         | 144.5        | GGGG                  |                     |                      | 157                   | 28                   |
| 08324E 2308N                | 2717-03593        | 00000/0000 2-20038/1055                 | 01/08/77         | 0                   | 9990            | 31.2         | 137.9        | FGGG                  |                     |                      | 152                   | 44                   |
| 08324E 1722N                | 2716-03552        | 00000/0000 2-20038/0937                 | 01/07/77         | 10                  | 9976            | 34.7         | 134.6        | GGGG                  |                     |                      | 151                   | 48                   |
| 08324E 1720N                | 2698-03561        | 00000/0000 2-20037/1203                 | 12/20/76         | 20                  | 9725            | 35.6         | 137.4        | FGGG                  |                     |                      | 151                   | 48                   |
| 08324E 1134N                | 2681-03534        | 00000/0000 2-20036/0487                 | 11/13/76         | 30                  | 9209            | 45.1         | 130.7        | GGGG                  |                     |                      | 150                   | 52                   |
| 08323E 4557N                | 2542-04273        | 00000/0000 2-20028/1643                 | 07/17/76         | 20                  | 7550            | 54.6         | 123.8        | GGGG                  |                     |                      | 157                   | 28                   |
| 08323E 4552N                | 2506-04283        | 00000/0000 2-20026/1681                 | 06/11/76         | 50                  | 7048            | 57.2         | 124.0        | GGGG                  |                     |                      | 157                   | 28                   |
| 08322E 5720N                | 2438-04495        | 00000/0000 2-20022/1235                 | 04/04/76         | 0                   | 6100            | 34.9         | 149.5        | GGGG                  |                     |                      | 161                   | 20                   |
| 08322E 4553N                | 2668-04233        | 00000/0000 2-20036/1018                 | 11/20/76         | 0                   | 9307            | 19.9         | 152.9        | GGGG                  |                     |                      | 157                   | 28                   |
| 08322E 4152N                | 2469-04245        | 00000/0000 2-20024/1530                 | 05/05/76         | 20                  | 6532            | 54.0         | 126.4        | GGGG                  |                     |                      | 156                   | 31                   |
| 08322E 2305N                | 2393-04094        | 00000/0000 2-20021/0141                 | 02/19/76         | 0                   | 5472            | 39.4         | 129.2        | FGGF                  |                     |                      | 152                   | 44                   |
| 08322E 2304N                | 2627-04030        | 00000/0000 2-20034/0767                 | 10/10/76         | 0                   | 8735            | 46.4         | 129.1        | GGGG                  |                     |                      | 152                   | 44                   |
| 08322E 2301N                | 2411-04091        | 00000/0000 2-20021/1227                 | 03/08/76         | 10                  | 5723            | 44.4         | 123.0        | GGGF                  |                     |                      | 152                   | 44                   |
| 08321E 5718N                | 2564-04463        | 00000/0000 2-20030/0942                 | 08/08/76         | 40                  | 7857            | 44.3         | 143.5        | GGGG                  |                     |                      | 161                   | 20                   |
| 08321E 4550N                | 2524-04280        | 00000/0000 2-20028/0370                 | 06/29/76         | 50                  | 7299            | 56.7         | 122.3        | GGGG                  |                     |                      | 157                   | 28                   |
| 08320E 5711N                | 2492-04483        | 00000/0000 2-20024/0239                 | 05/28/76         | 90                  | 6853            | 50.3         | 144.1        | GGGG                  |                     |                      | 161                   | 20                   |
| 08320E 4552N                | 2650-04241        | 00000/0000 2-20035/0435                 | 11/02/76         | 10                  | 9056            | 24.8         | 151.7        | GGGG                  |                     |                      | 157                   | 28                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NSN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM REEL NO.,<br>POSITION IN REEL<br>RBV MSS | DATE<br>ACQUIRED | CLBD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08320E 3313N                            | 2719-04075        | 00000/0000 2-20038/1160                            | 01/10/77         | 20                 | 18              | 24.7         | 142.6        | GGGG                               |                     |                      | 154                   | 37                   |
| 08320E 2302N                            | 2645-04022        | 00000/0000 2-20035/0095                            | 10/28/76         | 0                  | 8986            | 42.2         | 136.0        | GGGG                               |                     |                      | 152                   | 44                   |
| 08320E 1719N                            | 2662-03574        | 00000/0000 2-20036/0575                            | 11/14/76         | 10                 | 9223            | 41.7         | 135.8        | GGGG                               |                     |                      | 151                   | 48                   |
| 08318E 4146N                            | 2703-04173        | 00000/0000 2-20038/0128                            | 12/25/76         | 0                  | 9795            | 18.3         | 148.9        | FFFF                               |                     |                      | 156                   | 31                   |
| 08318E 3308N                            | 2683-04092        | 00000/0000 2-20037/0119                            | 12/05/76         | 20                 | 9516            | 26.7         | 146.8        | GGGG                               |                     |                      | 154                   | 37                   |
| 08317E 5721N                            | 2582-04460        | 00000/0000 2-20037/0133                            | 08/26/76         | 10                 | 8108            | 39.1         | 147.0        | GGGG                               |                     |                      | 161                   | 20                   |
| 08317E 4859N                            | 2453-04344        | 00000/0000 2-20024/0102                            | 04/19/76         | 90                 | 6309            | 45.8         | 139.2        | GGGG                               |                     |                      | 158                   | 26                   |
| 08317E 4855N                            | 2705-04265        | 00000/0000 2-20038/0206                            | 12/27/76         | 0                  | 9823            | 12.8         | 151.7        | GGGG                               |                     |                      | 158                   | 26                   |
| 08317E 4149N                            | 2451-04252        | 00000/0000 2-20023/0330                            | 04/17/76         | 70                 | 6281            | 49.0         | 131.2        | GGGG                               |                     |                      | 156                   | 31                   |
| 08317E 4149N                            | 2721-04165        | 00000/0000 2-20038/0968                            | 01/12/77         | 40                 | 46              | 18.9         | 146.2        | FGGG                               |                     |                      | 156                   | 31                   |
| 08317E 3304N                            | 2665-04101        | 00000/0000 2-20037/0222                            | 11/17/76         | 0                  | 9265            | 30.4         | 146.4        | GGGG                               |                     |                      | 154                   | 37                   |
| 08316E 5710N                            | 2546-04470        | 00000/0000 2-20028/1596                            | 07/21/76         | 80                 | 7606            | 48.5         | 141.0        | GGGG                               |                     |                      | 161                   | 20                   |
| 08315E 4852N                            | 2471-04342        | 00000/0000 2-20024/1723                            | 05/07/76         | 0                  | 6560            | 51.1         | 135.9        | FGGG                               |                     |                      | 158                   | 26                   |
| 08315E 4143N                            | 2685-04182        | 00000/0000 2-20036/1810                            | 12/07/76         | 0                  | 9544            | 19.9         | 150.6        | FGGG                               |                     |                      | 156                   | 31                   |
| 08315E 4141N                            | 2415-04263        | 00000/0000 2-20021/1511                            | 03/12/76         | 20                 | 5779            | 36.2         | 138.4        | FFFF                               |                     |                      | 156                   | 31                   |
| 08315E 3729N                            | 2702-04130        | 00000/0000 2-20038/0487                            | 12/24/76         | 90                 | 9781            | 21.5         | 147.2        | GGGG                               |                     |                      | 155                   | 34                   |
| 08315E 0422N                            | 2444-03562        | 00000/0000 2-20022/1904                            | 04/10/76         | 30                 | 6183            | 52.1         | 82.6         | GGGF                               |                     |                      | 149                   | 57                   |
| 08315E 0420N                            | 2480-03552        | 00000/0000 2-20025/0623                            | 05/16/76         | 30                 | 6685            | 51.1         | 64.6         | GGGG                               |                     |                      | 149                   | 57                   |
| 08314E 4855N                            | 2723-04261        | 00000/0000 2-20038/1384                            | 01/14/77         | 40                 | 74              | 14.0         | 149.0        | GGGG                               |                     |                      | 158                   | 26                   |
| 08314E 4851N                            | 2687-04273        | 00000/0000 2-20037/0489                            | 12/09/76         | 0                  | 9572            | 14.1         | 153.6        | GGGG                               |                     |                      | 158                   | 26                   |
| 08314E 3731N                            | 2720-04122        | 00000/0000 2-20038/1257                            | 01/11/77         | 70                 | 32              | 21.9         | 144.4        | FFGF                               |                     |                      | 155                   | 34                   |
| 08313E 5707N                            | 2528-04473        | 00000/0000 2-20028/0602                            | 07/03/76         | 60                 | 7355            | 51.1         | 140.4        | GGGG                               |                     |                      | 161                   | 20                   |
| 08313E 4856N                            | 2579-04312        | 00000/0000 2-20032/0320                            | 08/23/76         | 10                 | 8066            | 45.2         | 136.8        | GGGG                               |                     |                      | 158                   | 26                   |
| 08313E 4853N                            | 2597-04305        | 00000/0000 2-20032/1064                            | 09/10/76         | 30                 | 8317            | 39.9         | 142.1        | GGGG                               |                     |                      | 158                   | 26                   |
| 08312E 5704N                            | 2510-04450        | 00000/0000 2-20024/1633                            | 06/15/76         | 0                  | 7104            | 51.8         | 141.6        | GGGG                               |                     |                      | 161                   | 20                   |
| 08312E 4138N                            | 2667-04190        | 00000/0000 2-20036/0982                            | 11/19/76         | 10                 | 9293            | 23.5         | 150.8        | GGGG                               |                     |                      | 156                   | 31                   |
| 08312E 3727N                            | 2684-04135        | 00000/0000 2-20037/0319                            | 12/06/76         | 0                  | 9530            | 23.3         | 148.8        | PPPF                               |                     |                      | 155                   | 34                   |
| 08311E 4852N                            | 2561-04315        | 00000/0000 2-20038/0847                            | 08/05/76         | 30                 | 7815            | 49.8         | 131.9        | GGGG                               |                     |                      | 158                   | 26                   |
| 08311E 4846N                            | 2489-04335        | 00000/0000 2-20026/0036                            | 05/25/76         | 100                | 6811            | 54.6         | 132.0        | FGGG                               |                     |                      | 158                   | 26                   |
| 08311E 4142N                            | 2613-04210        | 00000/0000 2-20032/1883                            | 09/26/76         | 60                 | 8540            | 39.5         | 140.6        | GGGG                               |                     |                      | 154                   | 31                   |
| 08311E 1010N                            | 2463-03595        | 00000/0000 2-20024/0965                            | 04/29/76         | 60                 | 6448            | 54.5         | 79.3         | GGGG                               |                     |                      | 150                   | 53                   |
| 08310E 4844N                            | 2543-04322        | 00000/0000 2-20028/1844                            | 07/18/76         | 70                 | 7564            | 53.3         | 128.3        | G                                  |                     |                      | 158                   | 26                   |
| 08309E 5143N                            | 2472-04331        | 00000/0000 2-20024/1825                            | 05/08/76         | 80                 | 6574            | 49.7         | 139.3        | GGGG                               |                     |                      | 159                   | 24                   |
| 08309E 4842N                            | 2669-04282        | 00000/0000 2-20036/0512                            | 11/21/76         | 0                  | 9321            | 17.5         | 154.2        | GGGG                               |                     |                      | 158                   | 26                   |
| 08309E 4137N                            | 2649-04194        | 00000/0000 2-20035/0391                            | 11/01/76         | 70                 | 9042            | 28.4         | 149.2        | GGGG                               |                     |                      | 156                   | 31                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08309E 2728N                            | 2430-04130        | 00000/0000 2-20022/0716                            | 03/27/76         | 10                  | 5988            | 48.4         | 120.6        | GGGG                               |                     |                      | 153                   | 41                   |
| 08309E 0418N                            | 2408-03573        | 00000/0000 2-20021/1102                            | 03/05/76         | 30                  | 5681            | 48.4         | 104.1        | GGGG                               |                     |                      | 149                   | 57                   |
| 08308E 5435N                            | 2581-04410        | 00000/0000 2-20032/0118                            | 08/25/76         | 10                  | 8094            | 41.2         | 143.7        | GGGG                               |                     |                      | 160                   | 22                   |
| 08308E 5430N                            | 2473-04440        | 00000/0000 2-20024/1863                            | 05/09/76         | 0                   | 6588            | 48.3         | 143.0        | GGGG                               |                     |                      | 160                   | 22                   |
| 08308E 4843N                            | 2507-04332        | 00000/0000 2-20024/1377                            | 06/12/76         | 90                  | 7062            | 56.1         | 128.6        | GGGG                               |                     |                      | 158                   | 26                   |
| 08308E 2728N                            | 2700-04044        | 00000/0000 2-20037/1243                            | 12/22/76         | 10                  | 9753            | 28.7         | 142.8        | FGGG                               |                     |                      | 153                   | 41                   |
| 08308E 2725N                            | 2682-04052        | 00000/0000 2-20036/1894                            | 12/04/76         | 10                  | 9502            | 31.0         | 144.0        | PPPF                               |                     |                      | 153                   | 41                   |
| 08307E 5144N                            | 2724-04310        | 00000/0000 2-20039/0003                            | 01/15/77         | 10                  | 88              | 12.1         | 150.2        | GGFG                               |                     |                      | 159                   | 24                   |
| 08307E 0415N                            | 2372-03582        | 00000/0000 2-20020/0534                            | 01/29/76         | 30                  | 5179            | 44.2         | 120.6        | GGGG                               |                     |                      | 149                   | 57                   |
| 08306E 5145N                            | 2580-04361        | 00000/0000 2-20030/1789                            | 08/24/76         | 40                  | 8080            | 43.3         | 140.3        | GGGG                               |                     |                      | 159                   | 24                   |
| 08306E 4841N                            | 2525-04325        | 00000/0000 2-20028/0475                            | 06/30/76         | 10                  | 7313            | 55.5         | 127.1        | GGFF                               |                     |                      | 158                   | 26                   |
| 08305E 5429N                            | 2563-04414        | 00000/0000 2-20030/0918                            | 08/07/76         | 80                  | 7843            | 46.3         | 139.7        | GGGG                               |                     |                      | 160                   | 22                   |
| 08305E 5139N                            | 2688-04323        | 00000/0000 2-20037/0522                            | 12/10/76         | 30                  | 9586            | 11.8         | 154.8        | FFGF                               |                     |                      | 159                   | 24                   |
| 08305E 1007N                            | 2409-04013        | 00000/0000 2-20021/1169                            | 03/06/76         | 20                  | 5695            | 47.8         | 110.2        | GGFF                               |                     |                      | 150                   | 53                   |
| 08304E 5421N                            | 2491-04433        | 00000/0000 2-20026/0333                            | 05/27/76         | 10                  | 6839            | 51.9         | 140.1        | GGGG                               |                     |                      | 160                   | 22                   |
| 08304E 2722N                            | 2394-04141        | 00000/0000 2-20021/0248                            | 02/20/76         | 0                   | 5486            | 37.4         | 132.3        | FGGG                               |                     |                      | 153                   | 41                   |
| 08304E 2720N                            | 2664-04061        | 00000/0000 2-20036/0779                            | 11/16/76         | 10                  | 9251            | 34.7         | 143.0        | FGGF                               |                     |                      | 153                   | 41                   |
| 08304E 2142N                            | 2429-04090        | 00000/0000 2-20022/0673                            | 03/26/76         | 0                   | 5974            | 49.9         | 114.1        | GGGG                               |                     |                      | 152                   | 45                   |
| 08304E 1008N                            | 2661-03540        | 00000/0000 2-20036/0488                            | 11/13/76         | 40                  | 9209            | 45.9         | 129.4        | GGGG                               |                     |                      | 150                   | 53                   |
| 08303E 5422N                            | 2527-04424        | 00000/0000 2-20028/0533                            | 07/02/76         | 30                  | 7341            | 52.7         | 136.2        | GGGG                               |                     |                      | 160                   | 22                   |
| 08303E 5422N                            | 2671-04380        | 00000/0000 2-20036/1168                            | 11/23/76         | 60                  | 9349            | 12.5         | 157.1        | GGGF                               |                     |                      | 160                   | 22                   |
| 08303E 5420N                            | 2545-04421        | 00000/0000 2-20029/0046                            | 07/20/76         | 60                  | 7592            | 50.2         | 136.9        | GGGG                               |                     |                      | 160                   | 22                   |
| 08303E 2720N                            | 2646-04065        | 00000/0000 2-20035/0207                            | 10/29/76         | 0                   | 9000            | 39.2         | 139.6        | G GG                               |                     |                      | 153                   | 41                   |
| 08303E 2716N                            | 2376-04143        | 00000/0000 2-20020/0780                            | 02/02/76         | 20                  | 5235            | 33.2         | 137.0        | GGGG                               |                     |                      | 153                   | 41                   |
| 08303E 2143N                            | 2699-04003        | 00000/0000 2-20037/1155                            | 12/21/76         | 10                  | 9739            | 32.7         | 139.9        | FGGG                               |                     |                      | 152                   | 45                   |
| 08303E 1555N                            | 2716-03555        | 00000/0000 2-20038/0938                            | 01/07/77         | 20                  | 9976            | 35.6         | 133.7        | GGGG                               |                     |                      | 151                   | 49                   |
| 08303E 1554N                            | 2698-03563        | 00000/0000 2-20037/1204                            | 12/20/76         | 30                  | 9725            | 36.5         | 136.5        | GGGG                               |                     |                      | 151                   | 49                   |
| 08302E 2141N                            | 2681-04012        | 00000/0000 2-20037/0038                            | 12/03/76         | 10                  | 9488            | 35.1         | 140.7        | GGGG                               |                     |                      | 152                   | 45                   |
| 08302E 2141N                            | 2717-03595        | 00000/0000 2-20038/1056                            | 01/08/77         | 0                   | 9990            | 32.1         | 137.0        | FGGG                               |                     |                      | 152                   | 45                   |
| 08302E 1555N                            | 2680-03572        | 00000/0000 2-20036/1781                            | 12/02/76         | 30                  | 9474            | 38.9         | 137.0        | GGGG                               |                     |                      | 151                   | 49                   |
| 08301E 5417N                            | 2509-04431        | 00000/0000 2-20026/1602                            | 06/14/76         | 0                   | 7090            | 53.4         | 137.4        | GGGG                               |                     |                      | 160                   | 22                   |
| 08301E 5134N                            | 2544-04372        | 00000/0000 2-20028/1885                            | 07/19/76         | 60                  | 7578            | 51.8         | 132.7        | GGGG                               |                     |                      | 159                   | 24                   |
| 08301E 5130N                            | 2670-04331        | 00000/0000 2-20036/0817                            | 11/22/76         | 20                  | 9335            | 15.0         | 155.6        | FFGF                               |                     |                      | 159                   | 24                   |
| 08300E 5132N                            | 2526-04375        | 00000/0000 2-20028/0423                            | 07/01/76         | 50                  | 7327            | 54.2         | 131.7        | GGGG                               |                     |                      | 159                   | 24                   |
| 08300E 2139N                            | 2393-04100        | 00000/0000 2-20021/0142                            | 02/19/76         | 0                   | 5472            | 40.1         | 128.1        | FGGG                               |                     |                      | 152                   | 45                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08300E                                  | 1552N             | 2662-03580                   | 00000/0000                  | 2-20036/0576     | 11/14/76            | 20              | 9223         | 42.5         | 134.6                              | GGGG                |                      | 151                   | 49                   |
| 08259E                                  | 5130N             | 2508-04382                   | 00000/0000                  | 2-20026/1403     | 06/13/76            | 10              | 7076         | 54.8         | 133.1                              | GGGG                |                      | 159                   | 24                   |
| 08259E                                  | 2138N             | 2627-04032                   | 00000/0000                  | 2-20034/0768     | 10/10/76            | 0               | 8735         | 47.1         | 127.6                              | GGGG                |                      | 152                   | 45                   |
| 08259E                                  | 2137N             | 2663-04020                   | 00000/0000                  | 2-20036/0672     | 11/15/76            | 0               | 9237         | 38.8         | 139.1                              | GGGG                |                      | 152                   | 45                   |
| 08259E                                  | 2134N             | 2411-04093                   | 00000/0000                  | 2-20021/1228     | 03/08/76            | 0               | 5723         | 45.0         | 121.6                              | GGGG                |                      | 152                   | 45                   |
| 08258E                                  | 4442N             | 2452-04302                   | 00000/0000                  | 2-20024/0100     | 04/18/76            | 90              | 6295         | 47.9         | 134.4                              | FGGG                |                      | 157                   | 29                   |
| 08258E                                  | 4441N             | 2470-04295                   | 00000/0000                  | 2-20024/1426     | 05/06/76            | 40              | 6546         | 53.0         | 130.3                              | GFGG                |                      | 157                   | 29                   |
| 08258E                                  | 2135N             | 2645-04025                   | 00000/0000                  | 2-20035/0096     | 10/28/76            | 0               | 8986         | 43.0         | 134.8                              | GGGG                |                      | 152                   | 45                   |
| 08258E                                  | 2133N             | 2375-04103                   | 00000/0000                  | 2-20020/0796     | 02/01/76            | 0               | 5221         | 36.4         | 133.5                              | GGGG                |                      | 152                   | 45                   |
| 08255E                                  | 4438N             | 2434-04305                   | 00000/0000                  | 2-20022/1020     | 03/31/76            | 10              | 6044         | 41.6         | 137.7                              | GGGG                |                      | 157                   | 29                   |
| 08255E                                  | 3147N             | 2719-04082                   | 00000/0000                  | 2-20038/1161     | 01/10/77            | 50              | 18           | 25.7         | 141.9                              | FGGG                |                      | 154                   | 38                   |
| 08254E                                  | 4440N             | 2722-04214                   | 00000/0000                  | 2-20038/1318     | 01/13/77            | 30              | 60           | 17.0         | 147.3                              | GGGG                |                      | 157                   | 29                   |
| 08253E                                  | 3142N             | 2683-04095                   | 00000/0000                  | 2-20037/0120     | 12/05/76            | 10              | 9516         | 27.7         | 146.1                              | GGGG                |                      | 154                   | 38                   |
| 08251E                                  | 4434N             | 2686-04231                   | 00000/0000                  | 2-20037/0430     | 12/08/76            | 10              | 9558         | 17.6         | 151.8                              | GGGG                |                      | 157                   | 29                   |
| 08251E                                  | 3139N             | 2665-04103                   | 00000/0000                  | 2-20037/0223     | 11/17/76            | 10              | 9265         | 31.4         | 145.6                              | GGGG                |                      | 154                   | 38                   |
| 08250E                                  | 4433N             | 2614-04255                   | 00000/0000                  | 2-20034/0069     | 09/27/76            | 70              | 8554         | 37.3         | 143.3                              | GGGG                |                      | 157                   | 29                   |
| 08250E                                  | 4432N             | 2542-04280                   | 00000/0000                  | 2-20028/1644     | 07/17/76            | 40              | 7550         | 55.1         | 121.5                              | GGGG                |                      | 157                   | 29                   |
| 08250E                                  | 4427N             | 2506-04290                   | 00000/0000                  | 2-20026/1682     | 06/11/76            | 40              | 7048         | 57.7         | 121.5                              | GGGG                |                      | 157                   | 29                   |
| 08249E                                  | 4429N             | 2632-04252                   | 00000/0000                  | 2-20034/0624     | 10/15/76            | 10              | 8805         | 31.5         | 147.9                              | FGGG                |                      | 157                   | 29                   |
| 08249E                                  | 0842N             | 2481-03595                   | 00000/0000                  | 2-20025/0688     | 05/17/76            | 30              | 6699         | 53.3         | 69.2                               | FGGG                |                      | 150                   | 54                   |
| 08248E                                  | 4427N             | 2668-04235                   | 00000/0000                  | 2-20036/1019     | 11/20/76            | 0               | 9307         | 21.0         | 152.2                              | GGGG                |                      | 157                   | 29                   |
| 08248E                                  | 4425N             | 2524-04283                   | 00000/0000                  | 2-20028/0371     | 06/29/76            | 50              | 7299         | 57.1         | 119.9                              | GGGG                |                      | 157                   | 29                   |
| 08248E                                  | 0844N             | 2445-04004                   | 00000/0000                  | 2-20022/1659     | 04/11/76            | 20              | 6197         | 53.2         | 87.7                               | GGGG                |                      | 150                   | 54                   |
| 08247E                                  | 4427N             | 2650-04244                   | 00000/0000                  | 2-20035/0436     | 11/02/76            | 30              | 9056         | 25.9         | 150.9                              | FGGG                |                      | 157                   | 29                   |
| 08247E                                  | 4021N             | 2703-04180                   | 00000/0000                  | 2-20038/0129     | 12/25/76            | 60              | 9795         | 19.3         | 148.3                              | FFFF                |                      | 156                   | 32                   |
| 08247E                                  | 3605N             | 2720-04125                   | 00000/0000                  | 2-20038/1258     | 01/11/77            | 70              | 32           | 22.8         | 143.8                              | FGGF                |                      | 153                   | 35                   |
| 08247E                                  | 3603N             | 2702-04133                   | 00000/0000                  | 2-20038/0488     | 12/24/76            | 80              | 9781         | 22.5         | 146.6                              | GGGG                |                      | 155                   | 35                   |
| 08247E                                  | 0842N             | 2571-03572                   | 00000/0000                  | 2-20030/1300     | 08/15/76            | 30              | 7954         | 51.5         | 78.4                               | FFFF                |                      | 150                   | 54                   |
| 08246E                                  | 4023N             | 2721-04171                   | 00000/0000                  | 2-20038/0969     | 01/12/77            | 50              | 46           | 19.9         | 145.5                              | FGFG                |                      | 156                   | 32                   |
| 08245E                                  | 4018N             | 2685-04184                   | 00000/0000                  | 2-20036/1811     | 12/07/76            | 10              | 9544         | 21.0         | 150.0                              | PFGG                |                      | 156                   | 32                   |
| 08245E                                  | 3601N             | 2684-04141                   | 00000/0000                  | 2-20037/0320     | 12/06/76            | 0               | 9530         | 24.4         | 148.1                              | PFPP                |                      | 155                   | 35                   |
| 08245E                                  | 2602N             | 2430-04133                   | 00000/0000                  | 2-20022/0717     | 03/27/76            | 10              | 5988         | 48.9         | 118.9                              | GGGG                |                      | 153                   | 42                   |
| 08245E                                  | 2602N             | 2700-04050                   | 00000/0000                  | 2-20037/1244     | 12/22/76            | 10              | 9753         | 29.7         | 142.1                              | GGGG                |                      | 153                   | 42                   |
| 08245E                                  | 2601N             | 2718-04042                   | 00000/0000                  | 2-20038/0907     | 01/09/77            | 10              | 4            | 29.4         | 139.2                              | P                   |                      | 153                   | 42                   |
| 08244E                                  | 2559N             | 2682-04055                   | 00000/0000                  | 2-20036/1895     | 12/04/76            | 0               | 9502         | 32.0         | 143.2                              | PPFP                |                      | 153                   | 42                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08244E 0840N                            | 2409-04015        | 00000/0000                   | 2-20021/1170                | 03/06/76         | 10                  | 5695            | 48.0         | 108.5        | FGFF                               |                     |                      | 150                   | 54                   |
| 08243E 2016N                            | 2429-04092        | 00000/0000                   | 2-20022/0674                | 03/26/76         | 0                   | 5974            | 50.3         | 112.3        | GGG                                |                     |                      | 152                   | 46                   |
| 08242E 4013N                            | 2667-04193        | 00000/0000                   | 2-20036/0983                | 11/19/76         | 10                  | 9253            | 24.5         | 150.1        | GGGG                               |                     |                      | 156                   | 22                   |
| 08242E 2017N                            | 2699-04010        | 00000/0000                   | 2-20037/1156                | 12/21/76         | 10                  | 9739            | 33.6         | 139.0        | GGGG                               |                     |                      | 152                   | 46                   |
| 08242E 1428N                            | 2716-03561        | 00000/0000                   | 2-20038/0939                | 01/07/77         | 50                  | 9976            | 36.4         | 132.8        | GGGG                               |                     |                      | 151                   | 50                   |
| 08242E 1427N                            | 2698-03570        | 00000/0000                   | 2-20037/1205                | 12/20/76         | 40                  | 9725            | 37.3         | 135.5        | GGGG                               |                     |                      | 151                   | 50                   |
| 08242E 0836N                            | 2391-04022        | 00000/0000                   | 2-20020/1475                | 02/17/76         | 10                  | 5444            | 44.9         | 117.1        | GGFF                               |                     |                      | 150                   | 54                   |
| 08241E 2557N                            | 2394-04143        | 00000/0000                   | 2-20021/0249                | 02/20/76         | 0                   | 5486            | 38.2         | 131.2        | FGGG                               |                     |                      | 153                   | 42                   |
| 08241E 2554N                            | 2664-04063        | 00000/0000                   | 2-20036/0780                | 11/16/76         | 0                   | 9251            | 35.7         | 142.1        | FGFG                               |                     |                      | 153                   | 42                   |
| 08241E 1429N                            | 2680-03574        | 00000/0000                   | 2-20036/1782                | 12/02/76         | 20                  | 9474            | 39.8         | 135.9        | GGGG                               |                     |                      | 151                   | 50                   |
| 08240E 4734N                            | 2453-04351        | 00000/0000                   | 2-20024/0103                | 04/19/76         | 90                  | 6309            | 46.6         | 137.6        | GGGG                               |                     |                      | 158                   | 27                   |
| 08240E 2554N                            | 2646-04071        | 00000/0000                   | 2-20035/0220                | 10/29/76         | 0                   | 9000            | 40.2         | 138.5        | GGGG                               |                     |                      | 153                   | 42                   |
| 08240E 2551N                            | 2376-04150        | 00000/0000                   | 2-20020/0781                | 02/02/76         | 0                   | 5235            | 34.0         | 136.1        | GGGG                               |                     |                      | 153                   | 42                   |
| 08240E 2014N                            | 2681-04014        | 00000/0000                   | 2-20037/0039                | 12/03/76         | 40                  | 9488            | 36.0         | 139.8        | GGGG                               |                     |                      | 152                   | 46                   |
| 08240E 2014N                            | 2717-04002        | 00000/0000                   | 2-20038/1057                | 01/08/77         | 0                   | 9990            | 33.0         | 136.2        | GGGG                               |                     |                      | 152                   | 46                   |
| 08239E 4730N                            | 2705-04271        | 00000/0000                   | 2-20038/0207                | 12/27/76         | 0                   | 9823            | 13.9         | 151.1        | GGGG                               |                     |                      | 158                   | 27                   |
| 08239E 1425N                            | 2662-03583        | 00000/0000                   | 2-20036/0577                | 11/14/76         | 20                  | 9223            | 43.4         | 133.5        | GGGG                               |                     |                      | 151                   | 50                   |
| 08238E 4728N                            | 2435-04354        | 00000/0000                   | 2-20022/1127                | 04/01/76         | 10                  | 6058            | 40.2         | 140.3        | GGGG                               |                     |                      | 158                   | 27                   |
| 08238E 4727N                            | 2471-04344        | 00000/0000                   | 2-20024/1724                | 05/07/76         | 0                   | 6560            | 51.8         | 133.9        | GGGG                               |                     |                      | 158                   | 27                   |
| 08238E 2013N                            | 2393-04103        | 00000/0000                   | 2-20021/0143                | 02/19/76         | 0                   | 5472            | 40.8         | 126.5        | FGFG                               |                     |                      | 152                   | 46                   |
| 08237E 4730N                            | 2723-04263        | 00000/0000                   | 2-20038/1385                | 01/14/77         | 10                  | 74              | 15.1         | 148.4        | GGG                                |                     |                      | 158                   | 27                   |
| 08237E 2011N                            | 2627-04035        | 00000/0000                   | 2-20034/0769                | 10/10/76         | 10                  | 8735            | 47.8         | 126.1        | GGGG                               |                     |                      | 152                   | 46                   |
| 08237E 2010N                            | 2663-04023        | 00000/0000                   | 2-20036/0673                | 11/15/76         | 0                   | 9237            | 39.7         | 138.1        | FGFF                               |                     |                      | 152                   | 46                   |
| 08237E 2008N                            | 2411-04100        | 00000/0000                   | 2-20021/1229                | 03/08/76         | 10                  | 5723            | 45.5         | 120.1        | GGGG                               |                     |                      | 152                   | 46                   |
| 08236E 4726N                            | 2687-04230        | 00000/0000                   | 2-20037/0490                | 12/09/76         | 0                   | 9572            | 15.2         | 153.0        | GGGG                               |                     |                      | 158                   | 27                   |
| 08236E 2009N                            | 2645-04031        | 00000/0000                   | 2-20035/0097                | 10/28/76         | 0                   | 8986            | 43.9         | 133.5        | GGGG                               |                     |                      | 152                   | 46                   |
| 08236E 2007N                            | 2375-04105        | 00000/0000                   | 2-20020/0797                | 02/01/76         | 10                  | 5221            | 37.2         | 132.5        | GGGG                               |                     |                      | 152                   | 46                   |
| 08235E 4721N                            | 2489-04341        | 00000/0000                   | 2-20026/0037                | 05/25/76         | 100                 | 6811            | 55.3         | 129.8        | FGGG                               |                     |                      | 158                   | 27                   |
| 08234E 4727N                            | 2561-04322        | 00000/0000                   | 2-20030/0848                | 08/05/76         | 20                  | 7815            | 50.4         | 129.9        | GGGG                               |                     |                      | 158                   | 27                   |
| 08233E 5556N                            | 2474-04492        | 00000/0000                   | 2-20025/0003                | 05/10/76         | 0                   | 6602            | 47.6         | 144.8        | GGGG                               |                     |                      | 161                   | 21                   |
| 08233E 4720N                            | 2543-04325        | 00000/0000                   | 2-20028/1845                | 07/18/76         | 30                  | 7564            | 53.9         | 126.1        | GGGG                               |                     |                      | 158                   | 27                   |
| 08232E 5025N                            | 2454-04400        | 00000/0000                   | 2-20024/0045                | 04/20/76         | 20                  | 6323            | 45.2         | 140.7        | GGGG                               |                     |                      | 159                   | 25                   |
| 08232E 4718N                            | 2669-04286        | 00000/0000                   | 2-20036/0513                | 11/21/76         | 0                   | 9321            | 18.6         | 153.6        | GGGG                               |                     |                      | 158                   | 27                   |
| 08231E 5556N                            | 2438-04502        | 00000/0000                   | 2-20022/1236                | 04/04/76         | 0                   | 6100            | 35.9         | 148.1        | GGGG                               |                     |                      | 161                   | 21                   |
| 08230E 4717N                            | 2651-04293        | 00000/0000                   | 2-20035/0497                | 11/03/76         | 100                 | 9070            | 23.4         | 152.6        | GGGG                               |                     |                      | 158                   | 27                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08230E 4716N                            | 2633-04301        | 00000/0000 2-20034/0626                            | 10/16/76         | 60                  | 8819            | 29.1         | 149.9        | FGGG                               |                     |                      | 158                   | 27                   |
| 08230E 3020N                            | 2719-04084        | 00000/0000 2-20038/1162                            | 01/10/77         | 40                  | 18              | 26.7         | 141.2        | GGGG                               |                     |                      | 154                   | 39                   |
| 08229E 5554N                            | 2564-04465        | 00000/0000 2-20030/0943                            | 08/08/76         | 30                  | 7857            | 45.2         | 141.7        | GGGG                               |                     |                      | 161                   | 21                   |
| 08229E 5019N                            | 2472-04393        | 00000/0000 2-20024/1826                            | 05/08/76         | 50                  | 6574            | 50.5         | 137.6        | GGGG                               |                     |                      | 159                   | 25                   |
| 08229E 4721N                            | 2615-04304        | 00000/0000 2-20034/0164                            | 09/28/76         | 10                  | 8568            | 35.1         | 145.8        | GGGG                               |                     |                      | 158                   | 27                   |
| 08229E 4717N                            | 2525-04337        | 00000/0000 2-20028/0476                            | 06/30/76         | 30                  | 7313            | 56.1         | 124.8        | FGFG                               |                     |                      | 158                   | 27                   |
| 08229E 0715N                            | 2431-04001        | 00000/0000 2-20025/0689                            | 05/17/76         | 20                  | 6699            | 52.6         | 67.5         | FGGG                               |                     |                      | 150                   | 55                   |
| 08228E 5547N                            | 2492-04485        | 00000/0000 2-20026/0240                            | 05/28/76         | 90                  | 6853            | 51.1         | 142.1        | FGGG                               |                     |                      | 161                   | 21                   |
| 08228E 3017N                            | 2683-04101        | 00000/0000 2-20037/0121                            | 12/05/76         | 0                   | 9516            | 28.8         | 145.4        | GGGG                               |                     |                      | 154                   | 39                   |
| 08228E 0718N                            | 2445-04011        | 00000/0000 2-20027/1660                            | 04/11/76         | 20                  | 6197            | 52.9         | 85.8         | FGGG                               |                     |                      | 150                   | 55                   |
| 08227E 5558N                            | 2582-04462        | 00000/0000 2-20032/0134                            | 08/26/76         | 10                  | 8108            | 40.0         | 145.4        | GGGG                               |                     |                      | 161                   | 21                   |
| 08227E 5019N                            | 2724-04312        | 00000/0000 2-20039/0004                            | 01/15/77         | 10                  | 88              | 13.1         | 149.5        | GGFG                               |                     |                      | 159                   | 25                   |
| 08227E 3013N                            | 2665-04110        | 00000/0000 2-20037/0224                            | 11/17/76         | 10                  | 9265            | 32.4         | 144.8        | GGGG                               |                     |                      | 154                   | 39                   |
| 08226E 4317N                            | 2452-04304        | 00000/0000 2-20023/0377                            | 04/18/76         | 20                  | 6295            | 48.6         | 132.7        | GGGG                               |                     |                      | 157                   | 30                   |
| 08226E 4316N                            | 2470-04301        | 00000/0000 2-20024/1427                            | 05/06/76         | 80                  | 6546            | 53.6         | 128.2        | FGFG                               |                     |                      | 157                   | 30                   |
| 08225E 5553N                            | 2600-04455        | 00000/0000 2-20037/1193                            | 09/13/76         | 30                  | 8359            | 34.2         | 149.4        | GG                                 |                     |                      | 161                   | 21                   |
| 08225E 5020N                            | 2580-04364        | 00000/0000 2-20030/1790                            | 08/24/76         | 40                  | 8080            | 44.1         | 138.7        | GGGG                               |                     |                      | 159                   | 25                   |
| 08225E 1300N                            | 2482-04041        | 00000/0000 2-20025/0782                            | 05/18/76         | 20                  | 6713            | 55.3         | 74.3         | GGGG                               |                     |                      | 151                   | 51                   |
| 08224E 5306N                            | 2473-04443        | 00000/0000 2-20024/1864                            | 05/09/76         | 0                   | 6588            | 49.1         | 141.2        | GGGG                               |                     |                      | 160                   | 23                   |
| 08224E 5014N                            | 2688-04325        | 00000/0000 2-20037/0523                            | 12/10/76         | 10                  | 9586            | 12.9         | 154.1        | FFFF                               |                     |                      | 159                   | 25                   |
| 08224E 0714N                            | 2409-04022        | 00000/0000 2-20021/1171                            | 03/06/76         | 20                  | 5695            | 48.3         | 106.9        | FGGG                               |                     |                      | 150                   | 55                   |
| 08223E 5544N                            | 2528-04480        | 00000/0000 2-20028/0603                            | 07/03/76         | 30                  | 7355            | 51.8         | 138.3        | GGGG                               |                     |                      | 161                   | 21                   |
| 08223E 5310N                            | 2581-04413        | 00000/0000 2-20032/0119                            | 08/25/76         | 10                  | 8094            | 42.1         | 142.1        | GGGG                               |                     |                      | 160                   | 23                   |
| 08223E 5303N                            | 2689-04374        | 00000/0000 2-20037/0646                            | 12/11/76         | 20                  | 9600            | 10.5         | 155.3        | FGFF                               |                     |                      | 160                   | 23                   |
| 08223E 1301N                            | 2428-04055        | 00000/0000 2-20022/0615                            | 03/25/76         | 10                  | 5960            | 51.1         | 103.6        | FGGG                               |                     |                      | 151                   | 51                   |
| 08222E 5010N                            | 2544-04374        | 00000/0000 2-20028/1886                            | 07/19/76         | 60                  | 7578            | 52.5         | 130.6        | GGGG                               |                     |                      | 159                   | 25                   |
| 08222E 4312N                            | 2434-04312        | 00000/0000 2-20027/1021                            | 03/31/76         | 10                  | 6044            | 42.4         | 136.3        | GGGG                               |                     |                      | 157                   | 30                   |
| 08222E 4312N                            | 2704-04225        | 00000/0000 2-20038/0168                            | 12/26/76         | 0                   | 9809            | 17.2         | 149.4        | FFFF                               |                     |                      | 157                   | 30                   |
| 08222E 2436N                            | 2430-04135        | 00000/0000 2-20027/0718                            | 03/27/76         | 0                   | 5988            | 49.4         | 117.2        | GGGG                               |                     |                      | 153                   | 43                   |
| 08222E 2435N                            | 2700-04053        | 00000/0000 2-20037/1245                            | 12/22/76         | 10                  | 9753            | 30.7         | 141.3        | GGGG                               |                     |                      | 153                   | 43                   |
| 08222E 2434N                            | 2718-04044        | 00000/0000 2-20038/0885                            | 01/09/77         | 0                   | 4               | 30.4         | 138.4        | PPPP                               |                     |                      | 153                   | 43                   |
| 08222E 0710N                            | 2371-04025        | 00000/0000 2-20020/1476                            | 02/17/76         | 10                  | 5444            | 45.4         | 115.7        | GGFG                               |                     |                      | 150                   | 55                   |
| 08221E 5540N                            | 2510-04483        | 00000/0000 2-20026/1634                            | 06/15/76         | 0                   | 7104            | 52.6         | 139.4        | GGGG                               |                     |                      | 161                   | 21                   |
| 08221E 5304N                            | 2563-04420        | 00000/0000 2-20030/0919                            | 08/07/76         | 100                 | 7843            | 47.1         | 137.9        | GGGG                               |                     |                      | 160                   | 23                   |
| 08221E 5006N                            | 2670-04334        | 00000/0000 2-20036/0818                            | 11/22/76         | 40                  | 9335            | 16.1         | 154.9        | FGFG                               |                     |                      | 159                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL No./<br>IN RBL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELCV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|---------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                   | MSS                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 08221E                      | 4314N | 2722-04221        | 00000/0000            | 2-20038/1319        | 01/13/77         | 10                  | 60              | 18.0         | 146.6        | GGGF                  |                     |                      | 157                   | 30                   |
| 08221E                      | 2433N | 2682-04061        | 00000/0000            | 2-20036/1896        | 12/04/76         | 0                   | 9502            | 33.0         | 142.4        | PPPP                  |                     |                      | 153                   | 43                   |
| 08221E                      | 1849N | 2429-04095        | 00000/0000            | 2-20022/0675        | 03/26/76         | 0                   | 5974            | 50.6         | 110.5        | GGGG                  |                     |                      | 152                   | 47                   |
| 08221E                      | 1302N | 2716-03564        | 00000/0000            | 2-20038/0940        | 01/07/77         | 50                  | 9976            | 37.2         | 131.8        | GFGG                  |                     |                      | 151                   | 51                   |
| 08221E                      | 1301N | 2698-03572        | 00000/0000            | 2-20037/1206        | 12/20/76         | 40                  | 9725            | 38.2         | 134.5        | GGGG                  |                     |                      | 151                   | 51                   |
| 08220E                      | 3439N | 2720-04131        | 00000/0000            | 2-20038/1259        | 01/11/77         | 100                 | 32              | 23.8         | 143.1        | PGGG                  |                     |                      | 155                   | 36                   |
| 08220E                      | 1851N | 2699-04012        | 00000/0000            | 2-20037/1157        | 12/21/76         | 20                  | 9739            | 34.5         | 138.2        | GGGG                  |                     |                      | 152                   | 47                   |
| 08219E                      | 5257N | 2545-04423        | 00000/0000            | 2-20029/0047        | 07/20/76         | 60                  | 7592            | 51.0         | 134.9        | GGGG                  |                     |                      | 160                   | 23                   |
| 08219E                      | 5008N | 2526-04331        | 00000/0000            | 2-20028/0424        | 07/01/76         | 70                  | 7327            | 54.8         | 129.5        | GGGG                  |                     |                      | 159                   | 25                   |
| 08219E                      | 5006N | 2508-04384        | 00000/0000            | 2-20026/1404        | 06/13/76         | 10                  | 7076            | 55.5         | 130.8        | GGGG                  |                     |                      | 159                   | 25                   |
| 08218E                      | 5257N | 2527-04430        | 00000/0000            | 2-20028/0534        | 07/02/76         | 10                  | 7341            | 53.4         | 134.0        | GGGG                  |                     |                      | 160                   | 23                   |
| 08218E                      | 5257N | 2671-04383        | 00000/0000            | 2-20036/1169        | 11/23/76         | 20                  | 9349            | 13.6         | 156.3        | FFGG                  |                     |                      | 160                   | 23                   |
| 08218E                      | 4308N | 2614-04262        | 00000/0000            | 2-20034/0070        | 09/27/76         | 50                  | 8554            | 38.3         | 142.2        | GGGG                  |                     |                      | 157                   | 30                   |
| 08218E                      | 4308N | 2686-04233        | 00000/0000            | 2-20037/0431        | 12/08/76         | 0                   | 9558            | 18.7         | 151.2        | GGGG                  |                     |                      | 157                   | 30                   |
| 08218E                      | 3855N | 2703-04182        | 00000/0000            | 2-20038/0130        | 12/25/76         | 100                 | 9795            | 20.4         | 147.7        | FFFF                  |                     |                      | 156                   | 33                   |
| 08218E                      | 3437N | 2654-04144        | 00000/0000            | 2-20037/0321        | 12/06/76         | 10                  | 9530            | 25.4         | 147.5        | PPPP                  |                     |                      | 155                   | 36                   |
| 08218E                      | 2428N | 2664-04070        | 00000/0000            | 2-20036/0781        | 11/16/76         | 0                   | 9251            | 36.6         | 141.2        | FGGG                  |                     |                      | 153                   | 43                   |
| 08218E                      | 1848N | 2717-04004        | 00000/0000            | 2-20038/1058        | 01/08/77         | 10                  | 9990            | 33.9         | 135.3        | GGGG                  |                     |                      | 152                   | 47                   |
| 08218E                      | 1847N | 2681-04021        | 00000/0000            | 2-20037/0040        | 12/03/76         | 60                  | 9488            | 37.0         | 138.9        | GGGG                  |                     |                      | 152                   | 47                   |
| 08218E                      | 1259N | 2662-03585        | 00000/0000            | 2-20036/0578        | 11/14/76         | 20                  | 9223            | 44.2         | 132.2        | GGGG                  |                     |                      | 151                   | 51                   |
| 08217E                      | 5253N | 2509-04433        | 00000/0000            | 2-20026/1603        | 06/14/76         | 0                   | 7090            | 54.1         | 135.2        | GGGG                  |                     |                      | 160                   | 23                   |
| 08217E                      | 4302N | 2668-04242        | 00000/0000            | 2-20036/1020        | 11/20/76         | 0                   | 9307            | 22.1         | 151.5        | GGGG                  |                     |                      | 157                   | 30                   |
| 08217E                      | 2430N | 2394-04150        | 00000/0000            | 2-20021/0250        | 02/20/76         | 0                   | 5486            | 39.0         | 130.1        | PGGG                  |                     |                      | 153                   | 43                   |
| 08217E                      | 2428N | 2646-04074        | 00000/0000            | 2-20035/0221        | 10/29/76         | 0                   | 9000            | 41.1         | 137.4        | GGGG                  |                     |                      | 153                   | 43                   |
| 08216E                      | 4305N | 2632-04254        | 00000/0000            | 2-20034/0625        | 10/15/76         | 10                  | 8805            | 32.6         | 147.0        | FGGG                  |                     |                      | 157                   | 30                   |
| 08216E                      | 3857N | 2721-04174        | 00000/0000            | 2-20038/0970        | 01/12/77         | 70                  | 46              | 20.9         | 144.9        | FGGG                  |                     |                      | 156                   | 33                   |
| 08216E                      | 3852N | 2685-04191        | 00000/0000            | 2-20036/1812        | 12/07/76         | 10                  | 9544            | 22.1         | 149.4        | PGGG                  |                     |                      | 156                   | 33                   |
| 08216E                      | 1847N | 2393-04105        | 00000/0000            | 2-20021/0144        | 02/19/76         | 0                   | 5472            | 41.5         | 125.7        | FGGG                  |                     |                      | 152                   | 47                   |
| 08216E                      | 1841N | 2411-04102        | 00000/0000            | 2-20021/1230        | 03/08/76         | 0                   | 5723            | 46.0         | 118.6        | GGGG                  |                     |                      | 152                   | 47                   |
| 08216E                      | 1254N | 2392-04065        | 00000/0000            | 2-20020/1661        | 02/18/76         | 30                  | 5458            | 43.6         | 120.8        | FFFF                  |                     |                      | 151                   | 51                   |
| 08215E                      | 1845N | 2627-04041        | 00000/0000            | 2-20034/0770        | 10/10/76         | 10                  | 8735            | 48.4         | 124.6        | GGGG                  |                     |                      | 152                   | 47                   |
| 08215E                      | 1844N | 2663-04025        | 00000/0000            | 2-20036/0674        | 11/15/76         | 10                  | 9237            | 40.6         | 137.1        | FGGG                  |                     |                      | 152                   | 47                   |
| 08215E                      | 1843N | 2645-04034        | 00000/0000            | 2-20035/0098        | 10/28/76         | 0                   | 8986            | 44.7         | 132.3        | GGGG                  |                     |                      | 152                   | 47                   |
| 08214E                      | 4302N | 2650-04250        | 00000/0000            | 2-20035/0437        | 11/02/76         | 10                  | 9056            | 27.0         | 150.1        | GGGG                  |                     |                      | 157                   | 30                   |
| 08214E                      | 1841N | 2375-04112        | 00000/0000            | 2-20028/0798        | 02/01/76         | 0                   | 5221            | 37.9         | 131.5        | GGGG                  |                     |                      | 152                   | 47                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08209E 0549N                            | 2481-04004        | 00000/0000                   | 2-20025/0690                | 05/17/76         | 40                  | 6699            | 51.8         | 65.9         | FQQG                               |                     |                      | 150                   | 56                   |
| 08208E 0550N                            | 2445-04013        | 00000/0000                   | 2-20022/1661                | 04/11/76         | 20                  | 6197            | 52.6         | 83.9         | GGGG                               |                     |                      | 150                   | 56                   |
| 08206E 2854N                            | 2719-04091        | 00000/0000                   | 2-20038/1163                | 01/10/77         | 30                  | 18              | 27.6         | 140.5        | GGGG                               |                     |                      | 154                   | 40                   |
| 08205E 4609N                            | 2453-04353        | 00000/0000                   | 2-20024/0104                | 04/19/76         | 60                  | 6309            | 47.4         | 135.9        | GGGG                               |                     |                      | 158                   | 28                   |
| 08204E 4605N                            | 2705-04274        | 00000/0000                   | 2-20038/0208                | 12/27/76         | 10                  | 9823            | 15.0         | 150.8        | FQGF                               |                     |                      | 158                   | 28                   |
| 08204E 2850N                            | 2683-04104        | 00000/0000                   | 2-20037/0122                | 12/05/76         | 0                   | 9516            | 29.8         | 144.7        | GGGG                               |                     |                      | 154                   | 40                   |
| 08204E 1135N                            | 2482-04044        | 00000/0000                   | 2-20025/0783                | 05/18/76         | 30                  | 6713            | 54.7         | 72.4         | GGGG                               |                     |                      | 151                   | 52                   |
| 08204E 0548N                            | 2408-04024        | 00000/0000                   | 2-20021/1172                | 03/06/76         | 30                  | 5695            | 48.4         | 105.2        | FQQG                               |                     |                      | 150                   | 56                   |
| 08203E 4604N                            | 2435-04361        | 00000/0000                   | 2-20022/1128                | 04/01/76         | 70                  | 6058            | 41.1         | 138.9        | GGGG                               |                     |                      | 158                   | 28                   |
| 08203E 4602N                            | 2471-04351        | 00000/0000                   | 2-20024/1725                | 05/07/76         | 10                  | 6560            | 52.6         | 131.9        | GFQQ                               |                     |                      | 158                   | 28                   |
| 08202E 2847N                            | 2665-04112        | 00000/0000                   | 2-20037/0225                | 11/17/76         | 40                  | 9265            | 33.5         | 144.0        | GGGG                               |                     |                      | 154                   | 40                   |
| 08202E 1135N                            | 2428-04061        | 00000/0000                   | 2-20022/0616                | 03/25/76         | 20                  | 5960            | 51.2         | 101.7        | F QG                               |                     |                      | 151                   | 52                   |
| 08201E 4605N                            | 2723-04270        | 00000/0000                   | 2-20038/1386                | 01/14/77         | 0                   | 74              | 16.1         | 147.7        | GGGG                               |                     |                      | 158                   | 28                   |
| 08201E 4601N                            | 2687-04282        | 00000/0000                   | 2-20037/0491                | 12/09/76         | 10                  | 9572            | 16.3         | 152.4        | GGGG                               |                     |                      | 158                   | 28                   |
| 08200E 4556N                            | 2489-04344        | 00000/0000                   | 2-20026/0038                | 05/25/76         | 90                  | 6811            | 55.9         | 127.5        | FQQG                               |                     |                      | 158                   | 28                   |
| 08200E 2310N                            | 2430-04142        | 00000/0000                   | 2-20022/0719                | 03/27/76         | 0                   | 5988            | 49.8         | 115.4        | GGGG                               |                     |                      | 153                   | 44                   |
| 08159E 5718N                            | 2475-04544        | 00000/0000                   | 2-20025/0255                | 05/11/76         | 50                  | 6616            | 46.9         | 146.5        | FQQG                               |                     |                      | 162                   | 20                   |
| 08159E 4602N                            | 2561-04324        | 00000/0000                   | 2-20030/0849                | 08/05/76         | 40                  | 7815            | 51.1         | 128.0        | GGGG                               |                     |                      | 158                   | 28                   |
| 08159E 4555N                            | 2543-04331        | 00000/0000                   | 2-20028/1846                | 07/18/76         | 50                  | 7564            | 54.4         | 123.9        | GGGG                               |                     |                      | 158                   | 28                   |
| 08159E 2309N                            | 2700-04055        | 00000/0000                   | 2-20037/1246                | 12/22/76         | 0                   | 9753            | 31.7         | 140.6        | GGGG                               |                     |                      | 153                   | 44                   |
| 08159E 2308N                            | 2718-04051        | 00000/0000                   | 2-20038/0886                | 01/09/77         | 0                   | 4               | 31.3         | 137.7        | FPPP                               |                     |                      | 153                   | 44                   |
| 08159E 1724N                            | 2699-04015        | 00000/0000                   | 2-20037/1158                | 12/21/76         | 20                  | 9739            | 35.4         | 137.3        | FQQG                               |                     |                      | 152                   | 48                   |
| 08157E 4554N                            | 2507-04341        | 00000/0000                   | 2-20026/1378                | 06/12/76         | 40                  | 7062            | 57.2         | 123.9        | GGGG                               |                     |                      | 158                   | 28                   |
| 08157E 4552N                            | 2669-04291        | 00000/0000                   | 2-20036/0514                | 11/21/76         | 0                   | 9321            | 19.7         | 152.9        | GGGG                               |                     |                      | 158                   | 28                   |
| 08157E 2306N                            | 2682-04064        | 00000/0000                   | 2-20036/1897                | 12/04/76         | 0                   | 9502            | 33.9         | 141.6        | PPPF                               |                     |                      | 153                   | 44                   |
| 08157E 1722N                            | 2717-04011        | 00000/0000                   | 2-20038/1059                | 01/08/77         | 0                   | 9990            | 34.7         | 134.4        | FQQG                               |                     |                      | 152                   | 48                   |
| 08156E 1721N                            | 2681-04023        | 00000/0000                   | 2-20037/0041                | 12/03/76         | 40                  | 9488            | 37.9         | 138.0        | GGGG                               |                     |                      | 152                   | 48                   |
| 08156E 1129N                            | 2392-04072        | 00000/0000                   | 2-20020/1662                | 02/18/76         | 10                  | 5458            | 44.2         | 119.4        | FFFF                               |                     |                      | 151                   | 52                   |
| 08155E 4552N                            | 2651-04295        | 00000/0000                   | 2-20035/0498                | 11/03/76         | 100                 | 9070            | 24.5         | 151.8        | GGGG                               |                     |                      | 158                   | 28                   |
| 08155E 4551N                            | 2633-04303        | 00000/0000                   | 2-20034/0627                | 10/16/76         | 30                  | 8819            | 30.2         | 149.0        | FQQG                               |                     |                      | 158                   | 28                   |
| 08155E 4151N                            | 2452-04311        | 00000/0000                   | 2-20023/0378                | 04/18/76         | 40                  | 6295            | 49.3         | 131.0        | GGGF                               |                     |                      | 157                   | 31                   |
| 08155E 4150N                            | 2470-04304        | 00000/0000                   | 2-20024/1428                | 05/06/76         | 80                  | 6546            | 54.3         | 126.1        | GFQQ                               |                     |                      | 157                   | 31                   |
| 08155E 2303N                            | 2664-04072        | 00000/0000                   | 2-20036/0782                | 11/16/76         | 0                   | 9251            | 37.6         | 140.3        | FQQG                               |                     |                      | 153                   | 44                   |
| 08154E 4556N                            | 2615-04311        | 00000/0000                   | 2-20034/0165                | 09/28/76         | 10                  | 8568            | 36.1         | 144.7        | GGGG                               |                     |                      | 158                   | 28                   |
| 08154E 4552N                            | 2525-04334        | 00000/0000                   | 2-20028/0477                | 06/30/76         | 80                  | 7313            | 56.6         | 122.4        | GGGF                               |                     |                      | 158                   | 28                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRAIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBV<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08154E 3313N                            | 2720-04134        | 00000/0000 2-20038/1260                            | 01/11/77         | 90                  | 32              | 24.8         | 142.4        | PPGG                               |                     |                      | 155                   | 37                   |
| 08154E 3311N                            | 2702-04142        | 00000/0000 2-20038/0489                            | 12/24/76         | 30                  | 9781            | 24.6         | 145.3        | GGGG                               |                     |                      | 153                   | 37                   |
| 08154E 2304N                            | 2394-04152        | 00000/0000 2-20021/0251                            | 02/20/76         | 60                  | 5486            | 39.7         | 128.9        | GFGG                               |                     |                      | 153                   | 44                   |
| 08154E 2258N                            | 2376-04155        | 00000/0000 2-20020/0782                            | 02/02/76         | 0                   | 5235            | 35.7         | 134.2        | GGGG                               |                     |                      | 153                   | 44                   |
| 08154E 1718N                            | 2663-04032        | 00000/0000 2-20036/0675                            | 11/15/76         | 10                  | 9237            | 41.5         | 136.0        | F0GG                               |                     |                      | 152                   | 48                   |
| 08153E 4901N                            | 2454-04403        | 00000/0000 2-20024/0046                            | 04/20/76         | 70                  | 6323            | 46.1         | 139.1        | GGGF                               |                     |                      | 159                   | 26                   |
| 08152E 3311N                            | 2684-04150        | 00000/0000 2-20037/0322                            | 12/06/76         | 10                  | 9530            | 26.5         | 146.8        | PPPP                               |                     |                      | 155                   | 37                   |
| 08151E 5716N                            | 2565-04521        | 00000/0000 2-20032/0001                            | 08/09/76         | 10                  | 7871            | 44.1         | 143.6        | G G                                |                     |                      | 162                   | 20                   |
| 08151E 4854N                            | 2472-04400        | 00000/0000 2-20024/1827                            | 05/08/76         | 10                  | 6574            | 51.3         | 135.7        | GGGG                               |                     |                      | 159                   | 26                   |
| 08151E 4146N                            | 2434-04314        | 00000/0000 2-20022/1022                            | 03/31/76         | 70                  | 6044            | 43.2         | 134.9        | GGGG                               |                     |                      | 157                   | 31                   |
| 08151E 4146N                            | 2704-04231        | 00000/0000 2-20038/0169                            | 12/26/76         | 40                  | 9809            | 18.3         | 148.8        | FFFF                               |                     |                      | 157                   | 31                   |
| 08150E 5436N                            | 2456-04501        | 00000/0000 2-20024/0354                            | 04/22/76         | 10                  | 6351            | 43.2         | 145.2        | GGGG                               |                     |                      | 161                   | 22                   |
| 08150E 4149N                            | 2722-04223        | 00000/0000 2-20034/1320                            | 01/13/77         | 10                  | 60              | 19.0         | 146.0        | GGG                                |                     |                      | 157                   | 31                   |
| 08149E 5710N                            | 2547-04524        | 00000/0000 2-20028/1605                            | 07/22/76         | 60                  | 7620            | 48.3         | 141.2        | GGGG                               |                     |                      | 162                   | 20                   |
| 08149E 4855N                            | 2706-04323        | 00000/0000 2-20038/0235                            | 12/28/76         | 0                   | 9837            | 12.9         | 151.5        | FPP                                |                     |                      | 159                   | 26                   |
| 08149E 3730N                            | 2703-04185        | 00000/0000 2-20034/0131                            | 12/25/76         | 100                 | 9795            | 21.4         | 147.1        | FFFF                               |                     |                      | 156                   | 34                   |
| 08149E 0422N                            | 2431-04010        | 00000/0000 2-20025/0691                            | 05/17/76         | 40                  | 6699            | 51.0         | 64.3         | GGGG                               |                     |                      | 150                   | 57                   |
| 08148E 5708N                            | 2529-04531        | 00000/0000 2-20028/0627                            | 07/04/76         | 40                  | 7369            | 50.9         | 140.4        | GGGG                               |                     |                      | 162                   | 20                   |
| 08148E 4855N                            | 2724-04315        | 00000/0000 2-20039/0005                            | 01/15/77         | 10                  | 88              | 14.2         | 148.9        | GGGG                               |                     |                      | 159                   | 26                   |
| 08148E 4140N                            | 2416-04322        | 00000/0000 2-20022/0073                            | 03/13/76         | 0                   | 5793            | 36.6         | 138.2        | GFGG                               |                     |                      | 157                   | 31                   |
| 08148E 3731N                            | 2721-04180        | 00000/0000 2-20038/0971                            | 01/12/77         | 90                  | 46              | 21.9         | 144.3        | GGGG                               |                     |                      | 156                   | 34                   |
| 08148E 3727N                            | 2685-04193        | 00000/0000 2-20036/1813                            | 12/07/76         | 30                  | 9544            | 23.1         | 148.7        | PGGF                               |                     |                      | 154                   | 34                   |
| 08148E 0423N                            | 2445-04020        | 00000/0000 2-20022/1662                            | 04/11/76         | 70                  | 6197            | 52.1         | 82.0         | GFPG                               |                     |                      | 150                   | 57                   |
| 08147E 4854N                            | 2580-04370        | 00000/0000 2-20030/1791                            | 08/24/76         | 40                  | 8080            | 44.9         | 137.1        | GGGG                               |                     |                      | 159                   | 26                   |
| 08147E 4143N                            | 2614-04264        | 00000/0000 2-20034/0071                            | 09/27/76         | 40                  | 8554            | 39.2         | 141.0        | GGGG                               |                     |                      | 157                   | 31                   |
| 08147E 4143N                            | 2686-04240        | 00000/0000 2-20037/0432                            | 12/08/76         | 0                   | 9558            | 19.8         | 150.6        | GGGG                               |                     |                      | 157                   | 31                   |
| 08146E 4137N                            | 2668-04244        | 00000/0000 2-20036/1021                            | 11/20/76         | 0                   | 9307            | 23.2         | 150.9        | GGGG                               |                     |                      | 157                   | 31                   |
| 08145E 5705N                            | 2511-04534        | 00000/0000 2-20026/1555                            | 06/16/76         | 70                  | 7118            | 51.8         | 141.5        | F0GG                               |                     |                      | 162                   | 20                   |
| 08145E 5433N                            | 2726-04413        | 00000/0000 2-20039/0044                            | 01/17/77         | 10                  | 116             | 10.3         | 151.3        | F0GG                               |                     |                      | 161                   | 22                   |
| 08145E 5432N                            | 2474-04494        | 00000/0000 2-20025/0004                            | 05/10/76         | 0                   | 6602            | 48.5         | 142.9        | GGGG                               |                     |                      | 161                   | 22                   |
| 08145E 4850N                            | 2688-04332        | 00000/0000 2-20037/0524                            | 12/10/76         | 20                  | 9586            | 14.0         | 153.5        | F0GG                               |                     |                      | 159                   | 26                   |
| 08144E 4845N                            | 2490-04393        | 00000/0000 2-20024/0049                            | 05/26/76         | 10                  | 6825            | 54.7         | 131.8        | GGGG                               |                     |                      | 159                   | 26                   |
| 08144E 4845N                            | 2544-04381        | 00000/0000 2-20028/1887                            | 07/19/76         | 60                  | 7578            | 53.1         | 128.5        | GGGG                               |                     |                      | 159                   | 26                   |
| 08144E 0421N                            | 2409-04031        | 00000/0000 2-20021/1173                            | 03/06/76         | 30                  | 5695            | 48.6         | 103.6        | GGGG                               |                     |                      | 150                   | 57                   |
| 08143E 5432N                            | 2438-04504        | 00000/0000 2-20022/1237                            | 04/04/76         | 10                  | 6100            | 36.8         | 146.7        | GGGG                               |                     |                      | 161                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>REV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08143E                      | 5144N | 2737-04372 | 00000/0000        | 2-20032/0664                 | 12/29/76                    | 0                | 9851                | 10.7            | 152.7        | GGGG         |                                    |                     |                      | 160                   | 24                   |
| 08143E                      | 4852N | 2598-04369 | 00000/0000        | 2-20032/1160                 | 09/11/76                    | 90               | 8331                | 39.6            | 142.4        | FFGG         |                                    |                     |                      | 159                   | 26                   |
| 08143E                      | 2727N | 2431-04184 | 00000/0000        | 2-20022/0764                 | 03/28/76                    | 10               | 6002                | 48.8            | 120.2        | G            |                                    |                     |                      | 154                   | 41                   |
| 08143E                      | 1008N | 2482-04050 | 00000/0000        | 2-20025/0784                 | 05/18/76                    | 20               | 6713                | 54.0            | 70.6         | GGGF         |                                    |                     |                      | 151                   | 53                   |
| 08142E                      | 5144N | 2725-04364 | 00000/0000        | 2-20039/0071                 | 01/16/77                    | 20               | 102                 | 12.2            | 150.0        | GGG          |                                    |                     |                      | 160                   | 24                   |
| 08142E                      | 4842N | 2670-04340 | 00000/0000        | 2-20036/0819                 | 11/22/76                    | 70               | 9335                | 17.2            | 154.2        | FFGG         |                                    |                     |                      | 159                   | 26                   |
| 08142E                      | 2728N | 2719-04093 | 00000/0000        | 2-20032/1164                 | 01/10/77                    | 10               | 18                  | 28.6            | 139.8        | FGGG         |                                    |                     |                      | 154                   | 41                   |
| 08142E                      | 1010N | 2572-04024 | 00000/0000        | 2-20030/1591                 | 08/16/76                    | 60               | 7968                | 52.1            | 80.7         | GGGG         |                                    |                     |                      | 151                   | 53                   |
| 08142E                      | 1008N | 2428-04054 | 00000/0000        | 2-20022/0629                 | 03/25/76                    | 20               | 5960                | 51.2            | 99.8         | GGGG         |                                    |                     |                      | 151                   | 53                   |
| 08141E                      | 5430N | 2564-04472 | 00000/0000        | 2-20030/0944                 | 08/08/76                    | 20               | 7857                | 46.0            | 139.9        | GGGG         |                                    |                     |                      | 161                   | 22                   |
| 08141E                      | 5423N | 2492-04492 | 00000/0000        | 2-20026/0241                 | 05/28/76                    | 80               | 6853                | 52.0            | 140.0        | GGGG         |                                    |                     |                      | 161                   | 22                   |
| 08141E                      | 5141N | 2473-04445 | 00000/0000        | 2-20024/1865                 | 05/09/76                    | 0                | 6588                | 50.0            | 139.3        | GGGG         |                                    |                     |                      | 160                   | 24                   |
| 08141E                      | 4843N | 2526-04324 | 00000/0000        | 2-20022/0425                 | 07/01/76                    | 60               | 7327                | 55.4            | 127.2        | GGGG         |                                    |                     |                      | 159                   | 26                   |
| 08141E                      | 4841N | 2508-04391 | 00000/0000        | 2-20026/1405                 | 06/13/76                    | 0                | 7076                | 56.1            | 128.5        | GGGG         |                                    |                     |                      | 159                   | 26                   |
| 08141E                      | 1007N | 2536-04034 | 00000/0000        | 2-20028/1187                 | 07/11/76                    | 50               | 7466                | 51.1            | 67.2         | PPFF         |                                    |                     |                      | 151                   | 53                   |
| 08140E                      | 2724N | 2683-04110 | 00000/0000        | 2-20037/0123                 | 12/05/76                    | 0                | 9516                | 30.8            | 143.9        | GGGG         |                                    |                     |                      | 154                   | 41                   |
| 08140E                      | 0418N | 2373-04040 | 00000/0000        | 2-20020/0608                 | 01/30/76                    | 100              | 5193                | 44.3            | 120.3        | GGGG         |                                    |                     |                      | 150                   | 57                   |
| 08139E                      | 5433N | 2582-04465 | 00000/0000        | 2-20032/0135                 | 08/26/76                    | 10               | 8108                | 40.9            | 143.9        | GGGG         |                                    |                     |                      | 161                   | 22                   |
| 08139E                      | 5422N | 2546-04475 | 00000/0000        | 2-20029/0074                 | 07/21/76                    | 70               | 7606                | 50.0            | 137.0        | GGGG         |                                    |                     |                      | 161                   | 22                   |
| 08138E                      | 5140N | 2563-04423 | 00000/0000        | 2-20030/0920                 | 08/07/76                    | 100              | 7843                | 47.8            | 136.1        | GGGG         |                                    |                     |                      | 160                   | 24                   |
| 08138E                      | 2722N | 2665-04115 | 00000/0000        | 2-20037/0226                 | 11/17/76                    | 60               | 9265                | 34.5            | 143.1        | GGGG         |                                    |                     |                      | 154                   | 41                   |
| 08138E                      | 2720N | 2647-04123 | 00000/0000        | 2-20035/0302                 | 10/30/76                    | 10               | 9014                | 39.0            | 139.8        | GGGG         |                                    |                     |                      | 154                   | 41                   |
| 08138E                      | 2719N | 2413-04192 | 00000/0000        | 2-20021/1412                 | 03/10/76                    | 0                | 5751                | 43.2            | 126.4        | GGFF         |                                    |                     |                      | 154                   | 41                   |
| 08138E                      | 2143N | 2430-04144 | 00000/0000        | 2-20022/0720                 | 03/27/76                    | 0                | 5988                | 50.2            | 113.6        | GGGG         |                                    |                     |                      | 153                   | 45                   |
| 08138E                      | 1557N | 2699-04021 | 00000/0000        | 2-20037/1159                 | 12/21/76                    | 40               | 9739                | 36.3            | 136.4        | GGGG         |                                    |                     |                      | 152                   | 49                   |
| 08137E                      | 5429N | 2600-04462 | 00000/0000        | 2-20032/1194                 | 09/13/76                    | 50               | 8359                | 35.2            | 148.1        | GGG          |                                    |                     |                      | 161                   | 22                   |
| 08137E                      | 2721N | 2629-04131 | 00000/0000        | 2-20034/0651                 | 10/12/76                    | 0                | 8763                | 43.7            | 15.0         | GGGG         |                                    |                     |                      | 154                   | 41                   |
| 08137E                      | 2718N | 2377-04202 | 00000/0000        | 2-20020/0499                 | 02/03/76                    | 60               | 5249                | 33.4            | 136.8        | FGGG         |                                    |                     |                      | 154                   | 41                   |
| 08137E                      | 2143N | 2700-04062 | 00000/0000        | 2-20037/1247                 | 12/22/76                    | 20               | 9753                | 32.6            | 139.8        | GGGG         |                                    |                     |                      | 153                   | 45                   |
| 08137E                      | 2142N | 2718-04053 | 00000/0000        | 2-20032/0857                 | 01/09/77                    | 0                | 4                   | 32.2            | 136.8        | GGGG         |                                    |                     |                      | 153                   | 45                   |
| 08136E                      | 5420N | 2528-04482 | 00000/0000        | 2-20028/0604                 | 07/03/76                    | 30               | 7355                | 52.6            | 136.1        | GGGG         |                                    |                     |                      | 161                   | 22                   |
| 08136E                      | 5420N | 2672-04435 | 00000/0000        | 2-20037/0168                 | 11/24/76                    | 60               | 9363                | 12.3            | 157.0        | GGGG         |                                    |                     |                      | 161                   | 22                   |
| 08136E                      | 5133N | 2527-04433 | 00000/0000        | 2-20028/0673                 | 07/02/76                    | 40               | 7341                | 54.1            | 131.8        | GGGG         |                                    |                     |                      | 160                   | 24                   |
| 08136E                      | 5133N | 2545-04430 | 00000/0000        | 2-20029/0048                 | 07/20/76                    | 60               | 7592                | 51.7            | 132.8        | GGG          |                                    |                     |                      | 160                   | 24                   |
| 08136E                      | 5133N | 2671-04365 | 00000/0000        | 2-20036/1170                 | 11/23/76                    | 20               | 9349                | 14.7            | 155.6        | GGG          |                                    |                     |                      | 160                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 177

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0895

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08136E 2721N                            | 2395-04195        | 00000/0000                   | 2-20021/0327                | 02/21/76         | 10                  | 5500            | 37.7         | 132.0        | F G G G                            |                     |                      | 154                   | 41                   |
| 08136E 1555N                            | 2717-04013        | 00000/0000                   | 2-20034/1060                | 01/08/77         | 10                  | 9990            | 35.6         | 133.5        | G F G G                            |                     |                      | 152                   | 49                   |
| 08135E 2140N                            | 2682-04070        | 00000/0000                   | 2-20036/1898                | 12/04/76         | 0                   | 9502            | 34.9         | 140.7        | P P P F                            |                     |                      | 153                   | 45                   |
| 08135E 1555N                            | 2681-04030        | 00000/0000                   | 2-20037/0042                | 12/03/76         | 60                  | 9488            | 38.8         | 137.0        | G G G G                            |                     |                      | 152                   | 49                   |
| 08135E 1003N                            | 2392-04074        | 00000/0000                   | 2-20020/1663                | 02/18/76         | 40                  | 5458            | 44.7         | 118.0        | F F F F                            |                     |                      | 151                   | 53                   |
| 08134E 5417N                            | 2510-04485        | 00000/0000                   | 2-20026/1635                | 06/15/76         | 0                   | 7104            | 53.4         | 137.2        | G G G G                            |                     |                      | 161                   | 22                   |
| 08134E 5129N                            | 2509-04440        | 00000/0000                   | 2-20026/1604                | 06/14/76         | 0                   | 7090            | 54.8         | 132.9        | G G G G                            |                     |                      | 160                   | 24                   |
| 08133E 2137N                            | 2646-04083        | 00000/0000                   | 2-20035/0222                | 10/29/76         | 0                   | 9000            | 42.8         | 135.1        | G G G G                            |                     |                      | 153                   | 45                   |
| 08133E 1551N                            | 2663-04034        | 00000/0000                   | 2-20036/0676                | 11/15/76         | 10                  | 9237            | 42.3         | 134.8        | F F G G                            |                     |                      | 152                   | 49                   |
| 08132E 2138N                            | 2394-04155        | 00000/0000                   | 2-20021/0252                | 02/20/76         | 0                   | 5486            | 40.4         | 127.7        | F F F F                            |                     |                      | 153                   | 45                   |
| 08132E 2136N                            | 2664-04075        | 00000/0000                   | 2-20036/0783                | 11/16/76         | 10                  | 9251            | 38.5         | 139.3        | F G G G                            |                     |                      | 153                   | 45                   |
| 08132E 2132N                            | 2376-04161        | 00000/0000                   | 2-20020/0783                | 02/02/76         | 0                   | 5235            | 36.5         | 133.3        | G G G G                            |                     |                      | 153                   | 45                   |
| 08131E 4444N                            | 2453-04360        | 00000/0000                   | 2-20024/0105                | 04/19/76         | 40                  | 6309            | 48.2         | 134.2        | G G G G                            |                     |                      | 158                   | 29                   |
| 08129E 4440N                            | 2705-04280        | 00000/0000                   | 2-20038/0209                | 12/27/76         | 0                   | 9823            | 16.1         | 149.9        | G G F G                            |                     |                      | 158                   | 29                   |
| 08129E 4438N                            | 2435-04363        | 00000/0000                   | 2-20022/1129                | 04/01/76         | 90                  | 6058            | 42.0         | 137.5        | G G G G                            |                     |                      | 158                   | 29                   |
| 08129E 4436N                            | 2471-04353        | 00000/0000                   | 2-20024/1726                | 05/07/76         | 40                  | 6560            | 53.3         | 129.9        | G G G G                            |                     |                      | 158                   | 29                   |
| 08129E 3145N                            | 2702-04144        | 00000/0000                   | 2-20038/0490                | 12/24/76         | 30                  | 9781            | 25.6         | 144.6        | G G G G                            |                     |                      | 155                   | 38                   |
| 08128E 5346N                            | 2458-05002        | 00000/0000                   | 2-20024/0393                | 04/24/76         | 80                  | 6379            | 41.0         | 149.9        | G G G G                            |                     |                      | 163                   | 19                   |
| 08128E 4440N                            | 2723-04272        | 00000/0000                   | 2-20038/1387                | 01/14/77         | 10                  | 74              | 17.1         | 147.1        | G G G G                            |                     |                      | 158                   | 29                   |
| 08128E 3146N                            | 2720-04140        | 00000/0000                   | 2-20038/1261                | 01/11/77         | 60                  | 32              | 25.8         | 141.7        | G G G G                            |                     |                      | 155                   | 38                   |
| 08127E 5845N                            | 2440-05005        | 00000/0000                   | 2-20022/1608                | 04/06/76         | 50                  | 6128            | 34.6         | 150.8        | G G G G                            |                     |                      | 163                   | 19                   |
| 08127E 4436N                            | 2687-04285        | 00000/0000                   | 2-20037/0492                | 12/09/76         | 10                  | 9572            | 17.4         | 151.7        | G G G G                            |                     |                      | 158                   | 29                   |
| 08127E 3145N                            | 2684-04150        | 00000/0000                   | 2-20037/0323                | 12/06/76         | 10                  | 9530            | 27.5         | 146.1        | P P P P                            |                     |                      | 155                   | 38                   |
| 08126E 4437N                            | 2561-04331        | 00000/0000                   | 2-20030/0850                | 08/05/76         | 40                  | 7815            | 51.6         | 126.0        | G G G G                            |                     |                      | 158                   | 29                   |
| 08126E 4430N                            | 2489-04330        | 00000/0000                   | 2-20026/0039                | 05/25/76         | 90                  | 6811            | 56.5         | 125.2        | F G G G                            |                     |                      | 158                   | 29                   |
| 08125E 4431N                            | 2543-04338        | 00000/0000                   | 2-20028/1847                | 07/18/76         | 40                  | 7564            | 54.9         | 121.7        | G G G G                            |                     |                      | 158                   | 29                   |
| 08125E 4024N                            | 2470-04310        | 00000/0000                   | 2-20024/1429                | 05/06/76         | 60                  | 6546            | 54.8         | 124.0        | G G G                              |                     |                      | 157                   | 32                   |
| 08124E 4429N                            | 2507-04344        | 00000/0000                   | 2-20026/1379                | 06/12/76         | 30                  | 7062            | 57.7         | 121.4        | G G G G                            |                     |                      | 158                   | 29                   |
| 08124E 4026N                            | 2452-04313        | 00000/0000                   | 2-20023/0379                | 04/18/76         | 40                  | 6295            | 50.0         | 129.2        | G G G G                            |                     |                      | 157                   | 32                   |
| 08123E 5840N                            | 2476-04595        | 00000/0000                   | 2-20024/1648                | 05/12/76         | 90                  | 6630            | 46.3         | 148.2        | F G G G                            |                     |                      | 163                   | 19                   |
| 08123E 4428N                            | 2669-04294        | 00000/0000                   | 2-20036/0515                | 11/21/76         | 10                  | 9321            | 20.8         | 152.2        | G G G G                            |                     |                      | 158                   | 29                   |
| 08123E 0841N                            | 2482-04053        | 00000/0000                   | 2-20025/0785                | 05/13/76         | 10                  | 6713            | 53.3         | 68.8         | F F F F                            |                     |                      | 151                   | 54                   |
| 08122E 5840N                            | 2566-04573        | 00000/0000                   | 2-20030/1036                | 08/10/76         | 40                  | 7885            | 42.9         | 145.6        | G                                  |                     |                      | 163                   | 19                   |
| 08122E 3604N                            | 2703-04191        | 00000/0000                   | 2-20038/0132                | 12/25/76         | 50                  | 9795            | 22.5         | 146.5        | G F F                              |                     |                      | 156                   | 35                   |
| 08122E 0842N                            | 2428-04070        | 00000/0000                   | 2-20022/0630                | 03/25/76         | 20                  | 5960            | 51.2         | 98.0         | F G G G                            |                     |                      | 151                   | 54                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NDN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0896

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 08121E                      | 5843N | 2584-04570        | 00000/0000            | 2-20032/0278         | 08/28/76         | 80                  | 8136            | 37.5         | 148.9        | GGGG                  |                     |                      | 163                   | 19                   |
| 08121E                      | 4430N | 2615-04313        | 00000/0000            | 2-20034/0008         | 09/28/76         | 70                  | 8568            | 37.0         | 143.6        | GGGG                  |                     |                      | 158                   | 29                   |
| 08121E                      | 4428N | 2651-04302        | 00000/0000            | 2-20035/0499         | 11/03/76         | 90                  | 9070            | 25.6         | 151.0        | GGGG                  |                     |                      | 158                   | 29                   |
| 08121E                      | 4427N | 2525-04341        | 00000/0000            | 2-20028/0478         | 06/30/76         | 80                  | 7313            | 57.0         | 120.0        | FGGG                  |                     |                      | 158                   | 29                   |
| 08121E                      | 4426N | 2633-04310        | 00000/0000            | 2-20034/0628         | 10/16/76         | 10                  | 8819            | 31.2         | 148.1        | FGGG                  |                     |                      | 158                   | 29                   |
| 08121E                      | 3605N | 2721-04183        | 00000/0000            | 2-20038/0972         | 01/12/77         | 90                  | 46              | 22.9         | 143.6        | GGGG                  |                     |                      | 156                   | 35                   |
| 08121E                      | 3601N | 2685-04200        | 00000/0000            | 2-20036/1814         | 12/07/76         | 10                  | 9544            | 24.2         | 148.1        | FGGF                  |                     |                      | 156                   | 35                   |
| 08121E                      | 0844N | 2572-04030        | 00000/0000            | 2-20030/1592         | 08/16/76         | 20                  | 7968            | 51.6         | 78.9         | GGGG                  |                     |                      | 151                   | 54                   |
| 08121E                      | 0840N | 2536-04041        | 00000/0000            | 2-20028/1021         | 07/11/76         | 40                  | 7466            | 50.3         | 65.7         | GGGG                  |                     |                      | 151                   | 54                   |
| 08120E                      | 5842N | 2602-04563        | 00000/0000            | 2-20032/1293         | 09/15/76         | 90                  | 8387            | 31.4         | 152.5        | GGGG                  |                     |                      | 163                   | 19                   |
| 08120E                      | 4023N | 2722-04230        | 00000/0000            | 2-20038/1321         | 01/13/77         | 20                  | 60              | 20.0         | 145.4        | GGGG                  |                     |                      | 157                   | 32                   |
| 08120E                      | 4021N | 2434-04321        | 00000/0000            | 2-20022/1023         | 03/31/76         | 100                 | 6044            | 44.0         | 133.4        | GGGG                  |                     |                      | 157                   | 32                   |
| 08120E                      | 4021N | 2704-04234        | 00000/0000            | 2-20038/0170         | 12/26/76         | 100                 | 9809            | 19.3         | 148.2        | FFFF                  |                     |                      | 157                   | 32                   |
| 08119E                      | 2601N | 2719-04100        | 00000/0000            | 2-20038/1165         | 01/10/77         | 0                   | 18              | 29.5         | 139.0        | FGGG                  |                     |                      | 154                   | 42                   |
| 08118E                      | 4014N | 2416-04324        | 00000/0000            | 2-20022/0074         | 03/13/76         | 10                  | 5793            | 37.4         | 137.0        | FGGG                  |                     |                      | 157                   | 32                   |
| 08117E                      | 4017N | 2686-04242        | 00000/0000            | 2-20037/0433         | 12/08/76         | 20                  | 9558            | 20.9         | 149.9        | PGFG                  |                     |                      | 157                   | 32                   |
| 08117E                      | 3558N | 2667-04204        | 00000/0000            | 2-20036/0984         | 11/19/76         | 10                  | 9293            | 27.8         | 148.0        | GGGG                  |                     |                      | 154                   | 35                   |
| 08117E                      | 2558N | 2683-04113        | 00000/0000            | 2-20037/0124         | 12/05/76         | 0                   | 9516            | 31.8         | 143.2        | GGGG                  |                     |                      | 154                   | 42                   |
| 08117E                      | 1430N | 2699-04024        | 00000/0000            | 2-20037/1160         | 12/21/76         | 60                  | 9739            | 37.2         | 135.4        | GGGG                  |                     |                      | 152                   | 50                   |
| 08116E                      | 5834N | 2494-04593        | 00000/0000            | 2-20026/0097         | 05/30/76         | 80                  | 6881            | 49.7         | 145.8        | GFGG                  |                     |                      | 163                   | 19                   |
| 08116E                      | 4736N | 2454-04405        | 00000/0000            | 2-20024/0047         | 04/20/76         | 80                  | 6323            | 46.9         | 137.4        | GGGG                  |                     |                      | 159                   | 27                   |
| 08116E                      | 2017N | 2430-04151        | 00000/0000            | 2-20022/0721         | 03/27/76         | 0                   | 5988            | 50.5         | 111.8        | GGGG                  |                     |                      | 153                   | 46                   |
| 08115E                      | 4013N | 2668-04251        | 00000/0000            | 2-20036/1022         | 11/20/76         | 0                   | 9307            | 24.3         | 150.2        | GGGG                  |                     |                      | 157                   | 32                   |
| 08115E                      | 2555N | 2665-04121        | 00000/0000            | 2-20037/0227         | 11/17/76         | 70                  | 9265            | 35.4         | 142.2        | GGGG                  |                     |                      | 154                   | 42                   |
| 08115E                      | 2554N | 2647-04130        | 00000/0000            | 2-20035/0303         | 10/30/76         | 0                   | 9014            | 39.9         | 138.8        | GGGG                  |                     |                      | 154                   | 42                   |
| 08115E                      | 2553N | 2413-04194        | 00000/0000            | 2-20021/1413         | 03/10/76         | 0                   | 5751            | 43.8         | 125.1        | GGGG                  |                     |                      | 154                   | 42                   |
| 08115E                      | 2016N | 2700-04064        | 00000/0000            | 2-20037/1248         | 12/22/76         | 40                  | 9753            | 33.5         | 138.9        | GGGG                  |                     |                      | 153                   | 46                   |
| 08115E                      | 2015N | 2718-04060        | 00000/0000            | 2-20038/0888         | 01/09/77         | 0                   | 4               | 33.0         | 136.0        | FFPF                  |                     |                      | 153                   | 46                   |
| 08115E                      | 1428N | 2681-04032        | 00000/0000            | 2-20037/0043         | 12/03/76         | 60                  | 9488            | 39.7         | 136.0        | GGGG                  |                     |                      | 152                   | 50                   |
| 08115E                      | 1427N | 2717-04020        | 00000/0000            | 2-20038/1061         | 01/08/77         | 20                  | 9990            | 36.4         | 132.6        | FGFG                  |                     |                      | 152                   | 50                   |
| 08115E                      | 0836N | 2392-04081        | 00000/0000            | 2-20020/1664         | 02/18/76         | 50                  | 5458            | 45.1         | 116.6        | GGGF                  |                     |                      | 161                   | 58                   |
| 08114E                      | 4728N | 2472-04402        | 00000/0000            | 2-20024/1828         | 05/08/76         | 0                   | 6574            | 52.1         | 133.8        | GGGG                  |                     |                      | 159                   | 27                   |
| 08114E                      | 2555N | 2629-04133        | 00000/0000            | 2-20034/0652         | 10/12/76         | 0                   | 8763            | 44.5         | 132.7        | GGGG                  |                     |                      | 154                   | 42                   |
| 08114E                      | 2553N | 2377-04204        | 00000/0000            | 2-20020/0500         | 02/03/76         | 20                  | 5249            | 34.2         | 135.9        | FFGG                  |                     |                      | 154                   | 42                   |
| 08114E                      | 2014N | 2682-04073        | 00000/0000            | 2-20036/1899         | 12/04/76         | 0                   | 9502            | 35.9         | 139.8        | PPPF                  |                     |                      | 153                   | 46                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0897

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08113E 2554N                            | 2395-04201        | 00000/0000                   | 2-20021/0328                | 02/21/76         | 0                   | 5500            | 38.5         | 130.9        | GGGG                               |                     |                      | 154                   | 42                   |
| 08112E 5826N                            | 2512-04590        | 00000/0000                   | 2-20027/0078                | 06/17/76         | 20                  | 7132            | 51.0         | 143.5        | GGGG                               |                     |                      | 163                   | 19                   |
| 08112E 4730N                            | 2706-04330        | 00000/0000                   | 2-20038/0236                | 12/28/76         | 0                   | 9837            | 13.9         | 150.9        | GFPP                               |                     |                      | 159                   | 27                   |
| 08111E 5829N                            | 2530-04583        | 00000/0000                   | 2-20028/0716                | 07/05/76         | 10                  | 7383            | 50.0         | 142.5        | GGGG                               |                     |                      | 163                   | 19                   |
| 08111E 4730N                            | 2724-04321        | 00000/0000                   | 2-20039/0006                | 01/15/77         | 10                  | 88              | 15.2         | 148.2        | GGFG                               |                     |                      | 159                   | 27                   |
| 08111E 2011N                            | 2646-04085        | 00000/0000                   | 2-20035/0223                | 10/29/76         | 0                   | 9000            | 43.6         | 133.9        | GGGG                               |                     |                      | 153                   | 46                   |
| 08110E 2012N                            | 2394-04161        | 00000/0000                   | 2-20021/0253                | 02/20/76         | 0                   | 5486            | 41.0         | 126.5        | FFFF                               |                     |                      | 153                   | 46                   |
| 08110E 2010N                            | 2664-04081        | 00000/0000                   | 2-20036/0784                | 11/16/76         | 10                  | 9251            | 39.5         | 138.3        | FGFG                               |                     |                      | 153                   | 46                   |
| 08110E 2007N                            | 2376-04164        | 00000/0000                   | 2-20020/0784                | 02/02/76         | 0                   | 5235            | 37.3         | 132.2        | GGGG                               |                     |                      | 153                   | 46                   |
| 08109E 4725N                            | 2688-04334        | 00000/0000                   | 2-20037/0525                | 12/10/76         | 10                  | 9586            | 15.1         | 152.9        | GGGG                               |                     |                      | 159                   | 27                   |
| 08107E 5555N                            | 2475-04550        | 00000/0000                   | 2-20025/0256                | 05/11/76         | 60                  | 6616            | 47.9         | 144.6        | GGGG                               |                     |                      | 162                   | 21                   |
| 08107E 4721N                            | 2544-04383        | 00000/0000                   | 2-20028/1888                | 07/19/76         | 70                  | 7578            | 53.7         | 126.3        | GFGG                               |                     |                      | 159                   | 27                   |
| 08107E 4720N                            | 2490-04400        | 00000/0000                   | 2-20026/0050                | 05/26/76         | 10                  | 6825            | 55.4         | 129.6        | FGGG                               |                     |                      | 159                   | 27                   |
| 08106E 4717N                            | 2670-04343        | 00000/0000                   | 2-20036/0820                | 11/22/76         | 60                  | 9335            | 18.4         | 153.6        | FFGG                               |                     |                      | 159                   | 27                   |
| 08105E 5311N                            | 2456-04504        | 00000/0000                   | 2-20024/0355                | 04/22/76         | 10                  | 6351            | 44.2         | 143.6        | GGGG                               |                     |                      | 161                   | 23                   |
| 08104E 5024N                            | 2455-04454        | 00000/0000                   | 2-20024/0225                | 04/21/76         | 0                   | 6337            | 45.6         | 140.5        | GGGF                               |                     |                      | 160                   | 25                   |
| 08104E 4719N                            | 2526-04390        | 00000/0000                   | 2-20028/0426                | 07/01/76         | 50                  | 7327            | 56.0         | 124.8        | GGGG                               |                     |                      | 159                   | 27                   |
| 08104E 4717N                            | 2508-04393        | 00000/0000                   | 2-20026/1406                | 06/13/76         | 10                  | 7076            | 56.7         | 126.1        | FGFG                               |                     |                      | 159                   | 27                   |
| 08104E 3020N                            | 2702-04151        | 00000/0000                   | 2-20038/0491                | 12/24/76         | 30                  | 9781            | 26.6         | 144.0        | GFGG                               |                     |                      | 155                   | 39                   |
| 08104E 3020N                            | 2720-04143        | 00000/0000                   | 2-20038/1262                | 01/11/77         | 70                  | 32              | 26.7         | 141.0        | GGGG                               |                     |                      | 155                   | 39                   |
| 08103E 0715N                            | 2482-04055        | 00000/0000                   | 2-20025/0786                | 05/18/76         | 10                  | 6713            | 52.5         | 67.1         | GGGG                               |                     |                      | 151                   | 55                   |
| 08102E 5555N                            | 2583-04520        | 00000/0000                   | 2-20037/0138                | 08/27/76         | 30                  | 8122            | 39.7         | 145.6        | GGGG                               |                     |                      | 162                   | 21                   |
| 08102E 5019N                            | 2707-04375        | 00000/0000                   | 2-20038/0665                | 12/29/76         | 0                   | 9851            | 11.8         | 152.0        | FGGG                               |                     |                      | 160                   | 25                   |
| 08102E 3019N                            | 2684-04155        | 00000/0000                   | 2-20037/0324                | 12/06/76         | 0                   | 9530            | 28.6         | 145.4        | PGPP                               |                     |                      | 155                   | 39                   |
| 08101E 5552N                            | 2565-04524        | 00000/0000                   | 2-20037/0002                | 08/09/76         | 10                  | 7871            | 44.9         | 141.8        | GGGG                               |                     |                      | 162                   | 21                   |
| 08101E 5020N                            | 2725-04371        | 00000/0000                   | 2-20039/0072                | 01/16/77         | 20                  | 102             | 13.3         | 149.4        | GGG                                |                     |                      | 160                   | 25                   |
| 08101E 5016N                            | 2473-04452        | 00000/0000                   | 2-20024/1866                | 05/09/76         | 0                   | 6588            | 50.8         | 137.4        | GGGG                               |                     |                      | 160                   | 25                   |
| 08101E 0716N                            | 2572-04033        | 00000/0000                   | 2-20030/1593                | 08/16/76         | 30                  | 7968            | 51.1         | 77.2         | GGGG                               |                     |                      | 151                   | 55                   |
| 08101E 0715N                            | 2428-04073        | 00000/0000                   | 2-20027/0631                | 03/25/76         | 30                  | 5960            | 51.2         | 96.1         | GGGG                               |                     |                      | 151                   | 55                   |
| 08100E 5548N                            | 2493-04543        | 00000/0000                   | 2-20026/0398                | 05/29/76         | 70                  | 6867            | 51.3         | 141.9        | GGGG                               |                     |                      | 162                   | 21                   |
| 08100E 5308N                            | 2474-04501        | 00000/0000                   | 2-20025/0005                | 05/10/76         | 10                  | 6602            | 49.4         | 141.1        | GGGG                               |                     |                      | 161                   | 23                   |
| 08100E 5308N                            | 2708-04424        | 00000/0000                   | 2-20038/0382                | 12/30/76         | 10                  | 9865            | 9.7          | 153.2        | FFGF                               |                     |                      | 161                   | 23                   |
| 08100E 0714N                            | 2536-04043        | 00000/0000                   | 2-20028/1022                | 07/11/76         | 20                  | 7466            | 49.5         | 64.2         | GGGG                               |                     |                      | 151                   | 55                   |
| 08059E 5547N                            | 2547-04531        | 00000/0000                   | 2-20028/1606                | 07/22/76         | 80                  | 7620            | 49.1         | 139.2        | GGGG                               |                     |                      | 162                   | 21                   |
| 08059E 5309N                            | 2726-04420        | 00000/0000                   | 2-20039/0045                | 01/17/77         | 30                  | 116             | 11.4         | 150.6        | FGGG                               |                     |                      | 161                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 28, 177

LANDSAT-2  
COORDINATE LISTING  
FOR N6N-US  
FROM 01/22/76 TO 01/22/77

PAGE 0898

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 08059E                      | 4318N             | 2453-04362            | 00000/0000           | 2-20024/0106     | 04/19/76            | 90              | 6309         | 48.9         | 132.5                 | GGGG                |                      | 158                   | 30                   |
| 08058E                      | 5545N             | 2529-04534            | 00000/0000           | 2-20028/0628     | 07/04/76            | 20              | 7369         | 51.7         | 138.3                 | GGGG                |                      | 162                   | 21                   |
| 08058E                      | 5308N             | 2438-04511            | 00000/0000           | 2-20022/1238     | 04/04/76            | 60              | 6100         | 37.8         | 145.3                 | FGGG                |                      | 161                   | 23                   |
| 08057E                      | 5016N             | 2563-04425            | 00000/0000           | 2-20030/0921     | 08/07/76            | 80              | 7843         | 48.6         | 134.2                 | GGGG                |                      | 160                   | 25                   |
| 08057E                      | 4314N             | 2705-04283            | 00000/0000           | 2-20038/0210     | 12/27/76            | 0               | 9823         | 17.1         | 149.3                 | GGFG                |                      | 158                   | 30                   |
| 08057E                      | 4311N             | 2471-04360            | 00000/0000           | 2-20024/1727     | 05/07/76            | 30              | 6560         | 53.9         | 127.8                 | GGGG                |                      | 158                   | 30                   |
| 08056E                      | 5541N             | 2511-04541            | 00000/0000           | 2-20026/1556     | 06/16/76            | 70              | 7118         | 52.6         | 139.3                 | GGGG                |                      | 162                   | 21                   |
| 08056E                      | 5306N             | 2564-04474            | 00000/0000           | 2-20030/0945     | 08/08/76            | 30              | 7857         | 46.8         | 138.1                 | GGGG                |                      | 161                   | 23                   |
| 08056E                      | 5010N             | 2527-04435            | 00000/0000           | 2-20028/0674     | 07/02/76            | 40              | 7341         | 54.7         | 129.5                 | GGGG                |                      | 160                   | 25                   |
| 08056E                      | 5008N             | 2545-04432            | 00000/0000           | 2-20029/0049     | 07/20/76            | 50              | 7592         | 52.3         | 130.7                 | GGGG                |                      | 160                   | 25                   |
| 08056E                      | 4313N             | 2435-04370            | 00000/0000           | 2-20022/1130     | 04/01/76            | 50              | 6058         | 42.8         | 136.1                 | FGGG                |                      | 158                   | 30                   |
| 08056E                      | 3858N             | 2470-04313            | 00000/0000           | 2-20024/1430     | 05/06/76            | 20              | 6546         | 55.4         | 121.8                 | FGGG                |                      | 157                   | 33                   |
| 08056E                      | 2435N             | 2431-04193            | 00000/0000           | 2-20022/0745     | 03/28/76            | 60              | 6002         | 49.7         | 116.7                 | GGGG                |                      | 154                   | 43                   |
| 08056E                      | 2435N             | 2719-04102            | 00000/0000           | 2-20038/1166     | 01/10/77            | 0               | 18           | 30.4         | 138.2                 | FGGG                |                      | 154                   | 43                   |
| 08056E                      | 1303N             | 2699-04030            | 00000/0000           | 2-20037/1161     | 12/21/76            | 90              | 9739         | 38.1         | 134.5                 | FGGG                |                      | 152                   | 51                   |
| 08055E                      | 5259N             | 2492-04494            | 00000/0000           | 2-20026/0242     | 05/28/76            | 80              | 6853         | 52.8         | 137.9                 | GGGG                |                      | 161                   | 23                   |
| 08055E                      | 5009N             | 2671-04392            | 00000/0000           | 2-20036/1171     | 11/23/76            | 10              | 9349         | 15.9         | 154.9                 | FGGG                |                      | 160                   | 25                   |
| 08055E                      | 4314N             | 2723-04275            | 00000/0000           | 2-20038/1388     | 01/14/77            | 10              | 74           | 18.1         | 146.5                 | GGGG                |                      | 158                   | 30                   |
| 08055E                      | 4307N             | 2417-04373            | 00000/0000           | 2-20021/1599     | 03/14/76            | 20              | 5807         | 36.1         | 139.2                 | GGGG                |                      | 158                   | 30                   |
| 08055E                      | 3800N             | 2452-04320            | 00000/0000           | 2-20023/0380     | 04/18/76            | 10              | 6295         | 50.7         | 127.4                 | GGGG                |                      | 157                   | 33                   |
| 08055E                      | 3438N             | 2703-04194            | 00000/0000           | 2-20038/0133     | 12/25/76            | 40              | 9795         | 23.5         | 145.8                 | FGFF                |                      | 156                   | 36                   |
| 08055E                      | 1850N             | 2430-04153            | 00000/0000           | 2-20022/0722     | 03/27/76            | 0               | 5988         | 50.8         | 110.0                 | GGGG                |                      | 153                   | 47                   |
| 08055E                      | 1300N             | 2717-04022            | 00000/0000           | 2-20038/1062     | 01/08/77            | 30              | 9990         | 37.2         | 131.6                 | GGGG                |                      | 152                   | 51                   |
| 08055E                      | 0709N             | 2392-04083            | 00000/0000           | 2-20020/1665     | 02/18/76            | 30              | 5458         | 45.5         | 115.2                 | GGGF                |                      | 151                   | 55                   |
| 08054E                      | 5308N             | 2582-04471            | 00000/0000           | 2-20032/0136     | 08/26/76            | 10              | 8108         | 41.8         | 142.3                 | GGGG                |                      | 161                   | 23                   |
| 08054E                      | 5304N             | 2690-04432            | 00000/0000           | 2-20037/0672     | 12/12/76            | 10              | 9614         | 10.4         | 155.3                 | PFFF                |                      | 161                   | 23                   |
| 08054E                      | 5005N             | 2509-04442            | 00000/0000           | 2-20026/1605     | 06/14/76            | 0               | 7090         | 55.5         | 130.6                 | GGGG                |                      | 160                   | 25                   |
| 08054E                      | 4311N             | 2561-04333            | 00000/0000           | 2-20030/0851     | 08/05/76            | 40              | 7815         | 52.2         | 124.0                 | GGGG                |                      | 158                   | 30                   |
| 08054E                      | 4311N             | 2687-04291            | 00000/0000           | 2-20037/0493     | 12/09/76            | 0               | 9572         | 18.5         | 151.1                 | GGGG                |                      | 158                   | 30                   |
| 08054E                      | 3439N             | 2721-04185            | 00000/0000           | 2-20038/0973     | 01/12/77            | 50              | 46           | 23.9         | 142.9                 | GGGG                |                      | 156                   | 36                   |
| 08054E                      | 3435N             | 2685-04202            | 00000/0000           | 2-20036/1815     | 12/07/76            | 10              | 9544         | 25.3         | 147.4                 | GGGG                |                      | 156                   | 36                   |
| 08054E                      | 2432N             | 2683-04115            | 00000/0000           | 2-20037/0125     | 12/05/76            | 0               | 9516         | 32.8         | 142.4                 | GGGG                |                      | 154                   | 43                   |
| 08054E                      | 1302N             | 2681-04035            | 00000/0000           | 2-20037/0044     | 12/03/76            | 60              | 9488         | 40.5         | 134.9                 | GGGG                |                      | 152                   | 51                   |
| 08053E                      | 5259N             | 2546-04482            | 00000/0000           | 2-20028/1597     | 07/21/76            | 80              | 7606         | 50.8         | 135.0                 | GGG                 |                      | 161                   | 23                   |
| 08053E                      | 4306N             | 2543-04340            | 00000/0000           | 2-20028/1848     | 07/18/76            | 10              | 7564         | 55.4         | 119.4                 | GGGG                |                      | 158                   | 30                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0499

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08053E 1849N                            | 2700-04071        | 00000/0000                   | 2-20037/1249                | 12/22/76         | 50                  | 9753            | 34.5         | 138.1        | GGGG                               |                     |                      | 153                   | 47                   |
| 08053E 1848N                            | 2718-04062        | 00000/0000                   | 2-20038/0889                | 01/09/77         | 0                   | 4               | 33.9         | 135.1        | FFFG                               |                     |                      | 153                   | 47                   |
| 08052E 5305N                            | 2600-04464        | 00000/0000                   | 2-20032/1192                | 09/13/76         | 70                  | 8359            | 36.1         | 146.8        | G GG                               |                     |                      | 161                   | 23                   |
| 08052E 2429N                            | 2665-04124        | 00000/0000                   | 2-20037/0228                | 11/17/76         | 40                  | 9245            | 36.4         | 141.3        | GGGG                               |                     |                      | 154                   | 43                   |
| 08052E 2428N                            | 2647-04132        | 00000/0000                   | 2-20035/0304                | 10/30/76         | 0                   | 9014            | 40.8         | 137.7        | FGGG                               |                     |                      | 154                   | 43                   |
| 08052E 1847N                            | 2682-04075        | 00000/0000                   | 2-20034/1900                | 12/04/76         | 30                  | 9502            | 36.8         | 138.9        | FQPF                               |                     |                      | 153                   | 47                   |
| 08052E 1300N                            | 2663-04043        | 00000/0000                   | 2-20036/0677                | 11/15/76         | 40                  | 9237            | 44.0         | 132.5        | GGGG                               |                     |                      | 152                   | 51                   |
| 08051E 5257N                            | 2672-04441        | 00000/0000                   | 2-20037/0169                | 11/24/76         | 10                  | 9363            | 13.4         | 156.3        | GFGG                               |                     |                      | 161                   | 23                   |
| 08051E 5256N                            | 2528-04485        | 00000/0000                   | 2-20028/0605                | 07/03/76         | 20                  | 7355            | 53.3         | 133.9        | GGGG                               |                     |                      | 161                   | 23                   |
| 08051E 4304N                            | 2507-04350        | 00000/0000                   | 2-20026/1380                | 06/12/76         | 20                  | 7062            | 58.1         | 118.9        | GGGG                               |                     |                      | 158                   | 30                   |
| 08051E 4303N                            | 2669-04300        | 00000/0000                   | 2-20036/0516                | 11/21/76         | 10                  | 9321            | 21.9         | 151.6        | GGGG                               |                     |                      | 158                   | 30                   |
| 08051E 3855N                            | 2434-04323        | 00000/0000                   | 2-20022/1024                | 03/31/76         | 100                 | 6044            | 44.7         | 132.0        | GGFG                               |                     |                      | 157                   | 33                   |
| 08051E 3855N                            | 2704-04240        | 00000/0000                   | 2-20038/0171                | 12/26/76         | 100                 | 9809            | 20.4         | 147.6        | FFFF                               |                     |                      | 157                   | 33                   |
| 08051E 3432N                            | 2667-04211        | 00000/0000                   | 2-20036/0985                | 11/19/76         | 10                  | 9293            | 28.8         | 147.3        | GGGG                               |                     |                      | 156                   | 36                   |
| 08051E 2427N                            | 2413-04201        | 00000/0000                   | 2-20021/1414                | 03/10/76         | 0                   | 5751            | 44.4         | 123.7        | GGGG                               |                     |                      | 154                   | 43                   |
| 08050E 5252N                            | 2510-04492        | 00000/0000                   | 2-20026/1636                | 06/15/76         | 10                  | 7104            | 54.1         | 135.0        | GGGG                               |                     |                      | 161                   | 23                   |
| 08050E 4302N                            | 2525-04343        | 00000/0000                   | 2-20028/0479                | 06/30/76         | 60                  | 7313            | 57.4         | 117.5        | FGGG                               |                     |                      | 158                   | 30                   |
| 08050E 3857N                            | 2722-04232        | 00000/0000                   | 2-20038/1322                | 01/13/77         | 10                  | 60              | 21.0         | 144.7        | GGGG                               |                     |                      | 157                   | 33                   |
| 08050E 2429N                            | 2629-04140        | 00000/0000                   | 2-20034/0653                | 10/12/76         | 0                   | 8763            | 45.3         | 131.4        | GGGG                               |                     |                      | 154                   | 43                   |
| 08050E 2427N                            | 2377-04211        | 00000/0000                   | 2-20020/0501                | 02/03/76         | 10                  | 5249            | 35.1         | 134.9        | FFGG                               |                     |                      | 154                   | 43                   |
| 08050E 1844N                            | 2646-04092        | 00000/0000                   | 2-20035/0224                | 10/29/76         | 0                   | 9000            | 44.4         | 132.6        | GGG                                |                     |                      | 153                   | 47                   |
| 08049E 3849N                            | 2416-04331        | 00000/0000                   | 2-20022/0075                | 03/13/76         | 20                  | 5793            | 38.3         | 135.8        | FGGG                               |                     |                      | 157                   | 33                   |
| 08049E 2428N                            | 2395-04204        | 00000/0000                   | 2-20021/0329                | 02/21/76         | 0                   | 5500            | 39.2         | 129.7        | FFFF                               |                     |                      | 154                   | 43                   |
| 08048E 4305N                            | 2615-04320        | 00000/0000                   | 2-20034/0009                | 09/28/76         | 70                  | 8568            | 38.0         | 142.4        | GGGG                               |                     |                      | 158                   | 30                   |
| 08048E 4303N                            | 2651-04304        | 00000/0000                   | 2-20035/0481                | 11/03/76         | 50                  | 9070            | 26.7         | 150.3        | GGGG                               |                     |                      | 158                   | 30                   |
| 08048E 4301N                            | 2633-04312        | 00000/0000                   | 2-20034/0629                | 10/16/76         | 0                   | 8819            | 32.3         | 147.2        | GGGG                               |                     |                      | 158                   | 30                   |
| 08048E 3852N                            | 2686-04245        | 00000/0000                   | 2-20037/0434                | 12/08/76         | 50                  | 9558            | 21.9         | 149.3        | FGGG                               |                     |                      | 157                   | 33                   |
| 08048E 1843N                            | 2664-04084        | 00000/0000                   | 2-20036/0785                | 11/16/76         | 20                  | 9251            | 40.4         | 137.2        | FGGG                               |                     |                      | 153                   | 47                   |
| 08046E 3848N                            | 2668-04253        | 00000/0000                   | 2-20036/1023                | 11/20/76         | 0                   | 9307            | 25.4         | 149.5        | FGGG                               |                     |                      | 157                   | 33                   |
| 08043E 0548N                            | 2482-04062        | 00000/0000                   | 2-20025/0787                | 05/18/76         | 20                  | 6713            | 51.7         | 65.5         | GGFF                               |                     |                      | 151                   | 56                   |
| 08041E 4611N                            | 2454-04412        | 00000/0000                   | 2-20024/0048                | 04/20/76         | 70                  | 6323            | 47.7         | 135.8        | GGGG                               |                     |                      | 159                   | 28                   |
| 08041E 2855N                            | 2432-04240        | 00000/0000                   | 2-20022/0838                | 03/29/76         | 0                   | 6016            | 48.5         | 121.5        | GGGG                               |                     |                      | 155                   | 40                   |
| 08041E 0548N                            | 2428-04075        | 00000/0000                   | 2-20022/0632                | 03/25/76         | 20                  | 5960            | 51.1         | 94.3         | GGGG                               |                     |                      | 151                   | 56                   |
| 08040E 0547N                            | 2536-04050        | 00000/0000                   | 2-20028/1023                | 07/11/76         | 10                  | 7466            | 48.6         | 62.8         | GGGG                               |                     |                      | 151                   | 56                   |
| 08039E 2854N                            | 2702-04153        | 00000/0000                   | 2-20038/0492                | 12/24/76         | 10                  | 9781            | 27.6         | 143.3        | FGGG                               |                     |                      | 155                   | 40                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0400

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08039E 2854N                            | 2720-04145        | 00000/0000                   | 2-20038/1263               | 01/11/77         | 30                  | 32              | 27.7         | 140.3        | GGGG                               |                     |                      | 155                   | 40                   |
| 08038E 4604N                            | 2472-04405        | 00000/0000                   | 2-20024/1829               | 05/08/76         | 0                   | 6574            | 52.8         | 131.8        | FGGG                               |                     |                      | 159                   | 28                   |
| 08038E 2853N                            | 2684-04162        | 00000/0000                   | 2-20037/0325               | 12/06/76         | 0                   | 9530            | 29.6         | 144.7        | GGPF                               |                     |                      | 155                   | 40                   |
| 08037E 4605N                            | 2706-04332        | 00000/0000                   | 2-20038/0237               | 12/28/76         | 10                  | 9837            | 15.0         | 150.3        | GFPP                               |                     |                      | 159                   | 28                   |
| 08037E 2847N                            | 2414-04244        | 00000/0000                   | 2-20021/1470               | 03/11/76         | 10                  | 5745            | 42.8         | 127.5        | GGGG                               |                     |                      | 155                   | 40                   |
| 08035E 4605N                            | 2724-04324        | 00000/0000                   | 2-20039/0007               | 01/15/77         | 80                  | 88              | 16.2         | 147.6        | GGFG                               |                     |                      | 159                   | 28                   |
| 08035E 0543N                            | 2392-04090        | 00000/0000                   | 2-20020/1666               | 02/18/76         | 20                  | 5458            | 45.9         | 113.7        | GGFG                               |                     |                      | 151                   | 56                   |
| 08034E 2845N                            | 2396-04251        | 00000/0000                   | 2-20021/0387               | 02/22/76         | 30                  | 5514            | 37.2         | 132.8        | FGGG                               |                     |                      | 155                   | 40                   |
| 08033E 5723N                            | 2458-05005        | 00000/0000                   | 2-20024/0394               | 04/24/76         | 80                  | 6379            | 42.0         | 148.3        | GGGG                               |                     |                      | 163                   | 20                   |
| 08033E 4600N                            | 2688-04341        | 00000/0000                   | 2-20037/0526               | 12/10/76         | 10                  | 9586            | 16.2         | 152.3        | GGGG                               |                     |                      | 159                   | 28                   |
| 08033E 2843N                            | 2630-04183        | 00000/0000                   | 2-20034/0775               | 10/13/76         | 10                  | 8777            | 42.6         | 135.6        | GGGG                               |                     |                      | 155                   | 40                   |
| 08033E 2840N                            | 2378-04253        | 00000/0000                   | 2-20020/0902               | 02/04/76         | 90                  | 5263            | 32.7         | 137.4        | FFFG                               |                     |                      | 155                   | 40                   |
| 08033E 2309N                            | 2719-04105        | 00000/0000                   | 2-20038/1167               | 01/10/77         | 0                   | 18              | 31.3         | 137.4        | FGGG                               |                     |                      | 154                   | 44                   |
| 08033E 2308N                            | 2431-04200        | 00000/0000                   | 2-20022/0746               | 03/28/76         | 20                  | 6002            | 50.1         | 114.9        | GGGG                               |                     |                      | 154                   | 44                   |
| 08032E 4556N                            | 2544-04390        | 00000/0000                   | 2-20028/1889               | 07/19/76         | 70                  | 7578            | 54.3         | 124.1        | GFGG                               |                     |                      | 159                   | 28                   |
| 08032E 4555N                            | 2490-04402        | 00000/0000                   | 2-20025/0051               | 05/26/76         | 10                  | 6825            | 56.0         | 127.3        | GGGG                               |                     |                      | 159                   | 28                   |
| 08032E 2306N                            | 2683-04122        | 00000/0000                   | 2-20037/0126               | 12/05/76         | 0                   | 9516            | 33.8         | 141.6        | GGGG                               |                     |                      | 154                   | 44                   |
| 08032E 1723N                            | 2700-04073        | 00000/0000                   | 2-20037/1250               | 12/22/76         | 70                  | 97F3            | 35.4         | 137.2        | GGGG                               |                     |                      | 153                   | 48                   |
| 08032E 1721N                            | 2718-04065        | 00000/0000                   | 2-20038/0890               | 01/09/77         | 10                  | 4               | 34.8         | 134.2        | FGFG                               |                     |                      | 153                   | 48                   |
| 08031E 1721N                            | 2682-04082        | 00000/0000                   | 2-20036/1901               | 12/04/76         | 80                  | 9502            | 37.7         | 138.0        | FGFF                               |                     |                      | 153                   | 48                   |
| 08030E 4552N                            | 2508-04400        | 00000/0000                   | 2-20026/1407               | 06/13/76         | 20                  | 7076            | 57.2         | 123.7        | FGGG                               |                     |                      | 159                   | 28                   |
| 08030E 4552N                            | 2670-04345        | 00000/0000                   | 2-20036/0821               | 11/22/76         | 30                  | 9335            | 19.5         | 152.9        | FGGG                               |                     |                      | 159                   | 28                   |
| 08030E 2304N                            | 2665-04130        | 00000/0000                   | 2-20037/0229               | 11/17/76         | 60                  | 9265            | 37.4         | 140.4        | GGGG                               |                     |                      | 154                   | 44                   |
| 08030E 2302N                            | 2647-04135        | 00000/0000                   | 2-20035/0305               | 10/30/76         | 0                   | 9014            | 41.7         | 136.6        | GFGG                               |                     |                      | 154                   | 44                   |
| 08029E 5716N                            | 2476-05002        | 00000/0000                   | 2-20024/1649               | 05/12/76         | 70                  | 6630            | 47.2         | 146.3        | GGGG                               |                     |                      | 163                   | 20                   |
| 08029E 4554N                            | 2526-04393        | 00000/0000                   | 2-20028/0427               | 07/01/76         | 50                  | 7327            | 56.5         | 122.4        | GGGG                               |                     |                      | 159                   | 28                   |
| 08029E 3312N                            | 2703-04200        | 00000/0000                   | 2-20038/0134               | 12/25/76         | 40                  | 9795            | 24.5         | 145.2        | FFFG                               |                     |                      | 156                   | 37                   |
| 08029E 2300N                            | 2413-04203        | 00000/0000                   | 2-20021/1415               | 03/10/76         | 0                   | 5751            | 45.0         | 122.2        | GGGG                               |                     |                      | 154                   | 44                   |
| 08028E 5717N                            | 2566-04575        | 00000/0000                   | 2-20030/1037               | 08/10/76         | 90                  | 7885            | 43.8         | 143.8        | GGGG                               |                     |                      | 163                   | 20                   |
| 08028E 4152N                            | 2453-04365        | 00000/0000                   | 2-20023/0419               | 04/19/76         | 70                  | 6309            | 49.6         | 130.8        | GGGF                               |                     |                      | 153                   | 31                   |
| 08028E 3733N                            | 2470-04315        | 00000/0000                   | 2-20024/1431               | 05/06/76         | 10                  | 6546            | 55.8         | 119.5        | GGFG                               |                     |                      | 157                   | 34                   |
| 08028E 3313N                            | 2721-04192        | 00000/0000                   | 2-20038/0974               | 01/12/77         | 50                  | 46              | 24.9         | 142.3        | GGGG                               |                     |                      | 156                   | 37                   |
| 08028E 3310N                            | 2685-04205        | 00000/0000                   | 2-20036/1816               | 12/07/76         | 0                   | 9544            | 26.3         | 146.8        | GGGG                               |                     |                      | 156                   | 37                   |
| 08027E 5721N                            | 2584-04572        | 00000/0000                   | 2-20032/0279               | 08/28/76         | 90                  | 8136            | 38.5         | 147.4        | GGGG                               |                     |                      | 163                   | 20                   |
| 08027E 2302N                            | 2395-04210        | 00000/0000                   | 2-20021/0330               | 02/21/76         | 0                   | 5500            | 39.9         | 128.6        | GGGG                               |                     |                      | 154                   | 44                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0901

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08027E 1718N                            | 2664-04090        | 00000/0000                   | 2-20036/0786                | 11/16/76         | 30                  | 9251            | 41.2         | 136.1        | FGGG                               |                     |                      | 153                   | 48                   |
| 08026E 5719N                            | 2602-04565        | 00000/0000                   | 2-20032/1294                | 09/15/76         | 90                  | 8387            | 32.4         | 151.2        | GGGG                               |                     |                      | 163                   | 20                   |
| 08026E 4145N                            | 2471-04362        | 00000/0000                   | 2-20024/1728                | 05/07/76         | 20                  | 6560            | 54.5         | 125.7        | GFGG                               |                     |                      | 158                   | 31                   |
| 08026E 3735N                            | 2452-04322        | 00000/0000                   | 2-20023/0381                | 04/18/76         | 10                  | 6295            | 51.3         | 125.5        | GGGG                               |                     |                      | 157                   | 34                   |
| 08025E 4900N                            | 2455-04461        | 00000/0000                   | 2-20024/0226                | 04/21/76         | 0                   | 6337            | 46.4         | 138.9        | GGGG                               |                     |                      | 160                   | 26                   |
| 08025E 4149N                            | 2705-04285        | 00000/0000                   | 2-20038/0211                | 12/27/76         | 10                  | 9823            | 18.2         | 148.7        | GGGG                               |                     |                      | 158                   | 31                   |
| 08025E 4148N                            | 2435-04372        | 00000/0000                   | 2-20022/1131                | 04/01/76         | 20                  | 6058            | 43.6         | 134.7        | GGGG                               |                     |                      | 158                   | 31                   |
| 08025E 3307N                            | 2667-04213        | 00000/0000                   | 2-20036/0986                | 11/19/76         | 10                  | 9293            | 29.9         | 146.5        | GGGG                               |                     |                      | 156                   | 37                   |
| 08024E 4854N                            | 2707-04381        | 00000/0000                   | 2-20038/0666                | 12/29/76         | 10                  | 9851            | 12.9         | 151.4        | FGGG                               |                     |                      | 160                   | 26                   |
| 08024E 4149N                            | 2723-04281        | 00000/0000                   | 2-20038/1389                | 01/14/77         | 30                  | 74              | 19.1         | 145.8        | GGGG                               |                     |                      | 158                   | 31                   |
| 08023E 5710N                            | 2494-04595        | 00000/0000                   | 2-20026/0098                | 05/30/76         | 80                  | 6881            | 50.6         | 143.8        | GGGG                               |                     |                      | 163                   | 20                   |
| 08023E 5709N                            | 2548-04583        | 00000/0000                   | 2-20029/0171                | 07/23/76         | 50                  | 7634            | 48.1         | 141.2        | GGGG                               |                     |                      | 163                   | 20                   |
| 08023E 4855N                            | 2725-04373        | 00000/0000                   | 2-20038/0073                | 01/16/77         | 20                  | 102             | 14.3         | 148.7        | GGG                                |                     |                      | 160                   | 26                   |
| 08023E 4146N                            | 2687-04294        | 00000/0000                   | 2-20037/0494                | 12/09/76         | 20                  | 9572            | 19.6         | 150.5        | GGGG                               |                     |                      | 158                   | 31                   |
| 08023E 4142N                            | 2417-04380        | 00000/0000                   | 2-20021/1600                | 03/14/76         | 50                  | 5807            | 36.9         | 138.0        | GGGG                               |                     |                      | 158                   | 31                   |
| 08023E 3730N                            | 2434-04330        | 00000/0000                   | 2-20022/1025                | 03/31/76         | 100                 | 6044            | 45.5         | 130.5        | GGGG                               |                     |                      | 157                   | 34                   |
| 08022E 5147N                            | 2456-04510        | 00000/0000                   | 2-20024/0356                | 04/22/76         | 10                  | 6351            | 45.1         | 142.0        | GGGG                               |                     |                      | 161                   | 24                   |
| 08022E 4852N                            | 2473-04454        | 00000/0000                   | 2-20024/1867                | 05/09/76         | 0                   | 6588            | 51.6         | 135.5        | GGGG                               |                     |                      | 160                   | 26                   |
| 08022E 4849N                            | 2689-04390        | 00000/0000                   | 2-20037/0647                | 12/11/76         | 0                   | 9600            | 13.9         | 153.4        | GGGG                               |                     |                      | 160                   | 26                   |
| 08022E 3731N                            | 2722-04235        | 00000/0000                   | 2-20038/1323                | 01/13/77         | 0                   | 60              | 22.0         | 144.1        | GGGG                               |                     |                      | 157                   | 34                   |
| 08022E 3729N                            | 2704-04243        | 00000/0000                   | 2-20038/0172                | 12/26/76         | 100                 | 9309            | 21.4         | 146.9        | FFFF                               |                     |                      | 157                   | 34                   |
| 08022E 0421N                            | 2482-04064        | 00000/0000                   | 2-20025/0788                | 05/18/76         | 20                  | 6713            | 50.9         | 64.0         | GGGG                               |                     |                      | 151                   | 57                   |
| 08021E 0422N                            | 2428-04032        | 00000/0000                   | 2-20022/0633                | 03/25/76         | 20                  | 5960            | 50.9         | 92.5         | FGGG                               |                     |                      | 151                   | 57                   |
| 08020E 4138N                            | 2669-04303        | 00000/0000                   | 2-20036/0517                | 11/21/76         | 20                  | 9321            | 23.0         | 150.9        | GGGG                               |                     |                      | 158                   | 31                   |
| 08020E 3726N                            | 2686-04251        | 00000/0000                   | 2-20037/0435                | 12/08/76         | 60                  | 9558            | 23.0         | 148.7        | GGGG                               |                     |                      | 157                   | 34                   |
| 08020E 3724N                            | 2416-04333        | 00000/0000                   | 2-20022/0076                | 03/13/76         | 20                  | 5793            | 39.1         | 134.6        | FGGG                               |                     |                      | 157                   | 34                   |
| 08019E 5430N                            | 2475-04553        | 00000/0000                   | 2-20025/0257                | 05/11/76         | 30                  | 6616            | 48.7         | 142.8        | GGGG                               |                     |                      | 162                   | 22                   |
| 08019E 4851N                            | 2563-04432        | 00000/0000                   | 2-20030/0922                | 08/07/76         | 80                  | 7843            | 49.3         | 132.3        | GGGG                               |                     |                      | 160                   | 26                   |
| 08018E 5706N                            | 2530-04590        | 00000/0000                   | 2-20028/0717                | 07/05/76         | 10                  | 7383            | 50.9         | 140.4        | GGGG                               |                     |                      | 163                   | 20                   |
| 08018E 5144N                            | 2474-04503        | 00000/0000                   | 2-20025/0006                | 05/10/76         | 60                  | 6602            | 50.2         | 139.2        | GGGG                               |                     |                      | 161                   | 24                   |
| 08018E 4843N                            | 2545-04435        | 00000/0000                   | 2-20029/0050                | 07/20/76         | 50                  | 7592            | 53.0         | 128.6        | GGGG                               |                     |                      | 160                   | 26                   |
| 08018E 3722N                            | 2668-04260        | 00000/0000                   | 2-20036/1024                | 11/20/76         | 0                   | 9307            | 26.5         | 148.8        | FGGG                               |                     |                      | 157                   | 34                   |
| 08018E 2729N                            | 2432-04243        | 00000/0000                   | 2-20022/0847                | 03/29/76         | 10                  | 6016            | 49.0         | 119.8        | GGGG                               |                     |                      | 155                   | 41                   |
| 08017E 4845N                            | 2527-04442        | 00000/0000                   | 2-20028/0675                | 07/02/76         | 30                  | 7341            | 55.3         | 127.2        | GGGG                               |                     |                      | 160                   | 26                   |
| 08017E 4845N                            | 2671-04394        | 00000/0000                   | 2-20036/1157                | 11/23/76         | 10                  | 9349            | 17.0         | 154.3        | G GG                               |                     |                      | 160                   | 26                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

C2144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 08017E                      | 4140N             | 2615-04322                              | 00000/0000       | 2-20034/0010        | 09/28/76        | 40           | 8568         | 38.9                  | 141.3               |                      |                       |                      |
| 08017E                      | 4137N             | 2651-04311                              | 00000/0000       | 2-20035/0482        | 11/03/76        | 40           | 9070         | 27.8                  | 149.5               | GGGG                 | 158                   | 31                   |
| 08017E                      | 4136N             | 2633-04315                              | 00000/0000       | 2-20034/0630        | 10/16/76        | 0            | 8819         | 33.3                  | 146.2               | GGGG                 | 158                   | 31                   |
| 08017E                      | 1007N             | 2483-04105                              | 00000/0000       | 2-20025/0806        | 05/19/76        | 20           | 6727         | 53.9                  | 70.2                | GGGG                 | 158                   | 31                   |
| 08016E                      | 5144N             | 2702-04431                              | 00000/0000       | 2-20038/0383        | 12/30/76        | 0            | 9865         | 10.7                  | 152.5               | FGGG                 | 152                   | 53                   |
| 08016E                      | 5144N             | 2726-04422                              | 00000/0000       | 2-20039/0046        | 01/17/77        | 30           | 116          | 12.4                  | 149.9               | FFGG                 | 161                   | 24                   |
| 08016E                      | 4840N             | 2509-04445                              | 00000/0000       | 2-20026/1606        | 06/14/76        | 0            | 7090         | 56.1                  | 128.3               | GGGG                 | 161                   | 24                   |
| 08016E                      | 2729N             | 2702-04160                              | 00000/0000       | 2-20038/0493        | 12/24/76        | 0            | 9781         | 28.6                  | 142.6               | GGGG                 | 160                   | 24                   |
| 08015E                      | 5143N             | 2438-04513                              | 00000/0000       | 2-20022/1239        | 04/04/76        | 90           | 6100         | 38.7                  | 144.0               | GGGG                 | 155                   | 41                   |
| 08015E                      | 3720N             | 2650-04264                              | 00000/0000       | 2-20035/0438        | 11/02/76        | 60           | 9056         | 31.2                  | 143.9               | GGGG                 | 161                   | 24                   |
| 08015E                      | 2728N             | 2720-04152                              | 00000/0000       | 2-20038/1264        | 01/11/77        | 10           | 32           | 28.6                  | 139.6               | FGGG                 | 157                   | 34                   |
| 08015E                      | 2727N             | 2684-04164                              | 00000/0000       | 2-20037/0326        | 12/06/76        | 10           | 9530         | 30.6                  | 144.0               | PPPP                 | 155                   | 41                   |
| 08015E                      | 0417N             | 2392-04092                              | 00000/0000       | 2-20021/1667        | 02/18/76        | 60           | 5458         | 46.3                  | 112.2               | FGFF                 | 155                   | 41                   |
| 08014E                      | 5431N             | 2583-04523                              | 00000/0000       | 2-20032/0189        | 03/27/76        | 10           | 8122         | 40.6                  | 144.1               | GGGG                 | 151                   | 57                   |
| 08014E                      | 5428N             | 2565-04530                              | 00000/0000       | 2-20032/0003        | 08/09/76        | 10           | 7871         | 45.8                  | 140.1               | GGGG                 | 162                   | 22                   |
| 08013E                      | 5141N             | 2564-04481                              | 00000/0000       | 2-20030/0946        | 08/08/76        | 50           | 7857         | 47.6                  | 136.3               | FFFF                 | 162                   | 22                   |
| 08013E                      | 5135N             | 2492-04501                              | 00000/0000       | 2-20026/0243        | 05/28/76        | 30           | 6853         | 53.6                  | 135.8               | GGGG                 | 161                   | 24                   |
| 08013E                      | 2721N             | 2414-04250                              | 00000/0000       | 2-20021/1471        | 03/11/76        | 10           | 5765         | 43.5                  | 126.1               | GGGG                 | 161                   | 24                   |
| 08012E                      | 5424N             | 2493-04550                              | 00000/0000       | 2-20026/0399        | 05/29/76        | 60           | 6867         | 52.1                  | 139.8               | GGGG                 | 153                   | 41                   |
| 08012E                      | 5424N             | 2547-04533                              | 00000/0000       | 2-20028/1607        | 07/22/76        | 80           | 7620         | 49.8                  | 137.2               | GGGG                 | 162                   | 22                   |
| 08012E                      | 1557N             | 2700-04080                              | 00000/0000       | 2-20037/1251        | 12/22/76        | 80           | 9753         | 36.3                  | 136.3               | GGGG                 | 162                   | 22                   |
| 08011E                      | 5421N             | 2529-04540                              | 00000/0000       | 2-20028/0629        | 07/04/76        | 20           | 7369         | 52.5                  | 136.1               | GGGG                 | 153                   | 49                   |
| 08011E                      | 5144N             | 2582-04474                              | 00000/0000       | 2-20032/0137        | 08/26/76        | 10           | 8108         | 42.7                  | 140.8               | GGGG                 | 162                   | 22                   |
| 08011E                      | 5139N             | 2690-04435                              | 00000/0000       | 2-20037/0673        | 12/12/76        | 10           | 9614         | 11.5                  | 154.6               | PPGG                 | 161                   | 24                   |
| 08011E                      | 5135N             | 2546-04484                              | 00000/0000       | 2-20028/1598        | 07/21/76        | 70           | 7606         | 51.5                  | 133.0               | GGGG                 | 161                   | 24                   |
| 08011E                      | 2720N             | 2648-04181                              | 00000/0000       | 2-20035/0408        | 10/31/76        | 0            | 9028         | 38.7                  | 140.1               | GGGG                 | 161                   | 24                   |
| 08011E                      | 2142N             | 2431-04202                              | 00000/0000       | 2-20022/0747        | 03/28/76        | 10           | 6002         | 50.4                  | 113.1               | GGGG                 | 155                   | 41                   |
| 08011E                      | 2142N             | 2719-04111                              | 00000/0000       | 2-20038/1168        | 01/10/77        | 0            | 18           | 32.2                  | 136.6               | GGGG                 | 154                   | 45                   |
| 08011E                      | 1007N             | 2393-04132                              | 00000/0000       | 2-20021/0145        | 02/19/76        | 20           | 5472         | 44.8                  | 117.7               | FFGG                 | 154                   | 45                   |
| 08010E                      | 5419N             | 2673-04493                              | 00000/0000       | 2-20036/1260        | 11/25/76        | 40           | 9377         | 12.1                  | 157.0               | GGGG                 | 152                   | 53                   |
| 08010E                      | 2720N             | 2396-04259                              | 00000/0000       | 2-20021/0388        | 02/22/76        | 0            | 5514         | 38.0                  | 131.7               | FGGG                 | 162                   | 22                   |
| 08010E                      | 2717N             | 2630-04185                              | 00000/0000       | 2-20034/0776        | 10/13/76        | 0            | 8777         | 43.5                  | 134.4               | GGGG                 | 155                   | 41                   |
| 08010E                      | 2715N             | 2378-04260                              | 00000/0000       | 2-20020/0903        | 02/04/76        | 80           | 5263         | 33.6                  | 136.3               | FFGF                 | 155                   | 41                   |
| 08009E                      | 5417N             | 2511-04543                              | 00000/0000       | 2-20026/1557        | 06/16/76        | 20           | 7118         | 53.4                  | 137.2               | GGGG                 | 155                   | 41                   |
| 08009E                      | 5141N             | 2600-04471                              | 00000/0000       | 2-20032/1195        | 09/13/76        | 90           | 8359         | 37.1                  | 145.5               | GGGG                 | 162                   | 22                   |
|                             |                   |                                         |                  |                     |                 |              |              |                       |                     |                      | 161                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSR | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08009E 5133N                            | 2672-04444        | 00000/0000                   | 2-20037/0170                | 11/24/76         | 10                  | 9363            | 14.5         | 152.6        | GGGG                               |                     |                      | 161                   | 24                   |
| 08009E 2140N                            | 2683-04124        | 00000/0000                   | 2-20037/0127                | 12/05/76         | 10                  | 9516            | 34.7         | 140.7        | FGGG                               |                     |                      | 154                   | 45                   |
| 08009E 1554N                            | 2682-04084        | 00000/0000                   | 2-20036/1902                | 12/04/76         | 70                  | 9502            | 38.6         | 137.0        | FGGP                               |                     |                      | 153                   | 49                   |
| 08008E 5132N                            | 2528-04491        | 00000/0000                   | 2-20028/0606                | 07/03/76         | 40                  | 7355            | 54.0         | 131.7        | GGGG                               |                     |                      | 161                   | 24                   |
| 08008E 4445N                            | 2454-04414        | 00000/0000                   | 2-20024/0049                | 04/20/76         | 30                  | 6323            | 48.5         | 134.1        | GGGG                               |                     |                      | 159                   | 29                   |
| 08008E 2136N                            | 2647-04141        | 00000/0000                   | 2-20035/0306                | 10/30/76         | 0                   | 9014            | 42.6         | 135.4        | GGGF                               |                     |                      | 154                   | 45                   |
| 08007E 5128N                            | 2510-04494        | 00000/0000                   | 2-20026/1637                | 06/15/76         | 10                  | 7104            | 54.8         | 132.8        | GGGG                               |                     |                      | 161                   | 24                   |
| 08007E 2138N                            | 2665-04133        | 00000/0000                   | 2-20037/0230                | 11/17/76         | 50                  | 9265            | 38.3         | 139.4        | GGGG                               |                     |                      | 154                   | 45                   |
| 08006E 2134N                            | 2413-04210        | 00000/0000                   | 2-20021/1416                | 03/10/76         | 0                   | 5751            | 45.5         | 120.8        | GGGG                               |                     |                      | 154                   | 45                   |
| 08006E 1552N                            | 2664-04093        | 00000/0000                   | 2-20036/0787                | 11/16/76         | 30                  | 9251            | 42.1         | 135.0        | FGGG                               |                     |                      | 153                   | 49                   |
| 08005E 4439N                            | 2472-04411        | 00000/0000                   | 2-20024/1830                | 05/08/76         | 10                  | 6574            | 53.5         | 129.7        | GGGG                               |                     |                      | 159                   | 29                   |
| 08005E 2137N                            | 2395-04213        | 00000/0000                   | 2-20021/0331                | 02/21/76         | 0                   | 5500            | 40.6         | 127.4        | FGGG                               |                     |                      | 154                   | 45                   |
| 08005E 2135N                            | 2377-04220        | 00000/0000                   | 2-20020/0899                | 02/03/76         | 10                  | 5249            | 36.7         | 133.0        | FG                                 |                     |                      | 154                   | 45                   |
| 08005E 2135N                            | 2629-04145        | 00000/0000                   | 2-20034/0654                | 10/12/76         | 0                   | 8763            | 46.7         | 128.5        | GGGG                               |                     |                      | 154                   | 45                   |
| 08004E 5847N                            | 2459-05060        | 00000/0000                   | 2-20024/0554                | 04/25/76         | 60                  | 6393            | 41.4         | 149.9        | GGGG                               |                     |                      | 164                   | 19                   |
| 08004E 3147N                            | 2703-04203        | 00000/0000                   | 2-20038/0135                | 12/25/76         | 50                  | 9795            | 25.6         | 144.5        | FFFF                               |                     |                      | 156                   | 38                   |
| 08003E 4439N                            | 2706-04335        | 00000/0000                   | 2-20038/0238                | 12/28/76         | 20                  | 9837            | 16.1         | 149.7        | FFFF                               |                     |                      | 159                   | 29                   |
| 08003E 3147N                            | 2721-04194        | 00000/0000                   | 2-20038/0975                | 01/12/77         | 30                  | 46              | 25.9         | 141.6        | FGGG                               |                     |                      | 156                   | 38                   |
| 08002E 4439N                            | 2724-04330        | 00000/0000                   | 2-20039/0008                | 01/15/77         | 30                  | 88              | 17.2         | 146.9        | FGGF                               |                     |                      | 159                   | 29                   |
| 08002E 4436N                            | 2436-04422        | 00000/0000                   | 2-20022/1091                | 04/02/76         | 10                  | 6072            | 42.3         | 137.3        | GGGG                               |                     |                      | 159                   | 29                   |
| 08002E 3144N                            | 2635-04211        | 00000/0000                   | 2-20036/1817                | 12/07/76         | 0                   | 9544            | 27.4         | 146.1        | GGGG                               |                     |                      | 156                   | 38                   |
| 08000E 4435N                            | 2688-04343        | 00000/0000                   | 2-20037/0527                | 12/10/76         | 10                  | 9586            | 17.3         | 151.7        | GGGG                               |                     |                      | 159                   | 29                   |
| 08000E 3141N                            | 2667-04220        | 00000/0000                   | 2-20036/0987                | 11/19/76         | 0                   | 9293            | 30.9         | 145.8        | GGGG                               |                     |                      | 156                   | 38                   |
| 07959E 4431N                            | 2544-04392        | 00000/0000                   | 2-20028/1890                | 07/19/76         | 60                  | 7578            | 54.8         | 121.9        | GGGG                               |                     |                      | 159                   | 29                   |
| 07958E 4430N                            | 2490-04405        | 00000/0000                   | 2-20026/0052                | 05/26/76         | 30                  | 6825            | 56.6         | 125.0        | GGGF                               |                     |                      | 159                   | 29                   |
| 07958E 4027N                            | 2453-04371        | 00000/0000                   | 2-20023/0420                | 04/19/76         | 40                  | 6309            | 50.3         | 129.0        | GGGG                               |                     |                      | 158                   | 32                   |
| 07957E 4427N                            | 2670-04352        | 00000/0000                   | 2-20035/0822                | 11/22/76         | 10                  | 9335            | 20.6         | 152.2        | FGGG                               |                     |                      | 159                   | 29                   |
| 07957E 0840N                            | 2483-04111        | 00000/0000                   | 2-20025/0807                | 05/19/76         | 30                  | 6727            | 53.2         | 68.4         | GGGG                               |                     |                      | 152                   | 54                   |
| 07956E 4432N                            | 2616-04372        | 00000/0000                   | 2-20034/0168                | 09/29/76         | 90                  | 8582            | 36.7         | 143.9        | GGGF                               |                     |                      | 159                   | 29                   |
| 07956E 4429N                            | 2526-04395        | 00000/0000                   | 2-20028/0428                | 07/01/76         | 40                  | 7327            | 56.9         | 120.0        | GGGG                               |                     |                      | 159                   | 29                   |
| 07956E 4427N                            | 2508-04402        | 00000/0000                   | 2-20026/1408                | 06/13/76         | 40                  | 7076            | 57.7         | 121.2        | GGGG                               |                     |                      | 159                   | 29                   |
| 07956E 4019N                            | 2471-04365        | 00000/0000                   | 2-20024/1729                | 05/07/76         | 70                  | 6560            | 55.1         | 123.5        | FFFF                               |                     |                      | 158                   | 32                   |
| 07955E 5841N                            | 2567-05031        | 00000/0000                   | 2-20030/1112                | 08/11/76         | 90                  | 7899            | 42.6         | 145.8        | GGGG                               |                     |                      | 164                   | 19                   |
| 07955E 4427N                            | 2652-04360        | 00000/0000                   | 2-20035/0554                | 11/04/76         | 90                  | 9084            | 25.3         | 151.2        | GGGG                               |                     |                      | 159                   | 29                   |
| 07955E 4024N                            | 2705-04292        | 00000/0000                   | 2-20038/0212                | 12/27/76         | 10                  | 9823            | 19.3         | 148.1        | FGFF                               |                     |                      | 158                   | 32                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0904

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07955E 4022N                            | 2435-04375        | 00000/0000                   | 2-20022/1132                | 04/01/76         | 10                  | 6058            | 44.3         | 133.2        | GGGG                               |                     |                      | 158                   | 32                   |
| 07955E 3603N                            | 2704-04245        | 00000/0000                   | 2-20038/0173                | 12/26/76         | 90                  | 9809            | 22.5         | 146.3        | FFFF                               |                     |                      | 157                   | 35                   |
| 07954E 4426N                            | 2634-04364        | 00000/0000                   | 2-20034/0641                | 10/17/76         | 90                  | 8833            | 30.9         | 148.3        | GGGG                               |                     |                      | 159                   | 29                   |
| 07954E 4023N                            | 2723-04284        | 00000/0000                   | 2-20038/1390                | 01/14/77         | 10                  | 74              | 20.1         | 145.2        | FFGF                               |                     |                      | 158                   | 32                   |
| 07954E 3605N                            | 2722-04241        | 00000/0000                   | 2-20038/1324                | 01/13/77         | 0                   | 60              | 23.0         | 143.4        | GGGG                               |                     |                      | 157                   | 35                   |
| 07954E 2603N                            | 2432-04245        | 00000/0000                   | 2-20022/0848                | 03/29/76         | 30                  | 6016            | 49.5         | 118.1        | GGGF                               |                     |                      | 155                   | 42                   |
| 07953E 4020N                            | 2687-04300        | 00000/0000                   | 2-20037/0495                | 12/09/76         | 50                  | 9572            | 20.7         | 149.9        | GGGG                               |                     |                      | 158                   | 32                   |
| 07953E 4017N                            | 2417-04382        | 00000/0000                   | 2-20021/1601                | 03/14/76         | 90                  | 5807            | 37.8         | 136.8        | GGGG                               |                     |                      | 158                   | 32                   |
| 07953E 3600N                            | 2686-04254        | 00000/0000                   | 2-20037/0436                | 12/08/76         | 70                  | 9558            | 24.1         | 148.0        | GGGG                               |                     |                      | 157                   | 35                   |
| 07952E 2602N                            | 2702-04162        | 00000/0000                   | 2-20038/0494                | 12/24/76         | 0                   | 9781            | 29.6         | 141.8        | GGGG                               |                     |                      | 155                   | 42                   |
| 07952E 2601N                            | 2720-04154        | 00000/0000                   | 2-20038/1265                | 01/11/77         | 10                  | 32              | 29.5         | 138.8        | GGGG                               |                     |                      | 155                   | 42                   |
| 07951E 2601N                            | 2684-04171        | 00000/0000                   | 2-20037/0327                | 12/06/76         | 10                  | 9530            | 31.6         | 143.2        | PPPP                               |                     |                      | 155                   | 42                   |
| 07951E 1430N                            | 2700-04082        | 00000/0000                   | 2-20037/1252                | 12/22/76         | 40                  | 9753            | 37.1         | 135.3        | GGGG                               |                     |                      | 153                   | 50                   |
| 07951E 0841N                            | 2393-04135        | 00000/0000                   | 2-20021/0146                | 02/19/76         | 30                  | 5472            | 45.2         | 116.3        | FGGF                               |                     |                      | 152                   | 54                   |
| 07950E 4013N                            | 2669-04305        | 00000/0000                   | 2-20036/0518                | 11/21/76         | 50                  | 9321            | 24.1         | 150.2        | GGGG                               |                     |                      | 158                   | 32                   |
| 07950E 3557N                            | 2668-04262        | 00000/0000                   | 2-20036/1025                | 11/20/76         | 0                   | 9307            | 27.5         | 148.1        | FGGG                               |                     |                      | 157                   | 35                   |
| 07950E 2016N                            | 2431-04205        | 00000/0000                   | 2-20022/0748                | 03/28/76         | 10                  | 6002            | 50.8         | 111.3        | GFGG                               |                     |                      | 154                   | 46                   |
| 07949E 2016N                            | 2719-04114        | 00000/0000                   | 2-20038/1169                | 01/10/77         | 0                   | 18              | 33.1         | 135.8        | GGGF                               |                     |                      | 154                   | 46                   |
| 07948E 5833N                            | 2549-05034        | 00000/0000                   | 2-20030/0123                | 07/24/76         | 60                  | 7648            | 47.0         | 143.3        | G G G                              |                     |                      | 164                   | 19                   |
| 07948E 4735N                            | 2455-04463        | 00000/0000                   | 2-20024/0227                | 04/21/76         | 10                  | 6337            | 47.3         | 137.2        | GGGG                               |                     |                      | 160                   | 27                   |
| 07948E 2555N                            | 2648-04184        | 00000/0000                   | 2-20035/0409                | 10/31/76         | 0                   | 9028            | 39.6         | 139.0        | GGGG                               |                     |                      | 155                   | 42                   |
| 07948E 1427N                            | 2682-04091        | 00000/0000                   | 2-20036/1903                | 12/04/76         | 70                  | 9502            | 39.5         | 136.0        | FGGP                               |                     |                      | 153                   | 50                   |
| 07947E 5831N                            | 2531-05041        | 00000/0000                   | 2-20028/0741                | 07/06/76         | 80                  | 7397            | 49.9         | 142.5        | GGGG                               |                     |                      | 164                   | 19                   |
| 07947E 5828N                            | 2513-05044        | 00000/0000                   | 2-20026/1759                | 06/18/76         | 10                  | 7146            | 51.0         | 143.5        | GGGG                               |                     |                      | 164                   | 19                   |
| 07947E 4729N                            | 2707-04384        | 00000/0000                   | 2-20038/0667                | 12/29/76         | 30                  | 9851            | 13.9         | 150.8        | FGGG                               |                     |                      | 160                   | 27                   |
| 07947E 4015N                            | 2615-04325        | 00000/0000                   | 2-20034/0011                | 09/28/76         | 0                   | 8568            | 39.8         | 140.1        | GGGF                               |                     |                      | 158                   | 32                   |
| 07947E 4012N                            | 2633-04321        | 00000/0000                   | 2-20034/0631                | 10/16/76         | 10                  | 8819            | 34.3         | 145.3        | GGGG                               |                     |                      | 158                   | 32                   |
| 07947E 2552N                            | 2630-04192        | 00000/0000                   | 2-20034/0777                | 10/13/76         | 0                   | 8777            | 44.3         | 133.1        | GGGG                               |                     |                      | 155                   | 42                   |
| 07947E 2013N                            | 2683-04131        | 00000/0000                   | 2-20037/0128                | 12/05/76         | 10                  | 9516            | 35.7         | 139.8        | GGGG                               |                     |                      | 154                   | 46                   |
| 07946E 4730N                            | 2725-04380        | 00000/0000                   | 2-20039/0074                | 01/16/77         | 60                  | 102             | 15.3         | 148.0        | GGG                                |                     |                      | 160                   | 27                   |
| 07946E 4726N                            | 2473-04461        | 00000/0000                   | 2-20024/1868                | 05/09/76         | 0                   | 6588            | 52.3         | 133.5        | GGGG                               |                     |                      | 160                   | 27                   |
| 07946E 4012N                            | 2651-04313        | 00000/0000                   | 2-20035/0483                | 11/03/76         | 10                  | 9070            | 28.8         | 148.7        | GGGG                               |                     |                      | 158                   | 32                   |
| 07946E 2009N                            | 2647-04144        | 00000/0000                   | 2-20035/0307                | 10/30/76         | 0                   | 9014            | 43.4         | 134.2        | FGFG                               |                     |                      | 154                   | 46                   |
| 07945E 4724N                            | 2639-04397        | 00000/0000                   | 2-20037/0648                | 12/11/76         | 10                  | 9600            | 15.0         | 152.8        | PPPP                               |                     |                      | 160                   | 27                   |
| 07945E 2011N                            | 2665-04135        | 00000/0000                   | 2-20037/0231                | 11/17/76         | 30                  | 9265            | 39.2         | 138.4        | GGGG                               |                     |                      | 154                   | 46                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER,  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0905

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07945E                      | 2008N             | 2413-04212            | 00000/0000           | 2-20021/1417     | 03/10/76            | 0               | 5751         | 46.0         | 119.3                 | GGGG                |                      | 154                   | 46                   |
| 07945E                      | 1425N             | 2664-04095            | 00000/0000           | 2-20036/0788     | 11/16/76            | 80              | 9231         | 42.9         | 133.9                 | GGFG                |                      | 153                   | 50                   |
| 07944E                      | 2009N             | 2377-04222            | 00000/0000           | 2-20020/0900     | 02/03/76            | 10              | 5249         | 37.5         | 132.0                 | FG                  |                      | 154                   | 46                   |
| 07943E                      | 4726N             | 2563-04434            | 00000/0000           | 2-20030/0923     | 08/07/76            | 70              | 7843         | 50.0         | 130.5                 | GGGG                |                      | 160                   | 27                   |
| 07943E                      | 2011N             | 2395-04215            | 00000/0000           | 2-20021/0332     | 02/21/76            | 0               | 5500         | 41.3         | 126.2                 | GGGG                |                      | 154                   | 46                   |
| 07943E                      | 2009N             | 2629-04151            | 00000/0000           | 2-20034/0655     | 10/12/76            | 0               | 8763         | 47.4         | 127.1                 | GGGG                |                      | 154                   | 46                   |
| 07942E                      | 4719N             | 2545-04441            | 00000/0000           | 2-20029/0051     | 07/20/76            | 50              | 7592         | 53.6         | 126.4                 | GGGG                |                      | 160                   | 27                   |
| 07941E                      | 5558N             | 2458-05011            | 00000/0000           | 2-20024/0395     | 04/24/76            | 70              | 6379         | 43.0         | 146.6                 | GGGG                |                      | 163                   | 21                   |
| 07941E                      | 4719N             | 2671-04401            | 00000/0000           | 2-20036/1172     | 11/23/76            | 10              | 9349         | 18.1         | 153.6                 | FGGF                |                      | 160                   | 27                   |
| 07940E                      | 5023N             | 2456-04513            | 00000/0000           | 2-20024/0357     | 04/22/76            | 40              | 6351         | 45.9         | 140.3                 | GGGG                |                      | 161                   | 25                   |
| 07940E                      | 4721N             | 2527-04444            | 00000/0000           | 2-20028/0676     | 07/02/76            | 20              | 7341         | 55.9         | 124.9                 | GGGG                |                      | 160                   | 27                   |
| 07939E                      | 4715N             | 2509-04451            | 00000/0000           | 2-20026/1607     | 06/14/76            | 0               | 7090         | 56.7         | 125.9                 | GGGG                |                      | 160                   | 27                   |
| 07939E                      | 3021N             | 2703-04205            | 00000/0000           | 2-20038/0136     | 12/25/76            | 30              | 9795         | 26.6         | 143.8                 | FFFG                |                      | 156                   | 39                   |
| 07938E                      | 5552N             | 2476-05004            | 00000/0000           | 2-20024/1650     | 05/12/76            | 40              | 6630         | 48.1         | 144.5                 | GGGG                |                      | 163                   | 21                   |
| 07938E                      | 5018N             | 2474-04510            | 00000/0000           | 2-20025/0007     | 05/10/76            | 70              | 6602         | 51.0         | 137.3                 | CGGG                |                      | 161                   | 25                   |
| 07938E                      | 3021N             | 2721-04201            | 00000/0000           | 2-20038/0976     | 01/12/77            | 30              | 46           | 26.8         | 140.8                 | GGGG                |                      | 156                   | 39                   |
| 07938E                      | 3019N             | 2685-04214            | 00000/0000           | 2-20036/1818     | 12/07/76            | 0               | 9544         | 28.4         | 145.4                 | FGGG                |                      | 156                   | 39                   |
| 07937E                      | 5554N             | 2566-04582            | 00000/0000           | 2-20030/1038     | 08/10/76            | 90              | 7885         | 44.7         | 142.0                 | GGGG                |                      | 163                   | 21                   |
| 07937E                      | 0714N             | 2483-04114            | 00000/0000           | 2-20025/0808     | 05/19/76            | 20              | 6727         | 52.5         | 66.8                  | GGGG                |                      | 152                   | 55                   |
| 07936E                      | 5557N             | 2584-04575            | 00000/0000           | 2-20032/0280     | 08/28/76            | 80              | 8136         | 39.4         | 145.9                 | GGGG                |                      | 163                   | 21                   |
| 07935E                      | 5555N             | 2602-04572            | 00000/0000           | 2-20032/1295     | 09/15/76            | 100             | 8387         | 33.5         | 149.9                 | GGGG                |                      | 163                   | 21                   |
| 07935E                      | 5019N             | 2438-04520            | 00000/0000           | 2-20022/1240     | 04/04/76            | 30              | 6100         | 39.6         | 142.6                 | GGGG                |                      | 161                   | 25                   |
| 07935E                      | 5019N             | 2726-04425            | 00000/0000           | 2-20039/0047     | 01/17/77            | 20              | 116          | 13.4         | 149.2                 | FGGP                |                      | 161                   | 25                   |
| 07935E                      | 5018N             | 2708-04433            | 00000/0000           | 2-20038/0334     | 12/30/76            | 10              | 9865         | 11.8         | 151.9                 | FGGG                |                      | 161                   | 25                   |
| 07935E                      | 4320N             | 2454-04421            | 00000/0000           | 2-20024/0050     | 04/20/76            | 60              | 6323         | 49.2         | 132.3                 | GGGG                |                      | 159                   | 30                   |
| 07935E                      | 3016N             | 2667-04222            | 00000/0000           | 2-20036/0988     | 11/19/76            | 0               | 9293         | 31.9         | 145.0                 | GGGG                |                      | 156                   | 39                   |
| 07934E                      | 5309N             | 2457-04562            | 00000/0000           | 2-20024/0434     | 04/23/76            | 60              | 6365         | 44.5         | 143.4                 | GGGG                |                      | 162                   | 23                   |
| 07933E                      | 5308N             | 2709-04482            | 00000/0000           | 2-20038/0409     | 12/31/76            | 0               | 9879         | 9.7          | 153.0                 | GGGF                |                      | 162                   | 23                   |
| 07933E                      | 5306N             | 2475-04555            | 00000/0000           | 2-20025/0258     | 05/11/76            | 10              | 6616         | 49.6         | 140.9                 | GGGG                |                      | 161                   | 25                   |
| 07933E                      | 5017N             | 2564-04483            | 00000/0000           | 2-20030/0947     | 08/08/76            | 30              | 7857         | 48.3         | 134.5                 | GGGG                |                      | 163                   | 21                   |
| 07932E                      | 5546N             | 2494-05002            | 00000/0000           | 2-20026/0099     | 05/30/76            | 50              | 6881         | 51.4         | 141.7                 | GGGG                |                      | 163                   | 21                   |
| 07932E                      | 5545N             | 2548-04585            | 00000/0000           | 2-20029/0172     | 07/23/76            | 60              | 7634         | 48.9         | 139.2                 | GGGG                |                      | 163                   | 21                   |
| 07932E                      | 5011N             | 2492-04503            | 00000/0000           | 2-20026/0244     | 05/28/76            | 10              | 6853         | 54.3         | 133.6                 | GGGG                |                      | 161                   | 25                   |
| 07932E                      | 4313N             | 2472-04414            | 00000/0000           | 2-20024/1831     | 05/08/76            | 40              | 6574         | 54.1         | 127.6                 | GGGG                |                      | 159                   | 30                   |
| 07931E                      | 5308N             | 2727-04474            | 00000/0000           | 2-20038/1429     | 01/18/77            | 10              | 130          | 11.5         | 150.4                 | PPPP                |                      | 162                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SRBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07931E 5019N                            | 2532-04480        | 00000/0000                   | 2-20032/0138                | 08/26/76         | 10                  | 8108            | 43.5         | 139.2        | GGGG                               |                     |                      | 161                   | 25                   |
| 07931E 5015N                            | 2490-04441        | 00000/0000                   | 2-20037/0674                | 12/12/76         | 10                  | 9614            | 12.6         | 154.0        | PGGG                               |                     |                      | 161                   | 25                   |
| 07931E 5010N                            | 2546-04491        | 00000/0000                   | 2-20028/1599                | 07/21/76         | 50                  | 7606            | 52.2         | 130.9        | PPPP                               |                     |                      | 161                   | 25                   |
| 07931E 2436N                            | 2432-04252        | 00000/0000                   | 2-20022/0849                | 03/29/76         | 20                  | 6016            | 50.0         | 116.3        | GGGG                               |                     |                      | 155                   | 43                   |
| 07931E 0715N                            | 2393-04141        | 00000/0000                   | 2-20021/0147                | 02/19/76         | 60                  | 5472            | 45.7         | 114.8        | FFFF                               |                     |                      | 152                   | 55                   |
| 07930E 5302N                            | 2691-04491        | 00000/0000                   | 2-20037/0748                | 12/13/76         | 100                 | 9628            | 10.3         | 155.2        | FGFG                               |                     |                      | 162                   | 23                   |
| 07930E 4314N                            | 2706-04341        | 00000/0000                   | 2-20038/0239                | 12/28/76         | 60                  | 9837            | 17.1         | 149.1        | PPPP                               |                     |                      | 159                   | 30                   |
| 07930E 4311N                            | 2436-04424        | 00000/0000                   | 2-20027/1092                | 04/02/76         | 0                   | 6072            | 43.2         | 135.9        | GGGG                               |                     |                      | 159                   | 30                   |
| 07930E 1303N                            | 2700-04085        | 00000/0000                   | 2-20037/1253                | 12/22/76         | 50                  | 9753            | 38.0         | 134.4        | GGGG                               |                     |                      | 153                   | 51                   |
| 07929E 5307N                            | 2583-04525        | 00000/0000                   | 2-20032/0190                | 08/27/76         | 10                  | 8122            | 41.5         | 142.6        | GGGG                               |                     |                      | 162                   | 23                   |
| 07929E 5304N                            | 2565-04533        | 00000/0000                   | 2-20032/0004                | 08/09/76         | 20                  | 7871            | 46.6         | 138.3        | GGGG                               |                     |                      | 162                   | 23                   |
| 07929E 5008N                            | 2672-04450        | 00000/0000                   | 2-20037/0171                | 11/24/76         | 10                  | 9363            | 15.7         | 154.9        | GGGG                               |                     |                      | 161                   | 25                   |
| 07929E 4314N                            | 2724-04333        | 00000/0000                   | 2-20039/0009                | 01/15/77         | 60                  | 88              | 18.3         | 146.3        | GFFF                               |                     |                      | 159                   | 30                   |
| 07929E 3902N                            | 2453-04374        | 00000/0000                   | 2-20023/0421                | 04/19/76         | 10                  | 6309            | 51.0         | 127.1        | GGGG                               |                     |                      | 158                   | 33                   |
| 07929E 2435N                            | 2720-04161        | 00000/0000                   | 2-20038/1266                | 01/11/77         | 20                  | 32              | 30.5         | 138.0        | GFFG                               |                     |                      | 155                   | 43                   |
| 07928E 5543N                            | 2530-04592        | 00000/0000                   | 2-20028/0718                | 07/05/76         | 10                  | 7383            | 51.6         | 138.2        | GGGG                               |                     |                      | 163                   | 21                   |
| 07928E 5259N                            | 2493-04552        | 00000/0000                   | 2-20026/0400                | 05/29/76         | 60                  | 6867            | 52.9         | 137.7        | FGGG                               |                     |                      | 162                   | 23                   |
| 07928E 5016N                            | 2600-04473        | 00000/0000                   | 2-20032/1196                | 09/13/76         | 90                  | 8359            | 38.0         | 144.2        | GGGG                               |                     |                      | 161                   | 25                   |
| 07928E 5008N                            | 2528-04494        | 00000/0000                   | 2-20028/0607                | 07/03/76         | 60                  | 7355            | 54.6         | 129.5        | FGGG                               |                     |                      | 161                   | 25                   |
| 07928E 3438N                            | 2704-04252        | 00000/0000                   | 2-20038/0174                | 12/26/76         | 90                  | 9809            | 23.5         | 145.7        | GFFF                               |                     |                      | 157                   | 36                   |
| 07928E 2435N                            | 2702-04165        | 00000/0000                   | 2-20038/0495                | 12/24/76         | 0                   | 9781            | 30.6         | 141.1        | GGGG                               |                     |                      | 155                   | 43                   |
| 07928E 2434N                            | 2654-04173        | 00000/0000                   | 2-20037/0328                | 12/06/76         | 20                  | 9530            | 32.6         | 142.4        | PPPP                               |                     |                      | 155                   | 43                   |
| 07928E 1301N                            | 2682-04093        | 00000/0000                   | 2-20036/1904                | 12/04/76         | 70                  | 9502            | 40.4         | 135.0        | FGGF                               |                     |                      | 153                   | 51                   |
| 07927E 5300N                            | 2547-04540        | 00000/0000                   | 2-20028/1608                | 07/22/76         | 90                  | 7620            | 50.6         | 135.2        | GGFG                               |                     |                      | 162                   | 23                   |
| 07927E 5003N                            | 2510-04501        | 00000/0000                   | 2-20026/1638                | 06/15/76         | 20                  | 7104            | 55.5         | 130.5        | GGGG                               |                     |                      | 161                   | 25                   |
| 07927E 4310N                            | 2688-04350        | 00000/0000                   | 2-20037/0528                | 12/10/76         | 10                  | 9586            | 18.4         | 151.0        | FGGG                               |                     |                      | 159                   | 30                   |
| 07927E 4307N                            | 2544-04395        | 00000/0000                   | 2-20028/1891                | 07/19/76         | 50                  | 7578            | 55.2         | 119.6        | GGGG                               |                     |                      | 159                   | 30                   |
| 07927E 3853N                            | 2471-04371        | 00000/0000                   | 2-20024/1730                | 05/07/76         | 100                 | 6560            | 55.6         | 121.3        | FGGG                               |                     |                      | 158                   | 33                   |
| 07927E 3439N                            | 2722-04244        | 00000/0000                   | 2-20038/1325                | 01/13/77         | 0                   | 60              | 24.0         | 142.7        | GGGG                               |                     |                      | 157                   | 36                   |
| 07927E 1849N                            | 2719-04120        | 00000/0000                   | 2-20038/1170                | 01/10/77         | 0                   | 18              | 33.9         | 134.9        | FFFF                               |                     |                      | 154                   | 47                   |
| 07926E 5256N                            | 2529-04543        | 00000/0000                   | 2-20028/0630                | 07/04/76         | 10                  | 7369            | 53.2         | 134.0        | GGGG                               |                     |                      | 162                   | 23                   |
| 07926E 4305N                            | 2490-04411        | 00000/0000                   | 2-20026/0053                | 05/26/76         | 80                  | 6825            | 57.1         | 122.6        | GGGF                               |                     |                      | 159                   | 30                   |
| 07926E 3435N                            | 2686-04260        | 00000/0000                   | 2-20037/0437                | 12/08/76         | 80                  | 9558            | 25.1         | 147.4        | GGGG                               |                     |                      | 157                   | 36                   |
| 07925E 5255N                            | 2673-04495        | 00000/0000                   | 2-20036/1261                | 11/25/76         | 80                  | 9377            | 13.2         | 156.3        | GGGG                               |                     |                      | 162                   | 23                   |
| 07925E 4311N                            | 2598-04381        | 00000/0000                   | 2-20032/1143                | 09/11/76         | 90                  | 8331            | 43.1         | 136.9        | GGG                                |                     |                      | 159                   | 30                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US

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FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07925E 4304N                            | 2526-04402        | 00000/0000                   | 2-20034/0429                | 07/01/76         | 30                  | 7327            | 57.3         | 117.6        | GGGG                               |                     |                      | 159                   | 30                   |
| 07925E 3858N                            | 2705-04294        | 00000/0000                   | 2-20034/0213                | 12/27/76         | 50                  | 9823            | 20.3         | 147.4        | FGGG                               |                     |                      | 158                   | 33                   |
| 07925E 2429N                            | 2648-04190        | 00000/0000                   | 2-20035/0410                | 10/31/76         | 0                   | 9028            | 40.6         | 138.0        | GGGG                               |                     |                      | 155                   | 42                   |
| 07925E 1846N                            | 2683-04133        | 00000/0000                   | 2-20037/0129                | 12/05/76         | 10                  | 9516            | 36.6         | 138.9        | GGGG                               |                     |                      | 154                   | 47                   |
| 07925E 1843N                            | 2647-04150        | 00000/0000                   | 2-20035/0308                | 10/30/76         | 10                  | 9014            | 44.2         | 133.0        | GGGG                               |                     |                      | 154                   | 47                   |
| 07925E 1259N                            | 2664-04102        | 00000/0000                   | 2-20036/0789                | 11/16/76         | 80                  | 9251            | 43.8         | 132.7        | GGGF                               |                     |                      | 153                   | 51                   |
| 07924E 5253N                            | 2511-04550        | 00000/0000                   | 2-20026/1558                | 06/16/76         | 20                  | 7118            | 54.1         | 134.9        | GGGG                               |                     |                      | 162                   | 23                   |
| 07924E 4302N                            | 2670-04354        | 00000/0000                   | 2-20036/0823                | 11/22/76         | 0                   | 9335            | 21.7         | 151.6        | FGGG                               |                     |                      | 159                   | 30                   |
| 07924E 4301N                            | 2508-04405        | 00000/0000                   | 2-20026/1409                | 05/13/76         | 10                  | 7076            | 58.1         | 118.7        | GGGG                               |                     |                      | 159                   | 30                   |
| 07924E 3857N                            | 2723-04290        | 00000/0000                   | 2-20038/1391                | 01/14/77         | 60                  | 74              | 21.1         | 144.5        | FF G                               |                     |                      | 158                   | 33                   |
| 07924E 3855N                            | 2687-04303        | 00000/0000                   | 2-20037/0496                | 12/09/76         | 30                  | 9572            | 21.8         | 149.3        | GGG                                |                     |                      | 158                   | 33                   |
| 07924E 3431N                            | 2668-04265        | 00000/0000                   | 2-20036/1026                | 11/20/76         | 0                   | 9307            | 28.6         | 147.3        | GGFG                               |                     |                      | 157                   | 36                   |
| 07924E 2428N                            | 2396-04262        | 00000/0000                   | 2-20021/0389                | 02/22/76         | 0                   | 5514            | 39.5         | 129.4        | FGGG                               |                     |                      | 155                   | 43                   |
| 07924E 2426N                            | 2630-04194        | 00000/0000                   | 2-20034/0778                | 10/13/76         | 0                   | 8777            | 45.0         | 131.7        | FGGG                               |                     |                      | 155                   | 43                   |
| 07923E 2423N                            | 2378-04265        | 00000/0000                   | 2-20020/0904                | 02/04/76         | 100                 | 5263            | 35.3         | 134.6        | FFFF                               |                     |                      | 155                   | 43                   |
| 07923E 1844N                            | 2653-04142        | 00000/0000                   | 2-20037/0232                | 11/17/76         | 80                  | 9265            | 40.1         | 137.4        | GGGG                               |                     |                      | 154                   | 47                   |
| 07922E 1843N                            | 2629-04154        | 00000/0000                   | 2-20034/0656                | 10/12/76         | 0                   | 8763            | 48.1         | 125.6        | GGGG                               |                     |                      | 154                   | 47                   |
| 07921E 3847N                            | 2669-04312        | 00000/0000                   | 2-20036/0519                | 11/21/76         | 80                  | 9321            | 25.2         | 149.5        | GGGG                               |                     |                      | 158                   | 33                   |
| 07915E 2855N                            | 2703-04212        | 00000/0000                   | 2-20037/0137                | 12/25/76         | 0                   | 9795            | 27.6         | 143.1        | FFFF                               |                     |                      | 156                   | 40                   |
| 07914E 4609N                            | 2455-04470        | 00000/0000                   | 2-20024/0228                | 04/21/76         | 0                   | 6337            | 48.1         | 135.5        | GGGG                               |                     |                      | 160                   | 28                   |
| 07914E 2853N                            | 2685-04220        | 00000/0000                   | 2-20036/1819                | 12/07/76         | 0                   | 9544            | 29.4         | 144.7        | GGGG                               |                     |                      | 156                   | 40                   |
| 07913E 2855N                            | 2721-04203        | 00000/0000                   | 2-20036/0977                | 01/12/77         | 20                  | 46              | 27.7         | 140.1        | FGGG                               |                     |                      | 156                   | 40                   |
| 07911E 4604N                            | 2707-04390        | 00000/0000                   | 2-20038/0668                | 12/29/76         | 40                  | 9851            | 15.0         | 150.2        | GGGG                               |                     |                      | 160                   | 28                   |
| 07911E 4601N                            | 2473-04463        | 00000/0000                   | 2-20024/1869                | 05/09/76         | 0                   | 6588            | 53.0         | 131.5        | GGGG                               |                     |                      | 160                   | 28                   |
| 07911E 2850N                            | 2667-04225        | 00000/0000                   | 2-20036/0989                | 11/19/76         | 0                   | 9293            | 33.0         | 144.2        | GGG                                |                     |                      | 156                   | 40                   |
| 07911E 2849N                            | 2631-04241        | 00000/0000                   | 2-20034/0837                | 10/14/76         | 10                  | 8791            | 42.3         | 136.0        | GGGG                               |                     |                      | 154                   | 40                   |
| 07910E 4604N                            | 2725-04382        | 00000/0000                   | 2-20039/0075                | 01/16/77         | 60                  | 102             | 16.4         | 147.4        | GGG                                |                     |                      | 160                   | 28                   |
| 07909E 5724N                            | 2459-05063        | 00000/0000                   | 2-20024/0555                | 04/25/76         | 60                  | 6393            | 42.3         | 148.2        | GGGG                               |                     |                      | 164                   | 20                   |
| 07909E 4607N                            | 2581-04433        | 00000/0000                   | 2-20037/0120                | 08/25/76         | 20                  | 8094            | 46.2         | 134.2        | GGGG                               |                     |                      | 160                   | 28                   |
| 07908E 4602N                            | 2563-04441        | 00000/0000                   | 2-20030/0924                | 08/07/76         | 30                  | 7843            | 50.6         | 128.5        | GGGG                               |                     |                      | 160                   | 28                   |
| 07908E 2846N                            | 2649-04233        | 00000/0000                   | 2-20035/0392                | 11/01/76         | 0                   | 9042            | 37.5         | 141.3        | PPGG                               |                     |                      | 154                   | 40                   |
| 07908E 2841N                            | 2379-04312        | 00000/0000                   | 2-20020/0989                | 02/05/76         | 10                  | 5277            | 32.9         | 137.1        | GGG                                |                     |                      | 156                   | 40                   |
| 07907E 4555N                            | 2545-04444        | 00000/0000                   | 2-20029/0052                | 07/20/76         | 70                  | 7592            | 54.1         | 124.2        | GGGG                               |                     |                      | 160                   | 28                   |
| 07907E 4554N                            | 2491-04460        | 00000/0000                   | 2-20026/0334                | 05/27/76         | 10                  | 6839            | 56.2         | 127.0        | GGGG                               |                     |                      | 160                   | 28                   |
| 07906E 4559N                            | 2599-04431        | 00000/0000                   | 2-20032/1089                | 09/12/76         | 20                  | 8345            | 41.1         | 139.9        | GGFG                               |                     |                      | 160                   | 28                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US

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FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRMIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07906E 4555N                            | 2671-04403        | 00000/0000                   | 2-20036/1173                | 11/23/76         | 10                  | 9349            | 19.2         | 152.9        | GGGG                               |                     |                      | 160                   | 28                   |
| 07906E 2309N                            | 2702-04171        | 00000/0000                   | 2-20038/0496                | 12/24/76         | 0                   | 9781            | 31.5         | 140.3        | GGGG                               |                     |                      | 155                   | 44                   |
| 07906E 2309N                            | 2720-04163        | 00000/0000                   | 2-20038/1267                | 01/11/77         | 30                  | 32              | 31.4         | 137.2        | GGGG                               |                     |                      | 155                   | 44                   |
| 07906E 1722N                            | 2719-04123        | 00000/0000                   | 2-20038/1171                | 01/10/77         | 0                   | 18              | 34.8         | 134.0        | FGGG                               |                     |                      | 154                   | 48                   |
| 07905E 4556N                            | 2527-04451        | 00000/0000                   | 2-20028/0566                | 07/02/76         | 20                  | 7341            | 56.4         | 122.5        | GGGG                               |                     |                      | 160                   | 28                   |
| 07905E 4550N                            | 2509-04454        | 00000/0000                   | 2-20026/1608                | 06/14/76         | 10                  | 7090            | 57.2         | 123.5        | GGGG                               |                     |                      | 160                   | 28                   |
| 07905E 2308N                            | 2684-04180        | 00000/0000                   | 2-20037/0329                | 12/06/76         | 40                  | 9530            | 33.6         | 141.6        | PPPP                               |                     |                      | 155                   | 44                   |
| 07904E 1719N                            | 2683-04140        | 00000/0000                   | 2-20037/0130                | 12/05/76         | 10                  | 9516            | 37.6         | 138.0        | GGGG                               |                     |                      | 154                   | 48                   |
| 07903E 2303N                            | 2648-04193        | 00000/0000                   | 2-20035/0411                | 10/31/76         | 0                   | 9028            | 41.4         | 136.8        | GGGG                               |                     |                      | 155                   | 44                   |
| 07903E 1717N                            | 2647-04153        | 00000/0000                   | 2-20035/0309                | 10/30/76         | 10                  | 9014            | 45.0         | 131.7        | GGGG                               |                     |                      | 154                   | 48                   |
| 07902E 2302N                            | 2396-04265        | 00000/0000                   | 2-20021/0390                | 02/22/76         | 0                   | 5514            | 40.2         | 128.2        | FGGG                               |                     |                      | 155                   | 44                   |
| 07901E 5718N                            | 2567-05033        | 00000/0000                   | 2-20030/1113                | 08/11/76         | 80                  | 7899            | 43.5         | 144.0        | GGGG                               |                     |                      | 164                   | 20                   |
| 07901E 4147N                            | 2472-04420        | 00000/0000                   | 2-20024/1832                | 05/08/76         | 50                  | 6574            | 54.7         | 125.5        | GGGG                               |                     |                      | 159                   | 31                   |
| 07901E 3736N                            | 2453-04380        | 00000/0000                   | 2-20023/0422                | 04/19/76         | 10                  | 6309            | 51.6         | 125.2        | GGGG                               |                     |                      | 158                   | 34                   |
| 07901E 3313N                            | 2722-04250        | 00000/0000                   | 2-20038/1326                | 01/13/77         | 0                   | 60              | 25.0         | 142.1        | GGGG                               |                     |                      | 157                   | 37                   |
| 07901E 3312N                            | 2704-04254        | 00000/0000                   | 2-20038/0175                | 12/26/76         | 90                  | 9809            | 24.5         | 145.0        | FGFF                               |                     |                      | 157                   | 37                   |
| 07901E 2300N                            | 2630-04201        | 00000/0000                   | 2-20034/0779                | 10/13/76         | 0                   | 8777            | 45.8         | 130.4        | FGFG                               |                     |                      | 155                   | 44                   |
| 07901E 1717N                            | 2629-04160        | 00000/0000                   | 2-20034/0657                | 10/12/76         | 0                   | 8763            | 48.7         | 124.0        | GGGG                               |                     |                      | 154                   | 48                   |
| 07901E 1717N                            | 2665-04144        | 00000/0000                   | 2-20037/0233                | 11/17/76         | 90                  | 9265            | 41.0         | 136.3        | GGGG                               |                     |                      | 154                   | 48                   |
| 07900E 4858N                            | 2456-04515        | 00000/0000                   | 2-20024/0358                | 04/22/76         | 60                  | 6351            | 46.8         | 138.7        | GGGG                               |                     |                      | 161                   | 26                   |
| 07900E 3309N                            | 2636-04263        | 00000/0000                   | 2-20037/0438                | 12/08/76         | 80                  | 9558            | 26.2         | 146.7        | GGGG                               |                     |                      | 157                   | 37                   |
| 07900E 2258N                            | 2378-04271        | 00000/0000                   | 2-20020/0905                | 02/04/76         | 70                  | 5263            | 36.1         | 133.6        | FFFG                               |                     |                      | 155                   | 44                   |
| 07900E 1715N                            | 2377-04231        | 00000/0000                   | 2-20020/0901                | 02/03/76         | 20                  | 5249            | 39.0         | 129.8        | FFGG                               |                     |                      | 154                   | 48                   |
| 07859E 4853N                            | 2474-04512        | 00000/0000                   | 2-20025/0008                | 05/10/76         | 50                  | 6602            | 51.8         | 135.3        | GGGG                               |                     |                      | 161                   | 26                   |
| 07859E 4146N                            | 2436-04431        | 00000/0000                   | 2-20022/1093                | 04/02/76         | 0                   | 6072            | 44.0         | 134.5        | GGGG                               |                     |                      | 159                   | 31                   |
| 07858E 4148N                            | 2724-04335        | 00000/0000                   | 2-20039/0010                | 01/15/77         | 60                  | 88              | 19.3         | 145.6        | FFGG                               |                     |                      | 159                   | 31                   |
| 07858E 3728N                            | 2471-04374        | 00000/0000                   | 2-20024/1731                | 05/07/76         | 80                  | 6560            | 56.1         | 119.1        | FGGG                               |                     |                      | 158                   | 34                   |
| 07858E 3306N                            | 2668-04271        | 00000/0000                   | 2-20036/1027                | 11/20/76         | 0                   | 9307            | 29.6         | 146.6        | GGGG                               |                     |                      | 157                   | 37                   |
| 07857E 4854N                            | 2726-04431        | 00000/0000                   | 2-20039/0048                | 01/17/77         | 10                  | 116             | 14.5         | 148.5        | FGGG                               |                     |                      | 161                   | 26                   |
| 07857E 3733N                            | 2579-04344        | 00000/0000                   | 2-20032/0321                | 08/23/76         | 50                  | 8066            | 50.6         | 122.9        | GGGG                               |                     |                      | 158                   | 34                   |
| 07857E 3733N                            | 2705-04301        | 00000/0000                   | 2-20032/0214                | 12/27/76         | 80                  | 9823            | 21.4         | 146.8        | GGFG                               |                     |                      | 158                   | 34                   |
| 07857E 3731N                            | 2435-04384        | 00000/0000                   | 2-20022/1133                | 04/01/76         | 50                  | 6058            | 45.8         | 130.2        | FGGF                               |                     |                      | 158                   | 34                   |
| 07856E 4853N                            | 2708-04440        | 00000/0000                   | 2-20038/0385                | 12/30/76         | 10                  | 9865            | 12.9         | 151.3        | GGGG                               |                     |                      | 161                   | 26                   |
| 07856E 4144N                            | 2688-04352        | 00000/0000                   | 2-20037/0529                | 12/10/76         | 10                  | 9586            | 19.5         | 150.4        | FGGG                               |                     |                      | 159                   | 31                   |
| 07856E 4142N                            | 2544-04401        | 00000/0000                   | 2-20028/1892                | 07/19/76         | 40                  | 7578            | 55.6         | 117.3        | GGGG                               |                     |                      | 159                   | 31                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>MSS<br>100 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|--------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07856E 3731N                            | 2723-04293        | 00000/0000                   | 2-20038/1392                | 01/14/77         | 70                  | 74              | 22.1         | 143.9        | FG G                           |                     |                      | 158                   | 34                   |
| 07856E 3729N                            | 2561-04351        | 00000/0000                   | 2-20030/0852                | 08/05/76         | 100                 | 7815            | 54.0         | 115.6        | FQQG                           |                     |                      | 158                   | 34                   |
| 07856E 3729N                            | 2687-04305        | 00000/0000                   | 2-20037/0497                | 12/09/76         | 10                  | 9572            | 22.8         | 148.6        | GQQG                           |                     |                      | 158                   | 34                   |
| 07856E 3723N                            | 2543-04354        | 00000/0000                   | 2-20028/1849                | 07/18/76         | 80                  | 7564            | 56.7         | 110.0        | QQGG                           |                     |                      | 158                   | 34                   |
| 07855E 5710N                            | 2549-05041        | 00000/0000                   | 2-20030/0124                | 07/24/76         | 80                  | 7648            | 47.9         | 141.3        | QQGG                           |                     |                      | 164                   | 20                   |
| 07855E 4852N                            | 2564-04490        | 00000/0000                   | 2-20030/0948                | 08/08/76         | 20                  | 7857            | 49.1         | 132.6        | QQGG                           |                     |                      | 161                   | 26                   |
| 07855E 4139N                            | 2490-04414        | 00000/0000                   | 2-20026/0054                | 05/26/76         | 90                  | 6825            | 57.6         | 120.1        | QQGG                           |                     |                      | 159                   | 31                   |
| 07854E 5708N                            | 2531-05044        | 00000/0000                   | 2-20028/0742                | 07/06/76         | 80                  | 7397            | 50.7         | 140.4        | QQGG                           |                     |                      | 164                   | 20                   |
| 07854E 5705N                            | 2513-05051        | 00000/0000                   | 2-20026/1760                | 06/18/76         | 30                  | 7146            | 51.8         | 141.3        | QQGG                           |                     |                      | 164                   | 20                   |
| 07854E 4138N                            | 2526-04404        | 00000/0000                   | 2-20028/0430                | 07/01/76         | 70                  | 7327            | 57.7         | 115.1        | QQGG                           |                     |                      | 159                   | 31                   |
| 07854E 3721N                            | 2525-04361        | 00000/0000                   | 2-20028/0480                | 06/30/76         | 60                  | 7313            | 58.5         | 107.3        | FQQG                           |                     |                      | 158                   | 34                   |
| 07853E 5434N                            | 2458-05014        | 00000/0000                   | 2-20024/0396                | 04/24/76         | 50                  | 6379            | 43.9         | 145.0        | QQGG                           |                     |                      | 163                   | 22                   |
| 07853E 4146N                            | 2598-04384        | 00000/0000                   | 2-20032/1144                | 09/11/76         | 80                  | 8331            | 43.9         | 135.4        | QQGG                           |                     |                      | 159                   | 31                   |
| 07853E 4137N                            | 2670-04361        | 00000/0000                   | 2-20036/0824                | 11/22/76         | 0                   | 9335            | 22.8         | 150.9        | QQGG                           |                     |                      | 159                   | 31                   |
| 07853E 4136N                            | 2508-04411        | 00000/0000                   | 2-20026/1410                | 06/13/76         | 10                  | 7076            | 58.5         | 116.2        | QQGG                           |                     |                      | 159                   | 31                   |
| 07852E 4850N                            | 2690-04444        | 00000/0000                   | 2-20037/0675                | 12/12/76         | 10                  | 9614            | 13.7         | 153.3        | FQQG                           |                     |                      | 161                   | 26                   |
| 07852E 4845N                            | 2546-04493        | 00000/0000                   | 2-20028/1600                | 07/21/76         | 40                  | 7606            | 52.8         | 128.8        | QQGG                           |                     |                      | 161                   | 26                   |
| 07852E 3722N                            | 2669-04314        | 00000/0000                   | 2-20036/0520                | 11/21/76         | 30                  | 9321            | 26.3         | 148.8        | QQGG                           |                     |                      | 158                   | 34                   |
| 07851E 5145N                            | 2457-04564        | 00000/0000                   | 2-20024/0435                | 04/23/76         | 70                  | 6365            | 45.4         | 141.8        | GGGF                           |                     |                      | 162                   | 24                   |
| 07851E 5142N                            | 2475-04562        | 00000/0000                   | 2-20025/0259                | 05/11/76         | 0                   | 6616            | 50.4         | 139.0        | QQGG                           |                     |                      | 162                   | 24                   |
| 07851E 2730N                            | 2433-04301        | 00000/0000                   | 2-20029/0797                | 03/30/76         | 70                  | 6030            | 49.3         | 119.5        | FQQG                           |                     |                      | 156                   | 41                   |
| 07850E 5428N                            | 2476-05011        | 00000/0000                   | 2-20024/1651                | 05/12/76         | 70                  | 6630            | 49.0         | 142.6        | GFQQ                           |                     |                      | 163                   | 22                   |
| 07850E 5143N                            | 2709-04485        | 00000/0000                   | 2-20038/0410                | 12/31/76         | 10                  | 9879            | 10.8         | 152.4        | FQQG                           |                     |                      | 162                   | 24                   |
| 07850E 4844N                            | 2672-04453        | 00000/0000                   | 2-20037/0172                | 11/24/76         | 0                   | 9363            | 16.8         | 154.2        | GGGG                           |                     |                      | 161                   | 26                   |
| 07850E 4843N                            | 2528-04500        | 00000/0000                   | 2-20028/0608                | 07/03/76         | 80                  | 7355            | 55.2         | 127.2        | QQGG                           |                     |                      | 161                   | 26                   |
| 07850E 2729N                            | 2703-04214        | 00000/0000                   | 2-20038/0138                | 12/25/76         | 10                  | 9795            | 28.6         | 142.4        | FFFF                           |                     |                      | 156                   | 41                   |
| 07850E 2728N                            | 2721-04210        | 00000/0000                   | 2-20038/0978                | 01/12/77         | 20                  | 46              | 28.7         | 139.4        | GGGG                           |                     |                      | 156                   | 41                   |
| 07850E 2727N                            | 2685-04223        | 00000/0000                   | 2-20036/1820                | 12/07/76         | 0                   | 9544            | 30.5         | 143.9        | GGGG                           |                     |                      | 156                   | 41                   |
| 07849E 5430N                            | 2566-04584        | 00000/0000                   | 2-20030/1039                | 08/10/76         | 50                  | 7885            | 45.5         | 140.3        | GGGG                           |                     |                      | 163                   | 22                   |
| 07849E 4839N                            | 2510-04503        | 00000/0000                   | 2-20026/1639                | 06/15/76         | 20                  | 7104            | 56.1         | 128.1        | QQGG                           |                     |                      | 161                   | 26                   |
| 07848E 5433N                            | 2584-04581        | 00000/0000                   | 2-20032/0281                | 08/23/76         | 40                  | 8136            | 40.3         | 144.4        | GGGG                           |                     |                      | 163                   | 22                   |
| 07847E 5432N                            | 2602-04574        | 00000/0000                   | 2-20032/1296                | 09/15/76         | 90                  | 8387            | 34.5         | 148.6        | GFQQ                           |                     |                      | 163                   | 22                   |
| 07847E 5143N                            | 2583-04532        | 00000/0000                   | 2-20037/0191                | 08/27/76         | 10                  | 8122            | 42.4         | 141.0        | QQGG                           |                     |                      | 162                   | 24                   |
| 07847E 5137N                            | 2691-04493        | 00000/0000                   | 2-20037/0749                | 12/13/76         | 100                 | 9628            | 11.4         | 154.5        | GGGG                           |                     |                      | 162                   | 24                   |
| 07847E 2725N                            | 2415-04304        | 00000/0000                   | 2-20021/1512                | 03/12/76         | 10                  | 5779            | 43.8         | 125.9        | FQQG                           |                     |                      | 156                   | 41                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07847E                      | 2725N | 2667-04231        | 00000/0000            | 2-20036/0990         | 11/19/76         | 10                  | 9293            | 34.0         | 143.3        | GGGG                  |                     |                      | 156                   | 41                   |
| 07847E                      | 2723N | 2631-04243        | 00000/0000            | 2-20034/0838         | 10/14/76         | 0                   | 8791            | 43.2         | 134.8        | GGGG                  |                     |                      | 156                   | 41                   |
| 07846E                      | 5139N | 2565-04535        | 00000/0000            | 2-20032/0005         | 08/09/76         | 30                  | 7871            | 47.4         | 136.5        | GGGG                  |                     |                      | 162                   | 24                   |
| 07846E                      | 2143N | 2432-04261        | 00000/0000            | 2-20022/0850         | 03/29/76         | 30                  | 6016            | 50.7         | 112.7        | GGGG                  |                     |                      | 155                   | 45                   |
| 07845E                      | 5422N | 2494-05004        | 00000/0000            | 2-20024/0100         | 05/30/76         | 20                  | 6881            | 52.3         | 139.4        | GGGG                  |                     |                      | 163                   | 22                   |
| 07845E                      | 5421N | 2548-04592        | 00000/0000            | 2-20029/0173         | 07/23/76         | 50                  | 7634            | 49.7         | 137.2        | GGGG                  |                     |                      | 163                   | 22                   |
| 07845E                      | 5136N | 2547-04542        | 00000/0000            | 2-20028/1609         | 07/22/76         | 90                  | 7620            | 51.3         | 133.1        | GGGG                  |                     |                      | 162                   | 24                   |
| 07845E                      | 5135N | 2493-04555        | 00000/0000            | 2-20024/0401         | 05/29/76         | 40                  | 6867            | 53.7         | 135.6        | GGGG                  |                     |                      | 162                   | 24                   |
| 07845E                      | 1556N | 2719-04125        | 00000/0000            | 2-20034/1172         | 01/10/77         | 0                   | 18              | 35.6         | 133.1        | FFGG                  |                     |                      | 154                   | 49                   |
| 07844E                      | 5132N | 2529-04545        | 00000/0000            | 2-20028/0631         | 07/04/76         | 10                  | 7369            | 53.9         | 131.8        | FFGG                  |                     |                      | 162                   | 24                   |
| 07844E                      | 2720N | 2649-04235        | 00000/0000            | 2-20035/0393         | 11/01/76         | 0                   | 9042            | 38.5         | 140.3        | GGGG                  |                     |                      | 156                   | 41                   |
| 07844E                      | 2715N | 2379-04314        | 00000/0000            | 2-20020/0990         | 02/05/76         | 0                   | 5277            | 33.8         | 136.2        | GGG                   |                     |                      | 156                   | 41                   |
| 07844E                      | 2142N | 2702-04174        | 00000/0000            | 2-20038/0497         | 12/24/76         | 0                   | 9781            | 32.5         | 139.5        | GGGG                  |                     |                      | 155                   | 45                   |
| 07844E                      | 2142N | 2720-04170        | 00000/0000            | 2-20038/1268         | 01/11/77         | 10                  | 32              | 32.2         | 136.4        | FFGG                  |                     |                      | 155                   | 45                   |
| 07843E                      | 5131N | 2673-04502        | 00000/0000            | 2-20036/1262         | 11/25/76         | 10                  | 9377            | 14.3         | 155.6        | GGGG                  |                     |                      | 162                   | 24                   |
| 07843E                      | 2142N | 2684-04182        | 00000/0000            | 2-20037/0330         | 12/06/76         | 50                  | 9530            | 34.5         | 140.7        | PPPP                  |                     |                      | 155                   | 45                   |
| 07843E                      | 1553N | 2683-04142        | 00000/0000            | 2-20037/0131         | 12/05/76         | 10                  | 9516            | 38.5         | 137.0        | GGGG                  |                     |                      | 154                   | 49                   |
| 07842E                      | 5419N | 2530-04595        | 00000/0000            | 2-20028/0719         | 07/05/76         | 40                  | 7383            | 52.4         | 136.1        | GGGG                  |                     |                      | 163                   | 22                   |
| 07842E                      | 5129N | 2511-04552        | 00000/0000            | 2-20024/1559         | 06/16/76         | 40                  | 7118            | 54.8         | 132.7        | GGGG                  |                     |                      | 162                   | 24                   |
| 07842E                      | 2136N | 2414-04264        | 00000/0000            | 2-20021/1472         | 03/11/76         | 10                  | 5765            | 45.8         | 120.4        | GGGG                  |                     |                      | 155                   | 45                   |
| 07842E                      | 1550N | 2647-04155        | 00000/0000            | 2-20035/0310         | 10/30/76         | 20                  | 9014            | 45.8         | 130.3        | GGGG                  |                     |                      | 154                   | 49                   |
| 07841E                      | 5416N | 2512-05002        | 00000/0000            | 2-20027/0079         | 06/17/76         | 10                  | 7132            | 53.4         | 137.0        | GGGG                  |                     |                      | 163                   | 22                   |
| 07840E                      | 4443N | 2455-04472        | 00000/0000            | 2-20024/0229         | 04/21/76         | 10                  | 6337            | 48.8         | 133.8        | GGGF                  |                     |                      | 160                   | 29                   |
| 07840E                      | 2137N | 2648-04195        | 00000/0000            | 2-20035/0412         | 10/31/76         | 0                   | 9028            | 42.3         | 135.7        | GGGG                  |                     |                      | 155                   | 45                   |
| 07840E                      | 2135N | 2396-04271        | 00000/0000            | 2-20021/0391         | 02/22/76         | 0                   | 5514            | 40.9         | 127.0        | FFGG                  |                     |                      | 155                   | 45                   |
| 07840E                      | 1551N | 2629-04163        | 00000/0000            | 2-20034/0658         | 10/12/76         | 0                   | 8763            | 49.3         | 122.4        | GGGG                  |                     |                      | 154                   | 49                   |
| 07840E                      | 1551N | 2665-04151        | 00000/0000            | 2-20037/0234         | 11/17/76         | 90                  | 9265            | 41.9         | 135.2        | GGGG                  |                     |                      | 154                   | 49                   |
| 07839E                      | 2133N | 2630-04203        | 00000/0000            | 2-20034/0780         | 10/13/76         | 0                   | 8777            | 46.5         | 129.0        | GGGG                  |                     |                      | 155                   | 45                   |
| 07838E                      | 5846N | 2460-05115        | 00000/0000            | 2-20024/0841         | 04/26/76         | 0                   | 6407            | 41.7         | 149.8        | GGGG                  |                     |                      | 165                   | 19                   |
| 07837E                      | 4439N | 2707-04393        | 00000/0000            | 2-20038/0669         | 12/29/76         | 60                  | 9851            | 16.1         | 149.6        | GGGG                  |                     |                      | 160                   | 29                   |
| 07837E                      | 4437N | 2437-04480        | 00000/0000            | 2-20022/1155         | 04/03/76         | 10                  | 6086            | 42.7         | 137.2        | GGGG                  |                     |                      | 160                   | 29                   |
| 07837E                      | 4436N | 2473-04470        | 00000/0000            | 2-20024/1870         | 05/09/76         | 0                   | 6588            | 53.7         | 129.4        | GGGG                  |                     |                      | 160                   | 29                   |
| 07836E                      | 4439N | 2725-04385        | 00000/0000            | 2-20039/0076         | 01/16/77         | 10                  | 102             | 17.4         | 146.8        | GGG                   |                     |                      | 160                   | 29                   |
| 07836E                      | 3147N | 2722-04253        | 00000/0000            | 2-20038/1327         | 01/13/77         | 0                   | 60              | 25.9         | 141.4        | GGGG                  |                     |                      | 157                   | 38                   |
| 07836E                      | 3146N | 2704-04261        | 00000/0000            | 2-20038/0176         | 12/26/76         | 90                  | 9809            | 25.5         | 144.4        | FFGF                  |                     |                      | 157                   | 38                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
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FOR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE | SBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NR./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07835E                      | 3143N             | 2686-04265            | 00000/0000           | 2-20037/0439     | 12/08/76            | 60              | 9558         | 27.2         | 146.0                 | GGGG                |                      | 157                   | 38                   |
| 07834E                      | 4437N             | 2563-04443            | 00000/0000           | 2-20030/0925     | 08/07/76            | 0               | 7843         | 51.2         | 126.6                 | GGGG                |                      | 160                   | 29                   |
| 07834E                      | 4434N             | 2689-04401            | 00000/0000           | 2-20037/0649     | 12/11/76            | 10              | 9600         | 17.2         | 151.6                 | PPP                 |                      | 160                   | 29                   |
| 07833E                      | 4430N             | 2545-04450            | 00000/0000           | 2-20029/0053     | 07/20/76            | 60              | 7592         | 54.6         | 122.0                 | GGGG                |                      | 160                   | 29                   |
| 07833E                      | 4029N             | 2454-04430            | 00000/0000           | 2-20024/0051     | 04/20/76            | 0               | 6323         | 50.6         | 128.7                 | GGGF                |                      | 159                   | 32                   |
| 07832E                      | 5844N             | 2442-0512P            | 00000/0000           | 2-20022/1609     | 04/08/76            | 80              | 6156         | 35.4         | 150.7                 | GG                  |                      | 165                   | 19                   |
| 07832E                      | 4431N             | 2527-04453            | 00000/0000           | 2-20028/0567     | 07/02/76            | 70              | 7341         | 58.8         | 120.1                 | GGGG                |                      | 160                   | 29                   |
| 07832E                      | 4430N             | 2671-04410            | 00000/0000           | 2-20036/1174     | 11/23/76            | 0               | 9349         | 20.3         | 152.3                 | GGGG                |                      | 160                   | 29                   |
| 07832E                      | 4426N             | 2509-04460            | 00000/0000           | 2-20026/1609     | 06/14/76            | 10              | 7090         | 57.7         | 121.0                 | GGGG                |                      | 160                   | 29                   |
| 07832E                      | 3141N             | 2668-04274            | 00000/0000           | 2-20036/1028     | 11/20/76            | 20              | 9307         | 30.7         | 145.8                 | GGGG                |                      | 157                   | 38                   |
| 07831E                      | 5843N             | 2586-0508P            | 00000/0000           | 2-20032/0384     | 08/30/76            | 90              | 8164         | 36.8         | 149.3                 | GGGG                |                      | 165                   | 19                   |
| 07831E                      | 5839N             | 2478-0511P            | 00000/0000           | 2-20025/0312     | 05/14/76            | 10              | 6658         | 46.7         | 148.0                 | GGGG                |                      | 165                   | 19                   |
| 07831E                      | 4021N             | 2472-04423            | 00000/0000           | 2-20024/1833     | 05/08/76            | 60              | 6574         | 55.3         | 123.3                 | GGGG                |                      | 159                   | 32                   |
| 07831E                      | 3602N             | 2471-04380            | 00000/0000           | 2-20024/1732     | 05/07/76            | 60              | 6560         | 56.5         | 116.8                 | FGGF                |                      | 158                   | 35                   |
| 07830E                      | 3605N             | 2435-04390            | 00000/0000           | 2-20022/1134     | 04/01/76            | 10              | 6058         | 46.5         | 128.7                 | GGGG                |                      | 158                   | 35                   |
| 07829E                      | 4020N             | 2436-04433            | 00000/0000           | 2-20022/1094     | 04/02/76            | 0               | 6072         | 44.7         | 133.0                 | GGGG                |                      | 159                   | 32                   |
| 07829E                      | 3607N             | 2705-04303            | 00000/0000           | 2-20038/0215     | 12/27/76            | 20              | 9823         | 22.4         | 146.2                 | GGGG                |                      | 158                   | 35                   |
| 07829E                      | 3605N             | 2723-04295            | 00000/0000           | 2-20032/1393     | 01/14/77            | 90              | 74           | 23.1         | 143.2                 | GGGG                |                      | 158                   | 35                   |
| 07829E                      | 3604N             | 2561-04354            | 00000/0000           | 2-20030/0853     | 08/05/76            | 80              | 7815         | 54.3         | 113.4                 | GGGG                |                      | 158                   | 35                   |
| 07829E                      | 3558N             | 2543-04361            | 00000/0000           | 2-20028/1850     | 07/18/76            | 40              | 7564         | 56.9         | 107.5                 | FFFF                |                      | 158                   | 35                   |
| 07828E                      | 4023N             | 2706-04350            | 00000/0000           | 2-20038/0240     | 12/28/76            | 0               | 9837         | 19.3         | 147.9                 | PPPP                |                      | 159                   | 32                   |
| 07828E                      | 3604N             | 2687-04312            | 00000/0000           | 2-20037/0498     | 12/09/76            | 20              | 9572         | 23.9         | 148.0                 | GGGG                |                      | 158                   | 35                   |
| 07828E                      | 2604N             | 2433-04303            | 00000/0000           | 2-20022/0798     | 03/30/76            | 50              | 6030         | 49.8         | 117.7                 | FFGG                |                      | 154                   | 42                   |
| 07827E                      | 5834N             | 2496-05105            | 00000/0000           | 2-20026/0644     | 06/01/76            | 10              | 6909         | 49.9         | 145.6                 | GGGG                |                      | 165                   | 19                   |
| 07827E                      | 4023N             | 2724-04342            | 00000/0000           | 2-20039/0011     | 01/15/77            | 50              | 88           | 20.3         | 145.0                 | GFFG                |                      | 159                   | 32                   |
| 07827E                      | 3600N             | 2417-04394            | 00000/0000           | 2-20021/1602     | 03/14/76            | 0               | 5807         | 40.2         | 133.2                 | GGGG                |                      | 158                   | 35                   |
| 07827E                      | 3556N             | 2525-04364            | 00000/0000           | 2-20022/0481     | 06/30/76            | 50              | 7313         | 58.6         | 104.8                 | FFFF                |                      | 158                   | 35                   |
| 07827E                      | 2602N             | 2703-04221            | 00000/0000           | 2-20035/0139     | 12/25/76            | 0               | 9785         | 29.5         | 141.7                 | FFFF                |                      | 156                   | 42                   |
| 07826E                      | 4019N             | 2688-04355            | 00000/0000           | 2-20037/0530     | 12/10/76            | 10              | 9586         | 20.6         | 149.8                 | FFGG                |                      | 159                   | 32                   |
| 07826E                      | 4017N             | 2544-04404            | 00000/0000           | 2-20022/1893     | 07/19/76            | 20              | 7578         | 56.0         | 115.0                 | GGGG                |                      | 159                   | 32                   |
| 07826E                      | 2602N             | 2721-0421P            | 00000/0000           | 2-20038/0979     | 01/12/77            | 40              | 46           | 29.6         | 138.6                 | FGGG                |                      | 156                   | 42                   |
| 07826E                      | 2600N             | 2685-04225            | 00000/0000           | 2-20036/1821     | 12/07/76            | 10              | 9544         | 31.5         | 143.2                 | GGGG                |                      | 156                   | 42                   |
| 07825E                      | 4013N             | 2490-04420            | 00000/0000           | 2-20026/005E     | 05/26/76            | 40              | 6825         | 58.0         | 117.7                 | GGGG                |                      | 159                   | 32                   |
| 07825E                      | 3557N             | 2669-04321            | 00000/0000           | 2-20036/0521     | 11/21/76            | 10              | 9321         | 27.3         | 148.1                 | GGGG                |                      | 158                   | 35                   |
| 07824E                      | 4013N             | 2526-04411            | 00000/0000           | 2-20022/0431     | 07/01/76            | 50              | 7327         | 58.0         | 112.6                 | GGGG                |                      | 159                   | 32                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07824E                                  | 4012N             | 2508-04414                                         | 00000/0000       | 2-20026/1411        | 06/13/76        | 10           | 7076         | 58.8                               | 113.6               | GGGG                 |                       |                      |
| 07824E                                  | 2557N             | 2631-04250                                         | 00000/0000       | 2-20034/0839        | 10/14/76        | 0            | 8791         | 44.0                               | 133.5               | GGGG                 | 159                   | 32                   |
| 07824E                                  | 1429N             | 2719-04132                                         | 00000/0000       | 2-20038/1173        | 01/10/77        | 0            | 18           | 36.4                               | 132.1               | GGGG                 | 156                   | 42                   |
| 07823E                                  | 4732N             | 2456-04522                                         | 00000/0000       | 2-20024/0359        | 04/22/76        | 40           | 6351         | 47.6                               | 137.0               | GGGG                 | 154                   | 50                   |
| 07823E                                  | 4020N             | 2598-04390                                         | 00000/0000       | 2-20032/1145        | 09/11/76        | 20           | 8331         | 44.7                               | 134.0               | GGGG                 | 161                   | 27                   |
| 07823E                                  | 4011N             | 2670-04363                                         | 00000/0000       | 2-20036/0825        | 11/22/76        | 0            | 9335         | 23.9                               | 150.2               | FGGG                 | 159                   | 32                   |
| 07823E                                  | 2558N             | 2667-04234                                         | 00000/0000       | 2-20036/0991        | 11/19/76        | 10           | 9293         | 35.0                               | 142.5               | GFFF                 | 159                   | 32                   |
| 07822E                                  | 2016N             | 2702-04180                                         | 00000/0000       | 2-20038/0498        | 12/24/76        | 10           | 9781         | 33.4                               | 138.7               | GGGG                 | 156                   | 42                   |
| 07822E                                  | 4728N             | 2474-04515                                         | 00000/0000       | 2-20025/0009        | 05/10/76        | 10           | 6602         | 52.5                               | 133.3               | GGGG                 | 153                   | 46                   |
| 07822E                                  | 2556N             | 2397-04314                                         | 00000/0000       | 2-20021/0484        | 02/23/76        | 0            | 5528         | 39.0                               | 130.3               | GGGG                 | 161                   | 27                   |
| 07822E                                  | 2015N             | 2720-04172                                         | 00000/0000       | 2-20038/1269        | 01/11/77        | 10           | 32           | 33.1                               | 135.6               | GGGG                 | 156                   | 42                   |
| 07822E                                  | 1426N             | 2683-04145                                         | 00000/0000       | 2-20037/0132        | 12/05/76        | 10           | 9516         | 39.3                               | 136.0               | GGGG                 | 155                   | 46                   |
| 07821E                                  | 2554N             | 2649-04242                                         | 00000/0000       | 2-20035/0394        | 11/01/76        | 0            | 9042         | 39.4                               | 139.3               | GGGG                 | 154                   | 50                   |
| 07821E                                  | 2549N             | 2379-04321                                         | 00000/0000       | 2-20020/0999        | 02/05/76        | 10           | 5277         | 34.7                               | 135.3               | G                    | 156                   | 42                   |
| 07821E                                  | 2015N             | 2684-04125                                         | 00000/0000       | 2-20037/0331        | 12/06/76        | 30           | 9530         | 35.5                               | 139.9               | PPPP                 | 155                   | 46                   |
| 07820E                                  | 5827N             | 2532-05100                                         | 00000/0000       | 2-20028/0837        | 07/07/76        | 40           | 7411         | 49.8                               | 142.5               | G                    | 165                   | 19                   |
| 07820E                                  | 4730N             | 2726-04434                                         | 00000/0000       | 2-20039/0049        | 01/17/77        | 10           | 116          | 15.5                               | 147.9               | FGGG                 | 161                   | 27                   |
| 07819E                                  | 4728N             | 2708-04442                                         | 00000/0000       | 2-20038/0386        | 12/30/76        | 20           | 9865         | 14.0                               | 150.6               | FGGG                 | 161                   | 27                   |
| 07819E                                  | 2010N             | 2648-04202                                         | 00000/0000       | 2-20035/0413        | 10/31/76        | 0            | 9028         | 43.2                               | 134.5               | GGGG                 | 158                   | 46                   |
| 07819E                                  | 1425N             | 2665-04153                                         | 00000/0000       | 2-20037/0235        | 11/17/76        | 70           | 9265         | 42.7                               | 134.1               | GGGG                 | 154                   | 50                   |
| 07818E                                  | 5600N             | 2459-05065                                         | 00000/0000       | 2-20024/0556        | 04/25/76        | 40           | 6393         | 43.3                               | 146.6               | FGGG                 | 164                   | 21                   |
| 07818E                                  | 4727N             | 2564-04492                                         | 00000/0000       | 2-20030/0949        | 08/08/76        | 20           | 7857         | 49.7                               | 130.7               | FGGG                 | 161                   | 27                   |
| 07817E                                  | 2007N             | 2630-04210                                         | 00000/0000       | 2-20034/0781        | 10/13/76        | 0            | 8777         | 47.2                               | 127.5               | GGGG                 | 155                   | 46                   |
| 07816E                                  | 4721N             | 2546-04500                                         | 00000/0000       | 2-20028/1696        | 07/21/76        | 10           | 7606         | 53.4                               | 126.6               | GGG                  | 161                   | 27                   |
| 07815E                                  | 4726N             | 2690-04450                                         | 00000/0000       | 2-20037/0676        | 12/12/76        | 0            | 9614         | 14.8                               | 152.7               | FGGG                 | 161                   | 27                   |
| 07814E                                  | 4719N             | 2672-04455                                         | 00000/0000       | 2-20037/0173        | 11/24/76        | 0            | 9363         | 17.9                               | 153.6               | GGGG                 | 161                   | 27                   |
| 07813E                                  | 4719N             | 2528-04503                                         | 00000/0000       | 2-20028/0584        | 07/03/76        | 50           | 7355         | 55.8                               | 124.8               | GGGG                 | 161                   | 27                   |
| 07813E                                  | 4714N             | 2510-04510                                         | 00000/0000       | 2-20026/1640        | 06/15/76        | 60           | 7104         | 56.7                               | 125.8               | GGGG                 | 161                   | 27                   |
| 07812E                                  | 5551N             | 2477-05063                                         | 00000/0000       | 2-20025/0350        | 05/13/76        | 10           | 6644         | 48.4                               | 144.3               | GGGG                 | 161                   | 27                   |
| 07811E                                  | 5555N             | 2567-05040                                         | 00000/0000       | 2-20030/1114        | 08/11/76        | 30           | 7899         | 44.4                               | 142.3               | GGGG                 | 164                   | 21                   |
| 07811E                                  | 5020N             | 2457-04571                                         | 00000/0000       | 2-20024/0436        | 04/23/76        | 70           | 6365         | 46.3                               | 140.2               | GGGF                 | 162                   | 25                   |
| 07811E                                  | 5018N             | 2475-04564                                         | 00000/0000       | 2-20025/0260        | 05/11/76        | 0            | 6616         | 51.3                               | 137.0               | GGGG                 | 162                   | 25                   |
| 07811E                                  | 3020N             | 2704-04263                                         | 00000/0000       | 2-20038/0177        | 12/26/76        | 50           | 9809         | 26.5                               | 143.7               | FFGF                 | 157                   | 39                   |
| 07811E                                  | 3020N             | 2722-04255                                         | 00000/0000       | 2-20038/1328        | 01/13/77        | 0            | 60           | 26.9                               | 140.6               | GGGG                 | 157                   | 39                   |
| 07810E                                  | 3017N             | 2686-04272                                         | 00000/0000       | 2-20037/0440        | 12/08/76        | 10           | 9558         | 28.3                               | 145.3               | GGGG                 | 157                   | 39                   |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07810E                      | 3015N             | 2416-04354            | 00000/0000           | 2-20022/0077     | 03/13/76            | 20              | 5793         | 42.8         | 128.3                 | GGGG                |                      | 157                   | 39                   |
| 07809E                      | 5018N             | 2709-04491            | 00000/0000           | 2-20038/0411     | 12/31/76            | 10              | 9879         | 11.9         | 151.7                 | FGFP                |                      | 162                   | 25                   |
| 07808E                      | 5555N             | 2585-05033            | 00000/0000           | 2-20032/0333     | 08/29/76            | 100             | 8150         | 39.1         | 146.1                 | GGGG                |                      | 164                   | 21                   |
| 07808E                      | 5310N             | 2458-05020            | 00000/0000           | 2-20024/0397     | 04/24/76            | 60              | 6379         | 44.8         | 143.4                 | GGGG                |                      | 163                   | 23                   |
| 07808E                      | 5019N             | 2727-04483            | 00000/0000           | 2-20038/1430     | 01/18/77            | 0               | 130          | 13.6         | 149.0                 | PPPP                |                      | 162                   | 25                   |
| 07808E                      | 4318N             | 2455-04475            | 00000/0000           | 2-20024/0230     | 04/21/76            | 10              | 6337         | 49.6         | 132.0                 | GGGG                |                      | 160                   | 30                   |
| 07808E                      | 3015N             | 2668-04280            | 00000/0000           | 2-20036/1029     | 11/20/76            | 70              | 9307         | 31.7         | 145.1                 | GGGG                |                      | 157                   | 39                   |
| 07808E                      | 3013N             | 2398-04361            | 00000/0000           | 2-20021/0421     | 02/24/76            | 80              | 5542         | 37.0         | 133.3                 | GGGG                |                      | 157                   | 39                   |
| 07807E                      | 5309N             | 2710-04540            | 00000/0000           | 2-20038/0419     | 01/01/77            | 10              | 9893         | 9.7          | 152.9                 | P F                 |                      | 163                   | 23                   |
| 07807E                      | 5017N             | 2583-04534            | 00000/0000           | 2-20032/0192     | 08/27/76            | 10              | 8122         | 43.3         | 139.5                 | GGGG                |                      | 162                   | 25                   |
| 07807E                      | 5013N             | 2691-04500            | 00000/0000           | 2-20037/0750     | 12/13/76            | 100             | 9628         | 12.5         | 153.9                 | GGGG                |                      | 162                   | 25                   |
| 07807E                      | 3010N             | 2650-04285            | 00000/0000           | 2-20035/0439     | 11/02/76            | 0               | 9056         | 36.3         | 142.5                 | GG                  |                      | 157                   | 39                   |
| 07806E                      | 5015N             | 2565-04542            | 00000/0000           | 2-20032/0006     | 08/09/76            | 30              | 7871         | 48.1         | 134.7                 | GGGG                |                      | 162                   | 25                   |
| 07805E                      | 5546N             | 2549-05043            | 00000/0000           | 2-20030/0125     | 07/24/76            | 80              | 7648         | 48.7         | 139.4                 | GGGG                |                      | 164                   | 21                   |
| 07805E                      | 5545N             | 2495-05060            | 00000/0000           | 2-20026/0102     | 05/31/76            | 10              | 6895         | 51.6         | 141.5                 | GGGG                |                      | 164                   | 21                   |
| 07805E                      | 5304N             | 2476-05013            | 00000/0000           | 2-20024/1652     | 05/12/76            | 60              | 6630         | 49.9         | 140.7                 | GFFG                |                      | 163                   | 23                   |
| 07805E                      | 5011N             | 2493-04561            | 00000/0000           | 2-20026/0432     | 05/29/76            | 10              | 6867         | 54.4         | 133.4                 | GGGG                |                      | 162                   | 25                   |
| 07805E                      | 5011N             | 2547-04545            | 00000/0000           | 2-20028/1610     | 07/22/76            | 70              | 7620         | 52.0         | 131.1                 | GGGG                |                      | 162                   | 25                   |
| 07805E                      | 4314N             | 2707-04395            | 00000/0000           | 2-20038/0663     | 12/29/76            | 50              | 9851         | 17.1         | 149.0                 | G GG                |                      | 160                   | 30                   |
| 07805E                      | 4312N             | 2437-04482            | 00000/0000           | 2-20022/1202     | 04/03/76            | 10              | 6086         | 43.5         | 135.7                 | GGGG                |                      | 160                   | 30                   |
| 07805E                      | 4310N             | 2473-04472            | 00000/0000           | 2-20024/1871     | 05/09/76            | 0               | 6588         | 54.3         | 127.3                 | GGGG                |                      | 160                   | 30                   |
| 07805E                      | 3003N             | 2380-04364            | 00000/0000           | 2-20020/1043     | 02/06/76            | 50              | 5291         | 32.3         | 137.8                 | GGGG                |                      | 157                   | 39                   |
| 07805E                      | 2438N             | 2433-04310            | 00000/0000           | 2-20022/0799     | 03/30/76            | 20              | 6030         | 50.2         | 115.9                 | GFGG                |                      | 156                   | 43                   |
| 07804E                      | 5542N             | 2513-05053            | 00000/0000           | 2-20026/1761     | 06/18/76            | 50              | 7146         | 52.6         | 139.1                 | GGGG                |                      | 164                   | 21                   |
| 07804E                      | 5309N             | 2584-04584            | 00000/0000           | 2-20032/0282     | 08/28/76            | 20              | 8136         | 41.2         | 142.8                 | GGGG                |                      | 163                   | 23                   |
| 07804E                      | 5308N             | 2728-04532            | 00000/0000           | 2-20039/0120     | 01/19/77            | 90              | 144          | 11.7         | 150.3                 | PPPP                |                      | 163                   | 23                   |
| 07804E                      | 5305N             | 2566-04591            | 00000/0000           | 2-20030/1040     | 08/10/76            | 20              | 7885         | 46.3         | 138.5                 | GGGG                |                      | 163                   | 23                   |
| 07804E                      | 5009N             | 2529-04552            | 00000/0000           | 2-20028/0632     | 07/04/76            | 10              | 7369         | 54.5         | 129.5                 | GGGG                |                      | 162                   | 25                   |
| 07804E                      | 4313N             | 2725-04391            | 00000/0000           | 2-20039/0077     | 01/16/77            | 10              | 102          | 18.4         | 146.1                 | GG                  |                      | 160                   | 30                   |
| 07804E                      | 3903N             | 2454-04432            | 00000/0000           | 2-20024/0052     | 04/20/76            | 0               | 6323         | 51.3         | 126.9                 | GGGG                |                      | 159                   | 33                   |
| 07804E                      | 3436N             | 2471-04382            | 00000/0000           | 2-20024/1733     | 05/07/76            | 60              | 6560         | 56.8         | 114.4                 | FGGG                |                      | 158                   | 36                   |
| 07803E                      | 5545N             | 2531-05050            | 00000/0000           | 2-20028/0743     | 07/06/76            | 50              | 7397         | 51.5         | 138.3                 | GGGG                |                      | 164                   | 21                   |
| 07803E                      | 5007N             | 2673-04504            | 00000/0000           | 2-20036/1263     | 11/25/76            | 0               | 9377         | 15.5         | 154.9                 | GGGG                |                      | 162                   | 25                   |
| 07803E                      | 3439N             | 2435-04393            | 00000/0000           | 2-20022/1135     | 04/01/76            | 0               | 6058         | 47.2         | 127.1                 | GGGG                |                      | 158                   | 36                   |
| 07803E                      | 3438N             | 2561-04360            | 00000/0000           | 2-20030/0854     | 08/05/76            | 80              | 7815         | 54.6         | 111.2                 | FFFF                |                      | 158                   | 36                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07803E                      | 3433N             | 2543-04363            | 00000/0000           | 2-20028/1851     | 07/18/76            | 30              | 7564         | 57.0         | 105.1                 |                     |                      |                       |                      |
| 07803E                      | 2436N             | 2703-04223            | 00000/0000           | 2-20038/0140     | 12/25/76            | 0               | 9795         | 30.5         | 140.9                 | FFFF                |                      | 158                   | 36                   |
| 07803E                      | 2435N             | 2721-04215            | 00000/0000           | 2-20038/0980     | 01/12/77            | 20              | 46           | 30.5         | 137.8                 | FFFF                |                      | 156                   | 43                   |
| 07803E                      | 2434N             | 2685-04232            | 00000/0000           | 2-20036/1822     | 12/07/76            | 40              | 9544         | 32.5         | 142.4                 | GGFG                |                      | 156                   | 43                   |
| 07803E                      | 1850N             | 2432-04270            | 00000/0000           | 2-20022/0851     | 03/29/76            | 30              | 6016         | 51.3         | 109.0                 | GGGF                |                      | 156                   | 43                   |
| 07803E                      | 1303N             | 2719-04134            | 00000/0000           | 2-20038/1174     | 01/10/77            | 0               | 18           | 37.2         | 131.2                 | GGGG                |                      | 155                   | 47                   |
| 07802E                      | 5307N             | 2602-04581            | 00000/0000           | 2-20032/1297     | 09/15/76            | 80              | 8387         | 35.4         | 147.3                 | FGGG                |                      | 154                   | 51                   |
| 07802E                      | 4311N             | 2563-04450            | 00000/0000           | 2-20030/0926     | 08/07/76            | 0               | 7843         | 51.8         | 124.6                 | FGGG                |                      | 163                   | 23                   |
| 07802E                      | 4309N             | 2689-04404            | 00000/0000           | 2-20037/0671     | 12/11/76            | 10              | 9600         | 18.3         | 151.0                 | GGGG                |                      | 160                   | 30                   |
| 07802E                      | 3856N             | 2472-04425            | 00000/0000           | 2-20024/1834     | 05/08/76            | 10              | 6574         | 55.8         | 121.0                 | P                   |                      | 160                   | 30                   |
| 07802E                      | 3441N             | 2705-04310            | 00000/0000           | 2-20038/0216     | 12/27/76            | 60              | 9823         | 23.4         | 145.6                 | GGGG                |                      | 159                   | 33                   |
| 07802E                      | 3439N             | 2723-04302            | 00000/0000           | 2-20038/1394     | 01/14/77            | 90              | 74           | 24.1         | 142.5                 | FGGG                |                      | 158                   | 36                   |
| 07802E                      | 1300N             | 2683-04151            | 00000/0000           | 2-20037/0133     | 12/05/76            | 10              | 9516         | 40.2         | 135.0                 | GGGG                |                      | 158                   | 36                   |
| 07801E                      | 5258N             | 2548-04594            | 00000/0000           | 2-20029/0174     | 07/23/76            | 60              | 7634         | 50.4         | 135.2                 | GGGG                |                      | 154                   | 51                   |
| 07801E                      | 5005N             | 2511-04555            | 00000/0000           | 2-20026/1560     | 06/16/76            | 60              | 7118         | 55.5         | 130.4                 | GGGG                |                      | 163                   | 23                   |
| 07801E                      | 4306N             | 2545-04453            | 00000/0000           | 2-20029/0054     | 07/20/76            | 40              | 7592         | 55.1         | 119.8                 | FGGF                |                      | 162                   | 25                   |
| 07801E                      | 3438N             | 2597-04350            | 00000/0000           | 2-20032/1065     | 09/10/76            | 0               | 8317         | 47.8         | 127.4                 | GGGG                |                      | 160                   | 30                   |
| 07801E                      | 3437N             | 2687-04314            | 00000/0000           | 2-20037/0499     | 12/09/76            | 10              | 9572         | 25.0         | 147.3                 | GGGG                |                      | 158                   | 36                   |
| 07801E                      | 3434N             | 2417-04400            | 00000/0000           | 2-20021/1603     | 03/14/76            | 0               | 5807         | 41.0         | 131.9                 | GGGG                |                      | 158                   | 36                   |
| 07801E                      | 3431N             | 2525-04370            | 00000/0000           | 2-20028/0482     | 06/30/76            | 10              | 7313         | 58.7         | 102.2                 | GGGG                |                      | 158                   | 36                   |
| 07801E                      | 2433N             | 2415-04313            | 00000/0000           | 2-20021/1513     | 03/12/76            | 0               | 5779         | 45.0         | 123.0                 | FGGG                |                      | 158                   | 36                   |
| 07800E                      | 5258N             | 2494-05011            | 00000/0000           | 2-20026/0101     | 05/30/76            | 10              | 6821         | 53.1         | 137.5                 | GGGG                |                      | 156                   | 43                   |
| 07800E                      | 5258N             | 2674-04553            | 00000/0000           | 2-20036/1537     | 11/26/76            | 10              | 9391         | 13.0         | 156.3                 | GGGG                |                      | 163                   | 23                   |
| 07800E                      | 4306N             | 2527-04460            | 00000/0000           | 2-20028/0568     | 07/02/76            | 60              | 7341         | 57.3         | 117.6                 | GGGG                |                      | 163                   | 23                   |
| 07800E                      | 4305N             | 2671-04412            | 00000/0000           | 2-20036/1175     | 11/23/76            | 10              | 9349         | 21.4         | 151.6                 | GGGG                |                      | 160                   | 30                   |
| 07800E                      | 4301N             | 2509-04463            | 00000/0000           | 2-20026/1610     | 06/14/76            | 10              | 7090         | 58.1         | 118.5                 | GGGG                |                      | 160                   | 30                   |
| 07800E                      | 3854N             | 2436-04440            | 00000/0000           | 2-20022/1095     | 04/02/76            | 0               | 6072         | 45.5         | 131.5                 | GGGG                |                      | 160                   | 30                   |
| 07800E                      | 2431N             | 2631-04252            | 00000/0000           | 2-20034/0840     | 10/14/76            | 0               | 8791         | 44.8         | 132.2                 | GGGG                |                      | 159                   | 33                   |
| 07800E                      | 2431N             | 2667-04240            | 00000/0000           | 2-20036/0992     | 11/19/76            | 10              | 9293         | 35.9         | 141.6                 | GGGG                |                      | 156                   | 43                   |
| 07800E                      | 1848N             | 2720-04175            | 00000/0000           | 2-20038/1246     | 01/11/77            | 0               | 32           | 34.0         | 134.7                 | FGG                 |                      | 156                   | 43                   |
| 07759E                      | 2430N             | 2397-04320            | 00000/0000           | 2-20021/0485     | 02/23/76            | 0               | 5528         | 39.8         | 129.1                 | GGGG                |                      | 155                   | 47                   |
| 07759E                      | 1848N             | 2684-04191            | 00000/0000           | 2-20037/0332     | 12/06/76            | 30              | 9530         | 36.4         | 139.0                 | GGGG                |                      | 156                   | 43                   |
| 07759E                      | 1258N             | 2665-04160            | 00000/0000           | 2-20037/0236     | 11/17/76            | 30              | 9265         | 43.6         | 132.9                 | PPPP                |                      | 155                   | 47                   |
| 07758E                      | 5255N             | 2530-05001            | 00000/0000           | 2-20028/0720     | 07/05/76            | 60              | 7383         | 53.1         | 133.9                 | GGGG                |                      | 154                   | 51                   |
| 07758E                      | 3857N             | 2724-04344            | 00000/0000           | 2-20039/0012     | 01/15/77            | 10              | 88           | 21.3         | 144.4                 | GGGG                |                      | 163                   | 23                   |
|                             |                   |                       |                      |                  |                     |                 |              |              |                       |                     |                      | 159                   | 33                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 LANDSAT-2  
 COORDINATE LISTING  
 FOR NON-US  
 FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LAT   | LONG | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------|-------------------|------------------------------------------------|------------------|---------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07758E                      | 3852N |      | 2418-04443        | 00000/0000 2-20021/1660                        | 03/15/76         | 70                  | 5821         | 39.0         | 135.5                              |                     |                      | 159                   | 33                   |
| 07758E                      | 3432N |      | 2669-04323        | 00000/0000 2-20036/0522                        | 11/21/76         | 10                  | 9321         | 28.4         | 147.4                              | FGGG                |                      | 158                   | 36                   |
| 07758E                      | 2428N |      | 2649-04244        | 00000/0000 2-20035/0395                        | 11/01/76         | 0                   | 9042         | 40.3         | 138.2                              | GGGG                |                      | 156                   | 49                   |
| 07758E                      | 2423N |      | 2379-04323        | 00000/0000 2-20020/0991                        | 02/05/76         | 10                  | 5277         | 35.5         | 134.3                              | GGGG                |                      | 156                   | 43                   |
| 07758E                      | 1843N |      | 2414-04273        | 00000/0000 2-20021/1473                        | 03/11/76         | 0                   | 5765         | 46.8         | 117.3                              | GGGG                |                      | 153                   | 47                   |
| 07757E                      | 3853N |      | 2688-04361        | 00000/0000 2-20037/0531                        | 12/10/76         | 0                   | 9586         | 21.6         | 149.2                              | PGGG                |                      | 159                   | 33                   |
| 07757E                      | 3851N |      | 2544-04410        | 00000/0000 2-20028/1894                        | 07/19/76         | 50                  | 7578         | 56.3         | 112.6                              | GGGG                |                      | 159                   | 33                   |
| 07757E                      | 1844N |      | 2648-04204        | 00000/0000 2-20035/0414                        | 10/31/76         | 0                   | 9028         | 44.0         | 133.3                              | GGGG                |                      | 155                   | 47                   |
| 07756E                      | 5251N |      | 2512-05004        | 00000/0000 2-20027/0080                        | 06/17/76         | 40                  | 7132         | 54.1         | 134.8                              | GGGG                |                      | 163                   | 23                   |
| 07756E                      | 4300N |      | 2653-04421        | 00000/0000 2-20035/0537                        | 11/05/76         | 40                  | 9098         | 26.1         | 150.5                              | GGGG                |                      | 160                   | 30                   |
| 07756E                      | 3848N |      | 2490-04423        | 00000/0000 2-20026/0056                        | 05/26/76         | 30                  | 6825         | 58.4         | 115.2                              | GGFG                |                      | 159                   | 33                   |
| 07755E                      | 4302N |      | 2635-04425        | 00000/0000 2-20034/0886                        | 10/18/76         | 80                  | 8847         | 31.6         | 147.6                              | FGGG                |                      | 160                   | 30                   |
| 07755E                      | 3848N |      | 2526-04413        | 00000/0000 2-20028/0432                        | 07/01/76         | 50                  | 7327         | 58.2         | 110.0                              | GGGG                |                      | 159                   | 33                   |
| 07755E                      | 3846N |      | 2508-04420        | 00000/0000 2-20026/1412                        | 06/13/76         | 10                  | 7076         | 59.1         | 111.0                              | FGGG                |                      | 159                   | 33                   |
| 07755E                      | 1841N |      | 2630-04212        | 00000/0000 2-20034/0782                        | 10/13/76         | 0                   | 8777         | 47.9         | 126.0                              | GGGG                |                      | 155                   | 47                   |
| 07755E                      | 1838N |      | 2375-04283        | 00000/0000 2-20020/0906                        | 02/04/76         | 0                   | 5263         | 38.5         | 130.6                              | FGFG                |                      | 155                   | 47                   |
| 07754E                      | 3853N |      | 2598-04393        | 00000/0000 2-20032/1146                        | 09/11/76         | 10                  | 8331         | 45.5         | 132.5                              | GGGG                |                      | 159                   | 33                   |
| 07754E                      | 3847N |      | 2670-04370        | 00000/0000 2-20036/0826                        | 11/22/76         | 10                  | 9335         | 25.0         | 149.5                              | FFFG                |                      | 159                   | 33                   |
| 07753E                      | 3850N |      | 2616-04390        | 00000/0000 2-20034/0169                        | 09/29/76         | 10                  | 8582         | 40.4         | 139.2                              | GGGG                |                      | 159                   | 33                   |
| 07753E                      | 3845N |      | 2652-04374        | 00000/0000 2-20035/0555                        | 11/04/76         | 90                  | 9084         | 29.6         | 148.0                              | GGGG                |                      | 159                   | 33                   |
| 07751E                      | 2857N |      | 2452-04345        | 00000/0000 2-20023/0382                        | 04/18/76         | 10                  | 6295         | 54.1         | 113.5                              | GGGG                |                      | 157                   | 40                   |
| 07750E                      | 3846N |      | 2634-04382        | 00000/0000 2-20034/0642                        | 10/17/76         | 20                  | 8833         | 35.0         | 144.5                              | GGGG                |                      | 159                   | 33                   |
| 07749E                      | 2854N |      | 2434-04353        | 00000/0000 2-20022/1026                        | 03/31/76         | 90                  | 6044         | 49.2         | 120.8                              | GGGG                |                      | 157                   | 40                   |
| 07747E                      | 4607N |      | 2456-04524        | 00000/0000 2-20024/0360                        | 04/22/76         | 10                  | 6351         | 48.4         | 135.3                              | GGGG                |                      | 161                   | 28                   |
| 07747E                      | 4603N |      | 2474-04521        | 00000/0000 2-20025/0010                        | 05/10/76         | 0                   | 6602         | 53.2         | 131.3                              | GGGG                |                      | 161                   | 28                   |
| 07747E                      | 2854N |      | 2704-04270        | 00000/0000 2-20038/0178                        | 12/26/76         | 20                  | 9809         | 27.5         | 143.0                              | FFFF                |                      | 157                   | 40                   |
| 07746E                      | 2854N |      | 2722-04262        | 00000/0000 2-20038/1329                        | 01/13/77         | 10                  | 60           | 27.8         | 139.9                              | GGGG                |                      | 157                   | 40                   |
| 07746E                      | 2852N |      | 2686-04274        | 00000/0000 2-20037/0441                        | 12/08/76         | 10                  | 9558         | 29.3         | 144.6                              | GGGG                |                      | 157                   | 40                   |
| 07746E                      | 2850N |      | 2416-04360        | 00000/0000 2-20022/0078                        | 03/13/76         | 30                  | 5793         | 43.4         | 126.9                              | GGGG                |                      | 157                   | 40                   |
| 07745E                      | 4604N |      | 2726-04440        | 00000/0000 2-20039/0050                        | 01/17/77         | 10                  | 116          | 16.5         | 147.2                              | FGGG                |                      | 161                   | 28                   |
| 07744E                      | 4603N |      | 2708-04445        | 00000/0000 2-20038/0387                        | 12/30/76         | 60                  | 9865         | 15.0         | 150.0                              | FGGG                |                      | 161                   | 28                   |
| 07744E                      | 2849N |      | 2668-04283        | 00000/0000 2-20036/1030                        | 11/20/76         | 60                  | 9307         | 32.7         | 144.3                              | GGGG                |                      | 157                   | 40                   |
| 07744E                      | 2847N |      | 2398-04363        | 00000/0000 2-20021/0422                        | 02/24/76         | 80                  | 5542         | 37.8         | 132.2                              | GGGG                |                      | 157                   | 40                   |
| 07743E                      | 5723N |      | 2460-05121        | 00000/0000 2-20024/0842                        | 04/26/76         | 0                   | 6407         | 42.7         | 148.1                              | FGGF                |                      | 165                   | 20                   |
| 07743E                      | 4602N |      | 2564-04495        | 00000/0000 2-20030/0950                        | 08/08/76         | 10                  | 7857         | 50.4         | 128.8                              | FGGF                |                      | 161                   | 28                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US

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FROM 01/22/76 TO 01/22/77

| PRINCIPAL PRINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07743E                                  | 2844N             | 2650-04291                   | 00000/0000                  | 2-20035/0440     | 11/02/76            | 0               | 9056         | 37.2         | 141.5                              | GGGG                |                      | 157                   | 40                   |
| 07743E                                  | 1136N             | 2719-04141                   | 00000/0000                  | 2-20038/1175     | 01/10/77            | 0               | 18           | 37.9         | 130.1                              | GGGG                |                      | 154                   | 52                   |
| 07741E                                  | 4556N             | 2546-04502                   | 00000/0000                  | 2-20028/1697     | 07/21/76            | 10              | 7606         | 53.9         | 124.5                              | GGG                 |                      | 161                   | 28                   |
| 07741E                                  | 1133N             | 2683-04154                   | 00000/0000                  | 2-20037/0134     | 12/05/76            | 20              | 9516         | 41.0         | 133.9                              | GGGG                |                      | 154                   | 52                   |
| 07740E                                  | 4601N             | 2690-04453                   | 00000/0000                  | 2-20037/0677     | 12/12/76            | 0               | 9614         | 15.9         | 152.1                              | FGGG                |                      | 161                   | 28                   |
| 07740E                                  | 2310N             | 2703-04230                   | 00000/0000                  | 2-20038/0141     | 12/25/76            | 0               | 9795         | 31.5         | 140.2                              | FFFF                |                      | 154                   | 44                   |
| 07740E                                  | 2309N             | 2721-04221                   | 00000/0000                  | 2-20038/0981     | 01/12/77            | 10              | 46           | 31.4         | 137.0                              | FGGG                |                      | 154                   | 44                   |
| 07740E                                  | 2308N             | 2685-04234                   | 00000/0000                  | 2-20036/1823     | 12/07/76            | 50              | 9544         | 33.4         | 141.6                              | FGGG                |                      | 154                   | 44                   |
| 07740E                                  | 1723N             | 2702-04185                   | 00000/0000                  | 2-20038/0499     | 12/24/76            | 10              | 9781         | 35.2         | 136.9                              | GGGG                |                      | 155                   | 48                   |
| 07739E                                  | 4554N             | 2672-04462                   | 00000/0000                  | 2-20037/0174     | 11/24/76            | 0               | 9363         | 19.0         | 152.9                              | FGGG                |                      | 161                   | 28                   |
| 07739E                                  | 4553N             | 2528-04505                   | 00000/0000                  | 2-20028/0585     | 07/03/76            | 30              | 7355         | 56.3         | 122.5                              | GGGG                |                      | 161                   | 28                   |
| 07739E                                  | 4549N             | 2510-04512                   | 00000/0000                  | 2-20026/1641     | 06/15/76            | 80              | 7104         | 57.2         | 123.3                              | GGGG                |                      | 161                   | 28                   |
| 07739E                                  | 2307N             | 2415-04320                   | 00000/0000                  | 2-20021/1514     | 03/12/76            | 0               | 5779         | 45.5         | 121.6                              | GG G                |                      | 154                   | 44                   |
| 07739E                                  | 1722N             | 2720-04181                   | 00000/0000                  | 2-20038/1270     | 01/11/77            | 0               | 32           | 34.8         | 133.8                              | FGGG                |                      | 155                   | 48                   |
| 07739E                                  | 1132N             | 2665-04162                   | 00000/0000                  | 2-20037/0237     | 11/17/76            | 20              | 9265         | 44.4         | 131.7                              | GGGG                |                      | 154                   | 52                   |
| 07738E                                  | 5721N             | 2442-05124                   | 00000/0000                  | 2-20027/1610     | 04/08/76            | 90              | 6156         | 36.4         | 149.3                              | GGGF                |                      | 165                   | 20                   |
| 07738E                                  | 5716N             | 2478-05114                   | 00000/0000                  | 2-20025/0313     | 05/14/76            | 40              | 6658         | 47.7         | 146.1                              | GGGG                |                      | 165                   | 20                   |
| 07738E                                  | 3310N             | 2471-04385                   | 00000/0000                  | 2-20024/1734     | 05/07/76            | 70              | 6560         | 57.2         | 112.0                              | FGGG                |                      | 158                   | 37                   |
| 07738E                                  | 1722N             | 2684-04194                   | 00000/0000                  | 2-20037/0333     | 12/06/76            | 30              | 9530         | 37.4         | 138.0                              | PPPP                |                      | 155                   | 48                   |
| 07737E                                  | 5720N             | 2586-05085                   | 00000/0000                  | 2-20032/0385     | 08/30/76            | 90              | 8164         | 37.8         | 147.8                              | GGGG                |                      | 165                   | 20                   |
| 07737E                                  | 4153N             | 2455-04481                   | 00000/0000                  | 2-20024/0231     | 04/21/76            | 10              | 6337         | 50.3         | 130.2                              | GGGG                |                      | 160                   | 31                   |
| 07737E                                  | 3313N             | 2435-04395                   | 00000/0000                  | 2-20022/1136     | 04/01/76            | 0               | 6058         | 47.8         | 125.5                              | GGGG                |                      | 158                   | 37                   |
| 07737E                                  | 3312N             | 2561-04369                   | 00000/0000                  | 2-20030/0855     | 08/05/76            | 80              | 7815         | 54.9         | 109.0                              | FFFF                |                      | 158                   | 37                   |
| 07737E                                  | 2305N             | 2667-04243                   | 00000/0000                  | 2-20036/0993     | 11/19/76            | 10              | 9293         | 36.9         | 140.7                              | GGGG                |                      | 156                   | 44                   |
| 07737E                                  | 2304N             | 2631-04255                   | 00000/0000                  | 2-20034/0841     | 10/14/76            | 0               | 8791         | 45.5         | 130.9                              | GGGG                |                      | 156                   | 44                   |
| 07736E                                  | 3315N             | 2705-04312                   | 00000/0000                  | 2-20038/0217     | 12/27/76            | 10              | 9823         | 24.4         | 144.9                              | GGGG                |                      | 158                   | 37                   |
| 07736E                                  | 3313N             | 2723-04304                   | 00000/0000                  | 2-20038/1395     | 01/14/77            | 90              | 74           | 25.1         | 141.9                              | FGGG                |                      | 158                   | 37                   |
| 07736E                                  | 3308N             | 2543-04370                   | 00000/0000                  | 2-20028/1852     | 07/18/76            | 40              | 7564         | 57.1         | 102.7                              | GGGG                |                      | 158                   | 37                   |
| 07736E                                  | 2302N             | 2649-04251                   | 00000/0000                  | 2-20035/0396     | 11/01/76            | 0               | 9042         | 41.2         | 137.1                              | FGGG                |                      | 156                   | 44                   |
| 07736E                                  | 1717N             | 2648-04211                   | 00000/0000                  | 2-20035/0415     | 10/31/76            | 0               | 9028         | 44.8         | 132.0                              | GGGG                |                      | 155                   | 48                   |
| 07735E                                  | 3737N             | 2454-04435                   | 00000/0000                  | 2-20024/0053     | 04/20/76            | 0               | 6323         | 51.9         | 124.9                              | GGGG                |                      | 159                   | 34                   |
| 07735E                                  | 3312N             | 2597-04352                   | 00000/0000                  | 2-20032/1066     | 09/10/76            | 0               | 8317         | 48.4         | 125.7                              | GGGG                |                      | 158                   | 37                   |
| 07735E                                  | 3312N             | 2687-04321                   | 00000/0000                  | 2-20037/0500     | 12/09/76            | 10              | 9572         | 26.0         | 146.7                              | GGGG                |                      | 158                   | 37                   |
| 07735E                                  | 3308N             | 2417-04403                   | 00000/0000                  | 2-20021/1604     | 03/14/76            | 0               | 5807         | 41.7         | 130.7                              | GGGG                |                      | 158                   | 37                   |
| 07735E                                  | 2304N             | 2397-04323                   | 00000/0000                  | 2-20021/0486     | 02/23/76            | 0               | 5528         | 40.5         | 127.9                              | GGGG                |                      | 156                   | 44                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NDN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL No./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07735E                                  | 2256N             | 2379-04330                                     | 00000/0000       | 2-20020/0992        | 02/05/76        | 0            | 5277         | 36.3                               | 133.4               |                      |                       |                      |
| 07734E                                  | 4147N             | 2437-04485                                     | 00000/0000       | 2-20022/1203        | 04/03/76        | 20           | 6086         | 44.3                               | 134.3               | GGGG                 | 156                   | 44                   |
| 07734E                                  | 4145N             | 2473-04475                                     | 00000/0000       | 2-20024/1872        | 05/09/76        | 10           | 6588         | 54.9                               | 125.1               | GGGG                 | 160                   | 31                   |
| 07734E                                  | 3730N             | 2472-04432                                     | 00000/0000       | 2-20024/1835        | 05/08/76        | 10           | 6574         | 56.2                               | 118.8               | GGGG                 | 160                   | 31                   |
| 07734E                                  | 1714N             | 2630-04215                                     | 00000/0000       | 2-20034/0783        | 10/13/76        | 0            | 8777         | 48.5                               | 124.4               | GGGG                 | 159                   | 34                   |
| 07734E                                  | 1712N             | 2378-04285                                     | 00000/0000       | 2-20020/0907        | 02/04/76        | 0            | 5263         | 39.2                               | 129.5               | GGGG                 | 155                   | 48                   |
| 07733E                                  | 5711N             | 2496-05112                                     | 00000/0000       | 2-20026/0645        | 06/01/76        | 10           | 6909         | 50.8                               | 143.5               | GGGG                 | 155                   | 48                   |
| 07733E                                  | 4148N             | 2707-04402                                     | 00000/0000       | 2-20038/0670        | 12/29/76        | 40           | 9851         | 18.2                               | 148.4               | GGGG                 | 165                   | 20                   |
| 07733E                                  | 3306N             | 2669-04330                                     | 00000/0000       | 2-20036/0523        | 11/21/76        | 10           | 9321         | 29.4                               | 146.7               | GGGG                 | 160                   | 31                   |
| 07732E                                  | 4855N             | 2457-04573                                     | 00000/0000       | 2-20024/0437        | 04/23/76        | 20           | 6365         | 47.1                               | 138.5               | GGGG                 | 158                   | 37                   |
| 07732E                                  | 4853N             | 2475-04571                                     | 00000/0000       | 2-20025/0261        | 05/11/76        | 40           | 6616         | 52.0                               | 135.1               | GGGG                 | 162                   | 26                   |
| 07732E                                  | 4148N             | 2725-04394                                     | 00000/0000       | 2-20039/0078        | 01/16/77        | 10           | 102          | 19.4                               | 145.5               | GGGG                 | 162                   | 26                   |
| 07732E                                  | 3728N             | 2436-04442                                     | 00000/0000       | 2-20022/1096        | 04/02/76        | 40           | 6072         | 46.2                               | 129.9               | GGGG                 | 160                   | 31                   |
| 07731E                                  | 4146N             | 2563-04452                                     | 00000/0000       | 2-20030/0927        | 05/07/76        | 0            | 7843         | 52.3                               | 122.6               | GGGG                 | 159                   | 34                   |
| 07730E                                  | 5436N             | 2459-05072                                     | 00000/0000       | 2-20024/0557        | 04/25/76        | 50           | 6393         | 44.2                               | 144.9               | GGGG                 | 160                   | 31                   |
| 07730E                                  | 4853N             | 2709-04494                                     | 00000/0000       | 2-20038/0412        | 12/31/76        | 10           | 9879         | 12.9                               | 151.1               | GGGG                 | 164                   | 22                   |
| 07730E                                  | 4139N             | 2545-04455                                     | 00000/0000       | 2-20029/0055        | 07/20/76        | 60           | 7592         | 55.5                               | 117.5               | FGG                  | 162                   | 24                   |
| 07730E                                  | 3732N             | 2706-04355                                     | 00000/0000       | 2-20038/0241        | 12/28/76        | 0            | 9837         | 21.3                               | 146.7               | GGGG                 | 160                   | 31                   |
| 07730E                                  | 3731N             | 2724-04351                                     | 00000/0000       | 2-20039/0013        | 01/15/77        | 40           | 88           | 22.3                               | 143.7               | PPPP                 | 159                   | 34                   |
| 07729E                                  | 4854N             | 2727-04490                                     | 00000/0000       | 2-20038/1431        | 01/18/77        | 0            | 130          | 14.6                               | 148.4               | GGFG                 | 159                   | 34                   |
| 07729E                                  | 4849N             | 2691-04502                                     | 00000/0000       | 2-20037/0751        | 12/13/76        | 100          | 9628         | 13.6                               | 153.2               | PPPP                 | 162                   | 26                   |
| 07729E                                  | 4139N             | 2671-04415                                     | 00000/0000       | 2-20036/1176        | 11/23/76        | 20           | 9349         | 22.5                               | 150.9               | GGFG                 | 162                   | 26                   |
| 07729E                                  | 3728N             | 2688-04364                                     | 00000/0000       | 2-20037/0532        | 12/10/76        | 0            | 9586         | 22.7                               | 148.6               | GGGG                 | 160                   | 31                   |
| 07729E                                  | 3725N             | 2544-04413                                     | 00000/0000       | 2-20028/1895        | 07/19/76        | 30           | 7578         | 56.5                               | 110.2               | FGGG                 | 159                   | 34                   |
| 07728E                                  | 5435N             | 2441-05075                                     | 00000/0000       | 2-20022/1407        | 04/07/76        | 90           | 6142         | 37.9                               | 146.5               | GGGG                 | 159                   | 34                   |
| 07728E                                  | 4141N             | 2527-04462                                     | 00000/0000       | 2-20028/0569        | 07/02/76        | 70           | 7341         | 57.6                               | 115.2               | GFGG                 | 164                   | 22                   |
| 07728E                                  | 3722N             | 2490-04425                                     | 00000/0000       | 2-20026/0057        | 05/26/76        | 20           | 6825         | 58.7                               | 112.6               | GGGG                 | 160                   | 31                   |
| 07728E                                  | 2731N             | 2452-04352                                     | 00000/0000       | 2-20023/0383        | 04/18/76        | 10           | 6295         | 54.4                               | 111.3               | GGGG                 | 159                   | 34                   |
| 07727E                                  | 5704N             | 2532-05102                                     | 00000/0000       | 2-20028/0838        | 07/07/76        | 30           | 7411         | 50.6                               | 140.4               | GGGG                 | 157                   | 41                   |
| 07727E                                  | 4850N             | 2565-04544                                     | 00000/0000       | 2-20032/0007        | 08/09/76        | 20           | 7871         | 48.8                               | 132.8               | GGGG                 | 165                   | 20                   |
| 07727E                                  | 3722N             | 2526-04420                                     | 00000/0000       | 2-20028/0433        | 07/01/76        | 90           | 7327         | 58.4                               | 107.5               | GGGG                 | 162                   | 26                   |
| 07727E                                  | 3720N             | 2508-04423                                     | 00000/0000       | 2-20026/1413        | 06/13/76        | 10           | 7076         | 59.3                               | 108.3               | GGGG                 | 159                   | 34                   |
| 07726E                                  | 5145N             | 2440-05030                                     | 00000/0000       | 2-20023/0046        | 04/06/76        | 40           | 6128         | 39.4                               | 143.8               | FGGG                 | 159                   | 34                   |
| 07726E                                  | 4847N             | 2547-04551                                     | 00000/0000       | 2-20028/1611        | 07/22/76        | 40           | 7620         | 52.6                               | 129.0               | GGGG                 | 163                   | 24                   |
| 07726E                                  | 4846N             | 2529-04554                                     | 00000/0000       | 2-20028/0633        | 07/04/76        | 10           | 7369         | 55.1                               | 127.2               | GGGG                 | 162                   | 26                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07726E 4136N                            | 2653-04423        | 00000/0000                   | 2-20035/0538                | 11/05/76         | 40                  | 9098            | 27.2         | 149.7        | GGGG                               |                     |                      | 160                   | 31                   |
| 07726E 3722N                            | 2670-04372        | 00000/0000                   | 2-20036/0827                | 11/22/76         | 10                  | 9335            | 26.0         | 148.9        | GGGG                               |                     |                      | 159                   | 34                   |
| 07725E 5703N                            | 2514-05105        | 00000/0000                   | 2-20027/0027                | 06/19/76         | 20                  | 7160            | 51.8         | 141.2        | GGGG                               |                     |                      | 165                   | 20                   |
| 07725E 5146N                            | 2458-05023        | 00000/0000                   | 2-20024/0398                | 04/24/76         | 70                  | 6379            | 45.7         | 141.7        | GGGG                               |                     |                      | 163                   | 24                   |
| 07725E 5144N                            | 2710-04543        | 00000/0000                   | 2-20038/0438                | 01/01/77         | 0                   | 9893            | 10.8         | 152.3        | FFFF                               |                     |                      | 163                   | 24                   |
| 07725E 3727N                            | 2598-04395        | 00000/0000                   | 2-20032/1147                | 09/11/76         | 0                   | 8331            | 46.2         | 131.0        | GGGG                               |                     |                      | 159                   | 34                   |
| 07725E 2728N                            | 2434-04355        | 00000/0000                   | 2-20027/1027                | 03/31/76         | 80                  | 6044            | 49.7         | 119.0        | GGGG                               |                     |                      | 157                   | 41                   |
| 07724E 5428N                            | 2477-05065        | 00000/0000                   | 2-20025/0351                | 05/13/76         | 0                   | 6644            | 49.2         | 142.4        | GGGG                               |                     |                      | 164                   | 22                   |
| 07724E 4843N                            | 2673-04511        | 00000/0000                   | 2-20036/1264                | 11/25/76         | 0                   | 9377            | 16.6         | 154.2        | GGGG                               |                     |                      | 162                   | 26                   |
| 07724E 4137N                            | 2635-04431        | 00000/0000                   | 2-20034/0887                | 10/18/76         | 80                  | 8847            | 32.7         | 146.7        | GGGG                               |                     |                      | 160                   | 31                   |
| 07724E 1009N                            | 2701-04152        | 00000/0000                   | 2-20037/1340                | 12/23/76         | 60                  | 9747            | 39.5         | 132.2        | GGGG                               |                     |                      | 154                   | 53                   |
| 07723E 5431N                            | 2567-05042        | 00000/0000                   | 2-20030/1115                | 08/11/76         | 30                  | 7899            | 45.2         | 140.5        | PGGG                               |                     |                      | 164                   | 22                   |
| 07723E 4841N                            | 2511-04561        | 00000/0000                   | 2-20026/1561                | 06/16/76         | 20                  | 7118            | 56.1         | 128.1        | GGGG                               |                     |                      | 162                   | 26                   |
| 07723E 2728N                            | 2722-04264        | 00000/0000                   | 2-20038/1330                | 01/13/77         | 10                  | 60              | 28.8         | 139.2        | GGGG                               |                     |                      | 157                   | 41                   |
| 07723E 2726N                            | 2686-04281        | 00000/0000                   | 2-20037/0442                | 12/08/76         | 50                  | 9558            | 30.3         | 143.9        | GGGG                               |                     |                      | 157                   | 41                   |
| 07722E 5140N                            | 2476-05020        | 00000/0000                   | 2-20024/1653                | 05/12/76         | 30                  | 6630            | 50.7         | 138.8        | GGGG                               |                     |                      | 163                   | 24                   |
| 07722E 2728N                            | 2704-04272        | 00000/0000                   | 2-20038/0179                | 12/26/76         | 10                  | 9809            | 28.5         | 142.3        | FFFF                               |                     |                      | 157                   | 41                   |
| 07722E 2724N                            | 2416-04363        | 00000/0000                   | 2-20027/0079                | 03/13/76         | 10                  | 5793            | 44.1         | 125.5        | GGGG                               |                     |                      | 157                   | 41                   |
| 07722E 1009N                            | 2719-04143        | 00000/0000                   | 2-20038/1222                | 01/10/77         | 10                  | 18              | 38.7         | 129.1        | GGGG                               |                     |                      | 154                   | 53                   |
| 07721E 5144N                            | 2584-04590        | 00000/0000                   | 2-20032/0283                | 08/28/76         | 30                  | 8136            | 42.1         | 141.3        | GGGF                               |                     |                      | 163                   | 24                   |
| 07721E 5141N                            | 2566-04593        | 00000/0000                   | 2-20030/1041                | 08/10/76         | 30                  | 7885            | 47.1         | 136.7        | GGGG                               |                     |                      | 163                   | 24                   |
| 07721E 5141N                            | 2692-04551        | 00000/0000                   | 2-20037/0795                | 12/14/76         | 30                  | 9642            | 11.3         | 154.4        | GGGG                               |                     |                      | 163                   | 24                   |
| 07720E 5431N                            | 2585-05035        | 00000/0000                   | 2-20032/0334                | 08/29/76         | 100                 | 8150            | 40.0         | 144.6        | GGGG                               |                     |                      | 164                   | 22                   |
| 07720E 5422N                            | 2675-05005        | 00000/0000                   | 2-20036/1309                | 11/27/76         | 0                   | 9405            | 11.6         | 156.9        | GGGG                               |                     |                      | 164                   | 22                   |
| 07720E 5143N                            | 2728-04535        | 00000/0000                   | 2-20039/0121                | 01/19/77         | 90                  | 144             | 12.7         | 149.6        | GGGG                               |                     |                      | 163                   | 24                   |
| 07720E 2724N                            | 2668-04285        | 00000/0000                   | 2-20036/1031                | 11/20/76         | 20                  | 9307            | 33.7         | 143.4        | GGGG                               |                     |                      | 157                   | 41                   |
| 07720E 2722N                            | 2398-04370        | 00000/0000                   | 2-20021/0423                | 02/24/76         | 10                  | 5542            | 38.6         | 131.1        | GGGG                               |                     |                      | 157                   | 41                   |
| 07719E 6309N                            | 2431-05495        | 00000/0000                   | 2-20027/0749                | 03/28/76         | 70                  | 6003            | 23.9         | 162.2        | GGGG                               |                     |                      | 172                   | 12                   |
| 07719E 5143N                            | 2602-04583        | 00000/0000                   | 2-20036/1298                | 09/15/76         | 50                  | 8387            | 36.4         | 146.1        | GGGG                               |                     |                      | 163                   | 24                   |
| 07719E 5134N                            | 2548-05001        | 00000/0000                   | 2-20029/0175                | 07/23/76         | 80                  | 7634            | 51.1         | 133.2        | GGGG                               |                     |                      | 163                   | 24                   |
| 07719E 2720N                            | 2650-04294        | 00000/0000                   | 2-20035/0441                | 11/02/76         | 0                   | 9056            | 38.2         | 140.6        | GGGG                               |                     |                      | 157                   | 41                   |
| 07719E 1006N                            | 2647-04173        | 00000/0000                   | 2-20035/0311                | 10/30/76         | 10                  | 9014            | 48.5         | 124.6        | GGGG                               |                     |                      | 154                   | 53                   |
| 07719E 1006N                            | 2665-04165        | 00000/0000                   | 2-20036/0867                | 11/17/76         | 50                  | 9265            | 45.1         | 130.4        | GGGG                               |                     |                      | 154                   | 53                   |
| 07718E 5423N                            | 2549-05050        | 00000/0000                   | 2-20030/0126                | 07/24/76         | 70                  | 7648            | 49.4         | 137.4        | GGGG                               |                     |                      | 164                   | 22                   |
| 07718E 5421N                            | 2435-05063        | 00000/0000                   | 2-20026/0103                | 05/31/76         | 10                  | 6895            | 52.4         | 139.4        | GGGG                               |                     |                      | 164                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBLI<br>MSS | DATE<br>ACQUIRED | CLDUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07718E 2143N                            | 2703-04232        | 00000/0000                   | 2-20038/0142                | 12/25/76         | 0                   | 9795            | 32.4         | 139.4        | FFFF                               |                     |                      | 156                   | 45                   |
| 07718E 2142N                            | 2721-04224        | 00000/0000                   | 2-20038/0982                | 01/12/77         | 10                  | 46              | 32.3         | 136.2        | GGGG                               |                     |                      | 156                   | 45                   |
| 07718E 2141N                            | 2685-04241        | 00000/0000                   | 2-20036/1824                | 12/07/76         | 50                  | 9544            | 34.4         | 140.7        | FGFG                               |                     |                      | 156                   | 45                   |
| 07718E 1556N                            | 2702-04192        | 00000/0000                   | 2-20038/0500                | 12/24/76         | 10                  | 9781            | 36.1         | 136.0        | GGGG                               |                     |                      | 155                   | 49                   |
| 07718E 1556N                            | 2720-04184        | 00000/0000                   | 2-20038/1271                | 01/11/77         | 0                   | 32              | 35.6         | 132.9        | GGGG                               |                     |                      | 155                   | 49                   |
| 07718E 1005N                            | 2629-04181        | 00000/0000                   | 2-20034/0791                | 10/12/76         | 50                  | 8763            | 51.3         | 115.6        | GGGG                               |                     |                      | 154                   | 53                   |
| 07717E 5418N                            | 2513-05060        | 00000/0000                   | 2-20026/1762                | 06/18/76         | 60                  | 7146            | 53.4         | 137.0        | GGGG                               |                     |                      | 164                   | 22                   |
| 07717E 5134N                            | 2494-05013        | 00000/0000                   | 2-20026/0418                | 05/30/76         | 0                   | 6881            | 53.8         | 135.4        | GGGG                               |                     |                      | 163                   | 24                   |
| 07717E 5134N                            | 2674-04560        | 00000/0000                   | 2-20036/1538                | 11/26/76         | 10                  | 9391            | 14.1         | 155.6        | GGGG                               |                     |                      | 163                   | 24                   |
| 07717E 2712N                            | 2380-04373        | 00000/0000                   | 2-20020/1044                | 02/06/76         | 60                  | 5291            | 34.1         | 135.9        | GGGG                               |                     |                      | 157                   | 41                   |
| 07717E 1555N                            | 2684-04200        | 00000/0000                   | 2-20037/0334                | 12/06/76         | 20                  | 9530            | 38.3         | 137.1        | PPPP                               |                     |                      | 155                   | 49                   |
| 07716E 5421N                            | 2531-05053        | 00000/0000                   | 2-20028/0744                | 07/06/76         | 10                  | 7397            | 52.3         | 136.1        | GGGG                               |                     |                      | 164                   | 22                   |
| 07716E 5131N                            | 2530-05074        | 00000/0000                   | 2-20028/0721                | 07/05/76         | 60                  | 7383            | 53.8         | 131.7        | GGGG                               |                     |                      | 163                   | 24                   |
| 07715E 3152N                            | 2453-04394        | 00000/0000                   | 2-20023/0423                | 04/19/76         | 0                   | 6309            | 53.6         | 117.3        | GGGG                               |                     |                      | 158                   | 38                   |
| 07715E 2139N                            | 2667-04245        | 00000/0000                   | 2-20036/0994                | 11/19/76         | 0                   | 9293            | 37.8         | 139.7        | GGGG                               |                     |                      | 156                   | 45                   |
| 07715E 1551N                            | 2648-04213        | 00000/0000                   | 2-20035/0416                | 10/31/76         | 10                  | 9028            | 45.5         | 130.7        | GGGG                               |                     |                      | 155                   | 49                   |
| 07714E 5127N                            | 2512-05011        | 00000/0000                   | 2-20027/0081                | 06/17/76         | 60                  | 7132            | 54.8         | 132.5        | GGGG                               |                     |                      | 163                   | 24                   |
| 07714E 2138N                            | 2631-04261        | 00000/0000                   | 2-20034/0842                | 10/14/76         | 0                   | 8791            | 46.3         | 129.5        | GGGG                               |                     |                      | 156                   | 45                   |
| 07714E 2136N                            | 2649-04253        | 00000/0000                   | 2-20035/0397                | 11/01/76         | 0                   | 9042            | 42.1         | 136.0        | GGGG                               |                     |                      | 156                   | 45                   |
| 07714E 1546N                            | 2378-04292        | 00000/0000                   | 2-20020/0908                | 02/04/76         | 0                   | 5263            | 39.9         | 128.4        | GGGG                               |                     |                      | 155                   | 49                   |
| 07713E 4441N                            | 2456-04531        | 00000/0000                   | 2-20024/0361                | 04/22/76         | 10                  | 6351            | 49.2         | 133.5        | GGGG                               |                     |                      | 161                   | 29                   |
| 07713E 4438N                            | 2474-04524        | 00000/0000                   | 2-20025/0011                | 05/10/76         | 10                  | 6602            | 53.9         | 129.2        | GGGG                               |                     |                      | 161                   | 29                   |
| 07713E 2138N                            | 2397-04325        | 00000/0000                   | 2-20021/0487                | 02/23/76         | 0                   | 5528            | 41.1         | 126.7        | GGGG                               |                     |                      | 156                   | 45                   |
| 07713E 2130N                            | 2379-04332        | 00000/0000                   | 2-20020/0993                | 02/05/76         | 0                   | 5277            | 37.1         | 132.4        | GGGF                               |                     |                      | 156                   | 45                   |
| 07713E 1548N                            | 2630-04221        | 00000/0000                   | 2-20034/0784                | 10/11/76         | 10                  | 8777            | 49.1         | 122.9        | GGGG                               |                     |                      | 158                   | 38                   |
| 07712E 3146N                            | 2435-04402        | 00000/0000                   | 2-20022/1137                | 04/01/76         | 0                   | 6058            | 48.4         | 123.8        | GGGG                               |                     |                      | 158                   | 38                   |
| 07710E 4439N                            | 2726-04443        | 00000/0000                   | 2-20039/0051                | 01/17/77         | 30                  | 116             | 17.5         | 146.6        | GGGG                               |                     |                      | 161                   | 29                   |
| 07710E 4438N                            | 2708-04451        | 00000/0000                   | 2-20038/0388                | 12/30/76         | 90                  | 9865            | 16.1         | 149.4        | GGFG                               |                     |                      | 161                   | 29                   |
| 07710E 3149N                            | 2705-04315        | 00000/0000                   | 2-20038/0218                | 12/27/76         | 10                  | 9823            | 25.5         | 144.3        | FGGG                               |                     |                      | 158                   | 38                   |
| 07710E 3147N                            | 2723-04311        | 00000/0000                   | 2-20038/1396                | 01/14/77         | 90                  | 74              | 26.0         | 141.2        | GGGG                               |                     |                      | 158                   | 38                   |
| 07710E 3146N                            | 2687-04323        | 00000/0000                   | 2-20037/0501                | 12/09/76         | 10                  | 9572            | 27.1         | 146.0        | GGGG                               |                     |                      | 158                   | 38                   |
| 07710E 3143N                            | 2417-04405        | 00000/0000                   | 2-20021/1605                | 03/14/76         | 10                  | 5807            | 42.4         | 129.3        | GGGG                               |                     |                      | 158                   | 38                   |
| 07709E 4437N                            | 2554-04501        | 00000/0000                   | 2-20030/0951                | 08/08/76         | 0                   | 7867            | 51.0         | 126.9        | GGG                                |                     |                      | 161                   | 29                   |
| 07707E 4431N                            | 2546-04505        | 00000/0000                   | 2-20028/1698                | 07/21/76         | 10                  | 7606            | 54.4         | 122.2        | GGG                                |                     |                      | 161                   | 29                   |
| 07707E 3604N                            | 2472-04434        | 00000/0000                   | 2-20024/1836                | 05/08/76         | 10                  | 6574            | 56.7         | 116.4        | GGGG                               |                     |                      | 159                   | 35                   |

KEYS: CLDUD COVER % ..... 0 TO 100 = % CLDUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NSN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07707E 3140N                            | 2669-04332        | 00000/0000 2-20036/0524                            | 11/21/76         | 70                  | 9321            | 30.5         | 145.9        | GGGG                               |                     |                      | 158                   | 38                   |
| 07706E 4436N                            | 2690-04455        | 00000/0000 2-20037/0678                            | 12/12/76         | 0                   | 9614            | 17.0         | 151.5        | FGGG                               |                     |                      | 161                   | 29                   |
| 07706E 4425N                            | 2510-04515        | 00000/0000 2-20026/1642                            | 06/15/76         | 90                  | 7104            | 57.7         | 120.9        | GGGG                               |                     |                      | 161                   | 29                   |
| 07706E 4028N                            | 2455-04484        | 00000/0000 2-20024/0232                            | 04/21/76         | 30                  | 6337            | 50.9         | 128.4        | GGGG                               |                     |                      | 160                   | 32                   |
| 07706E 3138N                            | 2633-04344        | 00000/0000 2-20034/0632                            | 10/16/76         | 10                  | 8819            | 40.0         | 139.0        | FGGG                               |                     |                      | 158                   | 38                   |
| 07705E 4429N                            | 2672-04464        | 00000/0000 2-20037/0175                            | 11/24/76         | 0                   | 9363            | 20.1         | 152.3        | GGGG                               |                     |                      | 161                   | 29                   |
| 07705E 4428N                            | 2528-04512        | 00000/0000 2-20028/0586                            | 07/03/76         | 30                  | 7355            | 56.8         | 120.1        | GGGG                               |                     |                      | 161                   | 29                   |
| 07705E 3140N                            | 2399-04412        | 00000/0000 2-20021/0668                            | 02/25/76         | 90                  | 5556            | 36.5         | 134.2        | FGGG                               |                     |                      | 158                   | 38                   |
| 07705E 3138N                            | 2651-04340        | 00000/0000 2-20035/0484                            | 11/03/76         | 0                   | 9070            | 35.0         | 143.6        | GGGG                               |                     |                      | 158                   | 38                   |
| 07704E 3603N                            | 2436-04445        | 00000/0000 2-20022/1097                            | 04/02/76         | 10                  | 6072            | 46.9         | 128.4        | GGGG                               |                     |                      | 159                   | 35                   |
| 07703E 4025N                            | 2581-04451        | 00000/0000 2-20032/0121                            | 08/25/76         | 20                  | 8094            | 49.0         | 127.4        | GGGG                               |                     |                      | 160                   | 32                   |
| 07703E 4021N                            | 2437-04491        | 00000/0000 2-20022/1204                            | 04/03/76         | 50                  | 6086            | 45.1         | 132.8        | GGGG                               |                     |                      | 160                   | 32                   |
| 07703E 4020N                            | 2473-04481        | 00000/0000 2-20024/1873                            | 05/09/76         | 30                  | 6588            | 55.5         | 122.9        | GGGG                               |                     |                      | 160                   | 32                   |
| 07703E 3605N                            | 2724-04353        | 00000/0000 2-20039/0001                            | 01/15/77         | 90                  | 88              | 23.2         | 143.0        | G GG                               |                     |                      | 159                   | 35                   |
| 07702E 4023N                            | 2707-04404        | 00000/0000 2-20038/0671                            | 12/29/76         | 10                  | 9851            | 19.3         | 147.8        | FGGG                               |                     |                      | 160                   | 32                   |
| 07702E 4022N                            | 2725-04400        | 00000/0000 2-20039/0079                            | 01/16/77         | 30                  | 102             | 20.4         | 144.8        | GGG                                |                     |                      | 160                   | 32                   |
| 07702E 3606N                            | 2706-04362        | 00000/0000 2-20038/0242                            | 12/28/76         | 30                  | 9837            | 22.4         | 146.1        | PPPP                               |                     |                      | 159                   | 35                   |
| 07702E 3602N                            | 2688-04370        | 00000/0000 2-20037/0533                            | 12/10/76         | 10                  | 9586            | 23.8         | 147.9        | GGGG                               |                     |                      | 159                   | 35                   |
| 07702E 2601N                            | 2434-04362        | 00000/0000 2-20022/1028                            | 03/31/76         | 70                  | 6044            | 50.1         | 117.2        | GGGG                               |                     |                      | 157                   | 42                   |
| 07701E 4020N                            | 2563-04455        | 00000/0000 2-20030/0928                            | 08/07/76         | 10                  | 7843            | 52.8         | 120.5        | GGGG                               |                     |                      | 160                   | 32                   |
| 07701E 4018N                            | 2689-04413        | 00000/0000 2-20037/0650                            | 12/11/76         | 10                  | 9600            | 20.5         | 149.7        | PPPP                               |                     |                      | 160                   | 32                   |
| 07701E 4012N                            | 2491-04474        | 00000/0000 2-20026/0335                            | 05/27/76         | 10                  | 6839            | 58.1         | 117.4        | GGGG                               |                     |                      | 160                   | 32                   |
| 07701E 3557N                            | 2490-04432        | 00000/0000 2-20026/0058                            | 05/26/76         | 70                  | 6825            | 59.0         | 110.0        | GGGG                               |                     |                      | 159                   | 35                   |
| 07700E 4015N                            | 2419-04495        | 00000/0000 2-20022/0182                            | 03/16/76         | 50                  | 5835            | 38.5         | 136.4        | GGGG                               |                     |                      | 160                   | 32                   |
| 07700E 4014N                            | 2545-04462        | 00000/0000 2-20029/0056                            | 07/20/76         | 30                  | 7592            | 55.8         | 115.1        | GGGG                               |                     |                      | 160                   | 32                   |
| 07700E 3555N                            | 2508-04425        | 00000/0000 2-20026/1414                            | 06/13/76         | 10                  | 7076            | 59.5         | 105.7        | GGGG                               |                     |                      | 159                   | 35                   |
| 07700E 2600N                            | 2686-04283        | 00000/0000 2-20037/0443                            | 12/08/76         | 80                  | 9558            | 31.3         | 143.1        | GGGG                               |                     |                      | 157                   | 42                   |
| 07659E 4017N                            | 2599-04445        | 00000/0000 2-20032/1090                            | 09/12/76         | 50                  | 8345            | 44.4         | 134.3        | GGGG                               |                     |                      | 160                   | 32                   |
| 07659E 4015N                            | 2527-04465        | 00000/0000 2-20028/0570                            | 07/02/76         | 20                  | 7341            | 57.9         | 112.7        | GGGF                               |                     |                      | 160                   | 32                   |
| 07659E 4010N                            | 2509-04472        | 00000/0000 2-20026/1611                            | 06/14/76         | 10                  | 7090            | 58.8         | 113.4        | GGGG                               |                     |                      | 160                   | 32                   |
| 07659E 3557N                            | 2670-04375        | 00000/0000 2-20036/0828                            | 11/22/76         | 30                  | 9335            | 27.1         | 148.2        | GGGG                               |                     |                      | 159                   | 35                   |
| 07659E 2602N                            | 2704-04275        | 00000/0000 2-20038/0180                            | 12/26/76         | 0                   | 9809            | 29.5         | 141.6        | FFFF                               |                     |                      | 157                   | 42                   |
| 07659E 2601N                            | 2722-04271        | 00000/0000 2-20038/1331                            | 01/13/77         | 10                  | 60              | 29.7         | 138.4        | GGGG                               |                     |                      | 157                   | 42                   |
| 07659E 2558N                            | 2416-04365        | 00000/0000 2-20022/0080                            | 03/13/76         | 10                  | 5793            | 44.7         | 124.1        | GGGG                               |                     |                      | 157                   | 42                   |
| 07658E 4016N                            | 2617-04441        | 00000/0000 2-20034/0155                            | 09/30/76         | 20                  | 8596            | 39.2         | 140.8        | GGGG                               |                     |                      | 160                   | 32                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING

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FOR NON-US

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   |                            |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07658E                      | 4014N             | 2671-04421            | 00000/0000                 | 2-20036/1177     | 11/23/76            | 0               | 9349         | 23.6         | 150.3                 | GGGG                |                      | 160                   | 32                   |
| 07658E                      | 3602N             | 2598-04407            | 00000/0000                 | 2-20032/1148     | 09/11/76            | 0               | 8331         | 46.9         | 129.4                 | GGGG                |                      | 159                   | 35                   |
| 07658E                      | 1429N             | 2720-04190            | 00000/0000                 | 2-20038/1272     | 01/11/77            | 0               | 32           | 36.4         | 131.9                 | GGGG                |                      | 155                   | 50                   |
| 07657E                      | 2559N             | 2668-04292            | 00000/0000                 | 2-20036/1032     | 11/20/76            | 70              | 9307         | 34.7         | 142.6                 | GGGG                |                      | 157                   | 42                   |
| 07657E                      | 2016N             | 2703-04235            | 00000/0000                 | 2-20038/0143     | 12/25/76            | 10              | 9795         | 33.3         | 138.5                 | FFFF                |                      | 154                   | 46                   |
| 07657E                      | 2015N             | 2721-04230            | 00000/0000                 | 2-20038/0983     | 01/12/77            | 0               | 46           | 33.1         | 135.3                 | GGGG                |                      | 156                   | 46                   |
| 07657E                      | 1429N             | 2702-04194            | 00000/0000                 | 2-20038/0501     | 12/24/76            | 0               | 9781         | 37.0         | 135.1                 | GGG                 |                      | 155                   | 50                   |
| 07656E                      | 4010N             | 2653-04430            | 00000/0000                 | 2-20035/0539     | 11/05/76            | 10              | 9098         | 28.3         | 149.0                 | GGGG                |                      | 160                   | 32                   |
| 07656E                      | 2556N             | 2398-04372            | 00000/0000                 | 2-20021/0424     | 02/24/76            | 0               | 5542         | 39.3         | 130.0                 | FGGG                |                      | 157                   | 42                   |
| 07656E                      | 2015N             | 2685-04243            | 00000/0000                 | 2-20036/1825     | 12/07/76            | 60              | 9544         | 35.4         | 139.9                 | GGGG                |                      | 156                   | 46                   |
| 07656E                      | 1429N             | 2684-04203            | 00000/0000                 | 2-20037/0335     | 12/06/76            | 10              | 9530         | 39.2         | 136.1                 | PPPP                |                      | 155                   | 50                   |
| 07655E                      | 2554N             | 2650-04300            | 00000/0000                 | 2-20035/0442     | 11/02/76            | 0               | 9056         | 39.1         | 139.5                 | GGGG                |                      | 157                   | 42                   |
| 07654E                      | 1425N             | 2648-04220            | 00000/0000                 | 2-20035/0370     | 10/31/76            | 10              | 9028         | 46.3         | 129.3                 | GGGG                |                      | 155                   | 50                   |
| 07653E                      | 4728N             | 2709-04500            | 00000/0000                 | 2-20038/0413     | 12/31/76            | 0               | 9879         | 14.0         | 150.5                 | FFG                 |                      | 162                   | 27                   |
| 07653E                      | 2546N             | 2380-04375            | 00000/0000                 | 2-20020/1045     | 02/06/76            | 10              | 5291         | 34.9         | 135.0                 | GGGG                |                      | 157                   | 42                   |
| 07653E                      | 2013N             | 2667-04252            | 00000/0000                 | 2-20036/0995     | 11/19/76            | 30              | 9293         | 38.8         | 138.7                 | GGG                 |                      | 156                   | 46                   |
| 07653E                      | 1421N             | 2378-04294            | 00000/0000                 | 2-20020/0909     | 02/04/76            | 0               | 5263         | 40.6         | 127.2                 | GGGG                |                      | 155                   | 50                   |
| 07652E                      | 5559N             | 2460-05124            | 00000/0000                 | 2-20024/0843     | 04/26/76            | 10              | 6407         | 43.6         | 146.4                 | GGGG                |                      | 165                   | 21                   |
| 07652E                      | 4724N             | 2691-04505            | 00000/0000                 | 2-20037/0752     | 12/13/76            | 100             | 9628         | 14.8         | 152.6                 | GGGG                |                      | 162                   | 27                   |
| 07652E                      | 2012N             | 2631-04264            | 00000/0000                 | 2-20034/0843     | 10/14/76            | 0               | 8791         | 47.0         | 128.0                 | GGGG                |                      | 156                   | 46                   |
| 07652E                      | 2010N             | 2649-04260            | 00000/0000                 | 2-20035/0398     | 11/01/76            | 0               | 9042         | 42.9         | 134.8                 | GGGG                |                      | 156                   | 46                   |
| 07652E                      | 2004N             | 2379-04335            | 00000/0000                 | 2-20020/0994     | 02/05/76            | 0               | 5277         | 37.9         | 131.3                 | GGGG                |                      | 156                   | 46                   |
| 07652E                      | 1421N             | 2630-04224            | 00000/0000                 | 2-20034/0785     | 10/13/76            | 10              | 8777         | 49.7         | 121.2                 | GGGG                |                      | 155                   | 50                   |
| 07651E                      | 2011N             | 2397-04332            | 00000/0000                 | 2-20021/0488     | 02/23/76            | 0               | 5528         | 41.8         | 125.5                 | GGGG                |                      | 156                   | 46                   |
| 07650E                      | 3025N             | 2453-04401            | 00000/0000                 | 2-20023/0424     | 04/19/76            | 0               | 6309         | 54.0         | 115.2                 | GGGG                |                      | 158                   | 39                   |
| 07648E                      | 4718N             | 2673-04513            | 00000/0000                 | 2-20036/1265     | 11/25/76            | 10              | 9377         | 17.7         | 153.6                 | GGGG                |                      | 162                   | 27                   |
| 07647E                      | 5557N             | 2442-05131            | 00000/0000                 | 2-20022/1611     | 04/08/76            | 90              | 6156         | 37.4         | 147.8                 | GGGF                |                      | 165                   | 21                   |
| 07647E                      | 5553N             | 2478-05121            | 00000/0000                 | 2-20025/0314     | 05/14/76            | 30              | 6658         | 48.6         | 144.2                 | GGGG                |                      | 165                   | 21                   |
| 07647E                      | 3021N             | 2435-04404            | 00000/0000                 | 2-20022/1138     | 04/01/76            | 20              | 6078         | 48.9         | 122.1                 | GGGG                |                      | 158                   | 39                   |
| 07646E                      | 5020N             | 2440-05032            | 00000/0000                 | 2-20023/0047     | 04/06/76            | 30              | 6128         | 40.3         | 142.4                 | GGGG                |                      | 163                   | 25                   |
| 07646E                      | 3020N             | 2687-04330            | 00000/0000                 | 2-20037/0502     | 12/09/76            | 0               | 9572         | 28.1         | 145.3                 | GGGG                |                      | 158                   | 39                   |
| 07645E                      | 5554N             | 2568-05094            | 00000/0000                 | 2-20030/1178     | 08/12/76            | 30              | 7913         | 44.1         | 142.4                 | GGG                 |                      | 165                   | 21                   |
| 07645E                      | 3023N             | 2705-04321            | 00000/0000                 | 2-20038/0219     | 12/27/76            | 0               | 9823         | 26.5         | 143.6                 | GGGG                |                      | 158                   | 39                   |
| 07645E                      | 3021N             | 2723-04313            | 00000/0000                 | 2-20038/1378     | 01/14/77            | 80              | 74           | 27.0         | 140.4                 | G G                 |                      | 158                   | 39                   |
| 07645E                      | 3016N             | 2417-04412            | 00000/0000                 | 2-20021/1606     | 03/14/76            | 10              | 5807         | 43.1         | 128.0                 | GGGG                |                      | 158                   | 39                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN REEL | DATE<br>ACQUIRED | CLOUD<br>COVER % | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|-----------------------|----------------------|------------------|------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 07644E                      | 5312N | 2459-05074 | 00000/0000        | 2-20024/0558          | 04/25/76             | 50               | 6393             | 45.1            | 143.3        | GGGG         |                       |                     | 164                  | 23                    |                      |
| 07644E                      | 5022N | 2458-05025 | 00000/0000        | 2-20024/0399          | 04/24/76             | 90               | 6379             | 46.6            | 140.0        | GGGG         |                       |                     | 163                  | 25                    |                      |
| 07643E                      | 5547N | 2496-05114 | 00000/0000        | 2-20024/0646          | 06/01/76             | 10               | 6909             | 51.7            | 141.4        | GGGG         |                       |                     | 165                  | 21                    |                      |
| 07643E                      | 5311N | 2441-05082 | 00000/0000        | 2-20022/1408          | 04/07/76             | 30               | 6142             | 38.9            | 145.1        | GGGG         |                       |                     | 164                  | 23                    |                      |
| 07643E                      | 3014N | 2669-04335 | 00000/0000        | 2-20036/0525          | 11/21/76             | 90               | 9321             | 31.5            | 145.1        | GGGG         |                       |                     | 158                  | 39                    |                      |
| 07642E                      | 3012N | 2633-04351 | 00000/0000        | 2-20034/0633          | 10/16/76             | 10               | 8819             | 40.9            | 137.9        | FGGG         |                       |                     | 158                  | 39                    |                      |
| 07641E                      | 5019N | 2584-04593 | 00000/0000        | 2-20032/0284          | 08/28/76             | 80               | 8136             | 43.0            | 139.8        | GGGG         |                       |                     | 163                  | 25                    |                      |
| 07641E                      | 5017N | 2566-05000 | 00000/0000        | 2-20030/1042          | 08/10/76             | 20               | 7885             | 47.9            | 134.9        | GGGG         |                       |                     | 163                  | 25                    |                      |
| 07641E                      | 5015N | 2476-05022 | 00000/0000        | 2-20024/1654          | 05/12/76             | 10               | 6630             | 51.5            | 136.8        | GGGG         |                       |                     | 163                  | 25                    |                      |
| 07641E                      | 4316N | 2456-04533 | 00000/0000        | 2-20024/0362          | 04/22/76             | 0                | 6351             | 49.9            | 131.8        | GGGG         |                       |                     | 161                  | 30                    |                      |
| 07640E                      | 5310N | 2711-04594 | 00000/0000        | 2-20032/0541          | 01/02/77             | 0                | 9907             | 9.8             | 152.8        | GGGG         |                       |                     | 164                  | 23                    |                      |
| 07640E                      | 5016N | 2692-04554 | 00000/0000        | 2-20037/0796          | 12/14/76             | 90               | 9642             | 12.4            | 153.8        | GGGG         |                       |                     | 163                  | 25                    |                      |
| 07640E                      | 4313N | 2474-04530 | 00000/0000        | 2-20025/0012          | 05/10/76             | 10               | 6602             | 54.5            | 127.1        | GGGG         |                       |                     | 161                  | 30                    |                      |
| 07640E                      | 3438N | 2472-04441 | 00000/0000        | 2-20024/1837          | 05/08/76             | 10               | 6574             | 57.0            | 114.1        | GGGG         |                       |                     | 159                  | 36                    |                      |
| 07640E                      | 3015N | 2399-04415 | 00000/0000        | 2-20021/0669          | 02/26/76             | 90               | 5556             | 37.3            | 133.1        | FFFF         |                       |                     | 158                  | 39                    |                      |
| 07639E                      | 5304N | 2477-05072 | 00000/0000        | 2-20025/0352          | 05/13/76             | 0                | 6644             | 50.1            | 140.5        | GGGG         |                       |                     | 164                  | 23                    |                      |
| 07639E                      | 5019N | 2728-04541 | 00000/0000        | 2-20039/0122          | 01/19/77             | 90               | 144              | 13.8            | 148.9        | GGFF         |                       |                     | 163                  | 25                    |                      |
| 07639E                      | 5010N | 2548-05003 | 00000/0000        | 2-20030/0017          | 07/23/76             | 80               | 7634             | 51.8            | 131.2        | GGFG         |                       |                     | 163                  | 25                    |                      |
| 07639E                      | 4314N | 2438-04540 | 00000/0000        | 2-20022/1241          | 04/04/76             | 40               | 6100             | 43.9            | 135.5        | GGGG         |                       |                     | 161                  | 30                    |                      |
| 07638E                      | 5541N | 2532-05105 | 00000/0000        | 2-20022/0839          | 07/07/76             | 40               | 7411             | 51.4            | 138.2        | GGGG         |                       |                     | 165                  | 21                    |                      |
| 07638E                      | 5307N | 2567-05045 | 00000/0000        | 2-20030/1116          | 08/11/76             | 10               | 7899             | 46.0            | 138.8        | GGGG         |                       |                     | 164                  | 23                    |                      |
| 07638E                      | 5305N | 2693-05003 | 00000/0000        | 2-20037/0901          | 12/15/76             | 60               | 9556             | 10.1            | 155.0        | FGGG         |                       |                     | 164                  | 23                    |                      |
| 07638E                      | 5018N | 2602-04590 | 00000/0000        | 2-20032/1299          | 09/15/76             | 40               | 8387             | 37.4            | 144.8        | GGGG         |                       |                     | 163                  | 25                    |                      |
| 07638E                      | 3002N | 2351-04422 | 00000/0000        | 2-20020/1146          | 02/07/76             | 30               | 5305             | 32.6            | 137.5        | GGGG         |                       |                     | 158                  | 39                    |                      |
| 07638E                      | 2435N | 2434-04364 | 00000/0000        | 2-20022/1029          | 03/31/76             | 60               | 6044             | 50.5            | 115.4        | GGGG         |                       |                     | 157                  | 43                    |                      |
| 07637E                      | 5010N | 2674-04562 | 00000/0000        | 2-20036/1539          | 11/26/76             | 0                | 9391             | 15.2            | 154.9        | GGGG         |                       |                     | 163                  | 25                    |                      |
| 07637E                      | 5009N | 2494-05020 | 00000/0000        | 2-20026/0419          | 05/30/76             | 50               | 6881             | 54.5            | 133.2        | FGGG         |                       |                     | 163                  | 25                    |                      |
| 07637E                      | 4313N | 2564-04504 | 00000/0000        | 2-20030/0952          | 08/08/76             | 0                | 7857             | 51.6            | 124.9        | FGGG         |                       |                     | 161                  | 30                    |                      |
| 07637E                      | 4313N | 2726-04445 | 00000/0000        | 2-20039/0052          | 01/17/77             | 40               | 116              | 18.5            | 145.9        | GGGG         |                       |                     | 161                  | 30                    |                      |
| 07637E                      | 4312N | 2705-04454 | 00000/0000        | 2-20038/0389          | 12/30/76             | 80               | 9865             | 17.2            | 148.8        | GGGG         |                       |                     | 161                  | 30                    |                      |
| 07637E                      | 3901N | 2455-04490 | 00000/0000        | 2-20024/0233          | 04/21/76             | 50               | 6337             | 51.6            | 126.5        | GGGG         |                       |                     | 160                  | 33                    |                      |
| 07637E                      | 3437N | 2436-04451 | 00000/0000        | 2-20022/1098          | 04/02/76             | 10               | 6072             | 47.5            | 126.8        | GGGG         |                       |                     | 159                  | 36                    |                      |
| 07637E                      | 2434N | 2636-04290 | 00000/0000        | 2-20037/0444          | 12/08/76             | 70               | 9558             | 32.3            | 142.3        | GGGG         |                       |                     | 157                  | 43                    |                      |
| 07637E                      | 1303N | 2702-04201 | 00000/0000        | 2-20038/0502          | 12/24/76             | 10               | 9781             | 37.8            | 134.1        | GGGG         |                       |                     | 155                  | 51                    |                      |
| 07637E                      | 1303N | 2720-04193 | 00000/0000        | 2-20038/1273          | 01/11/77             | 0                | 32               | 37.2            | 130.9        | GGGG         |                       |                     | 155                  | 51                    |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODF | MSS<br>IMAGE<br>GAIN | SUN<br>PAYH<br>NUM. | FRAME<br>RBV<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|---------------------|----------------------|
| 07636E 4305N                            | 2492-04524        | 03000/0000 2-20026/0245                            | 05/28/76         | 10                  | 6853          | 57.3         | 122.1        | GGGG                               |                     |                      | 161                 | 30                   |
| 07636E 3439N                            | 2724-04360        | 03000/0000 2-20034/0014                            | 01/15/77         | 20                  | 88            | 24.2         | 142.4        | GGGG                               |                     |                      | 159                 | 36                   |
| 07636E 2435N                            | 2704-04281        | 03000/0000 2-20038/0181                            | 12/26/76         | 0                   | 9809          | 30.5         | 140.8        | FFFF                               |                     |                      | 157                 | 43                   |
| 07636E 2435N                            | 2722-04273        | 03000/0000 2-20038/1332                            | 01/13/77         | 10                  | 60            | 30.6         | 137.6        | GGGG                               |                     |                      | 157                 | 43                   |
| 07636E 2432N                            | 2416-04372        | 03000/0000 2-20022/0081                            | 03/13/76         | 0                   | 5793          | 45.3         | 122.6        | GGGG                               |                     |                      | 157                 | 43                   |
| 07636E 1850N                            | 2703-04241        | 03000/0000 2-20038/0144                            | 12/25/76         | 10                  | 9795          | 34.2         | 137.7        | FFFF                               |                     |                      | 156                 | 47                   |
| 07636E 1849N                            | 2721-04233        | 03000/0000 2-20038/0984                            | 01/12/77         | 0                   | 46            | 34.0         | 134.5        | GGGG                               |                     |                      | 156                 | 47                   |
| 07635E 5540N                            | 2514-05112        | 03000/0000 2-20027/0028                            | 06/19/76         | 20                  | 7160          | 52.6         | 139.0        | GGGG                               |                     |                      | 163                 | 21                   |
| 07635E 5307N                            | 2585-05042        | 03000/0000 2-20032/0335                            | 08/29/76         | 100                 | 8150          | 40.9         | 143.1        | GGGG                               |                     |                      | 164                 | 23                   |
| 07635E 5258N                            | 2675-05012        | 03000/0000 2-20036/1310                            | 11/27/76         | 0                   | 9405          | 12.8         | 156.2        | GGGG                               |                     |                      | 164                 | 23                   |
| 07635E 5007N                            | 2530-05010        | 03000/0000 2-20028/0722                            | 07/05/76         | 60                  | 7383          | 54.4         | 129.5        | GGGG                               |                     |                      | 163                 | 25                   |
| 07635E 4314N                            | 2582-04501        | 03000/0000 2-20032/0102                            | 08/26/76         | 10                  | 8108          | 47.4         | 131.2        | GGGG                               |                     |                      | 161                 | 30                   |
| 07635E 4306N                            | 2546-04511        | 03000/0000 2-20028/1699                            | 07/21/76         | 10                  | 7606          | 54.9         | 120.0        | GGGG                               |                     |                      | 161                 | 30                   |
| 07635E 3440N                            | 2706-04364        | 03000/0000 2-20038/0243                            | 12/28/76         | 80                  | 9837          | 23.4         | 145.4        | PPPP                               |                     |                      | 159                 | 36                   |
| 07635E 3436N                            | 2685-04373        | 03000/0000 2-20037/0534                            | 12/10/76         | 10                  | 9586          | 24.8         | 147.3        | GGGG                               |                     |                      | 159                 | 36                   |
| 07635E 3431N                            | 2490-04434        | 03000/0000 2-20026/0059                            | 05/26/76         | 20                  | 6825          | 59.2         | 107.4        | GGGG                               |                     |                      | 159                 | 36                   |
| 07635E 1848N                            | 2685-04250        | 03000/0000 2-20036/1826                            | 12/07/76         | 30                  | 9544          | 36.3         | 139.0        | GGGG                               |                     |                      | 156                 | 47                   |
| 07635E 1302N                            | 2684-04205        | 03000/0000 2-20037/0336                            | 12/06/76         | 10                  | 9530          | 40.0         | 135.0        | PPPP                               |                     |                      | 155                 | 51                   |
| 07634E 5003N                            | 2512-05013        | 03000/0000 2-20027/0082                            | 06/17/76         | 50                  | 7132          | 55.5         | 130.2        | GGGG                               |                     |                      | 163                 | 25                   |
| 07634E 4311N                            | 2690-04462        | 03000/0000 2-20037/0679                            | 12/12/76         | 10                  | 9614          | 18.1         | 150.9        | GGGG                               |                     |                      | 161                 | 30                   |
| 07634E 3859N                            | 2581-04454        | 03000/0000 2-20032/0089                            | 08/25/76         | 20                  | 8094          | 49.6         | 125.6        | GGGG                               |                     |                      | 160                 | 33                   |
| 07634E 3854N                            | 2473-04484        | 03000/0000 2-20024/1874                            | 05/09/76         | 10                  | 6588          | 56.0         | 120.7        | GGGG                               |                     |                      | 160                 | 33                   |
| 07634E 3430N                            | 2508-04432        | 03000/0000 2-20026/1415                            | 06/13/76         | 10                  | 7076          | 59.5         | 103.0        | GGGG                               |                     |                      | 159                 | 36                   |
| 07634E 2433N                            | 2668-04294        | 03000/0000 2-20036/1033                            | 11/20/76         | 80                  | 9307          | 35.7         | 141.7        | GGGG                               |                     |                      | 157                 | 43                   |
| 07633E 5259N                            | 2549-05052        | 03000/0000 2-20030/0127                            | 07/24/76         | 70                  | 7648          | 50.2         | 135.4        | GGGG                               |                     |                      | 164                 | 23                   |
| 07633E 5256N                            | 2495-05065        | 03000/0000 2-20024/0104                            | 05/31/76         | 10                  | 6895          | 53.2         | 137.3        | GGGG                               |                     |                      | 164                 | 23                   |
| 07633E 4304N                            | 2528-04514        | 03000/0000 2-20028/0587                            | 07/03/76         | 30                  | 7355          | 57.2         | 117.6        | GGGG                               |                     |                      | 161                 | 30                   |
| 07633E 4304N                            | 2672-04471        | 03000/0000 2-20037/0176                            | 11/24/76         | 10                  | 9363          | 21.2         | 151.6        | GGGG                               |                     |                      | 161                 | 30                   |
| 07633E 4300N                            | 2510-04521        | 03000/0000 2-20026/1643                            | 06/15/76         | 90                  | 7104          | 58.1         | 118.3        | GGGG                               |                     |                      | 161                 | 30                   |
| 07633E 3857N                            | 2707-04411        | 03000/0000 2-20038/0672                            | 12/29/76         | 30                  | 9851          | 20.3         | 147.2        | GGGG                               |                     |                      | 160                 | 33                   |
| 07633E 3857N                            | 2725-04403        | 03000/0000 2-20039/0080                            | 01/16/77         | 10                  | 102           | 21.4         | 144.2        | GGGG                               |                     |                      | 160                 | 33                   |
| 07633E 3855N                            | 2437-04494        | 03000/0000 2-20022/1205                            | 04/03/76         | 30                  | 6086          | 45.8         | 131.2        | GGGG                               |                     |                      | 160                 | 33                   |
| 07633E 2430N                            | 2398-04375        | 03000/0000 2-20021/0425                            | 02/24/76         | 0                   | 5542          | 40.0         | 128.8        | GGGG                               |                     |                      | 157                 | 43                   |
| 07633E 1258N                            | 2648-04222        | 03000/0000 2-20035/0371                            | 10/31/76         | 10                  | 9028          | 47.0         | 127.9        | GGGG                               |                     |                      | 155                 | 51                   |
| 07632E 5257N                            | 2531-05055        | 03000/0000 2-20028/0745                            | 07/06/76         | 10                  | 7397          | 53.0         | 134.0        | GGGG                               |                     |                      | 164                 | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODF ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBLI<br>MSS | DATE<br>ACQUIRED | CLBD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07632E                      | 5254N | 2513-05062 | 00000/0000        | 2-20026/1763                 | 06/18/76                    | 60               | 7146               | 54.1            | 134.7        | GGGG         |                                    |                     | 164                  | 23                    |                      |
| 07632E                      | 4309N | 2600-04494 | 00000/0000        | 2-20032/1197                 | 09/13/76                    | 80               | 8359               | 42.5            | 137.6        | GGGG         |                                    |                     | 161                  | 30                    |                      |
| 07632E                      | 3854N | 2563-04461 | 00000/0000        | 2-20030/0929                 | 08/07/76                    | 20               | 7843               | 53.3            | 118.4        | GGGG         |                                    |                     | 160                  | 33                    |                      |
| 07632E                      | 3852N | 2689-04415 | 00000/0000        | 2-20037/0651                 | 12/11/76                    | 10               | 9600               | 21.5            | 149.1        | FGGG         |                                    |                     | 160                  | 33                    |                      |
| 07632E                      | 3847N | 2491-04481 | 00000/0000        | 2-20026/0221                 | 05/27/76                    | 20               | 6839               | 58.5            | 114.8        | GGGG         |                                    |                     | 160                  | 33                    |                      |
| 07632E                      | 3435N | 2598-04404 | 00000/0000        | 2-20037/1149                 | 09/11/76                    | 0                | 8331               | 47.6            | 127.8        | GGGG         |                                    |                     | 159                  | 36                    |                      |
| 07632E                      | 3432N | 2670-04381 | 00000/0000        | 2-20036/0829                 | 11/22/76                    | 20               | 9335               | 28.2            | 147.4        | GGGG         |                                    |                     | 159                  | 36                    |                      |
| 07632E                      | 2427N | 2650-04303 | 00000/0000        | 2-20035/0443                 | 11/02/76                    | 0                | 9056               | 40.0            | 138.5        | GGGG         |                                    |                     | 157                  | 43                    |                      |
| 07632E                      | 1255N | 2630-04230 | 00000/0000        | 2-20034/0786                 | 10/13/76                    | 10               | 8777               | 50.2            | 119.5        | GGGG         |                                    |                     | 155                  | 51                    |                      |
| 07631E                      | 3849N | 2545-04464 | 00000/0000        | 2-20029/0057                 | 07/20/76                    | 10               | 7592               | 56.2            | 112.8        | GGGG         |                                    |                     | 160                  | 33                    |                      |
| 07631E                      | 1847N | 2667-04254 | 00000/0000        | 2-20036/0996                 | 11/19/76                    | 80               | 9293               | 35.7            | 137.7        | GGGG         |                                    |                     | 156                  | 47                    |                      |
| 07631E                      | 1845N | 2631-04270 | 00000/0000        | 2-20034/0844                 | 10/14/76                    | 0                | 8791               | 47.7            | 126.5        | GGGG         |                                    |                     | 156                  | 47                    |                      |
| 07631E                      | 1254N | 2378-04301 | 00000/0000        | 2-20020/0910                 | 02/04/76                    | 10               | 5263               | 41.3            | 126.0        | GGGG         |                                    |                     | 155                  | 51                    |                      |
| 07630E                      | 5252N | 2657-05020 | 00000/0000        | 2-20036/0129                 | 11/09/76                    | 60               | 9154               | 17.2            | 156.1        | GGGG         |                                    |                     | 164                  | 23                    |                      |
| 07630E                      | 4303N | 2636-04483 | 00000/0000        | 2-20034/1097                 | 10/19/76                    | 80               | 8861               | 31.3            | 147.8        | GGGG         |                                    |                     | 161                  | 30                    |                      |
| 07630E                      | 3852N | 2599-04451 | 00000/0000        | 2-20032/1091                 | 09/12/76                    | 60               | 8945               | 45.2            | 132.8        | GGGG         |                                    |                     | 160                  | 33                    |                      |
| 07630E                      | 3850N | 2419-04501 | 00000/0000        | 2-20022/0183                 | 03/16/76                    | 90               | 5835               | 39.4            | 135.2        | GGGG         |                                    |                     | 160                  | 33                    |                      |
| 07630E                      | 3850N | 2527-04471 | 00000/0000        | 2-20028/0571                 | 07/02/76                    | 10               | 7341               | 58.2            | 110.1        | GGGG         |                                    |                     | 160                  | 33                    |                      |
| 07630E                      | 3845N | 2509-04474 | 00000/0000        | 2-20026/1612                 | 06/14/76                    | 20               | 7090               | 59.1            | 110.8        | GGGG         |                                    |                     | 160                  | 33                    |                      |
| 07630E                      | 2420N | 2380-04382 | 00000/0000        | 2-20020/1046                 | 02/06/76                    | 0                | 5291               | 35.7            | 134.0        | FGGG         |                                    |                     | 157                  | 43                    |                      |
| 07630E                      | 1845N | 2397-04334 | 00000/0000        | 2-20021/0459                 | 02/23/76                    | 0                | 5528               | 42.4            | 124.2        | GGGG         |                                    |                     | 156                  | 47                    |                      |
| 07630E                      | 1844N | 2649-04262 | 00000/0000        | 2-20035/0399                 | 11/01/76                    | 0                | 9042               | 43.7            | 133.6        | GGGG         |                                    |                     | 156                  | 47                    |                      |
| 07630E                      | 1837N | 2379-04341 | 00000/0000        | 2-20020/0995                 | 02/05/76                    | 0                | 5277               | 38.6            | 130.3        | FFGG         |                                    |                     | 156                  | 47                    |                      |
| 07629E                      | 3851N | 2617-04444 | 00000/0000        | 2-20034/0156                 | 09/30/76                    | 10               | 8596               | 40.1            | 139.6        | GGGG         |                                    |                     | 160                  | 33                    |                      |
| 07628E                      | 3850N | 2671-04424 | 00000/0000        | 2-20036/1178                 | 11/23/76                    | 0                | 9349               | 24.7            | 149.6        | GGGG         |                                    |                     | 160                  | 33                    |                      |
| 07627E                      | 3845N | 2653-04432 | 00000/0000        | 2-20035/0540                 | 11/05/76                    | 0                | 9098               | 29.3            | 148.2        | GGGG         |                                    |                     | 160                  | 33                    |                      |
| 07625E                      | 2859N | 2453-04403 | 00000/0000        | 2-20023/0425                 | 04/19/76                    | 0                | 6309               | 54.4            | 113.1        | GGGG         |                                    |                     | 158                  | 40                    |                      |
| 07622E                      | 2855N | 2435-04411 | 00000/0000        | 2-20027/1139                 | 04/01/76                    | 20               | 6058               | 49.5            | 120.4        | GGGG         |                                    |                     | 158                  | 40                    |                      |
| 07622E                      | 2854N | 2687-04332 | 00000/0000        | 2-20037/0503                 | 12/09/76                    | 0                | 9572               | 29.1            | 144.6        | FGGG         |                                    |                     | 158                  | 40                    |                      |
| 07621E                      | 2857N | 2705-04324 | 00000/0000        | 2-20038/0220                 | 12/27/76                    | 0                | 9823               | 27.5            | 142.9        | FFFG         |                                    |                     | 158                  | 40                    |                      |
| 07621E                      | 2855N | 2723-04320 | 00000/0000        | 2-20038/1379                 | 01/14/77                    | 70               | 74                 | 27.9            | 139.7        | GGGG         |                                    |                     | 158                  | 40                    |                      |
| 07621E                      | 2851N | 2417-04414 | 00000/0000        | 2-20021/1607                 | 03/14/76                    | 60               | 5807               | 43.8            | 126.6        | GGGG         |                                    |                     | 158                  | 40                    |                      |
| 07619E                      | 2849N | 2669-04341 | 00000/0000        | 2-20036/0526                 | 11/21/76                    | 90               | 9321               | 32.5            | 144.3        | GGGG         |                                    |                     | 158                  | 40                    |                      |
| 07618E                      | 4603N | 2709-04509 | 00000/0000        | 2-20038/0414                 | 12/31/76                    | 10               | 9879               | 15.1            | 149.9        | FGGG         |                                    |                     | 162                  | 28                    |                      |
| 07618E                      | 2846N | 2633-04353 | 00000/0000        | 2-20034/0634                 | 10/16/76                    | 10               | 8819               | 41.8            | 136.7        | FGGG         |                                    |                     | 158                  | 40                    |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER,  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR MGN-105  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LAT   | LONG | OBSERVATION<br>ID | MICROFIL<br>POSITION IN<br>ROLL | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER % | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------|-------------------|---------------------------------|------------------|------------------|------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07617E                      | 4559N |      | 2691-04511        | 00000/0000                      | 2-20037/0753     | 12/13/76         | 100              | 9628            | 15.9         | 152.0        | GGGG                               |                     |                      | 162                   | 28                   |
| 07617E                      | 1136N |      | 2702-04203        | 00000/0000                      | 2-20038/0503     | 12/24/76         | 10               | 9781            | 38.6         | 133.1        | GGGG                               |                     |                      | 155                   | 52                   |
| 07616E                      | 4604N |      | 2727-04435        | 00000/0000                      | 2-20038/1432     | 01/18/77         | 10               | 130             | 16.7         | 147.1        | FGGP                               |                     |                      | 162                   | 28                   |
| 07616E                      | 2349N |      | 2399-04421        | 00000/0000                      | 2-20021/0670     | 02/25/76         | 30               | 5556            | 38.1         | 132.0        | GGGG                               |                     |                      | 158                   | 40                   |
| 07616E                      | 2308N |      | 2434-04371        | 00000/0000                      | 2-20022/1030     | 03/31/76         | 30               | 6044            | 50.9         | 113.6        | GGGG                               |                     |                      | 157                   | 44                   |
| 07616E                      | 1137N |      | 2720-04195        | 00000/0000                      | 2-20038/1274     | 01/11/77         | 10               | 32              | 38.0         | 129.9        | PPGG                               |                     |                      | 155                   | 52                   |
| 07615E                      | 3319N |      | 2454-04451        | 00000/0000                      | 2-20024/0054     | 04/20/76         | 0                | 6323            | 53.4         | 119.0        | GGGG                               |                     |                      | 159                   | 37                   |
| 07615E                      | 1136N |      | 2654-04212        | 00000/0000                      | 2-20037/0337     | 12/06/76         | 30               | 9530            | 40.9         | 134.0        | PPPP                               |                     |                      | 155                   | 52                   |
| 07614E                      | 3312N |      | 2472-04443        | 00000/0000                      | 2-20024/1838     | 05/08/76         | 10               | 6574            | 57.3         | 111.7        | GGGG                               |                     |                      | 159                   | 37                   |
| 07614E                      | 2837N |      | 2381-04424        | 00000/0000                      | 2-20020/1147     | 02/07/76         | 10               | 5305            | 33.4         | 136.6        | GGGG                               |                     |                      | 158                   | 40                   |
| 07614E                      | 2307N |      | 2686-04292        | 00000/0000                      | 2-20037/0445     | 12/08/76         | 50               | 9558            | 33.3         | 141.5        | GGGG                               |                     |                      | 157                   | 44                   |
| 07614E                      | 1723N |      | 2703-04244        | 00000/0000                      | 2-20038/0145     | 12/25/76         | 10               | 9795            | 35.1         | 136.8        | FFFG                               |                     |                      | 154                   | 48                   |
| 07614E                      | 1723N |      | 2721-04235        | 00000/0000                      | 2-20038/0985     | 01/12/77         | 0                | 46              | 34.8         | 133.6        | FFGG                               |                     |                      | 154                   | 48                   |
| 07614E                      | 1722N |      | 2655-04252        | 00000/0000                      | 2-20034/1827     | 12/07/76         | 10               | 9544            | 37.2         | 138.0        | GGGF                               |                     |                      | 156                   | 48                   |
| 07613E                      | 2309N |      | 2704-04244        | 00000/0000                      | 2-20038/0182     | 12/26/76         | 0                | 9809            | 31.4         | 140.0        | FFFF                               |                     |                      | 157                   | 44                   |
| 07613E                      | 2308N |      | 2722-04210        | 00000/0000                      | 2-20038/1333     | 01/13/77         | 0                | 60              | 31.5         | 136.8        | GGGG                               |                     |                      | 157                   | 44                   |
| 07613E                      | 2306N |      | 2416-04374        | 00000/0000                      | 2-20022/0082     | 03/13/76         | 0                | 5793            | 45.8         | 121.2        | GGGG                               |                     |                      | 157                   | 44                   |
| 07613E                      | 1132N |      | 2648-04225        | 00000/0000                      | 2-20035/0372     | 10/31/76         | 20               | 9028            | 47.7         | 126.5        | GGGG                               |                     |                      | 155                   | 52                   |
| 07612E                      | 4553N |      | 2673-04520        | 00000/0000                      | 2-20036/1266     | 11/25/76         | 0                | 9377            | 18.8         | 152.9        | GGGG                               |                     |                      | 162                   | 28                   |
| 07612E                      | 2306N |      | 2668-04301        | 00000/0000                      | 2-20036/1034     | 11/20/76         | 90               | 9307            | 36.7         | 140.8        | GGGG                               |                     |                      | 157                   | 44                   |
| 07611E                      | 5718N |      | 2569-05150        | 00000/0000                      | 2-20030/1219     | 08/13/76         | 40               | 7927            | 43.0         | 144.4        | GGGG                               |                     |                      | 166                   | 20                   |
| 07611E                      | 3311N |      | 2436-04454        | 00000/0000                      | 2-20022/1099     | 04/02/76         | 10               | 6072            | 48.1         | 125.1        | GGGG                               |                     |                      | 159                   | 37                   |
| 07611E                      | 2303N |      | 2396-04341        | 00000/0000                      | 2-20021/0426     | 02/24/76         | 0                | 5542            | 40.7         | 127.6        | GGGG                               |                     |                      | 157                   | 44                   |
| 07611E                      | 1129N |      | 2630-04233        | 00000/0000                      | 2-20034/0787     | 10/13/76         | 20               | 8777            | 50.7         | 117.8        | GGGG                               |                     |                      | 155                   | 52                   |
| 07611E                      | 1127N |      | 2378-04303        | 00000/0000                      | 2-20027/0911     | 02/04/76         | 30               | 5263            | 41.9         | 124.8        | GGGF                               |                     |                      | 155                   | 52                   |
| 07610E                      | 4150N |      | 2456-04540        | 00000/0000                      | 2-20024/0363     | 04/22/76         | 0                | 6351            | 50.6         | 129.9        | GGGG                               |                     |                      | 161                   | 31                   |
| 07610E                      | 3314N |      | 2580-04414        | 00000/0000                      | 2-20037/1813     | 08/24/76         | 60               | 8080            | 51.8         | 117.6        | GGGG                               |                     |                      | 159                   | 37                   |
| 07610E                      | 3313N |      | 2724-04362        | 00000/0000                      | 2-20039/0015     | 01/15/77         | 10               | 88              | 25.2         | 141.7        | GGGG                               |                     |                      | 159                   | 37                   |
| 07610E                      | 3310N |      | 2688-04375        | 00000/0000                      | 2-20037/0535     | 12/10/76         | 20               | 9586            | 25.9         | 146.6        | GGGG                               |                     |                      | 159                   | 37                   |
| 07610E                      | 2300N |      | 2650-04305        | 00000/0000                      | 2-20035/0444     | 11/02/76         | 0                | 9056            | 40.9         | 137.4        | GGGG                               |                     |                      | 157                   | 44                   |
| 07610E                      | 1721N |      | 2657-04261        | 00000/0000                      | 2-20036/0997     | 11/19/76         | 90               | 9293            | 40.6         | 136.7        | GGGG                               |                     |                      | 156                   | 48                   |
| 07609E                      | 4148N |      | 2474-04533        | 00000/0000                      | 2-20025/0013     | 05/10/76         | 10               | 6602            | 55.1         | 124.9        | GGGG                               |                     |                      | 161                   | 31                   |
| 07609E                      | 3735N |      | 2455-04493        | 00000/0000                      | 2-20024/0234     | 04/21/76         | 0                | 6337            | 52.2         | 124.6        | GGGG                               |                     |                      | 160                   | 34                   |
| 07609E                      | 3314N |      | 2706-04371        | 00000/0000                      | 2-20038/0244     | 12/28/76         | 70               | 9837            | 24.4         | 144.8        | PPPP                               |                     |                      | 159                   | 37                   |
| 07609E                      | 3309N |      | 2418-04461        | 00000/0000                      | 2-20021/1661     | 03/15/76         | 100              | 5821            | 42.0         | 130.4        | GGGG                               |                     |                      | 159                   | 37                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 177

 LANDSAT-2  
 COORDINATE LISTING  
 FOR NON-US

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FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>HBV | ROLL NO./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>HBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|--------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07609E                                  | 3305N             | 2490-04441                   | 0000/0000                            | 2-20024/0060     | 05/26/76            | 40              | 6825         | 59.3         | 104.8                              | GGGG                |                      | 159                   | 37                   |
| 07609E                                  | 1719N             | 2631-04272                   | 0000/0000                            | 2-20034/0845     | 10/14/76            | 10              | 8791         | 48.3         | 125.0                              | GGGG                |                      | 156                   | 48                   |
| 07609E                                  | 1717N             | 2649-04255                   | 0000/0000                            | 2-20035/0400     | 11/01/76            | 10              | 9042         | 44.6         | 132.3                              | GGGG                |                      | 156                   | 48                   |
| 07609E                                  | 1711N             | 2379-04344                   | 0000/0000                            | 2-20022/0936     | 02/05/76            | 0               | 5277         | 39.4         | 129.2                              | GGGG                |                      | 156                   | 48                   |
| 07608E                                  | 4148N             | 2438-04543                   | 0000/0000                            | 2-20022/1242     | 04/04/76            | 10              | 6100         | 44.7         | 134.1                              | GGGG                |                      | 161                   | 31                   |
| 07608E                                  | 3303N             | 2508-04434                   | 0000/0000                            | 2-20024/1416     | 06/13/76            | 10              | 7076         | 59.6         | 100.3                              | GGGG                |                      | 159                   | 37                   |
| 07608E                                  | 1719N             | 2397-04344                   | 0000/0000                            | 2-20021/0430     | 02/23/76            | 0               | 5528         | 43.0         | 122.9                              | GGGG                |                      | 156                   | 48                   |
| 07607E                                  | 5719N             | 2537-05143                   | 0000/0000                            | 2-20032/0417     | 08/31/76            | 100             | 8178         | 37.5         | 148.0                              | FGGG                |                      | 166                   | 20                   |
| 07607E                                  | 2254N             | 2350-04344                   | 0000/0000                            | 2-20022/1047     | 02/06/76            | 0               | 5291         | 36.5         | 133.0                              | GGGG                |                      | 157                   | 44                   |
| 07606E                                  | 4856N             | 2458-05032                   | 0000/0000                            | 2-20024/0400     | 04/24/76            | 100             | 6379         | 47.4         | 138.3                              | GGGG                |                      | 163                   | 26                   |
| 07606E                                  | 4148N             | 2726-04452                   | 0000/0000                            | 2-20039/0653     | 01/17/77            | 50              | 116          | 19.5         | 145.3                              | FGGG                |                      | 161                   | 31                   |
| 07606E                                  | 4147N             | 2708-04450                   | 0000/0000                            | 2-20038/0390     | 12/30/76            | 40              | 9865         | 18.2         | 148.2                              | FGGG                |                      | 161                   | 31                   |
| 07606E                                  | 3728N             | 2473-04490                   | 0000/0000                            | 2-20024/1875     | 05/09/76            | 10              | 6588         | 56.4         | 118.4                              | GGGG                |                      | 160                   | 34                   |
| 07606E                                  | 3309N             | 2555-04411                   | 0000/0000                            | 2-20032/1150     | 09/11/76            | 10              | 8331         | 48.2         | 126.2                              | GGGG                |                      | 159                   | 37                   |
| 07606E                                  | 3306N             | 2670-04334                   | 0000/0000                            | 2-20034/0830     | 11/22/76            | 20              | 9335         | 29.2         | 146.7                              | GGGG                |                      | 159                   | 37                   |
| 07606E                                  | 3302N             | 2652-04392                   | 0000/0000                            | 2-20035/0516     | 11/04/76            | 10              | 9084         | 33.8         | 144.7                              | GGG                 |                      | 159                   | 37                   |
| 07605E                                  | 4855N             | 2710-04552                   | 0000/0000                            | 2-20038/0439     | 01/01/77            | 0               | 9893         | 12.9         | 151.0                              | FFFF                |                      | 163                   | 26                   |
| 07605E                                  | 3733N             | 2531-04450                   | 0000/0000                            | 2-20032/0090     | 08/25/76            | 10              | 8094         | 50.2         | 123.8                              | GGGG                |                      | 160                   | 34                   |
| 07605E                                  | 3731N             | 2725-04405                   | 0000/0000                            | 2-20039/0081     | 01/16/77            | 10              | 102          | 22.4         | 143.5                              | GGGG                |                      | 160                   | 34                   |
| 07605E                                  | 3730N             | 2437-04520                   | 0000/0000                            | 2-20027/1206     | 04/03/76            | 10              | 6086         | 46.5         | 129.7                              | GGGG                |                      | 160                   | 34                   |
| 07605E                                  | 3304N             | 2634-04400                   | 0000/0000                            | 2-20034/0643     | 10/17/76            | 0               | 8833         | 38.8         | 140.4                              | FFFF                |                      | 159                   | 37                   |
| 07604E                                  | 3731N             | 2717-04413                   | 0000/0000                            | 2-20038/0673     | 12/29/76            | 10              | 9851         | 21.3         | 146.5                              | GGGG                |                      | 160                   | 34                   |
| 07604E                                  | 3729N             | 2553-04454                   | 0000/0000                            | 2-20030/0930     | 05/07/76            | 40              | 7843         | 53.7         | 116.3                              | GGGG                |                      | 160                   | 34                   |
| 07604E                                  | 3727N             | 2689-04422                   | 0000/0000                            | 2-20037/0652     | 12/11/76            | 20              | 9600         | 22.6         | 148.5                              | FGGG                |                      | 160                   | 34                   |
| 07603E                                  | 5710N             | 2551-05153                   | 0000/0000                            | 2-20030/0054     | 07/26/76            | 10              | 7676         | 47.4         | 141.5                              | GGGG                |                      | 166                   | 20                   |
| 07603E                                  | 4850N             | 2476-05025                   | 0000/0000                            | 2-20024/1655     | 05/12/76            | 10              | 6630         | 52.3         | 134.8                              | FGGG                |                      | 163                   | 26                   |
| 07603E                                  | 4145N             | 2690-04464                   | 0000/0000                            | 2-20037/0680     | 12/12/76            | 80              | 9614         | 19.2         | 150.3                              | FGGG                |                      | 161                   | 31                   |
| 07603E                                  | 3721N             | 2491-04453                   | 0000/0000                            | 2-20026/0222     | 05/27/76            | 40              | 6839         | 58.8         | 112.3                              | GGGG                |                      | 160                   | 34                   |
| 07602E                                  | 5706N             | 2333-05160                   | 0000/0000                            | 2-20024/0941     | 07/08/76            | 60              | 7425         | 50.5         | 140.4                              | GGGG                |                      | 166                   | 20                   |
| 07602E                                  | 4852N             | 2566-05032                   | 0000/0000                            | 2-20030/1043     | 08/10/76            | 10              | 7885         | 48.6         | 133.1                              | GGGG                |                      | 163                   | 26                   |
| 07602E                                  | 4852N             | 2692-04560                   | 0000/0000                            | 2-20037/0797     | 12/14/76            | 90              | 9642         | 13.5         | 153.2                              | GGGG                |                      | 163                   | 26                   |
| 07602E                                  | 4134N             | 2510-04524                   | 0000/0000                            | 2-20026/1644     | 06/15/76            | 90              | 7104         | 58.5         | 115.8                              | GGGG                |                      | 161                   | 31                   |
| 07602E                                  | 3724N             | 2419-04564                   | 0000/0000                            | 2-20027/0184     | 03/16/76            | 90              | 5835         | 40.1         | 134.0                              | GFFF                |                      | 160                   | 34                   |
| 07602E                                  | 3724N             | 2527-04474                   | 0000/0000                            | 2-20028/0572     | 07/02/76            | 20              | 7341         | 58.3         | 107.6                              | FGGG                |                      | 160                   | 34                   |
| 07602E                                  | 3723N             | 2545-04471                   | 0000/0000                            | 2-20029/0058     | 07/20/76            | 10              | 7592         | 56.4         | 110.4                              | GGGG                |                      | 160                   | 34                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR MSN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 07602E                      | 3719N | 2509-04481 | 00000/0000        | 2-20026/1613                 | 06/14/76                    | 20               | 7090                | 59.3            | 108.1        | GGGG         |                       |                     |                      | 160                   | 34                   |
| 07601E                      | 5147N | 2441-05084 | 00000/0000        | 2-20027/1409                 | 04/07/76                    | 10               | 6142                | 39.8            | 143.7        | GGGG         |                       |                     |                      | 164                   | 24                   |
| 07601E                      | 5147N | 2459-05081 | 00000/0000        | 2-20024/0359                 | 04/25/76                    | 30               | 6393                | 46.0            | 141.6        | GGGG         |                       |                     |                      | 164                   | 24                   |
| 07601E                      | 4854N | 2728-04544 | 00000/0000        | 2-20039/0123                 | 01/19/77                    | 30               | 144                 | 14.8            | 143.2        | GGGG         |                       |                     |                      | 163                   | 26                   |
| 07601E                      | 4845N | 2548-05010 | 00000/0000        | 2-20030/0018                 | 07/23/76                    | 80               | 7634                | 52.4            | 129.1        | GGFG         |                       |                     |                      | 163                   | 26                   |
| 07601E                      | 4140N | 2672-04473 | 00000/0000        | 2-20037/0177                 | 11/24/76                    | 10               | 9363                | 22.3            | 150.9        | GGGG         |                       |                     |                      | 161                   | 31                   |
| 07601E                      | 3726N | 2599-04454 | 00000/0000        | 2-20032/1092                 | 09/12/76                    | 60               | 8345                | 45.9            | 131.3        | GGGG         |                       |                     |                      | 160                   | 34                   |
| 07559E                      | 5433N | 2442-05132 | 00000/0000        | 2-20022/1612                 | 04/08/76                    | 40               | 6156                | 38.3            | 146.4        | GGGF         |                       |                     |                      | 165                   | 22                   |
| 07559E                      | 5429N | 2478-05123 | 00000/0000        | 2-20025/0315                 | 05/14/76                    | 10               | 6658                | 49.5            | 142.3        | FGGG         |                       |                     |                      | 165                   | 22                   |
| 07559E                      | 4138N | 2636-04485 | 00000/0000        | 2-20034/1098                 | 10/19/76                    | 30               | 8861                | 32.3            | 146.9        | GGGG         |                       |                     |                      | 161                   | 31                   |
| 07559E                      | 3725N | 2671-04430 | 00000/0000        | 2-20036/1179                 | 11/23/76                    | 0                | 9349                | 25.8            | 148.9        | GGGG         |                       |                     |                      | 160                   | 34                   |
| 07559E                      | 3719N | 2653-04435 | 00000/0000        | 2-20035/0541                 | 11/05/76                    | 0                | 9098                | 30.4            | 147.4        | GGGG         |                       |                     |                      | 160                   | 34                   |
| 07559E                      | 2728N | 2687-04335 | 00000/0000        | 2-20037/0504                 | 12/09/76                    | 0                | 9572                | 30.1            | 143.9        | GGGG         |                       |                     |                      | 158                   | 41                   |
| 07558E                      | 5433N | 2586-05034 | 00000/0000        | 2-20037/0386                 | 08/30/76                    | 90               | 8164                | 39.7            | 144.8        | GGGG         |                       |                     |                      | 165                   | 22                   |
| 07558E                      | 5432N | 2730-05042 | 00000/0000        | 2-20039/0903                 | 01/21/77                    | 10               | 172                 | 11.0            | 150.7        | PPFG         |                       |                     |                      | 165                   | 22                   |
| 07558E                      | 5429N | 2568-05101 | 00000/0000        | 2-20030/1179                 | 08/12/76                    | 70               | 7913                | 45.0            | 140.7        | GGGG         |                       |                     |                      | 165                   | 22                   |
| 07558E                      | 5145N | 2711-05001 | 00000/0000        | 2-20038/0542                 | 01/02/77                    | 0                | 9907                | 10.8            | 152.1        | FGGG         |                       |                     |                      | 164                   | 24                   |
| 07558E                      | 4845N | 2674-04565 | 00000/0000        | 2-20036/1540                 | 11/26/76                    | 0                | 9391                | 16.3            | 154.2        | GGGG         |                       |                     |                      | 163                   | 26                   |
| 07558E                      | 2728N | 2435-04413 | 00000/0000        | 2-20022/1140                 | 04/01/76                    | 20               | 6058                | 49.9            | 118.6        | GGGG         |                       |                     |                      | 158                   | 41                   |
| 07557E                      | 4843N | 2530-05013 | 00000/0000        | 2-20028/0704                 | 07/05/76                    | 20               | 7383                | 55.0            | 127.2        | GGGG         |                       |                     |                      | 163                   | 26                   |
| 07557E                      | 2731N | 2705-04330 | 00000/0000        | 2-20038/0221                 | 12/27/76                    | 0                | 9823                | 28.4            | 142.2        | FGGG         |                       |                     |                      | 158                   | 41                   |
| 07557E                      | 2728N | 2723-04322 | 00000/0000        | 2-20038/1413                 | 01/14/77                    | 40               | 74                  | 25.8            | 139.0        | GG           |                       |                     |                      | 158                   | 41                   |
| 07557E                      | 2725N | 2417-04421 | 00000/0000        | 2-20021/1608                 | 03/14/76                    | 70               | 5807                | 44.4            | 125.2        | GGGG         |                       |                     |                      | 158                   | 41                   |
| 07557E                      | 1600N | 2469-04322 | 00000/0000        | 2-20024/1531                 | 05/05/76                    | 0                | 6532                | 56.4            | 84.5         | GGGG         |                       |                     |                      | 156                   | 49                   |
| 07556E                      | 5141N | 2693-05005 | 00000/0000        | 2-20037/0902                 | 12/15/76                    | 30               | 9656                | 11.2            | 154.3        | GGGG         |                       |                     |                      | 164                   | 24                   |
| 07556E                      | 5138N | 2477-05074 | 00000/0000        | 2-20025/0353                 | 05/13/76                    | 10               | 6644                | 50.9            | 138.6        | GGGG         |                       |                     |                      | 164                   | 24                   |
| 07556E                      | 4839N | 2512-05020 | 00000/0000        | 2-20027/0083                 | 06/17/76                    | 50               | 7132                | 56.1            | 127.9        | GGGG         |                       |                     |                      | 163                   | 26                   |
| 07555E                      | 5424N | 2496-05121 | 00000/0000        | 2-20026/0647                 | 06/01/76                    | 10               | 6909                | 52.5            | 139.3        | GGFG         |                       |                     |                      | 165                   | 22                   |
| 07555E                      | 5424N | 2676-05063 | 00000/0000        | 2-20036/1421                 | 11/28/76                    | 50               | 9419                | 11.4            | 156.9        | FGGG         |                       |                     |                      | 165                   | 22                   |
| 07555E                      | 5143N | 2567-05051 | 00000/0000        | 2-20030/1117                 | 08/11/76                    | 10               | 7899                | 46.8            | 137.0        | GGGG         |                       |                     |                      | 164                   | 24                   |
| 07555E                      | 3706N | 2383-04514 | 00000/0000        | 2-20020/1215                 | 02/09/76                    | 20               | 5333                | 28.6            | 141.3        | GGFG         |                       |                     |                      | 160                   | 34                   |
| 07555E                      | 2723N | 2669-04344 | 00000/0000        | 2-20036/0527                 | 11/21/76                    | 100              | 9321                | 33.5            | 143.5        | GGGG         |                       |                     |                      | 158                   | 41                   |
| 07554E                      | 2721N | 2633-04360 | 00000/0000        | 2-20034/0635                 | 10/16/76                    | 0                | 8819                | 42.7            | 135.5        | GGGG         |                       |                     |                      | 158                   | 41                   |
| 07554E                      | 2141N | 2434-04373 | 00000/0000        | 2-20022/1031                 | 03/31/76                    | 20               | 6044                | 51.2            | 111.7        | GGGG         |                       |                     |                      | 157                   | 45                   |
| 07553E                      | 5142N | 2585-05044 | 00000/0000        | 2-20032/0336                 | 08/29/76                    | 70               | 8150                | 41.8            | 141.6        | GGGG         |                       |                     |                      | 164                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN=US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL No./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLSD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07553E 1556N                            | 2685-04255        | 00000/0000 2-20036/1828                            | 12/07/76         | 0                  | 9544            | 38.1         | 137.1        | GGGG                               |                     |                      | 156                   | 49                   |
| 07553E 1556N                            | 2703-04250        | 00000/0000 2-20038/0146                            | 12/25/76         | 0                  | 9795            | 36.0         | 135.9        | FFFF                               |                     |                      | 156                   | 49                   |
| 07553E 1556N                            | 2721-04242        | 00000/0000 2-20038/0986                            | 01/12/77         | 0                  | 46              | 35.6         | 132.6        | GGFF                               |                     |                      | 156                   | 49                   |
| 07552E 5133N                            | 2675-05014        | 00000/0000 2-20036/1311                            | 11/27/76         | 0                  | 9405            | 13.9         | 155.5        | GGGG                               |                     |                      | 164                   | 24                   |
| 07552E 2723N                            | 2399-04424        | 00000/0000 2-20021/0671                            | 02/25/76         | 20                 | 5556            | 38.9         | 130.8        | GFGG                               |                     |                      | 158                   | 41                   |
| 07552E 2720N                            | 2651-04352        | 00000/0000 2-20035/0485                            | 11/03/76         | 0                  | 9070            | 37.9         | 140.8        | GGGG                               |                     |                      | 158                   | 41                   |
| 07551E 5418N                            | 2532-05111        | 00000/0000 2-20028/0840                            | 07/07/76         | 70                 | 7411            | 52.2         | 136.1        | GGGG                               |                     |                      | 165                   | 22                   |
| 07551E 5135N                            | 2549-05055        | 00000/0000 2-20030/0128                            | 07/24/76         | 60                 | 7648            | 50.9         | 133.4        | GGGG                               |                     |                      | 164                   | 24                   |
| 07551E 5133N                            | 2531-05062        | 00000/0000 2-20028/0746                            | 07/06/76         | 10                 | 7397            | 53.7         | 131.8        | GGGG                               |                     |                      | 164                   | 24                   |
| 07551E 2142N                            | 2704-04290        | 00000/0000 2-20038/0153                            | 12/26/76         | 0                  | 9809            | 32.4         | 139.2        | FFFF                               |                     |                      | 157                   | 45                   |
| 07551E 2142N                            | 2722-04282        | 00000/0000 2-20038/1334                            | 01/13/77         | 0                  | 60              | 32.3         | 136.0        | GGGF                               |                     |                      | 157                   | 45                   |
| 07551E 2140N                            | 2686-04295        | 00000/0000 2-20037/0446                            | 12/08/76         | 50                 | 9558            | 34.3         | 140.7        | GGGG                               |                     |                      | 157                   | 45                   |
| 07551E 2139N                            | 2416-04381        | 00000/0000 2-20022/0083                            | 03/13/76         | 0                  | 5793            | 46.3         | 119.6        | GGGG                               |                     |                      | 157                   | 45                   |
| 07551E 1554N                            | 2415-04340        | 00000/0000 2-20021/1515                            | 03/12/76         | 10                 | 5779            | 47.8         | 113.8        | GGGG                               |                     |                      | 156                   | 49                   |
| 07550E 5132N                            | 2495-05072        | 00000/0000 2-20026/0105                            | 05/31/76         | 10                 | 6895            | 53.9         | 135.2        | GFGG                               |                     |                      | 164                   | 24                   |
| 07550E 5130N                            | 2513-05065        | 00000/0000 2-20026/1764                            | 06/18/76         | 60                 | 7146            | 54.8         | 132.5        | GGGG                               |                     |                      | 164                   | 24                   |
| 07550E 3153N                            | 2454-04453        | 00000/0000 2-20024/0055                            | 04/20/76         | 0                  | 6323            | 53.9         | 116.9        | GGGG                               |                     |                      | 159                   | 38                   |
| 07550E 2711N                            | 2381-04431        | 00000/0000 2-20020/1148                            | 02/07/76         | 0                  | 5305            | 34.3         | 135.7        | GFGG                               |                     |                      | 158                   | 41                   |
| 07549E 1554N                            | 2667-04263        | 00000/0000 2-20036/0998                            | 11/19/76         | 80                 | 9293            | 41.4         | 135.6        | GGGG                               |                     |                      | 156                   | 49                   |
| 07549E 1553N                            | 2631-04275        | 00000/0000 2-20034/0846                            | 10/14/76         | 10                 | 8791            | 48.9         | 123.4        | GGGG                               |                     |                      | 156                   | 49                   |
| 07548E 5416N                            | 2514-05114        | 00000/0000 2-20027/0029                            | 06/19/76         | 30                 | 7160            | 53.4         | 136.8        | GGGG                               |                     |                      | 165                   | 22                   |
| 07548E 5128N                            | 2657-05022        | 00000/0000 2-20036/0130                            | 11/09/76         | 60                 | 9154            | 18.3         | 155.3        | GGGG                               |                     |                      | 164                   | 24                   |
| 07548E 3146N                            | 2472-04450        | 00000/0000 2-20024/1839                            | 05/08/76         | 0                  | 6574            | 57.6         | 109.2        | GGGG                               |                     |                      | 159                   | 38                   |
| 07548E 2137N                            | 2398-04384        | 00000/0000 2-20021/0427                            | 02/24/76         | 0                  | 5542            | 41.4         | 126.4        | GGGG                               |                     |                      | 157                   | 45                   |
| 07548E 2135N                            | 2650-04312        | 00000/0000 2-20035/0445                            | 11/02/76         | 0                  | 9056            | 41.8         | 136.3        | FGGG                               |                     |                      | 157                   | 45                   |
| 07548E 1551N                            | 2649-04271        | 00000/0000 2-20035/0401                            | 11/01/76         | 10                 | 9042            | 45.3         | 131.0        | GGGG                               |                     |                      | 156                   | 49                   |
| 07547E 1552N                            | 2397-04343        | 00000/0000 2-20021/0491                            | 02/23/76         | 0                  | 5528            | 43.6         | 121.6        | GGGG                               |                     |                      | 156                   | 49                   |
| 07547E 1545N                            | 2379-04350        | 00000/0000 2-20020/0997                            | 02/05/76         | 0                  | 5277            | 40.1         | 128.0        | FFGG                               |                     |                      | 156                   | 49                   |
| 07545E 3145N                            | 2436-04460        | 00000/0000 2-20022/1100                            | 04/02/76         | 10                 | 6072            | 48.7         | 123.4        | GGGG                               |                     |                      | 159                   | 38                   |
| 07545E 2128N                            | 2380-04391        | 00000/0000 2-20020/1048                            | 02/06/76         | 0                  | 5291            | 37.3         | 132.0        | GGGG                               |                     |                      | 157                   | 45                   |
| 07544E 4438N                            | 2709-04505        | 00000/0000 2-20038/0415                            | 12/31/76         | 20                 | 9879            | 16.1         | 149.3        | GGGF                               |                     |                      | 162                   | 29                   |
| 07544E 3148N                            | 2580-04420        | 00000/0000 2-20030/1814                            | 08/24/76         | 80                 | 8080            | 52.2         | 115.6        | GGGG                               |                     |                      | 159                   | 38                   |
| 07544E 3147N                            | 2724-04365        | 00000/0000 2-20039/0016                            | 01/15/77         | 10                 | 88              | 26.1         | 141.0        | GFGF                               |                     |                      | 159                   | 38                   |
| 07544E 3145N                            | 2688-04382        | 00000/0000 2-20037/0536                            | 12/10/76         | 10                 | 9586            | 26.9         | 145.9        | GGGG                               |                     |                      | 159                   | 38                   |
| 07544E 3143N                            | 2418-04463        | 00000/0000 2-20021/1662                            | 03/15/76         | 100                | 5821            | 42.7         | 129.1        | GGGG                               |                     |                      | 159                   | 38                   |

KEYS: CLSD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|-----------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07544E                      | 3139N | 2430-04443 | 00000/0000        | 2-20026/0061          | 05/26/76                   | 10               | 6825                | 59.4            | 102.2        | GGGG         |                                    |                     |                      | 159                   | 38                   |
| 07543E                      | 5846N | 2462-05231 | 00000/0000        | 2-20024/0729          | 04/28/76                   | 90               | 6435                | 42.3            | 149.6        | GGGG         |                                    |                     |                      | 167                   | 19                   |
| 07543E                      | 4434N | 2691-04514 | 00000/0000        | 2-20037/0754          | 12/13/76                   | 100              | 9628                | 17.0            | 151.4        | GGGG         |                                    |                     |                      | 162                   | 29                   |
| 07542E                      | 4439N | 2727-04501 | 00000/0000        | 2-20038/1433          | 01/18/77                   | 70               | 130                 | 17.7            | 146.4        | GGGG         |                                    |                     |                      | 162                   | 29                   |
| 07541E                      | 5846N | 2444-05234 | 00000/0000        | 2-20024/0001          | 04/10/76                   | 10               | 6184                | 36.1            | 150.7        | GGGG         |                                    |                     |                      | 167                   | 19                   |
| 07541E                      | 5838N | 2480-05224 | 00000/0000        | 2-20025/0472          | 05/16/76                   | 90               | 6686                | 47.2            | 147.7        | GGGG         |                                    |                     |                      | 167                   | 19                   |
| 07541E                      | 3609N | 2455-04495 | 00000/0000        | 2-20024/0235          | 04/21/76                   | 0                | 6337                | 52.7            | 122.6        | GGGG         |                                    |                     |                      | 160                   | 35                   |
| 07541E                      | 3143N | 2598-04413 | 00000/0000        | 2-20032/1151          | 09/11/76                   | 10               | 8331                | 48.8            | 124.5        | GGGG         |                                    |                     |                      | 159                   | 38                   |
| 07541E                      | 3139N | 2400-04471 | 00000/0000        | 2-20021/0707          | 02/26/76                   | 10               | 5570                | 36.9            | 133.9        | GGGG         |                                    |                     |                      | 159                   | 38                   |
| 07541E                      | 3137N | 2652-04395 | 00000/0000        | 2-20035/0517          | 11/04/76                   | 0                | 9084                | 34.8            | 143.8        | GGGG         |                                    |                     |                      | 159                   | 38                   |
| 07540E                      | 5844N | 2570-05202 | 00000/0000        | 2-20030/1223          | 08/14/76                   | 30               | 7941                | 41.8            | 146.3        | GGGG         |                                    |                     |                      | 167                   | 19                   |
| 07540E                      | 4025N | 2456-04542 | 00000/0000        | 2-20024/0364          | 04/22/76                   | 30               | 6351                | 51.2            | 128.1        | GGGG         |                                    |                     |                      | 161                   | 32                   |
| 07540E                      | 3140N | 2670-04390 | 00000/0000        | 2-20036/0831          | 11/22/76                   | 10               | 9335                | 30.3            | 146.0        | GGGG         |                                    |                     |                      | 159                   | 38                   |
| 07540E                      | 3138N | 2634-04403 | 00000/0000        | 2-20034/0644          | 10/17/76                   | 0                | 8833                | 39.8            | 139.3        | GGGG         |                                    |                     |                      | 159                   | 38                   |
| 07539E                      | 5846N | 2588-05195 | 00000/0000        | 2-20032/0497          | 09/01/76                   | 80               | 8192                | 36.2            | 149.8        | GGGG         |                                    |                     |                      | 167                   | 19                   |
| 07539E                      | 4428N | 2673-04522 | 00000/0000        | 2-20036/1267          | 11/25/76                   | 0                | 9377                | 19.9            | 152.2        | GGGG         |                                    |                     |                      | 162                   | 29                   |
| 07538E                      | 4022N | 2438-04545 | 00000/0000        | 2-20022/1243          | 04/04/76                   | 60               | 6100                | 45.4            | 132.6        | GGGG         |                                    |                     |                      | 161                   | 32                   |
| 07538E                      | 4022N | 2474-04535 | 00000/0000        | 2-20025/0014          | 05/10/76                   | 30               | 6602                | 55.7            | 122.7        | GGGG         |                                    |                     |                      | 161                   | 32                   |
| 07538E                      | 3607N | 2581-04463 | 00000/0000        | 2-20032/0091          | 08/25/76                   | 30               | 8094                | 50.7            | 121.9        | GGGG         |                                    |                     |                      | 160                   | 35                   |
| 07538E                      | 3605N | 2725-04412 | 00000/0000        | 2-20039/0082          | 01/16/77                   | 20               | 102                 | 23.3            | 142.8        | GGGG         |                                    |                     |                      | 160                   | 35                   |
| 07538E                      | 3602N | 2473-04493 | 00000/0000        | 2-20024/1876          | 05/09/76                   | 10               | 6588                | 56.8            | 116.0        | GGGG         |                                    |                     |                      | 160                   | 35                   |
| 07537E                      | 3606N | 2707-04420 | 00000/0000        | 2-20038/0674          | 12/29/76                   | 30               | 9851                | 22.4            | 145.9        | GGGG         |                                    |                     |                      | 160                   | 35                   |
| 07537E                      | 3603N | 2437-04503 | 00000/0000        | 2-20022/1207          | 04/03/76                   | 0                | 6086                | 47.2            | 128.1        | GGGG         |                                    |                     |                      | 160                   | 35                   |
| 07537E                      | 3603N | 2563-04470 | 00000/0000        | 2-20030/0931          | 08/07/76                   | 10               | 7843                | 54.0            | 114.1        | GGGG         |                                    |                     |                      | 160                   | 35                   |
| 07536E                      | 4022N | 2708-04463 | 00000/0000        | 2-20038/0391          | 12/30/76                   | 20               | 9865                | 19.3            | 147.6        | GGGG         |                                    |                     |                      | 161                   | 32                   |
| 07536E                      | 4016N | 2420-04553 | 00000/0000        | 2-20021/1716          | 03/17/76                   | 90               | 5849                | 38.9            | 136.3        | GGGG         |                                    |                     |                      | 161                   | 32                   |
| 07536E                      | 3601N | 2689-04424 | 00000/0000        | 2-20037/0653          | 12/11/76                   | 30               | 9600                | 23.7            | 147.9        | GGGG         |                                    |                     |                      | 160                   | 35                   |
| 07536E                      | 3555N | 2491-04490 | 00000/0000        | 2-20026/0223          | 05/27/76                   | 30               | 6839                | 59.1            | 109.7        | GGGG         |                                    |                     |                      | 160                   | 35                   |
| 07535E                      | 1435N | 2469-04325 | 00000/0000        | 2-20024/1532          | 05/05/76                   | 0                | 6532                | 56.0            | 82.4         | GGGG         |                                    |                     |                      | 156                   | 50                   |
| 07535E                      | 4022N | 2726-04454 | 00000/0000        | 2-20039/0054          | 01/17/77                   | 70               | 116                 | 20.5            | 144.6        | GGGG         |                                    |                     |                      | 161                   | 32                   |
| 07535E                      | 3558N | 2419-04510 | 00000/0000        | 2-20022/0185          | 03/16/76                   | 100              | 5835                | 40.9            | 132.7        | GGGG         |                                    |                     |                      | 160                   | 35                   |
| 07535E                      | 3557N | 2545-04473 | 00000/0000        | 2-20029/0059          | 07/20/76                   | 20               | 7592                | 56.6            | 108.0        | GGGG         |                                    |                     |                      | 160                   | 35                   |
| 07535E                      | 3554N | 2509-04483 | 00000/0000        | 2-20026/1614          | 06/14/76                   | 10               | 7090                | 59.4            | 105.5        | GGGG         |                                    |                     |                      | 160                   | 35                   |
| 07535E                      | 2602N | 2687-04341 | 00000/0000        | 2-20037/0505          | 12/09/76                   | 0                | 9572                | 31.1            | 143.1        | GGGG         |                                    |                     |                      | 158                   | 42                   |
| 07535E                      | 2601N | 2435-04420 | 00000/0000        | 2-20022/1141          | 04/01/76                   | 10               | 6058                | 50.4            | 116.8        | GGGG         |                                    |                     |                      | 158                   | 42                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0930

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07534E                      | 5837N             | 2606-05192            | 00000/0000           | 2-20034/0299     | 09/19/76            | 100             | 8443         | 30.0         | 153.2                 | GGGG                |                      | 167                   | 19                   |
| 07534E                      | 3600N             | 2599-04460            | 00000/0000           | 2-20032/1093     | 09/12/76            | 70              | 8345         | 46.7         | 129.8                 | GGGG                |                      | 160                   | 35                   |
| 07534E                      | 2602N             | 2723-04325            | 00000/0000           | 2-20038/1397     | 01/14/77            | 20              | 74           | 29.7         | 138.2                 | GGG                 |                      | 153                   | 42                   |
| 07533E                      | 4020N             | 2690-04471            | 00000/0000           | 2-20037/0681     | 12/12/76            | 50              | 9614         | 20.3         | 149.7                 | GGGG                |                      | 161                   | 32                   |
| 07533E                      | 4009N             | 2510-04530            | 00000/0000           | 2-20026/1645     | 06/15/76            | 90              | 7104         | 58.8         | 113.2                 | GGGG                |                      | 161                   | 32                   |
| 07533E                      | 2605N             | 2705-04333            | 00000/0000           | 2-20038/0222     | 12/27/76            | 10              | 9823         | 29.4         | 141.4                 | GGGG                |                      | 158                   | 42                   |
| 07533E                      | 2559N             | 2417-04423            | 00000/0000           | 2-20021/1609     | 03/14/76            | 60              | 5807         | 45.0         | 123.8                 | GGGG                |                      | 158                   | 42                   |
| 07532E                      | 5832N             | 2498-05222            | 00000/0000           | 2-20026/0674     | 06/03/76            | 90              | 6937         | 50.2         | 145.3                 | G                   |                      | 167                   | 19                   |
| 07532E                      | 5332N             | 2552-05205            | 00000/0000           | 2-20030/0259     | 07/27/76            | 30              | 7690         | 46.4         | 143.5                 | GGGG                |                      | 167                   | 19                   |
| 07532E                      | 4017N             | 2618-04495            | 00000/0000           | 2-20034/0205     | 10/01/76            | 10              | 8610         | 38.9         | 141.1                 | GGGG                |                      | 161                   | 32                   |
| 07532E                      | 3559N             | 2671-04433            | 00000/0000           | 2-20036/1180     | 11/23/76            | 0               | 9349         | 26.8         | 148.2                 | GGGG                |                      | 160                   | 35                   |
| 07532E                      | 3554N             | 2653-04441            | 00000/0000           | 2-20035/0542     | 11/05/76            | 0               | 9098         | 31.4         | 146.5                 | GGGG                |                      | 160                   | 35                   |
| 07532E                      | 2557N             | 2669-04350            | 00000/0000           | 2-20036/0528     | 11/21/76            | 100             | 9321         | 34.5         | 142.7                 | PPPP                |                      | 158                   | 42                   |
| 07532E                      | 1429N             | 2685-04261            | 00000/0000           | 2-20036/1829     | 12/07/76            | 10              | 9544         | 39.0         | 136.1                 | FGGG                |                      | 154                   | 50                   |
| 07532E                      | 1429N             | 2703-04253            | 00000/0000           | 2-20038/0147     | 12/25/76            | 0               | 9795         | 36.9         | 135.0                 | FGFG                |                      | 156                   | 50                   |
| 07531E                      | 4015N             | 2672-04480            | 00000/0000           | 2-20037/0178     | 11/24/76            | 0               | 9363         | 23.4         | 150.3                 | GGGG                |                      | 161                   | 32                   |
| 07531E                      | 4013N             | 2654-04484            | 00000/0000           | 2-20036/0020     | 11/08/76            | 20              | 9112         | 28.0         | 149.1                 | GGGG                |                      | 161                   | 32                   |
| 07531E                      | 1429N             | 2721-04244            | 00000/0000           | 2-20038/0987     | 01/12/77            | 0               | 46           | 36.4         | 131.7                 | GGGG                |                      | 158                   | 50                   |
| 07530E                      | 5829N             | 2534-05212            | 00000/0000           | 2-20028/0991     | 07/09/76            | 60              | 7439         | 49.6         | 142.5                 | GGGG                |                      | 167                   | 19                   |
| 07530E                      | 2554N             | 2633-04362            | 00000/0000           | 2-20034/0636     | 10/16/76            | 0               | 8819         | 43.5         | 134.3                 | GGGG                |                      | 158                   | 42                   |
| 07530E                      | 2016N             | 2704-04293            | 00000/0000           | 2-20038/0184     | 12/26/76            | 0               | 9809         | 33.3         | 138.4                 | FFFF                |                      | 157                   | 46                   |
| 07530E                      | 2015N             | 2722-04285            | 00000/0000           | 2-20038/1335     | 01/13/77            | 10              | 60           | 33.2         | 135.1                 | FFGG                |                      | 157                   | 46                   |
| 07530E                      | 1428N             | 2415-04343            | 00000/0000           | 2-20021/1516     | 03/12/76            | 0               | 5779         | 48.1         | 112.1                 | GGGG                |                      | 156                   | 50                   |
| 07529E                      | 3554N             | 2635-04445            | 00000/0000           | 2-20034/0888     | 10/18/76            | 0               | 4847         | 36.6         | 142.8                 | GGGG                |                      | 160                   | 35                   |
| 07529E                      | 2557N             | 2399-04430            | 00000/0000           | 2-20021/0672     | 02/25/76            | 30              | 5556         | 39.6         | 129.7                 | GGGG                |                      | 158                   | 42                   |
| 07529E                      | 2554N             | 2651-04354            | 00000/0000           | 2-20035/0486     | 11/03/76            | 0               | 9070         | 38.9         | 139.8                 | GGGG                |                      | 158                   | 42                   |
| 07529E                      | 2014N             | 2686-04301            | 00000/0000           | 2-20037/0447     | 12/08/76            | 60              | 9558         | 35.2         | 139.8                 | GGGG                |                      | 157                   | 46                   |
| 07529E                      | 2012N             | 2416-04383            | 00000/0000           | 2-20022/0084     | 03/13/76            | 0               | 5793         | 46.8         | 118.1                 | GGGG                |                      | 157                   | 46                   |
| 07528E                      | 4012N             | 2636-04492            | 00000/0000           | 2-20034/1099     | 10/19/76            | 10              | 8861         | 33.4         | 146.0                 | GGGG                |                      | 161                   | 32                   |
| 07528E                      | 1428N             | 2667-04270            | 00000/0000           | 2-20036/0999     | 11/19/76            | 80              | 9293         | 42.3         | 134.5                 | GGGG                |                      | 156                   | 50                   |
| 07528E                      | 1426N             | 2631-04282            | 00000/0000           | 2-20034/0847     | 10/14/76            | 60              | 8791         | 49.5         | 121.8                 | GGGG                |                      | 156                   | 50                   |
| 07527E                      | 5827N             | 2516-05215            | 00000/0000           | 2-20027/0124     | 06/21/76            | 10              | 7188         | 50.9         | 143.2                 | GGGF                |                      | 167                   | 19                   |
| 07527E                      | 3541N             | 2383-04521            | 00000/0000           | 2-20020/1216     | 02/09/76            | 40              | 5333         | 29.5         | 140.5                 | GGGG                |                      | 160                   | 35                   |
| 07527E                      | 2545N             | 2381-04433            | 00000/0000           | 2-20020/1149     | 02/07/76            | 0               | 5305         | 35.1         | 134.7                 | GGGG                |                      | 158                   | 42                   |
| 07527E                      | 2010N             | 2398-04390            | 00000/0000           | 2-20021/0428     | 02/24/76            | 0               | 5542         | 42.0         | 125.1                 | GG G                |                      | 157                   | 46                   |

KEYS: CLOUD COVER % ..... 0 TO 100 \* % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR TMM-15  
FROM 01/22/76 TO 01/12/77

PAGE 0931

| PRINCIPAL POINT<br>OF IMAGE<br>LONG | PRINCIPAL POINT<br>LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REV | REL. TIME<br>IN REL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07527E                              | 2010N                  | 0655-04314        | 00000/0000                   | 2-20035/0446               | 11/02/76         | 0                   | 9056            | 42.7         | 135.1        | GGGG                               |                     |                      | 157                   | 46                   |
| 07527E                              | 1426N                  | 0655-04350        | 00000/0000                   | 2-20021/0492               | 02/23/76         | 0                   | 5528            | 44.1         | 120.2        | GGGG                               |                     |                      | 156                   | 50                   |
| 07527E                              | 1425N                  | 0659-04274        | 00000/0000                   | 2-20035/0402               | 11/01/76         | 10                  | 9042            | 46.1         | 129.7        | GGGG                               |                     |                      | 156                   | 50                   |
| 07526E                              | 0619N                  | 0655-04350        | 00000/0000                   | 2-20020/0998               | 02/05/76         | 10                  | 5277            | 40.8         | 126.9        | FGGG                               |                     |                      | 156                   | 50                   |
| 07525E                              | 4729N                  | 0655-04350        | 00000/0000                   | 2-20030/0124               | 01/19/77         | 40                  | 144             | 15.8         | 147.5        | GGGG                               |                     |                      | 163                   | 27                   |
| 07525E                              | 4727N                  | 0655-04350        | 00000/0000                   | 2-20037/0798               | 12/14/76         | 100                 | 9642            | 14.6         | 152.5        | GGGG                               |                     |                      | 163                   | 27                   |
| 07525E                              | 4727N                  | 0655-04350        | 00000/0000                   | 2-20024/0056               | 04/20/76         | 10                  | 6323            | 54.3         | 114.8        | GGGG                               |                     |                      | 159                   | 39                   |
| 07524E                              | 1062N                  | 0655-04350        | 00000/0000                   | 2-20024/0813               | 04/27/76         | 10                  | 6421            | 43.9         | 146.4        | GGGG                               |                     |                      | 166                   | 21                   |
| 07524E                              | 1062N                  | 0655-04350        | 00000/0000                   | 2-20020/1049               | 02/06/76         | 0                   | 5291            | 38.1         | 131.0        | GGGG                               |                     |                      | 157                   | 46                   |
| 07522E                              | 0615N                  | 0655-04375        | 00000/0000                   | 2-20025/0459               | 05/15/76         | 10                  | 6672            | 48.8         | 144.0        | GGGG                               |                     |                      | 166                   | 21                   |
| 07522E                              | 0615N                  | 0655-04375        | 00000/0000                   | 2-20036/1541               | 11/26/76         | 0                   | 9391            | 17.5         | 153.6        | GGGG                               |                     |                      | 163                   | 27                   |
| 07522E                              | 0615N                  | 0655-04375        | 00000/0000                   | 2-20022/1410               | 04/07/76         | 20                  | 6142            | 40.7         | 142.3        | GGGG                               |                     |                      | 164                   | 25                   |
| 07522E                              | 0615N                  | 0655-04375        | 00000/0000                   | 2-20030/1220               | 08/13/76         | 80                  | 7927            | 43.8         | 142.6        | GGGG                               |                     |                      | 166                   | 21                   |
| 07522E                              | 0615N                  | 0655-04375        | 00000/0000                   | 2-20024/0560               | 04/25/76         | 50                  | 6393            | 46.9         | 139.9        | GGGG                               |                     |                      | 164                   | 25                   |
| 07520E                              | 1062N                  | 0655-04375        | 00000/0000                   | 2-20039/0017               | 01/15/77         | 0                   | 88              | 27.1         | 140.2        | FFGG                               |                     |                      | 159                   | 39                   |
| 07520E                              | 1062N                  | 0655-04375        | 00000/0000                   | 2-20037/0537               | 12/10/76         | 10                  | 9586            | 23.0         | 145.2        | PGGG                               |                     |                      | 159                   | 39                   |
| 07520E                              | 1062N                  | 0655-04375        | 00000/0000                   | 2-20022/1101               | 04/02/76         | 10                  | 6072            | 49.3         | 121.7        | GGGG                               |                     |                      | 159                   | 39                   |
| 07519E                              | 1062N                  | 0655-04375        | 00000/0000                   | 2-20038/0245               | 12/28/76         | 0                   | 9837            | 26.4         | 143.4        | PPPP                               |                     |                      | 159                   | 39                   |
| 07519E                              | 1062N                  | 0655-04375        | 00000/0000                   | 2-20021/1663               | 03/15/76         | 90                  | 5821            | 43.4         | 127.7        | GGGG                               |                     |                      | 159                   | 39                   |
| 07519E                              | 1062N                  | 0655-04375        | 00000/0000                   | 2-20024/0844               | 04/26/76         | 10                  | 6407            | 45.5         | 143.1        | GGGG                               |                     |                      | 165                   | 23                   |
| 07518E                              | 0615N                  | 0655-04375        | 00000/0000                   | 2-20038/0543               | 01/02/77         | 0                   | 9907            | 11.9         | 151.5        | GGGG                               |                     |                      | 164                   | 25                   |
| 07518E                              | 0615N                  | 0655-04375        | 00000/0000                   | 2-20032/0418               | 08/31/76         | 90                  | 8178            | 38.5         | 146.5        | FGGG                               |                     |                      | 166                   | 21                   |
| 07516E                              | 0615N                  | 0655-04375        | 00000/0000                   | 2-20036/1497               | 11/29/76         | 40                  | 9433            | 10.1         | 157.6        | FFGG                               |                     |                      | 164                   | 21                   |
| 07516E                              | 0615N                  | 0655-04375        | 00000/0000                   | 2-20038/0630               | 01/03/77         | 10                  | 9921            | 9.8          | 152.6        | PPPF                               |                     |                      | 165                   | 23                   |
| 07516E                              | 0615N                  | 0655-04375        | 00000/0000                   | 2-20025/0354               | 05/13/76         | 30                  | 6644            | 51.7         | 136.6        | GGGG                               |                     |                      | 164                   | 25                   |
| 07516E                              | 0615N                  | 0655-04375        | 00000/0000                   | 2-20036/0832               | 11/22/76         | 30                  | 9336            | 31.3         | 145.2        | GGGG                               |                     |                      | 169                   | 39                   |
| 07516E                              | 0615N                  | 0655-04375        | 00000/0000                   | 2-20021/0708               | 02/26/76         | 10                  | 5570            | 37.6         | 132.8        | GGFG                               |                     |                      | 159                   | 39                   |
| 07516E                              | 0615N                  | 0655-04375        | 00000/0000                   | 2-20035/0518               | 11/04/76         | 0                   | 9084            | 35.7         | 142.9        | GGGG                               |                     |                      | 159                   | 39                   |
| 07516E                              | 0615N                  | 0655-04375        | 00000/0000                   | 2-20025/0316               | 05/14/76         | 10                  | 6658            | 50.3         | 140.4        | GGGG                               |                     |                      | 165                   | 23                   |
| 07516E                              | 0615N                  | 0655-04375        | 00000/0000                   | 2-20040/0013               | 01/20/77         | 50                  | 158             | 13.9         | 148.7        | FGGG                               |                     |                      | 164                   | 25                   |
| 07516E                              | 0615N                  | 0655-04375        | 00000/0000                   | 2-20037/0903               | 12/15/76         | 10                  | 9656            | 12.3         | 153.7        | FFGG                               |                     |                      | 164                   | 25                   |
| 07516E                              | 0615N                  | 0655-04375        | 00000/0000                   | 2-20024/0236               | 04/21/76         | 0                   | 6337            | 53.2         | 120.6        | GGGG                               |                     |                      | 160                   | 36                   |
| 07516E                              | 0615N                  | 0655-04375        | 00000/0000                   | 2-20034/0645               | 10/17/76         | 0                   | 8833            | 40.7         | 138.2        | GGGG                               |                     |                      | 159                   | 39                   |
| 07514E                              | 5303N                  | 0655-04375        | 00000/0000                   | 2-20026/0612               | 06/02/76         | 10                  | 6923            | 51.8         | 141.3        | F                                  |                     |                      | 166                   | 21                   |
| 07514E                              | 5303N                  | 0655-04375        | 00000/0000                   | 2-20022/1613               | 04/08/76         | 40                  | 6156            | 39.3         | 145.0        | GGGG                               |                     |                      | 165                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0932

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07514E                      | 5304N | 2694-05061        | 00000/0000 2-20037/0975                            | 12/16/76         | 30                  | 9670            | 10.1         | 154.9        |                                    |                     |                      |                       |                      |
| 07514E                      | 5019N | 2567-05054        | 00000/0000 2-20030/1118                            | 08/11/76         | 20                  | 7899            | 47.6         | 135.2        | FGGG                               |                     |                      | 165                   | 23                   |
| 07514E                      | 4313N | 2457-04591        | 00000/0000 2-20024/0438                            | 04/23/76         | 10                  | 6365            | 50.2         | 131.5        | GGGG                               |                     |                      | 164                   | 25                   |
| 07514E                      | 4311N | 2475-04585        | 00000/0000 2-20025/0262                            | 05/11/76         | 10                  | 6616            | 54.8         | 126.8        | GGGF                               |                     |                      | 162                   | 30                   |
| 07513E                      | 5547N | 2551-05160        | 00000/0000 2-20030/0055                            | 07/26/76         | 10                  | 7676            | 48.3         | 139.6        | GGGG                               |                     |                      | 162                   | 30                   |
| 07513E                      | 5307N | 2730-05045        | 00000/0000 2-20039/0904                            | 01/21/77         | 30                  | 172             | 12.1         | 150.0        | GGGG                               |                     |                      | 164                   | 21                   |
| 07513E                      | 5018N | 2535-05051        | 00000/0000 2-20032/0337                            | 08/29/76         | 40                  | 8150            | 42.7         | 140.0        | PPPP                               |                     |                      | 165                   | 23                   |
| 07513E                      | 4314N | 2439-04595        | 00000/0000 2-20027/1341                            | 04/05/76         | 20                  | 6114            | 44.2         | 135.4        | GGGG                               |                     |                      | 164                   | 25                   |
| 07512E                      | 5543N | 2533-05163        | 00000/0000 2-20028/0942                            | 07/08/76         | 50                  | 7425            | 51.3         | 138.3        | GGGG                               |                     |                      | 162                   | 30                   |
| 07512E                      | 5309N | 2586-05100        | 00000/0000 2-20037/0387                            | 08/30/76         | 80                  | 8164            | 40.6         | 143.3        | GGGG                               |                     |                      | 166                   | 21                   |
| 07512E                      | 5305N | 2568-05103        | 00000/0000 2-20030/1180                            | 08/12/76         | 90                  | 7913            | 45.8         | 138.9        | GGGG                               |                     |                      | 165                   | 23                   |
| 07512E                      | 5009N | 2675-05021        | 00000/0000 2-20036/1312                            | 11/27/76         | 0                   | 9405            | 15.0         | 154.8        | GGGG                               |                     |                      | 165                   | 23                   |
| 07512E                      | 4312N | 2709-04512        | 00000/0000 2-20038/0416                            | 12/31/76         | 70                  | 9379            | 17.2         | 148.7        | FGGF                               |                     |                      | 164                   | 25                   |
| 07512E                      | 4436N | 2473-04495        | 00000/0000 2-20024/1877                            | 05/09/76         | 10                  | 6888            | 57.2         | 113.6        | GGGG                               |                     |                      | 162                   | 30                   |
| 07512E                      | 2435N | 2435-04422        | 00000/0000 2-20027/1142                            | 04/01/76         | 10                  | 6058            | 50.8         | 115.0        | GGGG                               |                     |                      | 160                   | 36                   |
| 07512E                      | 2435N | 2687-04344        | 00000/0000 2-20037/0506                            | 12/09/76         | 10                  | 9572            | 32.1         | 142.3        | GGGG                               |                     |                      | 158                   | 43                   |
| 07512E                      | 1303N | 2703-04255        | 00000/0000 2-20038/0148                            | 12/25/76         | 10                  | 9795            | 37.7         | 134.0        | GGGG                               |                     |                      | 158                   | 43                   |
| 07511E                      | 5011N | 2549-05061        | 00000/0000 2-20030/0129                            | 07/24/76         | 70                  | 7648            | 51.6         | 131.3        | FFFG                               |                     |                      | 156                   | 51                   |
| 07511E                      | 5009N | 2531-05064        | 00000/0000 2-20028/0747                            | 07/06/76         | 10                  | 7397            | 54.3         | 129.5        | GGGG                               |                     |                      | 164                   | 25                   |
| 07511E                      | 3859N | 2456-04545        | 00000/0000 2-20024/0365                            | 04/22/76         | 60                  | 6351            | 51.9         | 126.2        | GGGG                               |                     |                      | 164                   | 25                   |
| 07511E                      | 3441N | 2581-04465        | 00000/0000 2-20030/1841                            | 08/25/76         | 30                  | 8094            | 51.2         | 120.0        | GGGG                               |                     |                      | 161                   | 33                   |
| 07511E                      | 3439N | 2725-04414        | 00000/0000 2-20039/0083                            | 01/16/77         | 10                  | 102             | 24.3         | 142.2        | GGGG                               |                     |                      | 160                   | 36                   |
| 07511E                      | 3437N | 2437-04505        | 00000/0000 2-20027/1208                            | 04/03/76         | 0                   | 6086            | 47.8         | 126.5        | GGGG                               |                     |                      | 160                   | 36                   |
| 07511E                      | 3437N | 2563-04473        | 00000/0000 2-20030/0932                            | 08/07/76         | 70                  | 7843            | 54.3         | 112.0        | GGGG                               |                     |                      | 160                   | 36                   |
| 07511E                      | 2438N | 2705-04335        | 00000/0000 2-20038/0223                            | 12/27/76         | 10                  | 9823            | 30.4         | 140.7        | FGGG                               |                     |                      | 160                   | 36                   |
| 07511E                      | 2436N | 2723-04331        | 00000/0000 2-20034/1398                            | 01/14/77         | 10                  | 74              | 30.6         | 137.4        | GGG                                |                     |                      | 158                   | 43                   |
| 07511E                      | 1202N | 2685-04264        | 00000/0000 2-20036/1830                            | 12/07/76         | 10                  | 9544            | 39.9         | 135.1        | GGGG                               |                     |                      | 158                   | 43                   |
| 07510E                      | 5300N | 2676-05070        | 00000/0000 2-20036/1422                            | 11/23/76         | 50                  | 9419            | 12.5         | 156.2        | GGGG                               |                     |                      | 156                   | 51                   |
| 07510E                      | 5259N | 2496-05123        | 00000/0000 2-20026/0648                            | 06/01/76         | 0                   | 6909            | 53.3         | 137.2        | GGGG                               |                     |                      | 165                   | 23                   |
| 07510E                      | 5008N | 2495-05074        | 00000/0000 2-20026/0106                            | 05/31/76         | 0                   | 6895            | 54.7         | 133.0        | GGGG                               |                     |                      | 165                   | 23                   |
| 07510E                      | 5006N | 2513-05071        | 00000/0000 2-20026/1765                            | 06/18/76         | 50                  | 7146            | 55.5         | 130.2        | GGGG                               |                     |                      | 164                   | 25                   |
| 07510E                      | 4313N | 2583-04555        | 00000/0000 2-20032/0193                            | 08/27/76         | 0                   | 8122            | 47.2         | 131.5        | GGGG                               |                     |                      | 164                   | 25                   |
| 07510E                      | 4313N | 2727-04504        | 00000/0000 2-20034/1434                            | 01/18/77         | 60                  | 130             | 18.7         | 145.8        | GGGG                               |                     |                      | 162                   | 30                   |
| 07510E                      | 4309N | 2691-04520        | 00000/0000 2-20037/0755                            | 12/13/76         | 100                 | 9628            | 18.0         | 150.8        | GGGF                               |                     |                      | 162                   | 30                   |
| 07510E                      | 4307N | 2547-04565        | 00000/0000 2-20024/1612                            | 07/22/76         | 0                   | 7620            | 54.7         | 120.2        | GGGG                               |                     |                      | 162                   | 30                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07510E 4305N                            | 2493-0458P        | 00000/0000                   | 2-20026/0403                | 05/29/76         | 0                   | 6867            | 57.4         | 121.8        | FGGG                               |                     |                      | 162                   | 30                   |
| 07510E 3440N                            | 2707-0442P        | 00000/0000                   | 2-20038/0675                | 12/29/76         | 70                  | 9851            | 23.4         | 145.3        | GGGG                               |                     |                      | 160                   | 34                   |
| 07510E 3435N                            | 2689-0443P        | 00000/0000                   | 2-20037/0654                | 12/11/76         | 0                   | 9600            | 24.7         | 147.2        | GGGG                               |                     |                      | 160                   | 36                   |
| 07510E 2433N                            | 2417-0443P        | 00000/0000                   | 2-20021/1610                | 03/14/76         | 50                  | 5807            | 45.6         | 122.3        | GGGG                               |                     |                      | 158                   | 43                   |
| 07510E 1303N                            | 2721-0425P        | 00000/0000                   | 2-20038/0988                | 01/12/77         | 10                  | 46              | 37.2         | 130.7        | FGGG                               |                     |                      | 156                   | 51                   |
| 07509E 5004N                            | 2657-0502P        | 00000/0000                   | 2-20036/0131                | 11/09/76         | 40                  | 9154            | 19.5         | 154.6        | GGGG                               |                     |                      | 164                   | 25                   |
| 07509E 4310N                            | 2565-0456P        | 00000/0000                   | 2-20030/1006                | 08/09/76         | 0                   | 7871            | 51.4         | 125.2        | GGGG                               |                     |                      | 162                   | 30                   |
| 07509E 4304N                            | 2529-0457P        | 00000/0000                   | 2-20028/0658                | 07/04/76         | 10                  | 7369            | 57.1         | 117.7        | GGGG                               |                     |                      | 162                   | 30                   |
| 07509E 3856N                            | 2438-0455P        | 00000/0000                   | 2-20022/1244                | 04/04/76         | 100                 | 6100            | 46.1         | 131.0        | GGGG                               |                     |                      | 161                   | 33                   |
| 07509E 3856N                            | 2474-0454P        | 00000/0000                   | 2-20025/0015                | 05/10/76         | 30                  | 6602            | 56.2         | 120.4        | GGGG                               |                     |                      | 161                   | 33                   |
| 07509E 3430N                            | 2491-0449P        | 00000/0000                   | 2-20026/0224                | 05/27/76         | 10                  | 6839            | 59.2         | 107.1        | GGGG                               |                     |                      | 160                   | 36                   |
| 07509E 3430N                            | 2545-0448P        | 00000/0000                   | 2-20029/0060                | 07/20/76         | 30                  | 7592            | 56.8         | 105.6        | GGGG                               |                     |                      | 160                   | 36                   |
| 07509E 2431N                            | 2669-0435P        | 00000/0000                   | 2-20036/0529                | 11/21/76         | 100                 | 9321            | 35.5         | 141.8        | GGGG                               |                     |                      | 158                   | 43                   |
| 07508E 3432N                            | 2419-0451P        | 00000/0000                   | 2-20022/0186                | 03/16/76         | 100                 | 5835            | 41.7         | 131.4        | FGFG                               |                     |                      | 160                   | 36                   |
| 07508E 3428N                            | 2509-0449P        | 00000/0000                   | 2-20026/1615                | 06/14/76         | 10                  | 7090            | 59.5         | 102.8        | GGGG                               |                     |                      | 160                   | 36                   |
| 07508E 1849N                            | 2704-0429P        | 00000/0000                   | 2-20038/0185                | 12/26/76         | 10                  | 9809            | 34.2         | 137.6        | FFFF                               |                     |                      | 157                   | 47                   |
| 07508E 1849N                            | 2722-0429P        | 00000/0000                   | 2-20038/1336                | 01/13/77         | 0                   | 60              | 34.0         | 134.2        | FF F                               |                     |                      | 157                   | 47                   |
| 07508E 1847N                            | 2686-0430P        | 00000/0000                   | 2-20037/0448                | 12/08/76         | 40                  | 9558            | 36.1         | 138.9        | GGGG                               |                     |                      | 157                   | 47                   |
| 07507E 4304N                            | 2673-0452P        | 00000/0000                   | 2-20036/1263                | 11/25/76         | 0                   | 9377            | 21.0         | 151.6        | GGGG                               |                     |                      | 162                   | 30                   |
| 07507E 3856N                            | 2726-0446P        | 00000/0000                   | 2-20039/0055                | 01/17/77         | 30                  | 116             | 21.5         | 144.0        | GGGG                               |                     |                      | 161                   | 33                   |
| 07507E 3434N                            | 2599-0446P        | 00000/0000                   | 2-20032/1094                | 09/12/76         | 40                  | 8345            | 47.3         | 128.2        | GGGG                               |                     |                      | 160                   | 36                   |
| 07507E 3430N                            | 2365-0452P        | 00000/0000                   | 2-20019/0187                | 01/22/76         | 10                  | 5082            | 26.5         | 143.5        | GGGG                               |                     |                      | 160                   | 36                   |
| 07507E 2428N                            | 2633-0436P        | 00000/0000                   | 2-20034/0637                | 10/16/76         | 0                   | 8819            | 44.3         | 133.0        | FGGG                               |                     |                      | 158                   | 43                   |
| 07507E 1845N                            | 2416-0439P        | 00000/0000                   | 2-20022/0085                | 03/13/76         | 10                  | 5793            | 47.3         | 116.5        | GGGG                               |                     |                      | 157                   | 47                   |
| 07507E 1301N                            | 2667-0427P        | 00000/0000                   | 2-20036/1000                | 11/19/76         | 90                  | 9293            | 43.1         | 133.3        | GGGG                               |                     |                      | 156                   | 51                   |
| 07506E 5256N                            | 2658-0507P        | 00000/0000                   | 2-20036/0170                | 11/10/76         | 10                  | 9168            | 16.9         | 156.2        | GGGG                               |                     |                      | 165                   | 23                   |
| 07506E 5254N                            | 2532-0511P        | 00000/0000                   | 2-20028/0841                | 07/07/76         | 60                  | 7411            | 52.9         | 133.9        | GGGG                               |                     |                      | 165                   | 23                   |
| 07506E 4302N                            | 2655-0453P        | 00000/0000                   | 2-20036/0047                | 11/07/76         | 60                  | 9126            | 25.5         | 150.7        | GGGG                               |                     |                      | 162                   | 30                   |
| 07506E 4301N                            | 2511-0457P        | 00000/0000                   | 2-20026/1562                | 06/16/76         | 40                  | 7118            | 58.1         | 118.3        | GGGF                               |                     |                      | 162                   | 30                   |
| 07506E 3856N                            | 2708-0446P        | 00000/0000                   | 2-20038/0392                | 12/30/76         | 10                  | 9865            | 20.3         | 147.0        | GGGG                               |                     |                      | 161                   | 33                   |
| 07506E 3851N                            | 2420-0455P        | 00000/0000                   | 2-20021/1717                | 03/17/76         | 90                  | 5849            | 39.7         | 135.0        | GGGG                               |                     |                      | 161                   | 33                   |
| 07506E 3428N                            | 2401-0452P        | 00000/0000                   | 2-20021/0758                | 02/27/76         | 10                  | 5584            | 35.6         | 135.7        | GGGG                               |                     |                      | 160                   | 36                   |
| 07506E 2431N                            | 2399-0443P        | 00000/0000                   | 2-20021/0673                | 02/25/76         | 10                  | 5556            | 40.3         | 128.5        | GGGG                               |                     |                      | 158                   | 43                   |
| 07506E 2428N                            | 2651-0436P        | 00000/0000                   | 2-20035/0487                | 11/03/76         | 0                   | 9070            | 39.8         | 138.7        | GGGG                               |                     |                      | 158                   | 43                   |
| 07505E 3433N                            | 2671-0443P        | 00000/0000                   | 2-20036/1181                | 11/23/76         | 20                  | 9349            | 27.9         | 147.5        | GGGG                               |                     |                      | 160                   | 36                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | GRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBV<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV<br>MSS                              |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07505E 3428N                | 2653-04444        | 00000/0000 2-20035/0543                 | 11/05/76         | 0                   | 9098            | 32.5         | 145.7        | GGGG                  |                     |                      | 160                   | 36                   |
| 07505E 1846N                | 2668-04312        | 00000/0000 2-20034/1035                 | 11/20/76         | 90                  | 9307            | 39.5         | 137.9        | GGGG                  |                     |                      | 157                   | 47                   |
| 07505E 1844N                | 2650-04321        | 00000/0000 2-20035/0447                 | 11/02/76         | 0                   | 9056            | 43.5         | 133.9        | GGGG                  |                     |                      | 157                   | 47                   |
| 07504E 5252N                | 2514-05121        | 00000/0000 2-20027/0030                 | 06/19/76         | 30                  | 7160            | 54.1         | 134.6        | GGGG                  |                     |                      | 165                   | 23                   |
| 07504E 3544N                | 2690-04473        | 00000/0000 2-20037/0682                 | 12/12/76         | 50                  | 9614            | 21.4         | 149.1        | FGGG                  |                     |                      | 161                   | 33                   |
| 07504E 3844N                | 2510-04533        | 00000/0000 2-20026/1646                 | 06/15/76         | 90                  | 7104            | 59.1         | 110.6        | GGGG                  |                     |                      | 161                   | 33                   |
| 07504E 2420N                | 2381-04440        | 00000/0000 2-20020/1150                 | 02/07/76         | 0                   | 5305            | 35.9         | 133.8        | GGGG                  |                     |                      | 158                   | 43                   |
| 07503E 4302N                | 2637-04541        | 00000/0000 2-20034/1106                 | 10/20/76         | 90                  | 8875            | 31.0         | 148.0        | GGGG                  |                     |                      | 162                   | 30                   |
| 07503E 3429N                | 2635-04452        | 00000/0000 2-20034/0889                 | 10/18/76         | 0                   | 8847            | 37.6         | 141.8        | GGGG                  |                     |                      | 160                   | 36                   |
| 07502E 3849N                | 2672-04482        | 00000/0000 2-20037/0179                 | 11/24/76         | 0                   | 9363            | 24.5         | 149.6        | GGGG                  |                     |                      | 161                   | 33                   |
| 07502E 3848N                | 2654-04490        | 00000/0000 2-20036/0021                 | 11/06/76         | 40                  | 9112            | 29.0         | 148.3        | FGGG                  |                     |                      | 161                   | 33                   |
| 07502E 1836N                | 2380-04400        | 00000/0000 2-20020/1008                 | 02/06/76         | 0                   | 5291            | 38.8         | 129.9        | GGGG                  |                     |                      | 157                   | 47                   |
| 07501E 3415N                | 2353-04523        | 00000/0000 2-20020/1217                 | 02/09/76         | 20                  | 5333            | 30.4         | 139.6        | GGGG                  |                     |                      | 160                   | 36                   |
| 07501E 2900N                | 2454-04462        | 00000/0000 2-20024/0057                 | 04/20/76         | 10                  | 6323            | 54.6         | 112.7        | GGGG                  |                     |                      | 159                   | 40                   |
| 07459E 3847N                | 2636-04494        | 00000/0000 2-20034/1100                 | 10/19/76         | 10                  | 8861            | 34.4         | 145.0        | GGGG                  |                     |                      | 161                   | 33                   |
| 07456E 2852N                | 2436-04465        | 00000/0000 2-20022/1102                 | 04/02/76         | 10                  | 6072            | 49.8         | 120.0        | GGGG                  |                     |                      | 159                   | 40                   |
| 07455E 2853N                | 2688-04391        | 00000/0000 2-20037/0538                 | 12/10/76         | 10                  | 9586            | 22.0         | 144.5        | FGGG                  |                     |                      | 159                   | 40                   |
| 07455E 2851N                | 2418-04472        | 00000/0000 2-20021/1664                 | 03/15/76         | 50                  | 5821            | 44.1         | 126.3        | GGGG                  |                     |                      | 159                   | 40                   |
| 07454E 2856N                | 2706-04382        | 00000/0000 2-20038/0246                 | 12/28/76         | 0                   | 9837            | 27.4         | 142.7        | PPFP                  |                     |                      | 159                   | 40                   |
| 07451E 2848N                | 2670-04395        | 00000/0000 2-20036/0833                 | 11/22/76         | 60                  | 9335            | 32.3         | 144.4        | FGGG                  |                     |                      | 159                   | 40                   |
| 07451E 2847N                | 2400-04480        | 00000/0000 2-20021/0709                 | 02/26/76         | 0                   | 5570            | 38.4         | 131.7        | GGGG                  |                     |                      | 159                   | 40                   |
| 07451E 2846N                | 2652-04404        | 00000/0000 2-20035/0519                 | 11/04/76         | 0                   | 9084            | 36.7         | 142.0        | GGGG                  |                     |                      | 159                   | 40                   |
| 07451E 1136N                | 2703-04262        | 00000/0000 2-20038/0149                 | 12/25/76         | 20                  | 9795            | 38.6         | 133.0        | FFFF                  |                     |                      | 156                   | 52                   |
| 07450E 4602N                | 2692-04565        | 00000/0000 2-20037/0799                 | 12/14/76         | 100                 | 9642            | 15.7         | 151.9        | GGGG                  |                     |                      | 163                   | 28                   |
| 07450E 1137N                | 2721-04253        | 00000/0000 2-20038/0989                 | 01/12/77         | 30                  | 46              | 38.0         | 129.7        | GGGF                  |                     |                      | 156                   | 52                   |
| 07450E 1136N                | 2685-04270        | 00000/0000 2-20036/1831                 | 12/07/76         | 40                  | 9544            | 40.7         | 134.0        | GGGG                  |                     |                      | 156                   | 52                   |
| 07449E 5723N                | 2462-05234        | 00000/0000 2-20024/0730                 | 04/28/76         | 80                  | 6435            | 43.3         | 147.9        | GGGG                  |                     |                      | 167                   | 20                   |
| 07449E 4603N                | 2728-04553        | 00000/0000 2-20039/0125                 | 01/19/77         | 20                  | 144             | 16.8         | 146.9        | GGGG                  |                     |                      | 163                   | 28                   |
| 07449E 2309N                | 2435-04425        | 00000/0000 2-20022/1143                 | 04/01/76         | 10                  | 6058            | 51.1         | 113.1        | GGGG                  |                     |                      | 158                   | 44                   |
| 07449E 2309N                | 2687-04350        | 00000/0000 2-20037/0507                 | 12/09/76         | 10                  | 9572            | 33.1         | 141.5        | GGG                   |                     |                      | 158                   | 44                   |
| 07449E 2309N                | 2723-04334        | 00000/0000 2-20038/1399                 | 01/14/77         | 30                  | 74              | 31.5         | 136.6        | GGGG                  |                     |                      | 158                   | 44                   |
| 07448E 5715N                | 2480-05231        | 00000/0000 2-20025/0473                 | 05/16/76         | 80                  | 6686            | 48.1         | 145.8        | GGGG                  |                     |                      | 167                   | 20                   |
| 07448E 3316N                | 2455-04504        | 00000/0000 2-20024/0237                 | 04/21/76         | 0                   | 6337            | 53.7         | 118.5        | GGGG                  |                     |                      | 160                   | 37                   |
| 07448E 2311N                | 2705-04342        | 00000/0000 2-20038/0224                 | 12/27/76         | 0                   | 9823            | 31.3         | 139.9        | FGGG                  |                     |                      | 158                   | 44                   |
| 07448E 2307N                | 2417-04432        | 00000/0000 2-20021/1611                 | 03/14/76         | 10                  | 5807            | 46.1         | 120.8        | GGGG                  |                     |                      | 158                   | 44                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07447E                      | 5723N | 2444-05241 | 00000/0000        | 2-20024/0002                 | 04/10/76                    | 10               | 6184                | 37.1            | 149.2        |              | GGGG                               |                     |                      | 167                   | 20                   |
| 07447E                      | 2305N | 2669-04355 | 00000/0000        | 2-20034/0530                 | 11/21/76                    | 100              | 9321                | 36.5            | 140.9        |              | GGGG                               |                     |                      | 158                   | 44                   |
| 07447E                      | 1722N | 2722-04294 | 00000/0000        | 2-20038/1337                 | 01/13/77                    | 0                | 60                  | 34.9            | 133.3        |              | GGGG                               |                     |                      | 157                   | 48                   |
| 07447E                      | 1135N | 2667-04275 | 00000/0000        | 2-20036/1001                 | 11/19/76                    | 80               | 9293                | 43.9            | 132.1        |              | GGGG                               |                     |                      | 156                   | 52                   |
| 07446E                      | 5721N | 2570-05204 | 00000/0000        | 2-20030/1294                 | 08/14/76                    | 10               | 7941                | 42.7            | 144.6        |              | GGG                                |                     |                      | 167                   | 20                   |
| 07446E                      | 3310N | 2473-04502 | 00000/0000        | 2-20024/1878                 | 05/09/76                    | 30               | 6588                | 57.5            | 111.2        |              | GGGG                               |                     |                      | 160                   | 37                   |
| 07446E                      | 1722N | 2704-04302 | 00000/0000        | 2-20038/0186                 | 12/26/76                    | 10               | 9809                | 35.1            | 136.7        |              | FFFF                               |                     |                      | 157                   | 48                   |
| 07446E                      | 1721N | 2686-04310 | 00000/0000        | 2-20037/0449                 | 12/08/76                    | 40               | 9558                | 37.1            | 138.0        |              | GGGG                               |                     |                      | 157                   | 48                   |
| 07446E                      | 1719N | 2416-04392 | 00000/0000        | 2-20022/0086                 | 03/13/76                    | 10               | 5793                | 47.7            | 114.9        |              | GGGG                               |                     |                      | 157                   | 48                   |
| 07445E                      | 5722N | 2588-05201 | 00000/0000        | 2-20032/0498                 | 09/01/76                    | 80               | 8192                | 37.2            | 148.3        |              | GGGG                               |                     |                      | 167                   | 20                   |
| 07445E                      | 3315N | 2581-04472 | 00000/0000        | 2-20030/1842                 | 08/25/76                    | 90               | 8094                | 51.7            | 118.1        |              | GGGG                               |                     |                      | 160                   | 37                   |
| 07445E                      | 3311N | 2563-04475 | 00000/0000        | 2-20030/0933                 | 08/07/76                    | 100              | 7843                | 54.6            | 109.8        |              | GGGG                               |                     |                      | 160                   | 37                   |
| 07444E                      | 3314N | 2707-04425 | 00000/0000        | 2-20038/0676                 | 12/29/76                    | 20               | 9851                | 24.4            | 144.6        |              | GGGG                               |                     |                      | 160                   | 37                   |
| 07444E                      | 3313N | 2725-04421 | 00000/0000        | 2-20039/0084                 | 01/16/77                    | 0                | 102                 | 25.3            | 141.5        |              | GGGG                               |                     |                      | 160                   | 37                   |
| 07444E                      | 3312N | 2437-04512 | 00000/0000        | 2-20022/1209                 | 04/03/76                    | 0                | 6086                | 48.5            | 124.8        |              | GGGG                               |                     |                      | 160                   | 37                   |
| 07444E                      | 2305N | 2399-04435 | 00000/0000        | 2-20021/0674                 | 02/25/76                    | 0                | 5556                | 41.0            | 127.3        |              | GGGF                               |                     |                      | 158                   | 44                   |
| 07444E                      | 2302N | 2633-04371 | 00000/0000        | 2-20034/0638                 | 10/16/76                    | 10               | 8819                | 45.1            | 131.7        |              | PGGG                               |                     |                      | 158                   | 44                   |
| 07444E                      | 2301N | 2651-04363 | 00000/0000        | 2-20035/0488                 | 11/03/76                    | 0                | 9070                | 40.7            | 137.7        |              | GGGG                               |                     |                      | 158                   | 44                   |
| 07444E                      | 1720N | 2668-04315 | 00000/0000        | 2-20036/1036                 | 11/20/76                    | 90               | 9307                | 40.4            | 136.8        |              | GGGG                               |                     |                      | 157                   | 48                   |
| 07444E                      | 1718N | 2398-04395 | 00000/0000        | 2-20021/0408                 | 02/24/76                    | 0                | 5542                | 43.2            | 122.5        |              | GGG                                |                     |                      | 157                   | 48                   |
| 07443E                      | 4146N | 2475-04591 | 00000/0000        | 2-20025/0263                 | 05/11/76                    | 20               | 6616                | 55.3            | 124.6        |              | GGGG                               |                     |                      | 162                   | 31                   |
| 07443E                      | 3734N | 2456-04551 | 00000/0000        | 2-20024/0366                 | 04/22/76                    | 10               | 6351                | 52.5            | 124.2        |              | GGGG                               |                     |                      | 161                   | 34                   |
| 07443E                      | 3310N | 2689-04433 | 00000/0000        | 2-20037/0655                 | 12/11/76                    | 0                | 9600                | 25.8            | 146.5        |              | GGGC                               |                     |                      | 160                   | 37                   |
| 07443E                      | 3304N | 2491-04495 | 00000/0000        | 2-20026/0225                 | 05/27/76                    | 10               | 6839                | 59.4            | 104.4        |              | GGGG                               |                     |                      | 160                   | 37                   |
| 07443E                      | 3302N | 2508-04492 | 00000/0000        | 2-20026/1616                 | 06/14/76                    | 60               | 7090                | 59.5            | 100.2        |              | GGGG                               |                     |                      | 160                   | 37                   |
| 07443E                      | 1718N | 2650-04323 | 00000/0000        | 2-20035/0448                 | 11/02/76                    | 0                | 9056                | 44.3            | 132.7        |              | GGGG                               |                     |                      | 157                   | 48                   |
| 07442E                      | 4145N | 2439-05001 | 00000/0000        | 2-20022/1342                 | 04/05/76                    | 10               | 6114                | 45.0            | 133.9        |              | GGGG                               |                     |                      | 162                   | 31                   |
| 07442E                      | 4148N | 2457-04594 | 00000/0000        | 2-20024/0439                 | 04/23/76                    | 0                | 6365                | 50.9            | 129.6        |              | GGGF                               |                     |                      | 162                   | 31                   |
| 07442E                      | 3306N | 2419-04515 | 00000/0000        | 2-20022/0187                 | 03/16/76                    | 100              | 5835                | 42.4            | 130.1        |              | FGGG                               |                     |                      | 160                   | 37                   |
| 07442E                      | 2253N | 2381-04442 | 00000/0000        | 2-20020/1151                 | 02/07/76                    | 0                | 5305                | 36.7            | 132.7        |              | GGGG                               |                     |                      | 158                   | 44                   |
| 07441E                      | 4857N | 2459-05090 | 00000/0000        | 2-20024/0561                 | 04/25/76                    | 40               | 6393                | 47.7            | 138.2        |              | GGGG                               |                     |                      | 164                   | 26                   |
| 07441E                      | 4147N | 2709-04514 | 00000/0000        | 2-20031/0417                 | 12/31/76                    | 80               | 9879                | 18.2            | 148.1        |              | FGGF                               |                     |                      | 162                   | 31                   |
| 07441E                      | 3730N | 2474-04544 | 00000/0000        | 2-20025/0016                 | 05/10/76                    | 40               | 6602                | 56.6            | 118.1        |              | GGGG                               |                     |                      | 161                   | 34                   |
| 07441E                      | 3307N | 2599-04465 | 00000/0000        | 2-20032/1095                 | 09/12/76                    | 20               | 8345                | 48.0            | 126.6        |              | GGGG                               |                     |                      | 160                   | 37                   |
| 07441E                      | 3304N | 2365-04531 | 00000/0000        | 2-20019/0188                 | 01/22/76                    | 30               | 5082                | 27.5            | 142.8        |              | GGGF                               |                     |                      | 160                   | 37                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07441E 1709N                            | 2380-04402        | 00000/0000                   | 2-20020/1009                | 02/06/76         | 0                   | 5291            | 39.6         | 128.8        | GGGG                               |                     |                      | 157                   | 48                   |
| 07440E 5714N                            | 2606-05194        | 00000/0000                   | 2-20034/0300                | 09/19/76         | 100                 | 8443            | 31.1         | 152.0        | GGGG                               |                     |                      | 167                   | 20                   |
| 07440E 4855N                            | 2711-05010        | 00000/0000                   | 2-20038/0544                | 01/02/77         | 0                   | 9907            | 13.0         | 150.8        | FGGG                               |                     |                      | 164                   | 26                   |
| 07440E 3731N                            | 2438-04554        | 00000/0000                   | 2-20022/1245                | 04/04/76         | 90                  | 6100            | 46.9         | 129.4        | GGGG                               |                     |                      | 161                   | 34                   |
| 07440E 3731N                            | 2564-04522        | 00000/0000                   | 2-20030/0953                | 08/08/76         | 0                   | 7857            | 53.5         | 116.7        | GGG                                |                     |                      | 161                   | 34                   |
| 07440E 3303N                            | 2401-04523        | 00000/0000                   | 2-20021/0759                | 02/27/76         | 10                  | 5584            | 36.4         | 134.7        | GGGG                               |                     |                      | 160                   | 37                   |
| 07439E 5709N                            | 2552-05212        | 00000/0000                   | 2-20030/0260                | 07/27/76         | 40                  | 7690            | 47.2         | 141.6        | GGGG                               |                     |                      | 167                   | 20                   |
| 07439E 4144N                            | 2691-04523        | 00000/0000                   | 2-20037/0756                | 12/13/76         | 90                  | 9628            | 19.1         | 150.2        | GGGG                               |                     |                      | 162                   | 31                   |
| 07439E 3730N                            | 2726-04463        | 00000/0000                   | 2-20039/0056                | 01/17/77         | 20                  | 116             | 22.5         | 143.3        | GGGG                               |                     |                      | 161                   | 34                   |
| 07439E 3724N                            | 2492-04542        | 00000/0000                   | 2-20026/0246                | 05/28/76         | 10                  | 6853            | 58.9         | 112.0        | GGGG                               |                     |                      | 161                   | 34                   |
| 07439E 3308N                            | 2671-04442        | 00000/0000                   | 2-20036/1182                | 11/23/76         | 10                  | 9349            | 29.0         | 146.8        | GGGG                               |                     |                      | 160                   | 37                   |
| 07439E 3302N                            | 2653-04450        | 00000/0000                   | 2-20035/0544                | 11/05/76         | 0                   | 9098            | 33.5         | 144.9        | GGGG                               |                     |                      | 160                   | 37                   |
| 07438E 5708N                            | 2498-05224        | 00000/0000                   | 2-20026/0675                | 06/03/76         | 80                  | 6937            | 51.0         | 143.2        | GGGF                               |                     |                      | 167                   | 20                   |
| 07438E 4147N                            | 2727-04510        | 00000/0000                   | 2-20038/1435                | 01/18/77         | 70                  | 130             | 19.7         | 145.1        | GFFF                               |                     |                      | 162                   | 31                   |
| 07438E 3730N                            | 2708-04472        | 00000/0000                   | 2-20038/0393                | 12/30/76         | 10                  | 9865            | 21.3         | 146.4        | GGFG                               |                     |                      | 161                   | 34                   |
| 07438E 3725N                            | 2420-04562        | 00000/0000                   | 2-20021/1718                | 03/17/76         | 100                 | 5849            | 40.5         | 133.8        | GGGG                               |                     |                      | 161                   | 34                   |
| 07437E 3728N                            | 2690-04480        | 00000/0000                   | 2-20037/0683                | 12/12/76         | 50                  | 9614            | 22.5         | 148.4        | GGGG                               |                     |                      | 161                   | 34                   |
| 07437E 3724N                            | 2546-04525        | 00000/0000                   | 2-20029/0101                | 07/21/76         | 20                  | 7606            | 56.3         | 110.7        | PPFP                               |                     |                      | 161                   | 34                   |
| 07437E 3303N                            | 2635-04454        | 00000/0000                   | 2-20034/0890                | 10/18/76         | 10                  | 8847            | 38.5         | 140.7        | GGGG                               |                     |                      | 160                   | 37                   |
| 07436E 5705N                            | 2534-05215        | 00000/0000                   | 2-20028/0992                | 07/09/76         | 70                  | 7439            | 50.4         | 140.4        | FGGG                               |                     |                      | 167                   | 20                   |
| 07436E 5436N                            | 2461-05184        | 00000/0000                   | 2-20024/0814                | 04/27/76         | 20                  | 6421            | 44.8         | 144.7        | GGGG                               |                     |                      | 164                   | 22                   |
| 07436E 4854N                            | 2567-05060        | 00000/0000                   | 2-20030/1119                | 08/11/76         | 10                  | 7899            | 48.3         | 133.4        | GGFG                               |                     |                      | 164                   | 26                   |
| 07436E 4853N                            | 2729-05002        | 00000/0000                   | 2-20040/0014                | 01/20/77         | 90                  | 158             | 15.0         | 148.0        | GGGG                               |                     |                      | 164                   | 26                   |
| 07436E 4851N                            | 2693-05014        | 00000/0000                   | 2-20037/0904                | 12/15/76         | 0                   | 9656            | 13.4         | 153.1        | GGGG                               |                     |                      | 164                   | 26                   |
| 07436E 4135N                            | 2511-04582        | 00000/0000                   | 2-20026/1563                | 06/16/76         | 50                  | 7118            | 58.5         | 115.7        | GGGG                               |                     |                      | 162                   | 31                   |
| 07435E 5145N                            | 2460-05135        | 00000/0000                   | 2-20024/0845                | 04/26/76         | 10                  | 6407            | 46.3         | 141.4        | GGGG                               |                     |                      | 163                   | 24                   |
| 07435E 4139N                            | 2673-04531        | 00000/0000                   | 2-20036/1269                | 11/25/76         | 0                   | 9377            | 22.1         | 150.9        | GGGG                               |                     |                      | 162                   | 31                   |
| 07435E 3719N                            | 2510-04535        | 00000/0000                   | 2-20024/1647                | 06/15/76         | 70                  | 7104            | 59.3         | 107.9        | GGGG                               |                     |                      | 161                   | 34                   |
| 07435E 3249N                            | 2383-04530        | 00000/0000                   | 2-20020/1218                | 02/09/76         | 10                  | 5333            | 31.3         | 138.8        | FGGG                               |                     |                      | 160                   | 37                   |
| 07434E 5705N                            | 2516-05222        | 00000/0000                   | 2-20027/0125                | 06/21/76         | 10                  | 7188            | 51.8         | 141.0        | GGGG                               |                     |                      | 167                   | 20                   |
| 07434E 5434N                            | 2443-05192        | 00000/0000                   | 2-20022/1884                | 04/09/76         | 20                  | 6170            | 38.7         | 146.4        | GGGG                               |                     |                      | 166                   | 22                   |
| 07434E 5427N                            | 2479-05132        | 00000/0000                   | 2-20025/0460                | 05/15/76         | 20                  | 6672            | 49.7         | 142.1        | GGGG                               |                     |                      | 164                   | 22                   |
| 07434E 3724N                            | 2672-04485        | 00000/0000                   | 2-20037/0130                | 11/24/76         | 0                   | 9363            | 25.6         | 148.9        | GGGG                               |                     |                      | 161                   | 34                   |
| 07434E 3722N                            | 2654-04423        | 00000/0000                   | 2-20036/0022                | 11/06/76         | 90                  | 9112            | 30.1         | 147.5        | GGGG                               |                     |                      | 161                   | 34                   |
| 07433E 5145N                            | 2712-05055        | 00000/0000                   | 2-20038/0631                | 01/03/77         | 0                   | 9921            | 10.9         | 152.0        | FFFF                               |                     |                      | 163                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS-BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07433E 4846N                            | 2549-05064        | 00000/0000                   | 2-20030/0130                | 07/24/76         | 80                  | 7448            | 52.2         | 129.3        | GGGG                               |                     |                      | 164                   | 26                   |
| 07433E 4844N                            | 2675-05023        | 00000/0000                   | 2-20036/1313                | 11/27/76         | 0                   | 9405            | 16.1         | 154.2        | GGGG                               |                     |                      | 164                   | 26                   |
| 07433E 2726N                            | 2436-04472        | 00000/0000                   | 2-20022/1103                | 04/02/76         | 10                  | 6072            | 50.2         | 118.2        | FGGG                               |                     |                      | 159                   | 41                   |
| 07432E 5431N                            | 2569-05155        | 00000/0000                   | 2-20030/1221                | 08/13/76         | 80                  | 7927            | 44.7         | 140.9        | GGGG                               |                     |                      | 166                   | 22                   |
| 07432E 5140N                            | 2478-05132        | 00000/0000                   | 2-20025/0317                | 05/14/76         | 20                  | 6658            | 51.1         | 138.4        | FGGG                               |                     |                      | 163                   | 24                   |
| 07432E 4844N                            | 2531-05071        | 00000/0000                   | 2-20028/0748                | 07/06/76         | 10                  | 7397            | 54.9         | 127.3        | GGGG                               |                     |                      | 164                   | 26                   |
| 07432E 4841N                            | 2613-05074        | 00000/0000                   | 2-20026/1766                | 06/18/76         | 10                  | 7146            | 56.1         | 127.9        | GGGG                               |                     |                      | 164                   | 26                   |
| 07432E 2728N                            | 2724-04380        | 00000/0000                   | 2-20039/0018                | 01/15/77         | 0                   | 88              | 28.9         | 138.7        | GGGG                               |                     |                      | 159                   | 41                   |
| 07432E 2727N                            | 2638-04393        | 00000/0000                   | 2-20037/0539                | 12/10/76         | 10                  | 9586            | 30.0         | 143.8        | FGGG                               |                     |                      | 159                   | 41                   |
| 07431E 5144N                            | 2442-05142        | 00000/0000                   | 2-20022/1614                | 04/08/76         | 50                  | 6156            | 40.2         | 143.6        | GGGG                               |                     |                      | 163                   | 24                   |
| 07431E 5139N                            | 2694-05064        | 00000/0000                   | 2-20037/0976                | 12/16/76         | 20                  | 9670            | 11.2         | 154.2        | GGGG                               |                     |                      | 163                   | 24                   |
| 07431E 4839N                            | 2657-05031        | 00000/0000                   | 2-20036/0132                | 11/09/76         | 20                  | 9154            | 20.6         | 153.8        | GGGG                               |                     |                      | 164                   | 26                   |
| 07431E 3721N                            | 2636-04501        | 00000/0000                   | 2-20034/1101                | 10/19/76         | 10                  | 8861            | 35.4         | 144.1        | GGGG                               |                     |                      | 161                   | 34                   |
| 07431E 2730N                            | 2706-04385        | 00000/0000                   | 2-20038/0247                | 12/28/76         | 10                  | 9837            | 28.4         | 142.0        | PPGG                               |                     |                      | 159                   | 41                   |
| 07431E 2725N                            | 2418-04475        | 00000/0000                   | 2-20021/1665                | 03/15/76         | 10                  | 5821            | 44.7         | 124.9        | GGGG                               |                     |                      | 159                   | 41                   |
| 07430E 5431N                            | 2731-05100        | 00000/0000                   | 2-20039/0169                | 01/22/77         | 20                  | 186             | 11.2         | 150.6        | PGGP                               |                     |                      | 166                   | 22                   |
| 07429E 5431N                            | 2587-05152        | 00000/0000                   | 2-20032/0419                | 08/31/76         | 90                  | 8178            | 39.4         | 145.0        | GGGG                               |                     |                      | 166                   | 22                   |
| 07429E 5423N                            | 2677-05121        | 00000/0000                   | 2-20036/1498                | 11/29/76         | 20                  | 9433            | 11.2         | 156.9        | FGGG                               |                     |                      | 166                   | 22                   |
| 07429E 5144N                            | 2586-05103        | 00000/0000                   | 2-20032/0388                | 05/30/76         | 40                  | 8164            | 41.5         | 141.9        | GGGG                               |                     |                      | 165                   | 24                   |
| 07429E 5142N                            | 2730-05051        | 00000/0000                   | 2-20039/0905                | 01/21/77         | 50                  | 172             | 13.1         | 149.3        | PPPP                               |                     |                      | 165                   | 24                   |
| 07429E 5141N                            | 2568-05110        | 00000/0000                   | 2-20030/1181                | 08/12/76         | 40                  | 7913            | 46.6         | 137.2        | GGGG                               |                     |                      | 165                   | 24                   |
| 07428E 2723N                            | 2670-04402        | 00000/0000                   | 2-20036/0834                | 11/22/76         | 80                  | 9335            | 33.3         | 143.6        | GFFG                               |                     |                      | 159                   | 41                   |
| 07427E 5136N                            | 2676-05072        | 00000/0000                   | 2-20036/1423                | 11/28/76         | 40                  | 9419            | 13.7         | 155.5        | GGGG                               |                     |                      | 163                   | 24                   |
| 07427E 5135N                            | 2496-05130        | 00000/0000                   | 2-20026/0649                | 06/01/76         | 10                  | 6909            | 54.0         | 135.0        | GGGG                               |                     |                      | 163                   | 24                   |
| 07427E 2721N                            | 2400-04482        | 00000/0000                   | 2-20021/0710                | 02/26/76         | 0                   | 5570            | 39.2         | 130.5        | GGGG                               |                     |                      | 159                   | 41                   |
| 07427E 2720N                            | 2634-04414        | 00000/0000                   | 2-20034/0646                | 10/17/76         | 0                   | 8833            | 42.4         | 135.9        | GGGG                               |                     |                      | 159                   | 41                   |
| 07427E 2720N                            | 2652-04410        | 00000/0000                   | 2-20035/0520                | 11/04/76         | 0                   | 9084            | 37.7         | 141.0        | GGGG                               |                     |                      | 159                   | 41                   |
| 07427E 2142N                            | 2435-04431        | 00000/0000                   | 2-20022/1144                | 04/01/76         | 0                   | 6058            | 51.5         | 111.3        | FFFF                               |                     |                      | 158                   | 45                   |
| 07426E 5423N                            | 2551-05162        | 00000/0000                   | 2-20030/0056                | 07/26/76         | 10                  | 7676            | 49.0         | 137.6        | GGGG                               |                     |                      | 166                   | 22                   |
| 07426E 5422N                            | 2497-05175        | 00000/0000                   | 2-20026/0613                | 06/02/76         | 0                   | 6923            | 52.6         | 139.1        | GGGG                               |                     |                      | 166                   | 22                   |
| 07426E 2144N                            | 2705-04344        | 00000/0000                   | 2-20038/0225                | 12/27/76         | 0                   | 9823            | 32.3         | 139.1        | FFGG                               |                     |                      | 158                   | 45                   |
| 07426E 2143N                            | 2637-04352        | 00000/0000                   | 2-20037/0508                | 12/09/76         | 30                  | 9572            | 34.1         | 140.7        | GGGG                               |                     |                      | 158                   | 45                   |
| 07426E 2142N                            | 2723-04340        | 00000/0000                   | 2-20034/1400                | 01/14/77         | 20                  | 74              | 32.4         | 135.8        | GGGG                               |                     |                      | 158                   | 45                   |
| 07426E 1555N                            | 2722-04300        | 00000/0000                   | 2-20038/1338                | 01/13/77         | 0                   | 60              | 35.7         | 132.4        | FGGG                               |                     |                      | 157                   | 49                   |
| 07425E 5419N                            | 2533-05165        | 00000/0000                   | 2-20028/0943                | 07/08/76         | 70                  | 7425            | 52.0         | 136.2        | GGGG                               |                     |                      | 166                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FOR NON-US  
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| PRINCIPAL POINT<br>SF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07425E 2140N                            | 2417-04435        | 00000/0000                   | 2-20021/1612                | 03/14/76         | 10                  | 5807            | 46.6         | 119.2        | GGGP                               |                     |                      | 158                   | 45                   |
| 07425E 2139N                            | 2669-04362        | 00000/0000                   | 2-20036/0531                | 11/21/76         | 90                  | 9321            | 37.4         | 140.0        | GGGG                               |                     |                      | 158                   | 45                   |
| 07425E 1555N                            | 2704-04304        | 00000/0000                   | 2-20038/0187                | 12/26/76         | 10                  | 9809            | 36.0         | 135.8        | FFFF                               |                     |                      | 157                   | 49                   |
| 07424E 5132N                            | 2658-05081        | 00000/0000                   | 2-20036/0171                | 11/10/76         | 10                  | 9168            | 18.0         | 155.4        | GGGG                               |                     |                      | 165                   | 24                   |
| 07424E 5130N                            | 2532-05120        | 00000/0000                   | 2-20028/0842                | 07/07/76         | 30                  | 7411            | 53.6         | 131.8        | GGGG                               |                     |                      | 165                   | 24                   |
| 07424E 1554N                            | 2636-04313        | 00000/0000                   | 2-20037/0450                | 12/08/76         | 20                  | 9558            | 38.0         | 137.1        | GGGG                               |                     |                      | 157                   | 49                   |
| 07423E 3151N                            | 2455-04511        | 00000/0000                   | 2-20024/0238                | 04/21/76         | 0                   | 6337            | 54.1         | 116.5        | GGGG                               |                     |                      | 160                   | 38                   |
| 07423E 1553N                            | 2668-04321        | 00000/0000                   | 2-20036/1037                | 11/20/76         | 70                  | 9307            | 41.2         | 135.8        | GGGG                               |                     |                      | 157                   | 49                   |
| 07422E 5128N                            | 2514-05123        | 00000/0000                   | 2-20027/0031                | 06/19/76         | 60                  | 7160            | 54.8         | 132.4        | GGFG                               |                     |                      | 165                   | 24                   |
| 07422E 2135N                            | 2633-04374        | 00000/0000                   | 2-20034/0854                | 10/16/76         | 10                  | 8819            | 45.8         | 130.3        | GGGG                               |                     |                      | 158                   | 45                   |
| 07422E 2135N                            | 2651-04370        | 00000/0000                   | 2-20035/0489                | 11/03/76         | 0                   | 9070            | 41.6         | 136.5        | GGGG                               |                     |                      | 158                   | 45                   |
| 07422E 1552N                            | 2650-04330        | 00000/0000                   | 2-20035/0449                | 11/02/76         | 10                  | 9056            | 45.1         | 131.4        | GGGG                               |                     |                      | 157                   | 49                   |
| 07421E 2138N                            | 2399-04442        | 00000/0000                   | 2-20021/0675                | 02/25/76         | 0                   | 5556            | 41.6         | 126.1        | GGGG                               |                     |                      | 158                   | 45                   |
| 07421E 1543N                            | 2380-04405        | 00000/0000                   | 2-20020/1010                | 02/06/76         | 0                   | 5291            | 40.3         | 127.6        | GGGG                               |                     |                      | 157                   | 49                   |
| 07420E 2127N                            | 2351-04445        | 00000/0000                   | 2-20020/1152                | 02/07/76         | 0                   | 5305            | 37.5         | 131.7        | GGGG                               |                     |                      | 158                   | 45                   |
| 07419E 3149N                            | 2581-04474        | 00000/0000                   | 2-20030/1843                | 08/25/76         | 80                  | 8094            | 52.1         | 116.1        | GGGG                               |                     |                      | 160                   | 38                   |
| 07419E 3147N                            | 2707-04431        | 00000/0000                   | 2-20038/0677                | 12/29/76         | 0                   | 9851            | 25.4         | 144.0        | GGGG                               |                     |                      | 160                   | 38                   |
| 07419E 3146N                            | 2437-04514        | 00000/0000                   | 2-20022/1210                | 04/03/76         | 0                   | 6086            | 49.0         | 123.1        | GGGG                               |                     |                      | 160                   | 38                   |
| 07419E 3146N                            | 2725-04423        | 00000/0000                   | 2-20039/0085                | 01/16/77         | 0                   | 102             | 26.2         | 140.8        | GGGG                               |                     |                      | 160                   | 38                   |
| 07418E 5844N                            | 2463-05285        | 00000/0000                   | 2-20024/0966                | 04/29/76         | 50                  | 6449            | 42.6         | 149.5        | GGGG                               |                     |                      | 168                   | 19                   |
| 07418E 3144N                            | 2689-04440        | 00000/0000                   | 2-20037/0645                | 12/11/76         | 0                   | 9600            | 26.8         | 145.9        | F GG                               |                     |                      | 160                   | 38                   |
| 07416E 4438N                            | 2728-04555        | 00000/0000                   | 2-20039/0126                | 01/19/77         | 30                  | 144             | 17.8         | 146.2        | GGGG                               |                     |                      | 163                   | 29                   |
| 07416E 4437N                            | 2692-04572        | 00000/0000                   | 2-20037/0800                | 12/14/76         | 100                 | 9642            | 16.0         | 151.3        | FGGG                               |                     |                      | 163                   | 29                   |
| 07416E 3141N                            | 2419-04522        | 00000/0000                   | 2-20022/0188                | 03/16/76         | 90                  | 5835            | 43.1         | 128.7        | FGGG                               |                     |                      | 160                   | 38                   |
| 07415E 3608N                            | 2456-04554        | 00000/0000                   | 2-20024/0367                | 04/22/76         | 10                  | 6351            | 53.0         | 122.2        | GGGG                               |                     |                      | 161                   | 35                   |
| 07415E 3139N                            | 2365-04534        | 00000/0000                   | 2-20019/0189                | 01/22/76         | 70                  | 5082            | 28.5         | 142.0        | GGGP                               |                     |                      | 160                   | 38                   |
| 07414E 5845N                            | 2589-05253        | 00000/0000                   | 2-20032/0528                | 09/02/76         | 90                  | 8206            | 35.9         | 149.9        | GGGG                               |                     |                      | 168                   | 19                   |
| 07414E 3142N                            | 2671-04444        | 00000/0000                   | 2-20036/1183                | 11/23/76         | 10                  | 9349            | 30.0         | 146.0        | FGGG                               |                     |                      | 160                   | 38                   |
| 07414E 3137N                            | 2401-04525        | 00000/0000                   | 2-20021/0760                | 02/27/76         | 0                   | 5584            | 37.2         | 133.6        | GGGG                               |                     |                      | 160                   | 38                   |
| 07414E 3137N                            | 2653-04453        | 00000/0000                   | 2-20035/0545                | 11/05/76         | 0                   | 9098            | 34.5         | 144.0        | GGGG                               |                     |                      | 160                   | 38                   |
| 07413E 4020N                            | 2475-04594        | 00000/0000                   | 2-20025/0264                | 05/11/76         | 20                  | 6616            | 55.9         | 122.3        | GGGG                               |                     |                      | 162                   | 32                   |
| 07413E 3605N                            | 2438-04561        | 00000/0000                   | 2-20022/1246                | 04/04/76         | 100                 | 6100            | 47.5         | 127.8        | GGGG                               |                     |                      | 161                   | 35                   |
| 07413E 3604N                            | 2474-04551        | 00000/0000                   | 2-20025/0017                | 05/10/76         | 10                  | 6602            | 57.0         | 115.7        | GGGF                               |                     |                      | 161                   | 35                   |
| 07412E 4023N                            | 2457-05000        | 00000/0000                   | 2-20024/0440                | 04/23/76         | 0                   | 6365            | 51.6         | 127.8        | GGGF                               |                     |                      | 162                   | 32                   |
| 07412E 3605N                            | 2564-04524        | 00000/0000                   | 2-20030/0954                | 08/08/76         | 10                  | 7857            | 53.9         | 114.6        | FGGG                               |                     |                      | 161                   | 35                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07412E                      | 3137N | 2635-04461 | 00000/0000        | 2-20034/0891                 | 10/18/76                    | 0                | 8847                | 39.5            | 139.7        | GGGG         |                                    |                     | 160                  | 38                    |                      |
| 07411E                      | 3604N | 2726-04470 | 00000/0000        | 2-20039/0057                 | 01/17/77                    | 70               | 116                 | 23.5            | 142.6        | GGGG         |                                    |                     | 161                  | 35                    |                      |
| 07411E                      | 3558N | 2492-04544 | 00000/0000        | 2-20026/0316                 | 05/28/76                    | 10               | 6853                | 59.1            | 109.4        | GGGG         |                                    |                     | 161                  | 35                    |                      |
| 07410E                      | 5841N | 2571-05260 | 00000/0000        | 2-20030/1301                 | 08/15/76                    | 40               | 7955                | 41.5            | 146.5        | FFFF         |                                    |                     | 168                  | 19                    |                      |
| 07410E                      | 4022N | 2709-04521 | 00000/0000        | 2-20038/0418                 | 12/31/76                    | 60               | 9873                | 19.3            | 147.5        | FGGF         |                                    |                     | 162                  | 32                    |                      |
| 07410E                      | 3605N | 2708-04474 | 00000/0000        | 2-20038/0394                 | 12/30/76                    | 10               | 9865                | 22.4            | 145.8        | GGGG         |                                    |                     | 161                  | 35                    |                      |
| 07410E                      | 3602N | 2630-04482 | 00000/0000        | 2-20037/0654                 | 12/12/76                    | 70               | 9614                | 23.5            | 147.8        | GGGG         |                                    |                     | 161                  | 35                    |                      |
| 07410E                      | 3559N | 2420-04564 | 00000/0000        | 2-20021/1719                 | 03/17/76                    | 40               | 5849                | 41.3            | 132.5        | GGGG         |                                    |                     | 161                  | 35                    |                      |
| 07410E                      | 3558N | 2546-04532 | 00000/0000        | 2-20029/0102                 | 07/21/76                    | 40               | 7606                | 56.5            | 108.3        | GGGG         |                                    |                     | 161                  | 35                    |                      |
| 07410E                      | 2600N | 2436-04474 | 00000/0000        | 2-20027/1104                 | 04/02/76                    | 10               | 6072                | 50.7            | 116.4        | GGGG         |                                    |                     | 159                  | 42                    |                      |
| 07408E                      | 4022N | 2727-04513 | 00000/0000        | 2-20038/1436                 | 01/18/77                    | 50               | 130                 | 20.7            | 144.4        | GGGF         |                                    |                     | 162                  | 32                    |                      |
| 07408E                      | 4019N | 2691-04525 | 00000/0000        | 2-20037/0757                 | 12/13/76                    | 60               | 9628                | 20.2            | 149.6        | GGGG         |                                    |                     | 162                  | 32                    |                      |
| 07408E                      | 3554N | 2510-04542 | 00000/0000        | 2-20026/1648                 | 06/15/76                    | 20               | 7104                | 59.4            | 105.3        | GGGG         |                                    |                     | 161                  | 35                    |                      |
| 07408E                      | 2602N | 2724-04383 | 00000/0000        | 2-20039/0019                 | 01/15/77                    | 0                | 88                  | 29.8            | 138.0        | GFFG         |                                    |                     | 159                  | 42                    |                      |
| 07408E                      | 2600N | 2418-04481 | 00000/0000        | 2-20021/1666                 | 03/15/76                    | 10               | 5821                | 45.3            | 123.4        | GGGG         |                                    |                     | 159                  | 42                    |                      |
| 07408E                      | 2600N | 2688-04400 | 00000/0000        | 2-20037/0540                 | 12/10/76                    | 0                | 9586                | 31.0            | 143.0        | FGGG         |                                    |                     | 159                  | 42                    |                      |
| 07406E                      | 4010N | 2511-04584 | 00000/0000        | 2-20026/1564                 | 06/16/76                    | 30               | 7114                | 58.8            | 113.1        | GGGG         |                                    |                     | 162                  | 32                    |                      |
| 07406E                      | 3600N | 2600-04514 | 00000/0000        | 2-20037/1198                 | 09/13/76                    | 60               | 8353                | 46.4            | 130.3        | GGGG         |                                    |                     | 161                  | 35                    |                      |
| 07406E                      | 3558N | 2672-04491 | 00000/0000        | 2-20037/0181                 | 11/24/76                    | 0                | 9383                | 26.6            | 148.2        | GGGG         |                                    |                     | 161                  | 35                    |                      |
| 07406E                      | 3557N | 2654-04495 | 00000/0000        | 2-20036/0023                 | 11/06/76                    | 90               | 9112                | 31.1            | 146.7        | GGGG         |                                    |                     | 161                  | 35                    |                      |
| 07405E                      | 5834N | 2553-05263 | 00000/0000        | 2-20030/0719                 | 07/28/76                    | 40               | 7704                | 46.2            | 143.7        | GGGG         |                                    |                     | 168                  | 19                    |                      |
| 07405E                      | 5830N | 2535-05270 | 00000/0000        | 2-20028/1060                 | 07/10/76                    | 60               | 7453                | 49.4            | 142.5        | GGGG         |                                    |                     | 168                  | 19                    |                      |
| 07405E                      | 4013N | 2673-04534 | 00000/0000        | 2-20036/1270                 | 11/25/76                    | 0                | 9377                | 23.2            | 150.3        | GGGG         |                                    |                     | 162                  | 32                    |                      |
| 07405E                      | 2556N | 2670-04404 | 00000/0000        | 2-20036/0835                 | 11/22/76                    | 90               | 9335                | 34.3            | 142.7        | FFGG         |                                    |                     | 159                  | 42                    |                      |
| 07405E                      | 2018N | 2705-04351 | 00000/0000        | 2-20038/0226                 | 12/27/76                    | 0                | 9823                | 33.2            | 138.3        | FFGG         |                                    |                     | 158                  | 46                    |                      |
| 07405E                      | 1429N | 2722-04303 | 00000/0000        | 2-20038/1339                 | 01/13/77                    | 10               | 60                  | 36.5            | 131.4        | GFFG         |                                    |                     | 157                  | 50                    |                      |
| 07405E                      | 1428N | 2704-04311 | 00000/0000        | 2-20038/0188                 | 12/26/76                    | 10               | 9809                | 36.8            | 134.8        | FFFF         |                                    |                     | 157                  | 50                    |                      |
| 07404E                      | 4730N | 2711-05012 | 00000/0000        | 2-20038/0545                 | 01/02/77                    | 10               | 9907                | 14.0            | 150.2        | GGGG         |                                    |                     | 164                  | 27                    |                      |
| 07404E                      | 3555N | 2636-04509 | 00000/0000        | 2-20034/1102                 | 10/19/76                    | 10               | 8861                | 36.3            | 143.1        | GGGG         |                                    |                     | 161                  | 35                    |                      |
| 07404E                      | 2556N | 2400-04485 | 00000/0000        | 2-20021/0711                 | 02/26/76                    | 0                | 5570                | 39.9            | 129.4        | GGGG         |                                    |                     | 159                  | 42                    |                      |
| 07404E                      | 2554N | 2652-04413 | 00000/0000        | 2-20035/0521                 | 11/04/76                    | 0                | 9084                | 38.6            | 140.0        | GGGG         |                                    |                     | 159                  | 42                    |                      |
| 07404E                      | 2016N | 2687-04355 | 00000/0000        | 2-20037/0509                 | 12/09/76                    | 40               | 9572                | 35.0            | 139.8        | GGGG         |                                    |                     | 158                  | 46                    |                      |
| 07404E                      | 2016N | 2723-04343 | 00000/0000        | 2-20038/1401                 | 01/14/77                    | 10               | 74                  | 33.2            | 134.9        | GFGG         |                                    |                     | 158                  | 46                    |                      |
| 07404E                      | 1428N | 2646-04315 | 00000/0000        | 2-20037/0451                 | 12/08/76                    | 10               | 9558                | 38.9            | 136.1        | GGGG         |                                    |                     | 157                  | 50                    |                      |
| 07403E                      | 2014N | 2417-04441 | 00000/0000        | 2-20021/1613                 | 03/14/76                    | 0                | 5807                | 47.1            | 117.7        | GGGG         |                                    |                     | 158                  | 46                    |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR USN=US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBN<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07402E                      | 5827N             | 2517-05273                              | 00000/0000       | 2-20027/0331        | 06/22/76        | 10           | 7202         | 50.9                  | 143.1               | GGGG                 | 168                   | 19                   |
| 07402E                      | 2013N             | 2669-04364                              | 00000/0000       | 2-20036/0532        | 11/21/76        | 90           | 9321         | 38.4                  | 139.0               | GGGG                 | 158                   | 46                   |
| 07402E                      | 1427N             | 2668-04324                              | 00000/0000       | 2-20036/1038        | 11/20/76        | 60           | 9307         | 42.1                  | 134.6               | FGFF                 | 157                   | 50                   |
| 07400E                      | 2009N             | 2651-04372                              | 00000/0000       | 2-20035/0490        | 11/03/76        | 0            | 9070         | 42.5                  | 135.4               | GGGG                 | 158                   | 46                   |
| 07359E                      | 4728N             | 2729-05004                              | 00000/0000       | 2-20040/0015        | 01/20/77        | 90           | 158          | 16.0                  | 147.4               | GGGG                 | 164                   | 27                   |
| 07359E                      | 4726N             | 2693-05021                              | 00000/0000       | 2-20037/0905        | 12/15/76        | 80           | 9656         | 14.5                  | 152.4               | GGGG                 | 164                   | 27                   |
| 07359E                      | 2012N             | 2399-04444                              | 00000/0000       | 2-20021/0676        | 02/25/76        | 0            | 5556         | 42.3                  | 124.8               | GGGG                 | 158                   | 46                   |
| 07358E                      | 2008N             | 2633-04380                              | 00000/0000       | 2-20034/0855        | 10/16/76        | 10           | 8819         | 46.6                  | 128.9               | GGGG                 | 158                   | 46                   |
| 07358E                      | 5559N             | 2462-05240                              | 00000/0000       | 2-20024/0731        | 04/28/76        | 30           | 6435         | 44.2                  | 146.2               | GGGG                 | 167                   | 21                   |
| 07358E                      | 3024N             | 2455-04513                              | 00000/0000       | 2-20024/0239        | 04/21/76        | 0            | 6337         | 54.5                  | 114.3               | FGGG                 | 160                   | 39                   |
| 07358E                      | 2001N             | 2381-04451                              | 00000/0000       | 2-20020/1153        | 02/07/76        | 0            | 5305         | 38.3                  | 130.7               | GGGG                 | 158                   | 46                   |
| 07357E                      | 5559N             | 2444-05243                              | 00000/0000       | 2-20024/0003        | 04/10/76        | 10           | 6184         | 38.1                  | 147.8               | GGGG                 | 167                   | 21                   |
| 07357E                      | 4719N             | 2675-05030                              | 00000/0000       | 2-20036/1314        | 11/27/76        | 0            | 9405         | 17.3                  | 153.5               | GGGG                 | 164                   | 27                   |
| 07356E                      | 5551N             | 2480-05233                              | 00000/0000       | 2-20025/0474        | 05/16/76        | 20           | 6686         | 49.0                  | 143.9               | FGGG                 | 167                   | 21                   |
| 07355E                      | 4715N             | 2657-05034                              | 00000/0000       | 2-20036/0133        | 11/09/76        | 10           | 9154         | 21.7                  | 153.1               | GGGG                 | 164                   | 27                   |
| 07355E                      | 3023N             | 2581-04481                              | 00000/0000       | 2-20030/1844        | 08/25/76        | 10           | 8094         | 52.4                  | 114.1               | GGGG                 | 160                   | 39                   |
| 07355E                      | 3019N             | 2437-04521                              | 00000/0000       | 2-20027/1211        | 04/03/76        | 0            | 6086         | 49.6                  | 121.4               | GGGG                 | 165                   | 25                   |
| 07354E                      | 5021N             | 2460-05142                              | 00000/0000       | 2-20024/0846        | 04/26/76        | 10           | 6407         | 47.2                  | 139.7               | GGGG                 | 160                   | 39                   |
| 07354E                      | 3021N             | 2707-04433                              | 00000/0000       | 2-20038/0678        | 12/29/76        | 20           | 9851         | 26.4                  | 143.3               | FGGG                 | 160                   | 39                   |
| 07354E                      | 3020N             | 2725-04430                              | 00000/0000       | 2-20039/0086        | 01/16/77        | 0            | 102          | 27.2                  | 140.0               | GGGG                 | 160                   | 39                   |
| 07353E                      | 5559N             | 2588-05204                              | 00000/0000       | 2-20032/0499        | 09/01/76        | 60           | 8192         | 38.1                  | 146.8               | GGGG                 | 167                   | 21                   |
| 07353E                      | 3017N             | 2689-04442                              | 00000/0000       | 2-20037/0656        | 12/11/76        | 0            | 9600         | 27.9                  | 145.2               | GGGG                 | 160                   | 39                   |
| 07352E                      | 5019N             | 2712-05062                              | 00000/0000       | 2-20038/0632        | 01/03/77        | 10           | 9921         | 12.0                  | 151.3               | FFFF                 | 165                   | 25                   |
| 07352E                      | 5016N             | 2478-05135                              | 00000/0000       | 2-20025/0318        | 05/14/76        | 30           | 6658         | 51.9                  | 136.4               | GGGG                 | 165                   | 25                   |
| 07352E                      | 3015N             | 2419-04524                              | 00000/0000       | 2-20022/0189        | 03/16/76        | 90           | 5835         | 43.8                  | 127.4               | FGGG                 | 160                   | 39                   |
| 07351E                      | 5018N             | 2442-05145                              | 00000/0000       | 2-20022/1615        | 04/08/76        | 40           | 6156         | 41.1                  | 142.2               | GGGG                 | 165                   | 25                   |
| 07350E                      | 5312N             | 2461-05191                              | 00000/0000       | 2-20024/0722        | 04/27/76        | 30           | 6421         | 45.7                  | 143.0               | GGGG                 | 166                   | 23                   |
| 07350E                      | 3013N             | 2365-04540                              | 00000/0000       | 2-20019/0190        | 01/22/76        | 10           | 5082         | 29.4                  | 141.3               | GG                   | 160                   | 39                   |
| 07349E                      | 5550N             | 2606-05201                              | 00000/0000       | 2-20034/0301        | 09/19/76        | 90           | 8443         | 32.1                  | 150.7               | GGGG                 | 167                   | 21                   |
| 07349E                      | 5546N             | 2552-05214                              | 00000/0000       | 2-20030/0261        | 07/27/76        | 50           | 7690         | 48.1                  | 139.7               | GGGG                 | 167                   | 21                   |
| 07349E                      | 5546N             | 2678-05173                              | 00000/0000       | 2-20036/1617        | 11/30/76        | 10           | 9447         | 9.9                   | 157.5               | FGGG                 | 166                   | 23                   |
| 07349E                      | 5309N             | 2443-05194                              | 00000/0000       | 2-20022/1885        | 04/09/76        | 10           | 6170         | 39.6                  | 144.9               | GGGG                 | 166                   | 23                   |
| 07349E                      | 5309N             | 2713-05111                              | 00000/0000       | 2-20038/1124        | 01/04/77        | 0            | 9935         | 9.9                   | 152.5               | PGFF                 | 166                   | 23                   |
| 07349E                      | 5303N             | 2479-05184                              | 00000/0000       | 2-20025/0461        | 05/15/76        | 30           | 6672         | 50.5                  | 140.2               | GGGG                 | 166                   | 23                   |
| 07349E                      | 5019N             | 2586-05105                              | 00000/0000       | 2-20032/0389        | 08/30/76        | 10           | 8164         | 42.4                  | 140.4               | GGGG                 | 165                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0941

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MSDF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07349E                      | 5018N             | 2730-05054            | 00000/0000           | 2-20039/0936     | 01/21/77            | 50              | 72           | 14.1         | 143.6                 | PPPP                |                      | 165                   | 25                   |
| 07349E                      | 5016N             | 2568-05117            | 00000/0000           | 2-20030/1182     | 08/12/76            | 70              | 7913         | 47.4         | 135.4                 | GGGG                |                      | 165                   | 25                   |
| 07349E                      | 5015N             | 2694-05070            | 00000/0000           | 2-20037/0977     | 12/16/76            | 70              | 9670         | 12.3         | 153.6                 | GGGG                |                      | 165                   | 25                   |
| 07349E                      | 5016N             | 2671-04451            | 00000/0000           | 2-20036/1184     | 11/23/76            | 10              | 9243         | 31.0         | 145.3                 | GGGG                |                      | 160                   | 39                   |
| 07349E                      | 5011N             | 2401-04532            | 00000/0000           | 2-20021/0761     | 02/27/76            | 0               | 5584         | 38.0         | 132.5                 | GGGG                |                      | 160                   | 39                   |
| 07349E                      | 5011N             | 2653-04455            | 00000/0000           | 2-20035/0546     | 11/05/76            | 0               | 9098         | 35.5         | 143.1                 | GGGG                |                      | 160                   | 39                   |
| 07348E                      | 4315N             | 2458-05050            | 00000/0000           | 2-20024/0401     | 04/24/76            | 90              | 6379         | 50.5         | 131.3                 | GGGG                |                      | 163                   | 30                   |
| 07348E                      | 3441N             | 2456-04560            | 00000/0000           | 2-20024/0368     | 04/22/76            | 10              | 6351         | 53.5         | 120.2                 | GGGG                |                      | 161                   | 36                   |
| 07348E                      | 3011N             | 2635-04463            | 00000/0000           | 2-20034/0892     | 10/18/76            | 0               | 8847         | 40.4         | 138.5                 | GGGG                |                      | 160                   | 39                   |
| 07347E                      | 5545N             | 2498-05231            | 00000/0000           | 2-20026/0676     | 06/03/76            | 50              | 6937         | 51.9         | 141.1                 | GGGF                |                      | 167                   | 21                   |
| 07347E                      | 5307N             | 2569-05161            | 00000/0000           | 2-20030/1222     | 08/13/76            | 30              | 7927         | 45.5         | 139.2                 | GGGG                |                      | 166                   | 23                   |
| 07347E                      | 5011N             | 2676-05075            | 00000/0000           | 2-20036/1424     | 11/28/76            | 40              | 9419         | 14.8         | 154.8                 | FGGG                |                      | 165                   | 25                   |
| 07347E                      | 5010N             | 2496-05132            | 00000/0000           | 2-20026/0650     | 06/01/76            | 10              | 6909         | 54.7         | 132.8                 | FGGG                |                      | 165                   | 25                   |
| 07347E                      | 3438N             | 2474-04553            | 00000/0000           | 2-20025/0018     | 05/10/76            | 10              | 6602         | 57.3         | 113.3                 | GGGG                |                      | 161                   | 36                   |
| 07347E                      | 2434N             | 2436-04441            | 00000/0000           | 2-20022/1105     | 04/02/76            | 10              | 6072         | 51.1         | 114.5                 | GGGG                |                      | 159                   | 43                   |
| 07346E                      | 5542N             | 2534-05221            | 00000/0000           | 2-20026/0993     | 07/09/76            | 90              | 7439         | 51.2         | 138.3                 | FFFG                |                      | 167                   | 21                   |
| 07346E                      | 5307N             | 2695-05115            | 00000/0000           | 2-20030/0023     | 12/17/76            | 70              | 9684         | 9.9          | 154.3                 | GGGG                |                      | 166                   | 23                   |
| 07346E                      | 4314N             | 2710-04570            | 00000/0000           | 2-20030/0440     | 01/01/77            | 90              | 9893         | 17.2         | 148.6                 | FFFF                |                      | 163                   | 30                   |
| 07346E                      | 4308N             | 2476-05043            | 00000/0000           | 2-20024/1656     | 05/12/76            | 20              | 6630         | 55.0         | 126.4                 | FGGG                |                      | 163                   | 30                   |
| 07346E                      | 3439N             | 2438-04563            | 00000/0000           | 2-20022/1247     | 04/04/76            | 100             | 6100         | 48.2         | 126.2                 | GGGG                |                      | 161                   | 36                   |
| 07345E                      | 5307N             | 2731-05103            | 00000/0000           | 2-20039/0170     | 01/22/77            | 40              | 186          | 12.3         | 149.8                 | PGGP                |                      | 166                   | 23                   |
| 07345E                      | 4312N             | 2566-05020            | 00000/0000           | 2-20030/1044     | 08/13/76            | 0               | 7885         | 51.2         | 125.6                 | GGGG                |                      | 163                   | 30                   |
| 07345E                      | 3438N             | 2726-04472            | 00000/0000           | 2-20039/0056     | 01/17/77            | 60              | 116          | 24.4         | 142.0                 | GGGG                |                      | 161                   | 36                   |
| 07345E                      | 3432N             | 2492-04551            | 00000/0000           | 2-20026/0317     | 05/28/76            | 10              | 6853         | 59.3         | 106.8                 | GGGG                |                      | 161                   | 36                   |
| 07345E                      | 2435N             | 2724-04385            | 00000/0000           | 2-20039/0020     | 01/15/77            | 0               | 88           | 30.7         | 137.2                 | GGGG                |                      | 159                   | 43                   |
| 07345E                      | 2434N             | 2418-04484            | 00000/0000           | 2-20021/1667     | 03/15/76            | 10              | 5821         | 45.9         | 121.9                 | GGGG                |                      | 159                   | 43                   |
| 07344E                      | 5541N             | 2618-04402            | 00000/0000           | 2-20037/0541     | 12/10/76            | 10              | 9586         | 32.0         | 142.3                 | FGGG                |                      | 159                   | 43                   |
| 07344E                      | 5300N             | 2516-05224            | 00000/0000           | 2-20027/0126     | 06/21/76            | 40              | 7188         | 52.6         | 138.9                 | GGGF                |                      | 167                   | 21                   |
| 07344E                      | 5300N             | 2677-05124            | 00000/0000           | 2-20036/1499     | 11/29/76            | 10              | 9433         | 12.4         | 156.1                 | FGGG                |                      | 166                   | 23                   |
| 07344E                      | 5008N             | 2658-05053            | 00000/0000           | 2-20036/0172     | 11/13/76            | 40              | 9168         | 19.1         | 154.7                 | GGGG                |                      | 165                   | 25                   |
| 07344E                      | 5006N             | 2532-05123            | 00000/0000           | 2-20028/0843     | 07/07/76            | 10              | 7411         | 54.2         | 129.5                 | GGGG                |                      | 165                   | 25                   |
| 07344E                      | 4305N             | 2548-05024            | 00000/0000           | 2-20030/0019     | 07/23/76            | 20              | 7634         | 54.6         | 120.4                 | GGGG                |                      | 163                   | 30                   |
| 07344E                      | 3855N             | 2475-05000            | 00000/0000           | 2-20025/0265     | 05/11/76            | 10              | 6616         | 56.4         | 120.0                 | GGGG                |                      | 162                   | 33                   |
| 07344E                      | 3432N             | 2546-04534            | 00000/0000           | 2-20029/0103     | 07/21/76            | 90              | 7606         | 56.6         | 106.0                 | GGGG                |                      | 161                   | 36                   |
| 07344E                      | 1302N             | 2704-04313            | 00000/0000           | 2-20038/0189     | 12/26/76            | 10              | 9809         | 37.7         | 133.9                 | FFFF                |                      | 157                   | 51                   |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MADE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0942

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07343E 5307N                            | 2587-05154        | 00000/0000                   | 2-20032/0420                | 08/31/76         | 70                  | 8178            | 40.3         | 143.6        | GGGG                               |                     |                      | 166                   | 23                   |
| 07343E 4312N                            | 2692-04574        | 00000/0000                   | 2-20037/0801                | 12/14/76         | 70                  | 9642            | 17.9         | 150.7        | GGGG                               |                     |                      | 163                   | 30                   |
| 07343E 4312N                            | 2728-04562        | 00000/0000                   | 2-20039/0127                | 01/19/77         | 50                  | 144             | 18.8         | 145.6        | FGGG                               |                     |                      | 163                   | 30                   |
| 07343E 3857N                            | 2457-05003        | 00000/0000                   | 2-20024/0441                | 04/23/76         | 10                  | 6365            | 52.2         | 125.8        | GGGG                               |                     |                      | 162                   | 33                   |
| 07343E 3438N                            | 2708-04441        | 00000/0000                   | 2-20038/0395                | 12/30/76         | 10                  | 9865            | 23.4         | 145.1        | GGGG                               |                     |                      | 161                   | 36                   |
| 07343E 3437N                            | 2690-04485        | 00000/0000                   | 2-20037/0685                | 12/12/76         | 30                  | 9614            | 24.6         | 147.2        | GGGG                               |                     |                      | 161                   | 36                   |
| 07343E 3433N                            | 2420-04571        | 00000/0000                   | 2-20021/1720                | 03/17/76         | 20                  | 5849            | 42.0         | 131.2        | GGGG                               |                     |                      | 161                   | 36                   |
| 07343E 1852N                            | 2705-04353        | 00000/0000                   | 2-20038/0227                | 12/27/76         | 0                   | 9823            | 34.1         | 137.4        | FFFF                               |                     |                      | 158                   | 47                   |
| 07343E 1849N                            | 2687-04362        | 00000/0000                   | 2-20037/0510                | 12/09/76         | 30                  | 9572            | 36.0         | 138.9        | GGGG                               |                     |                      | 158                   | 47                   |
| 07343E 1849N                            | 2723-04345        | 00000/0000                   | 2-20038/1402                | 01/14/77         | 10                  | 74              | 34.1         | 134.0        | FFFF                               |                     |                      | 158                   | 47                   |
| 07343E 1302N                            | 2686-04322        | 00000/0000                   | 2-20037/0452                | 12/08/76         | 10                  | 9558            | 39.7         | 135.1        | GGGG                               |                     |                      | 157                   | 51                   |
| 07342E 5258N                            | 2497-05182        | 00000/0000                   | 2-20026/0614                | 06/02/76         | 10                  | 6923            | 53.4         | 137.0        | GGGG                               |                     |                      | 166                   | 23                   |
| 07342E 5004N                            | 2514-05130        | 00000/0000                   | 2-20027/0032                | 06/19/76         | 90                  | 7160            | 55.5         | 130.1        | GGGG                               |                     |                      | 165                   | 25                   |
| 07342E 3428N                            | 2510-04544        | 00000/0000                   | 2-20026/1649                | 06/15/76         | 30                  | 7104            | 59.5         | 102.6        | GGGG                               |                     |                      | 161                   | 36                   |
| 07342E 2430N                            | 2670-04411        | 00000/0000                   | 2-20036/0836                | 11/22/76         | 90                  | 9335            | 35.3         | 141.9        | FFGG                               |                     |                      | 159                   | 43                   |
| 07342E 1301N                            | 2668-04330        | 00000/0000                   | 2-20036/1039                | 11/20/76         | 90                  | 9307            | 42.9         | 133.5        | GGGG                               |                     |                      | 157                   | 51                   |
| 07341E 5259N                            | 2551-05165        | 00000/0000                   | 2-20030/0057                | 07/26/76         | 30                  | 7676            | 49.8         | 135.7        | GGGG                               |                     |                      | 166                   | 23                   |
| 07341E 5256N                            | 2533-05172        | 00000/0000                   | 2-20028/0944                | 07/08/76         | 60                  | 7425            | 52.8         | 134.0        | GGGG                               |                     |                      | 166                   | 23                   |
| 07341E 3430N                            | 2402-04574        | 00000/0000                   | 2-20021/0806                | 02/28/76         | 10                  | 5598            | 35.9         | 135.5        | GGGG                               |                     |                      | 161                   | 36                   |
| 07341E 2429N                            | 2400-04491        | 00000/0000                   | 2-20021/0712                | 02/26/76         | 10                  | 5570            | 40.6         | 128.2        | FFGG                               |                     |                      | 159                   | 43                   |
| 07341E 2428N                            | 2634-04423        | 00000/0000                   | 2-20034/0647                | 10/17/76         | 0                   | 8833            | 44.1         | 133.4        | GGGG                               |                     |                      | 159                   | 43                   |
| 07341E 2428N                            | 2652-04415        | 00000/0000                   | 2-20035/0522                | 11/04/76         | 0                   | 9084            | 39.6         | 139.0        | GGGG                               |                     |                      | 159                   | 43                   |
| 07341E 1847N                            | 2417-04444        | 00000/0000                   | 2-20021/1614                | 03/14/76         | 0                   | 5807            | 47.5         | 116.1        | GGGG                               |                     |                      | 158                   | 47                   |
| 07340E 4302N                            | 2530-05031        | 00000/0000                   | 2-20028/0705                | 07/05/76         | 10                  | 7383            | 57.0         | 117.7        | GGGG                               |                     |                      | 163                   | 30                   |
| 07340E 4302N                            | 2656-04591        | 00000/0000                   | 2-20036/0223                | 11/08/76         | 10                  | 9140            | 25.3         | 150.8        | GGGG                               |                     |                      | 163                   | 30                   |
| 07340E 4259N                            | 2512-05034        | 00000/0000                   | 2-20027/0084                | 06/17/76         | 10                  | 7132            | 58.1         | 118.1        | GGGG                               |                     |                      | 163                   | 30                   |
| 07340E 3432N                            | 2672-04494        | 00000/0000                   | 2-20037/0182                | 11/24/76         | 0                   | 9343            | 27.7         | 147.5        | GGGG                               |                     |                      | 161                   | 36                   |
| 07340E 3431N                            | 2654-04502        | 00000/0000                   | 2-20036/0024                | 11/06/76         | 90                  | 9112            | 32.2         | 145.9        | GGGG                               |                     |                      | 161                   | 36                   |
| 07340E 3430N                            | 2366-04583        | 00000/0000                   | 2-20020/0339                | 01/23/76         | 90                  | 5096            | 26.7         | 143.3        | GGGG                               |                     |                      | 161                   | 36                   |
| 07340E 1846N                            | 2669-04371        | 00000/0000                   | 2-20036/0533                | 11/21/76         | 100                 | 9321            | 39.3         | 133.0        | GGGG                               |                     |                      | 158                   | 47                   |
| 07339E 4301N                            | 2638-04595        | 00000/0000                   | 2-20034/0927                | 10/21/76         | 30                  | 8885            | 30.7         | 148.2        | GGGG                               |                     |                      | 163                   | 30                   |
| 07339E 3855N                            | 2727-04515        | 00000/0000                   | 2-20038/1437                | 01/13/77         | 60                  | 130             | 21.7         | 143.8        | FFFF                               |                     |                      | 162                   | 33                   |
| 07339E 3853N                            | 2691-04532        | 00000/0000                   | 2-20037/0758                | 12/13/76         | 20                  | 9628            | 21.3         | 149.0        | GGGG                               |                     |                      | 162                   | 33                   |
| 07339E 3435N                            | 2600-04521        | 00000/0000                   | 2-20032/1199                | 09/13/76         | 30                  | 8359            | 47.1         | 128.7        | GGGG                               |                     |                      | 161                   | 36                   |
| 07338E 5255N                            | 2659-05132        | 00000/0000                   | 2-20036/0312                | 11/11/76         | 0                   | 9182            | 16.6         | 156.2        | GGGG                               |                     |                      | 166                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 (BLANK)=COMPRESSED, L=LINEAR  
 MSS DATA MODE.....  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US  
FROM 01/22/76 TO 01/22/77

PAGE 0443

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM       |              | ROLL NO./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------|--------------|--------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | POSITION<br>RBV |              |                                      |                  |                     |                 |              |              |                                    |                     |                      |                       |                      |
| 07338E                      | 3844N | 2511-04591        | 00000/0000      | 2-20026/1565 | 06/16/76                             | 10               | 7118                | 59.1            | 110.5        | GGGG         |                                    |                     |                      | 162                   | 33                   |
| 07338E                      | 3429N | 2636-04510        | 00000/0000      | 2-20034/1103 | 10/19/76                             | 10               | 8861                | 37.3            | 142.1        | GGGG         |                                    |                     |                      | 161                   | 36                   |
| 07338E                      | 1845N | 2399-04451        | 00000/0000      | 2-20021/0677 | 02/25/76                             | 0                | 5556                | 42.9            | 123.5        | GG G         |                                    |                     |                      | 158                   | 47                   |
| 07338E                      | 1843N | 2651-04375        | 00000/0000      | 2-20035/0491 | 11/03/76                             | 0                | 9070                | 43.3            | 134.2        | GGGG         |                                    |                     |                      | 158                   | 47                   |
| 07338E                      | 1842N | 2633-04383        | 00000/0000      | 2-20034/0856 | 10/16/76                             | 10               | 8819                | 47.3            | 127.4        | FFGG         |                                    |                     |                      | 158                   | 47                   |
| 07336E                      | 3848N | 2673-04540        | 00000/0000      | 2-20036/1271 | 11/25/76                             | 0                | 9377                | 24.3            | 149.6        | GGGG         |                                    |                     |                      | 162                   | 33                   |
| 07336E                      | 1835N | 2381-04454        | 00000/0000      | 2-20020/1154 | 02/07/76                             | 0                | 5305                | 39.0            | 129.6        | GGGG         |                                    |                     |                      | 158                   | 47                   |
| 07336E                      | 3414N | 2384-04581        | 00000/0000      | 2-20020/1261 | 02/10/76                             | 0                | 5347                | 30.7            | 139.4        | GGGG         |                                    |                     |                      | 161                   | 36                   |
| 07331E                      | 2853N | 2437-04523        | 00000/0000      | 2-20022/1212 | 04/03/76                             | 0                | 6086                | 50.1            | 119.6        | GGGG         |                                    |                     |                      | 160                   | 40                   |
| 07330E                      | 2856N | 2581-04483        | 00000/0000      | 2-20030/1845 | 08/25/76                             | 0                | 8094                | 52.8            | 112.1        | GGGG         |                                    |                     |                      | 160                   | 40                   |
| 07330E                      | 2855N | 2707-04440        | 00000/0000      | 2-20038/0679 | 12/29/76                             | 50               | 9851                | 27.4            | 142.6        | FFGG         |                                    |                     |                      | 160                   | 40                   |
| 07329E                      | 2854N | 2725-04432        | 00000/0000      | 2-20039/0087 | 01/16/77                             | 0                | 102                 | 28.1            | 139.3        | GGGG         |                                    |                     |                      | 160                   | 40                   |
| 07329E                      | 2851N | 2689-04445        | 00000/0000      | 2-20037/0657 | 12/11/76                             | 0                | 9600                | 28.9            | 144.5        | GGGG         |                                    |                     |                      | 160                   | 40                   |
| 07328E                      | 4605N | 2711-05015        | 00000/0000      | 2-20038/0546 | 01/02/77                             | 40               | 9907                | 15.1            | 149.6        | GGGG         |                                    |                     |                      | 164                   | 28                   |
| 07327E                      | 2849N | 2419-04531        | 00000/0000      | 2-20027/0190 | 03/16/76                             | 50               | 5835                | 44.4            | 125.9        | FFGG         |                                    |                     |                      | 160                   | 40                   |
| 07326E                      | 2851N | 2671-04453        | 00000/0000      | 2-20036/1185 | 11/23/76                             | 10               | 9349                | 32.1            | 144.5        | FFGG         |                                    |                     |                      | 160                   | 40                   |
| 07326E                      | 2847N | 2365-04543        | 00000/0000      | 2-20019/0191 | 01/22/76                             | 10               | 5082                | 30.4            | 140.5        | GGG          |                                    |                     |                      | 160                   | 40                   |
| 07325E                      | 2845N | 2401-04534        | 00000/0000      | 2-20021/0762 | 02/27/76                             | 0                | 5584                | 38.7            | 131.4        | GGGG         |                                    |                     |                      | 160                   | 40                   |
| 07324E                      | 4603N | 2729-05011        | 00000/0000      | 2-20040/0016 | 01/20/77                             | 50               | 158                 | 17.0            | 146.7        | GGGG         |                                    |                     |                      | 164                   | 28                   |
| 07324E                      | 4601N | 2693-05023        | 00000/0000      | 2-20037/0906 | 12/15/76                             | 100              | 9656                | 15.6            | 151.8        | GGGG         |                                    |                     |                      | 164                   | 28                   |
| 07324E                      | 2845N | 2635-04470        | 00000/0000      | 2-20034/0893 | 10/18/76                             | 0                | 8847                | 41.3            | 137.4        | GGGG         |                                    |                     |                      | 160                   | 40                   |
| 07324E                      | 2845N | 2653-04462        | 00000/0000      | 2-20035/0547 | 11/05/76                             | 0                | 9098                | 36.5            | 142.2        | GGGG         |                                    |                     |                      | 160                   | 40                   |
| 07324E                      | 2307N | 2436-04483        | 00000/0000      | 2-20027/1106 | 04/02/76                             | 10               | 6072                | 51.4            | 112.6        | FFGG         |                                    |                     |                      | 159                   | 44                   |
| 07323E                      | 5721N | 2463-05292        | 00000/0000      | 2-20024/0967 | 04/29/76                             | 70               | 6449                | 43.6            | 147.8        | GGFF         |                                    |                     |                      | 168                   | 20                   |
| 07323E                      | 3315N | 2456-04563        | 00000/0000      | 2-20024/0369 | 04/22/76                             | 20               | 6351                | 54.0            | 118.1        | GGGG         |                                    |                     |                      | 161                   | 37                   |
| 07323E                      | 2307N | 2688-04405        | 00000/0000      | 2-20037/0542 | 12/10/76                             | 10               | 9586                | 33.0            | 141.5        | FFGG         |                                    |                     |                      | 159                   | 44                   |
| 07322E                      | 4555N | 2675-05032        | 00000/0000      | 2-20036/1315 | 11/27/76                             | 10               | 9405                | 18.4            | 152.9        | GGGG         |                                    |                     |                      | 164                   | 28                   |
| 07322E                      | 2310N | 2706-04400        | 00000/0000      | 2-20038/0248 | 12/28/76                             | 10               | 9837                | 31.3            | 139.8        | FFGG         |                                    |                     |                      | 159                   | 44                   |
| 07322E                      | 2309N | 2724-04392        | 00000/0000      | 2-20039/0021 | 01/15/77                             | 10               | 88                  | 31.6            | 136.4        | GGFF         |                                    |                     |                      | 159                   | 44                   |
| 07322E                      | 2307N | 2418-04430        | 00000/0000      | 2-20021/1668 | 03/15/76                             | 10               | 5821                | 46.4            | 120.4        | FFGG         |                                    |                     |                      | 159                   | 44                   |
| 07322E                      | 1724N | 2705-04360        | 00000/0000      | 2-20038/0341 | 12/27/76                             | 20               | 9823                | 35.0            | 136.6        | F            |                                    |                     |                      | 158                   | 48                   |
| 07322E                      | 1723N | 2687-04364        | 00000/0000      | 2-20037/0578 | 12/09/76                             | 50               | 9572                | 36.9            | 138.0        | GGG          |                                    |                     |                      | 158                   | 48                   |
| 07322E                      | 1723N | 2723-04352        | 00000/0000      | 2-20038/1354 | 01/14/77                             | 10               | 74                  | 34.9            | 133.1        | GGGG         |                                    |                     |                      | 158                   | 48                   |
| 07321E                      | 3312N | 2474-04560        | 00000/0000      | 2-20025/0019 | 05/10/76                             | 0                | 6602                | 57.6            | 110.9        | GGGG         |                                    |                     |                      | 161                   | 37                   |
| 07320E                      | 4550N | 2657-05040        | 00000/0000      | 2-20036/0134 | 11/09/76                             | 20               | 9154                | 22.8            | 152.4        | GGGG         |                                    |                     |                      | 164                   | 28                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07320E 3313N                            | 2438-04570        | 00000/0000                   | 2-20022/1248                | 04/04/76         | 100                 | 6100            | 48.8         | 124.5        | GGGG                               |                     |                      | 161                   | 37                   |
| 07320E 1720N                            | 2417-04450        | 00000/0000                   | 2-20021/1615                | 03/14/76         | 10                  | 5807            | 47.9         | 114.5        | GGGG                               |                     |                      | 158                   | 48                   |
| 07319E 5721N                            | 2589-05255        | 00000/0000                   | 2-20032/0529                | 09/02/76         | 90                  | 8206            | 36.8         | 148.5        | GGGG                               |                     |                      | 168                   | 20                   |
| 07319E 3307N                            | 2432-04553        | 00000/0000                   | 2-20026/0318                | 05/28/76         | 0                   | 6853            | 59.4         | 104.2        | GGGG                               |                     |                      | 161                   | 37                   |
| 07319E 2303N                            | 2670-04413        | 00000/0000                   | 2-20036/0837                | 11/22/76         | 90                  | 9335            | 36.3         | 141.0        | FGGG                               |                     |                      | 159                   | 44                   |
| 07319E 1719N                            | 2669-04373        | 00000/0000                   | 2-20036/0534                | 11/21/76         | 60                  | 9321            | 40.2         | 137.0        | GGGG                               |                     |                      | 158                   | 48                   |
| 07318E 4150N                            | 2440-05055        | 00000/0000                   | 2-20023/0048                | 04/06/76         | 0                   | 6128            | 45.4         | 133.7        | FGGG                               |                     |                      | 163                   | 31                   |
| 07318E 2303N                            | 2400-04494        | 00000/0000                   | 2-20021/0713                | 02/26/76         | 10                  | 5570            | 41.3         | 126.9        | GGGG                               |                     |                      | 159                   | 44                   |
| 07318E 2302N                            | 2652-04422        | 00000/0000                   | 2-20035/0523                | 11/30/76         | 0                   | 9084            | 40.5         | 137.9        | GGGG                               |                     |                      | 159                   | 44                   |
| 07318E 2301N                            | 2634-04430        | 00000/0000                   | 2-20034/0640                | 10/17/76         | 0                   | 8833            | 44.8         | 132.1        | GGGG                               |                     |                      | 159                   | 44                   |
| 07317E 4150N                            | 2458-05052        | 00000/0000                   | 2-20024/0402                | 04/24/76         | 90                  | 6379            | 51.2         | 129.4        | GGGG                               |                     |                      | 163                   | 31                   |
| 07317E 3308N                            | 2420-04573        | 00000/0000                   | 2-20021/1721                | 03/17/76         | 10                  | 5849            | 42.7         | 129.8        | GGGG                               |                     |                      | 161                   | 37                   |
| 07317E 1719N                            | 2399-04453        | 00000/0000                   | 2-20021/0678                | 02/25/76         | 10                  | 5556            | 43.5         | 122.1        | GGGG                               |                     |                      | 158                   | 48                   |
| 07317E 1717N                            | 2651-04381        | 00000/0000                   | 2-20035/0492                | 11/03/76         | 0                   | 9070            | 44.1         | 133.0        | GGGG                               |                     |                      | 158                   | 48                   |
| 07317E 1716N                            | 2633-04385        | 00000/0000                   | 2-20034/0857                | 10/16/76         | 0                   | 8819            | 47.9         | 125.9        | GGGG                               |                     |                      | 158                   | 48                   |
| 07317E 0711S                            | 2629-04231        | 00000/0000                   | 2-20034/0792                | 10/12/76         | 40                  | 8763            | 52.9         | 92.8         | GGGG                               |                     |                      | 154                   | 65                   |
| 07316E 5719N                            | 2571-05262        | 00000/0000                   | 2-20030/1302                | 08/15/76         | 40                  | 7995            | 42.4         | 144.7        | FFFF                               |                     |                      | 168                   | 20                   |
| 07316E 3729N                            | 2475-05003        | 00000/0000                   | 2-20025/0266                | 05/11/76         | 10                  | 6616            | 56.8         | 117.7        | GGGG                               |                     |                      | 162                   | 34                   |
| 07316E 3302N                            | 2510-04551        | 00000/0000                   | 2-20026/1650                | 06/15/76         | 30                  | 7104            | 59.5         | 100.0        | GGGG                               |                     |                      | 161                   | 37                   |
| 07315E 4856N                            | 2460-05144        | 00000/0000                   | 2-20024/0847                | 04/26/76         | 10                  | 6407            | 48.0         | 132.0        | GGGG                               |                     |                      | 165                   | 26                   |
| 07315E 4149N                            | 2710-04572        | 00000/0000                   | 2-20038/0441                | 01/01/77         | 80                  | 9893            | 18.2         | 147.9        | FGGG                               |                     |                      | 163                   | 31                   |
| 07315E 4143N                            | 2476-05045        | 00000/0000                   | 2-20024/1657                | 05/12/76         | 10                  | 6630            | 55.5         | 124.2        | GGGG                               |                     |                      | 163                   | 31                   |
| 07315E 3305N                            | 2402-04581        | 00000/0000                   | 2-20021/0807                | 02/28/76         | 0                   | 5593            | 36.7         | 134.5        | GGGG                               |                     |                      | 161                   | 37                   |
| 07315E 1709N                            | 2381-04460        | 00000/0000                   | 2-20020/1155                | 02/07/76         | 0                   | 5305            | 39.7         | 128.5        | FGGG                               |                     |                      | 158                   | 48                   |
| 07314E 3731N                            | 2457-05005        | 00000/0000                   | 2-20024/0442                | 04/23/76         | 10                  | 6365            | 52.7         | 123.8        | GGGG                               |                     |                      | 162                   | 34                   |
| 07314E 3308N                            | 2600-04523        | 00000/0000                   | 2-20032/1200                | 09/13/76         | 10                  | 8359            | 47.8         | 127.1        | GGGG                               |                     |                      | 161                   | 37                   |
| 07314E 3306N                            | 2654-04504        | 00000/0000                   | 2-20036/0025                | 11/06/76         | 30                  | 9112            | 33.2         | 145.0        | GGGG                               |                     |                      | 161                   | 37                   |
| 07314E 3305N                            | 2366-04590        | 00000/0000                   | 2-20020/0340                | 01/23/76         | 90                  | 5096            | 27.6         | 142.6        | GGGG                               |                     |                      | 161                   | 37                   |
| 07313E 4854N                            | 2712-05054        | 00000/0000                   | 2-20038/0633                | 01/03/77         | 10                  | 9921            | 13.0         | 150.7        | FFFF                               |                     |                      | 165                   | 26                   |
| 07312E 5708N                            | 2535-05273        | 00000/0000                   | 2-20028/1061                | 07/10/76         | 30                  | 7453            | 50.2         | 140.4        | GGGG                               |                     |                      | 168                   | 20                   |
| 07312E 4147N                            | 2728-04564        | 00000/0000                   | 2-20039/0128                | 01/19/77         | 60                  | 144             | 19.8         | 144.9        | GGGG                               |                     |                      | 163                   | 31                   |
| 07312E 4146N                            | 2692-04581        | 00000/0000                   | 2-20037/0802                | 12/14/76         | 70                  | 9642            | 19.0         | 150.1        | GGGG                               |                     |                      | 163                   | 31                   |
| 07312E 3729N                            | 2583-04572        | 00000/0000                   | 2-20032/0194                | 08/27/76         | 20                  | 8122            | 49.7         | 124.5        | GGGG                               |                     |                      | 162                   | 34                   |
| 07312E 3727N                            | 2565-04580        | 00000/0000                   | 2-20030/0988                | 08/09/76         | 0                   | 7871            | 53.3         | 117.0        | FGGG                               |                     |                      | 162                   | 34                   |
| 07312E 3303N                            | 2636-04512        | 00000/0000                   | 2-20034/0899                | 10/19/76         | 0                   | 8861            | 38.3         | 141.0        | FGGG                               |                     |                      | 161                   | 37                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07311E 4141N                            | 2674-04585        | 00000/0000                   | 2-20036/1542                | 11/26/76         | 0                   | 9391            | 21.9         | 151.0        | GGGG                               |                     |                      | 163                   | 31                   |
| 07311E 3730N                            | 2727-04522        | 00000/0000                   | 2-20038/1438                | 01/18/77         | 90                  | 130             | 22.6         | 143.1        | FGGF                               |                     |                      | 162                   | 34                   |
| 07311E 3727N                            | 2651-04534        | 00000/0000                   | 2-20037/0759                | 12/13/76         | 50                  | 9628            | 22.4         | 148.3        | GGGG                               |                     |                      | 162                   | 34                   |
| 07310E 5434N                            | 2462-05243        | 00000/0000                   | 2-20024/0732                | 04/28/76         | 10                  | 6435            | 45.2         | 144.5        | GGGG                               |                     |                      | 167                   | 22                   |
| 07310E 4853N                            | 2730-05060        | 00000/0000                   | 2-20039/0907                | 01/21/77         | 50                  | 172             | 15.1         | 147.9        | PPPP                               |                     |                      | 163                   | 26                   |
| 07310E 4851N                            | 2568-05115        | 00000/0000                   | 2-20030/1183                | 08/12/76         | 10                  | 7913            | 48.1         | 133.6        | GGGG                               |                     |                      | 165                   | 26                   |
| 07310E 4850N                            | 2634-05073        | 00000/0000                   | 2-20037/0978                | 12/16/76         | 70                  | 9670            | 13.4         | 152.9        | GGGG                               |                     |                      | 165                   | 26                   |
| 07310E 3723N                            | 2493-05000        | 00000/0000                   | 2-20026/0404                | 05/29/76         | 10                  | 6847            | 58.9         | 111.7        | GGGG                               |                     |                      | 162                   | 34                   |
| 07310E 3719N                            | 2511-04593        | 00000/0000                   | 2-20026/1566                | 06/16/76         | 30                  | 7118            | 59.3         | 107.9        | GGGG                               |                     |                      | 162                   | 34                   |
| 07309E 5435N                            | 2444-05250        | 00000/0000                   | 2-20024/0004                | 04/10/76         | 10                  | 6184            | 39.0         | 146.3        | GGGG                               |                     |                      | 167                   | 22                   |
| 07309E 4134N                            | 2512-05040        | 00000/0000                   | 2-20027/0085                | 06/17/76         | 20                  | 7132            | 58.5         | 115.6        | GGGG                               |                     |                      | 163                   | 31                   |
| 07308E 5703N                            | 2517-05280        | 00000/0000                   | 2-20027/0332                | 06/22/76         | 10                  | 7202            | 51.8         | 140.9        | GGGG                               |                     |                      | 168                   | 20                   |
| 07308E 5147N                            | 2461-05193        | 00000/0000                   | 2-20024/0723                | 04/27/76         | 20                  | 6421            | 46.6         | 141.3        | GGGG                               |                     |                      | 166                   | 24                   |
| 07308E 4847N                            | 2676-05081        | 00000/0000                   | 2-20036/1425                | 11/28/76         | 40                  | 9419            | 15.9         | 154.2        | GGGG                               |                     |                      | 165                   | 26                   |
| 07308E 3723N                            | 2673-04543        | 00000/0000                   | 2-20036/1272                | 11/25/76         | 0                   | 9377            | 25.4         | 148.9        | GGGG                               |                     |                      | 162                   | 34                   |
| 07308E 3720N                            | 2403-05024        | 00000/0000                   | 2-20021/0861                | 02/29/76         | 10                  | 5612            | 34.5         | 137.4        | GGFG                               |                     |                      | 162                   | 34                   |
| 07308E 3248N                            | 2384-04584        | 00000/0000                   | 2-20020/1262                | 02/10/76         | 10                  | 5347            | 31.6         | 138.5        | GGGG                               |                     |                      | 161                   | 37                   |
| 07307E 5426N                            | 2480-05240        | 00000/0000                   | 2-20025/0475                | 05/16/76         | 10                  | 6686            | 49.9         | 141.9        | GGGG                               |                     |                      | 167                   | 22                   |
| 07307E 5139N                            | 2479-05191        | 00000/0000                   | 2-20025/0462                | 05/15/76         | 30                  | 6672            | 51.4         | 138.2        | GGGG                               |                     |                      | 166                   | 24                   |
| 07307E 3724N                            | 2601-04570        | 00000/0000                   | 2-20032/1256                | 09/14/76         | 10                  | 8373            | 45.4         | 132.2        | GGGG                               |                     |                      | 162                   | 34                   |
| 07307E 2727N                            | 2437-04530        | 00000/0000                   | 2-20022/1213                | 04/03/76         | 10                  | 6086            | 50.5         | 117.8        | GGGG                               |                     |                      | 160                   | 41                   |
| 07306E 5433N                            | 2570-05213        | 00000/0000                   | 2-20035/1260                | 08/14/76         | 40                  | 7941            | 44.4         | 141.2        | GGGG                               |                     |                      | 167                   | 22                   |
| 07306E 5145N                            | 2443-05201        | 00000/0000                   | 2-20022/1886                | 04/09/76         | 10                  | 6170            | 40.5         | 143.5        | GGGG                               |                     |                      | 166                   | 24                   |
| 07306E 5144N                            | 2713-05113        | 00000/0000                   | 2-20038/1125                | 01/04/77         | 0                   | 9935            | 11.0         | 151.8        | FGGF                               |                     |                      | 166                   | 24                   |
| 07306E 4843N                            | 2658-05090        | 00000/0000                   | 2-20036/0173                | 11/10/76         | 50                  | 9168            | 20.3         | 153.9        | GGGG                               |                     |                      | 165                   | 26                   |
| 07306E 4841N                            | 2532-05125        | 00000/0000                   | 2-20028/0844                | 07/07/76         | 10                  | 7411            | 54.8         | 127.3        | GGGG                               |                     |                      | 165                   | 26                   |
| 07306E 2728N                            | 2707-04443        | 00000/0000                   | 2-20038/0680                | 12/29/76         | 10                  | 9851            | 28.4         | 141.9        | GGGG                               |                     |                      | 160                   | 41                   |
| 07305E 5435N                            | 2588-05210        | 00000/0000                   | 2-20032/0500                | 09/01/76         | 60                  | 8192            | 39.0         | 145.3        | GGGG                               |                     |                      | 167                   | 22                   |
| 07305E 5143N                            | 2569-05164        | 00000/0000                   | 2-20030/1223                | 08/13/76         | 10                  | 7927            | 46.3         | 137.5        | GGGG                               |                     |                      | 166                   | 24                   |
| 07305E 2728N                            | 2725-04435        | 00000/0000                   | 2-20039/0038                | 01/16/77         | 0                   | 102             | 29.0         | 138.5        | GGGG                               |                     |                      | 160                   | 41                   |
| 07305E 2725N                            | 2689-04451        | 00000/0000                   | 2-20037/0658                | 12/11/76         | 0                   | 7400            | 29.9         | 143.7        | GGGG                               |                     |                      | 160                   | 41                   |
| 07304E 4839N                            | 2514-05132        | 00000/0000                   | 2-20027/0033                | 06/19/76         | 80                  | 7160            | 56.1         | 127.7        | GGGG                               |                     |                      | 165                   | 26                   |
| 07303E 5142N                            | 2695-05122        | 00000/0000                   | 2-20034/0024                | 12/17/76         | 40                  | 9684            | 11.1         | 154.1        | GGGG                               |                     |                      | 166                   | 24                   |
| 07303E 2723N                            | 2419-04533        | 00000/0000                   | 2-20022/0191                | 03/16/76         | 20                  | 5835            | 45.0         | 124.5        | GGGG                               |                     |                      | 160                   | 41                   |
| 07302E 5422N                            | 2678-05130        | 00000/0000                   | 2-20036/1618                | 11/30/76         | 10                  | 9447            | 11.1         | 156.8        | FGGG                               |                     |                      | 167                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR USN-UG  
FROM 01/22/76 TO 01/22/77

PAGE 0946

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL No./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07302E 5142N                            | 2731-05105        | 00000/0000                   | 2-20039/0171                | 01/22/77         | 50                  | 186             | 13.3         | 149.1        | PGGP                               |                     |                      | 166                   | 24                   |
| 07302E 2725N                            | 2671-04460        | 00000/0000                   | 2-20036/1186                | 11/23/76         | 60                  | 9349            | 33.1         | 143.7        | GGG                                |                     |                      | 160                   | 41                   |
| 07302E 2721N                            | 2365-04545        | 00000/0000                   | 2-20019/0192                | 01/22/76         | 10                  | 5082            | 31.3         | 139.7        | GGG                                |                     |                      | 160                   | 41                   |
| 07301E 5422N                            | 2552-05221        | 00000/0000                   | 2-20030/0262                | 07/27/76         | 20                  | 7690            | 48.9         | 137.7        | GGGG                               |                     |                      | 167                   | 22                   |
| 07301E 5142N                            | 2587-05161        | 00000/0000                   | 2-20032/0421                | 08/31/76         | 80                  | 8178            | 41.2         | 142.1        | GGGG                               |                     |                      | 166                   | 24                   |
| 07301E 5135N                            | 2677-05130        | 00000/0000                   | 2-20036/1500                | 11/29/76         | 10                  | 9433            | 13.5         | 155.5        | FGGG                               |                     |                      | 166                   | 24                   |
| 07301E 2719N                            | 2401-04541        | 00000/0000                   | 2-20021/0763                | 02/27/76         | 0                   | 5584            | 39.5         | 130.2        | GGGF                               |                     |                      | 160                   | 41                   |
| 07301E 2719N                            | 2635-04472        | 00000/0000                   | 2-20034/0894                | 10/18/76         | 0                   | 8847            | 42.1         | 136.2        | GGGG                               |                     |                      | 160                   | 41                   |
| 07300E 2719N                            | 2653-04464        | 00000/0000                   | 2-20035/0548                | 11/05/76         | 0                   | 9098            | 37.4         | 141.2        | GGGG                               |                     |                      | 160                   | 41                   |
| 07300E 2144N                            | 2706-04403        | 00000/0000                   | 2-20034/0249                | 12/28/76         | 0                   | 9837            | 32.2         | 139.0        | PFFP                               |                     |                      | 159                   | 45                   |
| 07300E 2143N                            | 2724-04394        | 00000/0000                   | 2-20039/0022                | 01/15/77         | 0                   | 88              | 32.5         | 135.5        | GFGF                               |                     |                      | 159                   | 45                   |
| 07300E 2141N                            | 2418-04493        | 00000/0000                   | 2-20021/1669                | 03/15/76         | 10                  | 5821            | 46.9         | 114.8        | GGGG                               |                     |                      | 159                   | 45                   |
| 07300E 2141N                            | 2458-04411        | 00000/0000                   | 2-20037/0543                | 12/10/76         | 10                  | 9586            | 34.0         | 140.6        | PGGG                               |                     |                      | 159                   | 45                   |
| 07259E 5421N                            | 2498-05233        | 00000/0000                   | 2-20026/0677                | 06/03/76         | 30                  | 6937            | 52.7         | 139.0        | GGGF                               |                     |                      | 167                   | 22                   |
| 07259E 5418N                            | 2534-05224        | 00000/0000                   | 2-20028/0394                | 07/09/76         | 90                  | 7439            | 51.9         | 136.2        | FGFF                               |                     |                      | 167                   | 22                   |
| 07259E 5135N                            | 2551-05171        | 00000/0000                   | 2-20030/0058                | 07/26/76         | 30                  | 7676            | 50.5         | 133.7        | GGGG                               |                     |                      | 166                   | 24                   |
| 07259E 5133N                            | 2497-05184        | 00000/0000                   | 2-20026/0615                | 06/02/76         | 30                  | 6923            | 54.1         | 134.8        | GGGG                               |                     |                      | 166                   | 24                   |
| 07257E 5417N                            | 2516-05231        | 00000/0000                   | 2-20027/0127                | 06/21/76         | 70                  | 7188            | 53.3         | 136.7        | GGGF                               |                     |                      | 167                   | 22                   |
| 07257E 2706N                            | 2383-04544        | 00000/0000                   | 2-20020/1219                | 02/09/76         | 0                   | 5333            | 34.8         | 135.1        | GGGG                               |                     |                      | 160                   | 41                   |
| 07257E 2137N                            | 2670-04420        | 00000/0000                   | 2-20036/0838                | 11/22/76         | 90                  | 9335            | 37.2         | 140.1        | FGFG                               |                     |                      | 159                   | 45                   |
| 07256E 5131N                            | 2659-05135        | 00000/0000                   | 2-20036/0313                | 11/11/76         | 10                  | 9182            | 17.8         | 155.4        | GGGG                               |                     |                      | 166                   | 24                   |
| 07256E 2138N                            | 2400-04500        | 00000/0000                   | 2-20021/0714                | 02/26/76         | 10                  | 5570            | 41.9         | 125.7        | FFPG                               |                     |                      | 159                   | 45                   |
| 07256E 2137N                            | 2652-04424        | 00000/0000                   | 2-20035/0524                | 11/04/76         | 0                   | 9084            | 41.4         | 136.8        | GGGG                               |                     |                      | 159                   | 45                   |
| 07256E 2135N                            | 2634-04432        | 00000/0000                   | 2-20034/0649                | 10/17/76         | 10                  | 8833            | 45.6         | 130.7        | GGGG                               |                     |                      | 159                   | 45                   |
| 07255E 3147N                            | 2438-04572        | 00000/0000                   | 2-20022/1249                | 04/04/76         | 100                 | 6100            | 49.3         | 122.8        | GGGG                               |                     |                      | 161                   | 38                   |
| 07254E 4439N                            | 2711-05021        | 00000/0000                   | 2-20038/0547                | 01/02/77         | 80                  | 9907            | 16.2         | 149.0        | GFGG                               |                     |                      | 164                   | 29                   |
| 07252E 5846N                            | 2446-05351        | 00000/0000                   | 2-20022/1807                | 04/12/76         | 80                  | 6212            | 36.9         | 150.6        | GGGG                               |                     |                      | 169                   | 19                   |
| 07252E 5846N                            | 2464-05344        | 00000/0000                   | 2-20024/0810                | 04/30/76         | 10                  | 6463            | 42.9         | 149.5        | GGGG                               |                     |                      | 169                   | 19                   |
| 07251E 3142N                            | 2420-04580        | 00000/0000                   | 2-20021/1722                | 03/17/76         | 20                  | 5849            | 43.4         | 128.5        | GGGG                               |                     |                      | 161                   | 38                   |
| 07250E 4438N                            | 2729-05013        | 00000/0000                   | 2-20040/0017                | 01/20/77         | 70                  | 158             | 18.0         | 146.1        | GGGG                               |                     |                      | 164                   | 29                   |
| 07249E 4436N                            | 2693-05030        | 00000/0000                   | 2-20037/0907                | 12/15/76         | 80                  | 9656            | 16.7         | 151.2        | GGGF                               |                     |                      | 164                   | 29                   |
| 07249E 3142N                            | 2600-04530        | 00000/0000                   | 2-20032/1201                | 09/13/76         | 10                  | 8359            | 48.4         | 125.5        | GGGG                               |                     |                      | 161                   | 38                   |
| 07249E 3139N                            | 2366-04592        | 00000/0000                   | 2-20020/0341                | 01/23/76         | 80                  | 5096            | 28.6         | 141.8        | GGGG                               |                     |                      | 161                   | 38                   |
| 07249E 3139N                            | 2402-04583        | 00000/0000                   | 2-20021/0808                | 02/28/76         | 0                   | 5598            | 37.5         | 133.4        | GGGG                               |                     |                      | 161                   | 38                   |
| 07248E 5846N                            | 2590-05311        | 00000/0000                   | 2-20032/0592                | 09/03/76         | 10                  | 8220            | 35.5         | 150.2        | F                                  |                     |                      | 169                   | 19                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANHSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0947

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07248E                                  | 4430N             | 2675-05035                   | 00000/0000                  | 2-20036/1316     | 11/27/76            | 10              | 9405         | 19.5         | 152.2                              | GGGG                |                      | 164                   | 29                   |
| 07248E                                  | 4024N             | 2440-05062                   | 00000/0000                  | 2-20023/0049     | 04/06/76            | 0               | 6128         | 46.1         | 132.1                              | FGFG                |                      | 163                   | 32                   |
| 07248E                                  | 3603N             | 2475-05005                   | 00000/0000                  | 2-20025/0267     | 05/11/76            | 10              | 6616         | 57.2         | 115.3                              | GGGG                |                      | 162                   | 35                   |
| 07248E                                  | 3140N             | 2654-04511                   | 00000/0000                  | 2-20036/0026     | 11/06/76            | 10              | 9112         | 34.2         | 144.2                              | GGGG                |                      | 161                   | 38                   |
| 07247E                                  | 4024N             | 2458-05055                   | 00000/0000                  | 2-20024/0403     | 04/24/76            | 90              | 6379         | 51.8         | 127.5                              | GGGG                |                      | 163                   | 32                   |
| 07247E                                  | 3605N             | 2457-05012                   | 00000/0000                  | 2-20024/0443     | 04/23/76            | 10              | 6365         | 53.3         | 121.8                              | GGGF                |                      | 162                   | 35                   |
| 07247E                                  | 3138N             | 2636-04515                   | 00000/0000                  | 2-20034/0900     | 10/19/76            | 10              | 8861         | 39.2         | 140.0                              | FGGG                |                      | 161                   | 38                   |
| 07246E                                  | 4425N             | 2657-05043                   | 00000/0000                  | 2-20036/0135     | 11/09/76            | 10              | 9154         | 23.9         | 151.6                              | GGGG                |                      | 164                   | 29                   |
| 07245E                                  | 5344N             | 2572-05314                   | 00000/0000                  | 2-20030/1594     | 08/16/76            | 50              | 7969         | 41.2         | 146.7                              | GGGG                |                      | 169                   | 19                   |
| 07245E                                  | 4018N             | 2476-05052                   | 00000/0000                  | 2-20024/1658     | 05/12/76            | 10              | 6630         | 56.1         | 122.0                              | GGGG                |                      | 163                   | 32                   |
| 07245E                                  | 3603N             | 2583-04575                   | 00000/0000                  | 2-20032/0195     | 08/27/76            | 40              | 8122         | 50.3         | 122.7                              | GGGG                |                      | 162                   | 35                   |
| 07244E                                  | 4023N             | 2710-04575                   | 00000/0000                  | 2-20038/0442     | 01/01/77            | 90              | 9893         | 19.3         | 147.3                              | FFGG                |                      | 163                   | 32                   |
| 07244E                                  | 3604N             | 2727-04524                   | 00000/0000                  | 2-20038/1439     | 01/18/77            | 90              | 130          | 23.6         | 142.4                              | GGGF                |                      | 162                   | 35                   |
| 07244E                                  | 3601N             | 2691-04541                   | 00000/0000                  | 2-20037/0760     | 12/13/76            | 50              | 9628         | 23.4         | 147.7                              | GGGG                |                      | 162                   | 35                   |
| 07244E                                  | 2601N             | 2437-04532                   | 00000/0000                  | 2-20022/1214     | 04/03/76            | 10              | 6086         | 51.0         | 115.9                              | GGGG                |                      | 160                   | 42                   |
| 07243E                                  | 5838N             | 2482-05341                   | 00000/0000                  | 2-20025/0789     | 05/18/76            | 90              | 6714         | 47.6         | 147.5                              | GGGF                |                      | 169                   | 19                   |
| 07243E                                  | 5836N             | 2554-05321                   | 00000/0000                  | 2-20030/0329     | 07/23/76            | 10              | 7718         | 45.9         | 143.8                              | GGGG                |                      | 169                   | 19                   |
| 07243E                                  | 3558N             | 2493-05002                   | 00000/0000                  | 2-20026/0405     | 05/29/76            | 0               | 6867         | 59.2         | 109.1                              | GGGG                |                      | 162                   | 35                   |
| 07243E                                  | 3554N             | 2511-05000                   | 00000/0000                  | 2-20026/1567     | 06/16/76            | 10              | 7118         | 59.4         | 105.2                              | GGGG                |                      | 162                   | 35                   |
| 07243E                                  | 3122N             | 2384-04590                   | 00000/0000                  | 2-20020/1263     | 02/10/76            | 10              | 5347         | 32.5         | 137.6                              | FGGG                |                      | 161                   | 38                   |
| 07243E                                  | 2602N             | 2707-04445                   | 00000/0000                  | 2-20038/0681     | 12/29/76            | 0               | 9851         | 29.4         | 141.1                              | GFGG                |                      | 160                   | 42                   |
| 07242E                                  | 4021N             | 2728-04571                   | 00000/0000                  | 2-20039/0129     | 01/19/77            | 50              | 144          | 20.8         | 144.3                              | GGGG                |                      | 163                   | 32                   |
| 07242E                                  | 4020N             | 2692-04583                   | 00000/0000                  | 2-20037/0803     | 12/14/76            | 50              | 9642         | 20.1         | 149.5                              | GGFG                |                      | 163                   | 32                   |
| 07242E                                  | 2601N             | 2725-04441                   | 00000/0000                  | 2-20039/0089     | 01/16/77            | 0               | 102          | 29.9         | 137.8                              | GGGG                |                      | 160                   | 42                   |
| 07242E                                  | 2558N             | 2689-04454                   | 00000/0000                  | 2-20037/0659     | 12/11/76            | 0               | 9600         | 30.9         | 143.0                              | GGGG                |                      | 160                   | 42                   |
| 07241E                                  | 5836N             | 2608-05304                   | 00000/0000                  | 2-20032/1565     | 09/21/76            | 90              | 8471         | 29.3         | 153.6                              | GGGG                |                      | 169                   | 19                   |
| 07241E                                  | 5832N             | 2500-05334                   | 00000/0000                  | 2-20026/0825     | 06/05/76            | 10              | 6965         | 50.3         | 145.1                              | GGGG                |                      | 169                   | 19                   |
| 07241E                                  | 4016N             | 2674-04592                   | 00000/0000                  | 2-20036/1543     | 11/26/76            | 0               | 9391         | 23.0         | 150.3                              | FGGG                |                      | 163                   | 32                   |
| 07241E                                  | 3557N             | 2673-04545                   | 00000/0000                  | 2-20036/1273     | 11/25/76            | 0               | 9377         | 26.4         | 148.2                              | GGGG                |                      | 162                   | 35                   |
| 07241E                                  | 3554N             | 2403-05030                   | 00000/0000                  | 2-20021/0862     | 02/29/76            | 0               | 5612         | 35.4         | 136.3                              | GGGG                |                      | 162                   | 35                   |
| 07240E                                  | 3558N             | 2601-04573                   | 00000/0000                  | 2-20032/1257     | 09/14/76            | 30              | 8373         | 46.2         | 130.6                              | GGGG                |                      | 162                   | 35                   |
| 07240E                                  | 2559N             | 2671-04462                   | 00000/0000                  | 2-20036/1187     | 11/23/76            | 90              | 9349         | 34.1         | 142.8                              | FGGG                |                      | 160                   | 42                   |
| 07240E                                  | 2557N             | 2419-04540                   | 00000/0000                  | 2-20022/0192     | 03/16/76            | 30              | 5835         | 45.6         | 123.0                              | FGGG                |                      | 160                   | 42                   |
| 07240E                                  | 0415S             | 2450-04330                   | 00000/0000                  | 2-20023/0257     | 04/16/76            | 10              | 6267         | 48.6         | 69.4                               | GGGF                | H                    | 155                   | 63                   |
| 07239E                                  | 5829N             | 2536-05325                   | 00000/0000                  | 2-20028/1024     | 07/11/76            | 70              | 7467         | 49.3         | 142.5                              | GGGG                |                      | 169                   | 19                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0948

| PRINCIPAL POINT<br>OF IMAGE<br>LONG | LAT   | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|-------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07239E                              | 4009N | 2512-05043        | 00000/0000 2-20027/0086                        | 06/17/76         | 10                  | 7132            | 58.8         | 113.0        | GGGG                               |                     |                      | 163                   | 32                   |
| 07238E                              | 2554N | 2401-04543        | 00000/0000 2-20021/0764                        | 02/27/76         | 0                   | 5584            | 40.2         | 129.0        | GGGG                               |                     |                      | 160                   | 42                   |
| 07238E                              | 2017N | 2706-04405        | 00000/0000 2-20038/0250                        | 12/28/76         | 0                   | 9837            | 33.1         | 138.1        | FGGP                               |                     |                      | 159                   | 46                   |
| 07238E                              | 2014N | 2688-04414        | 00000/0000 2-20037/0544                        | 12/10/76         | 10                  | 9586            | 34.9         | 139.8        | FGGG                               |                     |                      | 159                   | 46                   |
| 07238E                              | 0416S | 2432-04334        | 00000/0000 2-20022/0852                        | 03/29/76         | 20                  | 6016            | 49.2         | 79.7         | FGGG                               |                     |                      | 155                   | 63                   |
| 07237E                              | 2554N | 2635-04475        | 00000/0000 2-20034/0895                        | 10/18/76         | 0                   | 8847            | 43.0         | 135.0        | GGGG                               |                     | H                    | 160                   | 42                   |
| 07237E                              | 2552N | 2653-04471        | 00000/0000 2-20035/0549                        | 11/05/76         | 0                   | 9098            | 38.4         | 140.2        | GGGG                               |                     |                      | 160                   | 42                   |
| 07237E                              | 2016N | 2724-04401        | 00000/0000 2-20039/0023                        | 01/15/77         | 10                  | 88              | 33.3         | 134.7        | FFFG                               |                     |                      | 159                   | 46                   |
| 07237E                              | 0419S | 2558-04301        | 00000/0000 2-20030/0611                        | 08/02/76         | 50                  | 7773            | 43.6         | 60.4         | FFFG                               |                     | H                    | 155                   | 63                   |
| 07236E                              | 4730N | 2712-05071        | 00000/0000 2-20038/0634                        | 01/03/77         | 40                  | 9921            | 14.1         | 150.1        | GGGG                               |                     |                      | 165                   | 27                   |
| 07235E                              | 5828N | 2518-05332        | 00000/0000 2-20027/0376                        | 06/23/76         | 30                  | 7216            | 50.9         | 143.0        | GGFG                               |                     |                      | 169                   | 19                   |
| 07235E                              | 2011N | 2670-04422        | 00000/0000 2-20036/0839                        | 11/22/76         | 100                 | 9335            | 38.2         | 139.1        | FFGG                               |                     |                      | 159                   | 46                   |
| 07235E                              | 2010N | 2652-04431        | 00000/0000 2-20035/0525                        | 11/04/76         | 0                   | 9084            | 42.2         | 135.7        | GGGG                               |                     |                      | 159                   | 46                   |
| 07234E                              | 4728N | 2730-05063        | 00000/0000 2-20039/0908                        | 01/21/77         | 80                  | 172             | 16.2         | 147.2        | FGPF                               |                     |                      | 165                   | 27                   |
| 07234E                              | 2011N | 2400-04503        | 00000/0000 2-20021/0715                        | 02/26/76         | 10                  | 5570            | 42.5         | 124.4        | FFPF                               |                     |                      | 159                   | 46                   |
| 07234E                              | 2009N | 2634-04435        | 00000/0000 2-20034/0650                        | 10/17/76         | 20                  | 8833            | 46.4         | 129.3        | FGGG                               |                     |                      | 159                   | 46                   |
| 07233E                              | 4725N | 2694-05075        | 00000/0000 2-20037/0979                        | 12/16/76         | 30                  | 9670            | 14.5         | 152.3        | GGGG                               |                     |                      | 165                   | 27                   |
| 07233E                              | 2540N | 2383-04550        | 00000/0000 2-20020/1220                        | 02/09/76         | 0                   | 5333            | 35.6         | 134.1        | GGGG                               |                     |                      | 160                   | 42                   |
| 07233E                              | 0417S | 2684-04255        | 00000/0000 2-20037/0301                        | 12/06/76         | 40                  | 9530            | 48.4         | 119.6        | GGGG                               |                     | H                    | 155                   | 63                   |
| 07232E                              | 4722N | 2676-05084        | 00000/0000 2-20036/1426                        | 11/28/76         | 40                  | 9419            | 17.0         | 153.5        | GGGG                               |                     |                      | 165                   | 27                   |
| 07231E                              | 5557N | 2463-05234        | 00000/0000 2-20024/0968                        | 04/29/76         | 80                  | 6449            | 44.6         | 146.1        | GGGG                               |                     |                      | 168                   | 21                   |
| 07229E                              | 4719N | 2658-05092        | 00000/0000 2-20036/0174                        | 11/10/76         | 90                  | 9168            | 21.4         | 153.2        | GGGG                               |                     |                      | 165                   | 27                   |
| 07229E                              | 0422S | 2630-04280        | 00000/0000 2-20034/0788                        | 10/13/76         | 70                  | 8777            | 53.1         | 97.2         | GGGG                               |                     | H                    | 155                   | 63                   |
| 07228E                              | 5557N | 2589-05262        | 00000/0000 2-20032/0530                        | 09/02/76         | 90                  | 8206            | 37.8         | 147.0        | GGGG                               |                     |                      | 168                   | 21                   |
| 07227E                              | 5023N | 2461-05200        | 00000/0000 2-20024/0724                        | 04/27/76         | 30                  | 6421            | 47.5         | 139.6        | GGGG                               |                     |                      | 166                   | 25                   |
| 07227E                              | 3016N | 2420-04582        | 00000/0000 2-20021/1723                        | 03/17/76         | 20                  | 5849            | 44.1         | 127.1        | GGGG                               |                     |                      | 161                   | 39                   |
| 07226E                              | 5554N | 2571-05265        | 00000/0000 2-20030/1303                        | 08/15/76         | 30                  | 7955            | 43.3         | 143.0        | FFFF                               |                     |                      | 168                   | 21                   |
| 07226E                              | 5014N | 2479-05193        | 00000/0000 2-20025/0463                        | 05/15/76         | 20                  | 6672            | 52.1         | 136.2        | GGGG                               |                     |                      | 166                   | 25                   |
| 07225E                              | 5310N | 2462-05245        | 00000/0000 2-20024/0733                        | 04/28/76         | 10                  | 6435            | 46.1         | 142.8        | GGGG                               |                     |                      | 167                   | 23                   |
| 07225E                              | 5020N | 2443-05203        | 00000/0000 2-20027/1887                        | 04/09/76         | 0                   | 6170            | 41.4         | 142.1        | FGGG                               |                     |                      | 166                   | 25                   |
| 07225E                              | 5019N | 2713-05120        | 00000/0000 2-20038/1126                        | 01/04/77         | 10                  | 9935            | 12.0         | 151.2        | FGG                                |                     |                      | 166                   | 25                   |
| 07225E                              | 3013N | 2402-04590        | 00000/0000 2-20021/0809                        | 02/28/76         | 0                   | 5598            | 38.3         | 132.2        | GGGG                               |                     |                      | 161                   | 39                   |
| 07224E                              | 5310N | 2444-05252        | 00000/0000 2-20024/0005                        | 04/10/76         | 10                  | 6184            | 40.0         | 144.9        | GGGG                               |                     |                      | 167                   | 23                   |
| 07224E                              | 5018N | 2569-05170        | 00000/0000 2-20030/1224                        | 08/13/76         | 10                  | 7927            | 47.1         | 135.7        | GGGG                               |                     |                      | 166                   | 25                   |
| 07224E                              | 4317N | 2459-05104        | 00000/0000 2-20024/0562                        | 04/25/76         | 10                  | 6393            | 50.8         | 131.1        | GGGG                               |                     |                      | 164                   | 30                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0949

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07224E 3017N                            | 2620-04532        | 00000/0000                   | 2-20032/1202                | 09/13/76         | 0                   | 8359            | 49.0         | 123.8        | GFGB                               |                     |                      | 161                   | 39                   |
| 07224E 3013N                            | 2366-04595        | 00000/0000                   | 2-20020/0342                | 01/23/76         | 50                  | 5096            | 29.6         | 141.1        | GGGG                               |                     |                      | 161                   | 39                   |
| 07223E 5308N                            | 2714-05165        | 00000/0000                   | 2-20038/0796                | 01/05/77         | 80                  | 9949            | 10.0         | 152.3        | GGGG                               |                     |                      | 167                   | 23                   |
| 07223E 5017N                            | 2695-05124        | 00000/0000                   | 2-20038/0025                | 12/17/76         | 10                  | 9684            | 12.2         | 153.5        | GGGG                               |                     |                      | 164                   | 25                   |
| 07223E 4316N                            | 2441-05111        | 00000/0000                   | 2-20022/1411                | 04/07/76         | 0                   | 6142            | 44.9         | 135.0        | GGGG                               |                     |                      | 164                   | 30                   |
| 07223E 3014N                            | 2654-04513        | 00000/0000                   | 2-20036/0027                | 11/06/76         | 0                   | 9112            | 35.2         | 143.3        | GGGG                               |                     |                      | 161                   | 39                   |
| 07222E 5545N                            | 2679-05231        | 00000/0000                   | 2-20036/1719                | 12/01/76         | 90                  | 9461            | 9.8          | 157.5        | FFFG                               |                     |                      | 168                   | 21                   |
| 07222E 5544N                            | 2535-05275        | 00000/0000                   | 2-20028/1062                | 07/10/76         | 30                  | 7453            | 51.0         | 138.4        | GGGG                               |                     |                      | 168                   | 21                   |
| 07222E 5017N                            | 2731-05112        | 00000/0000                   | 2-20039/0172                | 01/22/77         | 50                  | 186             | 14.3         | 148.4        | FGGG                               |                     |                      | 166                   | 25                   |
| 07222E 3011N                            | 2636-04521        | 00000/0000                   | 2-20034/0901                | 10/19/76         | 10                  | 8861            | 40.1         | 138.9        | GGGG                               |                     |                      | 161                   | 39                   |
| 07221E 5301N                            | 2480-05242        | 00000/0000                   | 2-20025/0476                | 05/16/76         | 0                   | 6686            | 50.8         | 140.0        | GGGG                               |                     |                      | 167                   | 23                   |
| 07221E 5011N                            | 2677-05133        | 00000/0000                   | 2-20036/1501                | 11/29/76         | 20                  | 9433            | 14.6         | 154.8        | FGGG                               |                     |                      | 166                   | 25                   |
| 07221E 4314N                            | 2711-05024        | 00000/0000                   | 2-20038/0548                | 01/02/77         | 100                 | 9907            | 17.2         | 148.4        | GGGG                               |                     |                      | 164                   | 30                   |
| 07221E 3439N                            | 2457-05014        | 00000/0000                   | 2-20024/0444                | 04/23/76         | 30                  | 6365            | 53.8         | 119.8        | GGGG                               |                     |                      | 162                   | 36                   |
| 07221E 3437N                            | 2475-05012        | 00000/0000                   | 2-20025/0268                | 05/11/76         | 20                  | 6616            | 57.5         | 112.9        | GGGG                               |                     |                      | 162                   | 36                   |
| 07221E 2435N                            | 2437-04535        | 00000/0000                   | 2-20022/1215                | 04/03/76         | 10                  | 6086            | 51.3         | 114.1        | GGGG                               |                     |                      | 160                   | 43                   |
| 07220E 5311N                            | 2588-05213        | 00000/0000                   | 2-20032/0501                | 09/01/76         | 90                  | 8192            | 40.0         | 143.9        | GGGG                               |                     |                      | 167                   | 23                   |
| 07220E 5309N                            | 2670-05220        | 00000/0000                   | 2-20030/1261                | 08/14/76         | 30                  | 7941            | 45.2         | 139.5        | GGGG                               |                     |                      | 167                   | 23                   |
| 07220E 5305N                            | 2696-05173        | 00000/0000                   | 2-20038/0069                | 12/18/76         | 90                  | 9698            | 9.9          | 154.7        | GGGF                               |                     |                      | 167                   | 23                   |
| 07220E 2435N                            | 2707-04452        | 00000/0000                   | 2-20038/0682                | 12/29/76         | 0                   | 9851            | 30.3         | 140.4        | GGGG                               |                     |                      | 160                   | 43                   |
| 07220E 0542S                            | 2450-04333        | 00000/0000                   | 2-20023/0258                | 04/16/76         | 10                  | 6267            | 47.8         | 68.0         | GGGF                               | H                   |                      | 155                   | 64                   |
| 07219E 5011N                            | 2551-05174        | 00000/0000                   | 2-20030/0059                | 07/26/76         | 30                  | 7676            | 51.2         | 131.7        | GGGG                               |                     |                      | 166                   | 25                   |
| 07219E 5009N                            | 2497-05191        | 00000/0000                   | 2-20026/0616                | 06/02/76         | 50                  | 6923            | 64.8         | 132.6        | FGGG                               |                     |                      | 164                   | 25                   |
| 07219E 3439N                            | 2439-05022        | 00000/0000                   | 2-20022/1343                | 04/05/76         | 90                  | 6114            | 48.5         | 125.9        | GG G                               |                     |                      | 162                   | 36                   |
| 07219E 2435N                            | 2725-04444        | 00000/0000                   | 2-20039/0090                | 01/16/77         | 10                  | 102             | 30.8         | 137.0        | FGGG                               |                     |                      | 160                   | 43                   |
| 07219E 2431N                            | 2689-04450        | 00000/0000                   | 2-20037/0660                | 12/11/76         | 0                   | 9600            | 31.9         | 142.2        | GGGG                               |                     |                      | 160                   | 43                   |
| 07218E 5539N                            | 2517-05282        | 00000/0000                   | 2-20027/0333                | 06/22/76         | 20                  | 7202            | 52.6         | 138.7        | GGGG                               |                     |                      | 168                   | 21                   |
| 07218E 5008N                            | 2533-05181        | 00000/0000                   | 2-20028/0945                | 07/08/76         | 20                  | 7425            | 54.1         | 129.6        | GGGG                               |                     |                      | 164                   | 25                   |
| 07218E 4312N                            | 2729-05020        | 00000/0000                   | 2-20040/0018                | 01/20/77         | 70                  | 156             | 19.0         | 145.4        | GGGG                               |                     |                      | 164                   | 30                   |
| 07218E 3858N                            | 2440-05064        | 00000/0000                   | 2-20022/1401                | 04/06/76         | 10                  | 6128            | 46.8         | 130.5        | GGGG                               |                     |                      | 163                   | 33                   |
| 07218E 3436N                            | 2565-04585        | 00000/0000                   | 2-20030/0989                | 08/09/76         | 30                  | 7871            | 54.0         | 112.8        | GGF                                |                     |                      | 162                   | 36                   |
| 07218E 2957N                            | 2384-04593        | 00000/0000                   | 2-20020/1264                | 02/10/76         | 10                  | 5347            | 33.3         | 136.7        | GGGG                               |                     |                      | 161                   | 39                   |
| 07218E 0542S                            | 2432-04340        | 00000/0000                   | 2-20022/0853                | 03/29/76         | 20                  | 6016            | 48.7         | 78.2         | FFGF                               |                     | H                    | 155                   | 64                   |
| 07217E 5301N                            | 2606-05210        | 00000/0000                   | 2-20032/1525                | 09/19/76         | 10                  | 8443            | 34.1         | 148.2        | GGGG                               |                     |                      | 167                   | 23                   |
| 07217E 5258N                            | 2678-05182        | 00000/0000                   | 2-20036/1619                | 11/30/76         | 10                  | 9447            | 12.2         | 156.1        | GGGF                               |                     |                      | 167                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 A'R 23,177

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0450

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07217E 4311N                            | 2693-05032        | 00000/0000                   | 2-20037/0908                | 12/15/76         | 70                  | 9656            | 17.8         | 150.6        | GGGG                               |                     |                      | 164                   | 30                   |
| 07217E 3438N                            | 2727-04531        | 00000/0000                   | 2-20038/1440                | 01/18/77         | 90                  | 130             | 24.6         | 141.8        | FGGF                               |                     |                      | 162                   | 36                   |
| 07217E 3435N                            | 2691-04543        | 00000/0000                   | 2-20037/0761                | 12/13/76         | 20                  | 9628            | 24.5         | 147.1        | GGGG                               |                     |                      | 162                   | 36                   |
| 07217E 2432N                            | 2671-04465        | 00000/0000                   | 2-20036/1188                | 11/23/76         | 90                  | 9349            | 35.1         | 142.0        | GFGG                               |                     |                      | 160                   | 43                   |
| 07217E 2431N                            | 2419-04542        | 00000/0000                   | 2-20027/0193                | 03/16/76         | 60                  | 5835            | 46.2         | 121.5        | FFFG                               |                     |                      | 160                   | 43                   |
| 07217E 1850N                            | 2706-04412        | 00000/0000                   | 2-20038/0251                | 12/28/76         | 10                  | 9837            | 34.1         | 137.3        | PPPP                               |                     |                      | 159                   | 47                   |
| 07217E 1848N                            | 2688-04420        | 00000/0000                   | 2-20037/0545                | 12/10/76         | 0                   | 9586            | 35.8         | 138.9        | FGGF                               |                     |                      | 159                   | 47                   |
| 07217E 0546S                            | 2558-04303        | 00000/0000                   | 2-20030/0612                | 08/02/76         | 90                  | 7773            | 42.7         | 59.3         | FGGF                               |                     |                      | 155                   | 64                   |
| 07216E 5258N                            | 2552-05223        | 00000/0000                   | 2-20030/0263                | 07/27/76         | 20                  | 7690            | 49.6         | 135.8        | FGGG                               | H                   |                      | 167                   | 23                   |
| 07216E 5008N                            | 2659-05141        | 00000/0000                   | 2-20036/0314                | 11/11/76         | 40                  | 9182            | 18.9         | 154.7        | GGGG                               |                     |                      | 166                   | 25                   |
| 07216E 5002N                            | 2515-05134        | 00000/0000                   | 2-20026/1728                | 06/20/76         | 60                  | 7174            | 55.5         | 129.9        | GGGG                               |                     |                      | 166                   | 25                   |
| 07216E 4305N                            | 2675-05041        | 00000/0000                   | 2-20036/1317                | 11/27/76         | 10                  | 9405            | 20.6         | 151.6        | GGGG                               |                     |                      | 164                   | 30                   |
| 07216E 4300N                            | 2513-05097        | 00000/0000                   | 2-20026/1767                | 06/18/76         | 40                  | 7146            | 58.1         | 118.1        | GGGG                               |                     |                      | 164                   | 30                   |
| 07216E 3432N                            | 2493-05005        | 00000/0000                   | 2-20026/0406                | 05/29/76         | 0                   | 6867            | 59.4         | 106.5        | GGFG                               |                     |                      | 162                   | 36                   |
| 07216E 3428N                            | 2511-05007        | 00000/0000                   | 2-20026/1568                | 06/16/76         | 30                  | 7118            | 59.5         | 102.6        | GGGG                               |                     |                      | 162                   | 36                   |
| 07216E 2429N                            | 2365-04554        | 00000/0000                   | 2-20019/0193                | 01/22/76         | 0                   | 5082            | 33.1         | 138.0        | GGG                                |                     |                      | 160                   | 43                   |
| 07216E 1849N                            | 2724-04403        | 00000/0000                   | 2-20039/0024                | 01/15/77         | 10                  | 88              | 34.1         | 133.8        | GFFF                               |                     |                      | 159                   | 47                   |
| 07215E 5256N                            | 2498-05240        | 00000/0000                   | 2-20026/0678                | 06/03/76         | 40                  | 6937            | 53.5         | 136.8        | GGFG                               |                     |                      | 167                   | 23                   |
| 07215E 5254N                            | 2534-05230        | 00000/0000                   | 2-20028/0995                | 07/09/76         | 80                  | 7439            | 52.6         | 134.0        | GFFF                               |                     |                      | 167                   | 23                   |
| 07215E 3858N                            | 2710-04581        | 00000/0000                   | 2-20038/0443                | 01/01/77         | 90                  | 9893            | 20.3         | 146.7        | GGGG                               |                     |                      | 163                   | 33                   |
| 07215E 2428N                            | 2635-04481        | 00000/0000                   | 2-20034/0896                | 10/18/76         | 0                   | 8847            | 43.8         | 133.8        | GGGG                               |                     |                      | 160                   | 43                   |
| 07214E 4300N                            | 2657-05045        | 00000/0000                   | 2-20036/0136                | 11/09/76         | 20                  | 9154            | 25.0         | 150.9        | GGGG                               |                     |                      | 164                   | 30                   |
| 07214E 3432N                            | 2673-04552        | 00000/0000                   | 2-20036/1274                | 11/25/76         | 0                   | 9377            | 27.5         | 147.5        | GGGG                               |                     |                      | 162                   | 36                   |
| 07214E 3429N                            | 2423-05033        | 00000/0000                   | 2-20021/0863                | 02/29/76         | 10                  | 5612            | 36.2         | 135.3        | GGGG                               |                     |                      | 162                   | 36                   |
| 07214E 2426N                            | 2653-04473        | 00000/0000                   | 2-20035/0550                | 11/05/76         | 0                   | 9098            | 39.3         | 139.2        | GGGG                               |                     |                      | 160                   | 43                   |
| 07214E 0545S                            | 2702-04253        | 00000/0000                   | 2-20037/1279                | 12/24/76         | 10                  | 9781            | 46.6         | 118.4        | GGGG                               |                     |                      | 155                   | 64                   |
| 07213E 5254N                            | 2660-05190        | 00000/0000                   | 2-20036/0355                | 11/12/76         | 10                  | 9196            | 16.4         | 156.2        | FGGG                               | H                   |                      | 167                   | 23                   |
| 07213E 5253N                            | 2616-05233        | 00000/0000                   | 2-20027/0128                | 06/21/76         | 80                  | 7188            | 54.1         | 134.4        | GGGF                               |                     |                      | 167                   | 23                   |
| 07213E 4304N                            | 2639-05053        | 00000/0000                   | 2-20034/1007                | 10/22/76         | 30                  | 8903            | 30.3         | 148.4        | GGGG                               |                     |                      | 164                   | 30                   |
| 07213E 3855N                            | 2632-04590        | 00000/0000                   | 2-20037/0804                | 12/14/76         | 90                  | 9642            | 21.2         | 148.9        | GGGG                               |                     |                      | 163                   | 33                   |
| 07213E 3432N                            | 2601-04575        | 00000/0000                   | 2-20032/1258                | 09/14/76         | 20                  | 8373            | 46.9         | 129.1        | FGGG                               |                     |                      | 162                   | 36                   |
| 07213E 1845N                            | 2670-04425        | 00000/0000                   | 2-20036/0840                | 11/22/76         | 90                  | 9335            | 39.1         | 138.1        | FFGG                               |                     |                      | 159                   | 47                   |
| 07212E 3855N                            | 2728-04573        | 00000/0000                   | 2-20039/0130                | 01/19/77         | 90                  | 144             | 21.8         | 143.6        | GGGF                               |                     |                      | 163                   | 33                   |
| 07212E 3850N                            | 2674-04594        | 00000/0000                   | 2-20036/1544                | 11/26/76         | 10                  | 9391            | 24.1         | 149.6        | GGGG                               |                     |                      | 163                   | 33                   |
| 07210E 3843N                            | 2512-05045        | 00000/0000                   | 2-20027/0087                | 06/17/76         | 10                  | 7132            | 59.0         | 110.4        | GFGG                               |                     |                      | 163                   | 33                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0951

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07210E 2413N                            | 2383-04553        | 00000/0000                   | 2-20020/1221                | 02/09/76         | 0                   | 5333            | 36.4         | 133.1        | GGGG                               |                     |                      | 160                   | 43                   |
| 07209E 0548S                            | 2630-04283        | 00000/0000                   | 2-20034/0789                | 10/13/76         | 80                  | 8777            | 53.0         | 95.3         | GGGG                               |                     | H                    | 155                   | 64                   |
| 07206E 3413N                            | 2355-05040        | 00000/0000                   | 2-20020/1332                | 02/11/76         | 100                 | 5361            | 31.0         | 139.2        | GGGG                               |                     |                      | 162                   | 36                   |
| 07206E 2855N                            | 2438-04581        | 00000/0000                   | 2-20022/1250                | 04/04/76         | 100                 | 6100            | 50.4         | 119.2        | GGGG                               |                     |                      | 161                   | 40                   |
| 07203E 2854N                            | 2726-04490        | 00000/0000                   | 2-20039/0059                | 01/17/77         | 10                  | 116             | 28.2         | 139.1        | GGGG                               |                     |                      | 161                   | 40                   |
| 07202E 2850N                            | 2420-04585        | 00000/0000                   | 2-20021/1724                | 03/17/76         | 20                  | 5849            | 44.7         | 125.6        | GGGG                               |                     |                      | 161                   | 40                   |
| 07201E 4604N                            | 2712-05073        | 00000/0000                   | 2-20038/0635                | 01/03/77         | 70                  | 9921            | 15.2         | 149.5        | GGGG                               |                     |                      | 165                   | 28                   |
| 07200E 2850N                            | 2600-04535        | 00000/0000                   | 2-20032/1203                | 09/13/76         | 0                   | 8359            | 49.6         | 122.1        | GGGG                               |                     |                      | 161                   | 40                   |
| 07200E 2849N                            | 2672-04512        | 00000/0000                   | 2-20037/0183                | 11/24/76         | 0                   | 9363            | 31.9         | 144.5        | GGGG                               |                     |                      | 161                   | 40                   |
| 07200E 2848N                            | 2402-04592        | 00000/0000                   | 2-20021/0810                | 02/28/76         | 10                  | 5598            | 39.0         | 131.1        | GGGG                               |                     |                      | 161                   | 40                   |
| 07200E 2847N                            | 2366-05031        | 00000/0000                   | 2-20020/0343                | 01/23/76         | 10                  | 5096            | 30.5         | 140.3        | GGGG                               |                     |                      | 161                   | 40                   |
| 07200E 0709S                            | 2450-04335        | 00000/0000                   | 2-20023/0259                | 04/16/76         | 20                  | 6267            | 47.1         | 66.7         | GGGG                               |                     | H                    | 155                   | 65                   |
| 07158E 5723N                            | 2464-05350        | 00000/0000                   | 2-20024/0811                | 04/30/76         | 10                  | 6463            | 43.9         | 147.8        | GGGG                               |                     |                      | 169                   | 20                   |
| 07158E 4603N                            | 2730-05065        | 00000/0000                   | 2-20039/0909                | 01/21/77         | 90                  | 172             | 17.2         | 146.5        | GGGG                               |                     |                      | 165                   | 28                   |
| 07158E 4600N                            | 2694-05082        | 00000/0000                   | 2-20037/0980                | 12/16/76         | 100                 | 9670            | 15.6         | 151.7        | GGGG                               |                     |                      | 165                   | 28                   |
| 07158E 0709S                            | 2432-04343        | 00000/0000                   | 2-20022/0854                | 03/29/76         | 20                  | 6016            | 48.1         | 76.7         | GGGG                               |                     | H                    | 155                   | 65                   |
| 07157E 5723N                            | 2446-05353        | 00000/0000                   | 2-20022/1808                | 04/12/76         | 10                  | 6212            | 37.9         | 149.1        | GGGG                               |                     |                      | 169                   | 20                   |
| 07157E 4557N                            | 2676-05090        | 00000/0000                   | 2-20036/1427                | 11/28/76         | 60                  | 9419            | 18.1         | 152.9        | GGGG                               |                     |                      | 165                   | 28                   |
| 07157E 2309N                            | 2707-04454        | 00000/0000                   | 2-20038/0683                | 12/29/76         | 0                   | 9851            | 31.3         | 139.6        | GGGG                               |                     |                      | 160                   | 44                   |
| 07157E 2305N                            | 2639-04463        | 00000/0000                   | 2-20037/0661                | 12/11/76         | 0                   | 9600            | 32.9         | 141.4        | GGGG                               |                     |                      | 160                   | 44                   |
| 07157E 0712S                            | 2558-04310        | 00000/0000                   | 2-20030/0613                | 08/02/76         | 80                  | 7773            | 41.8         | 58.4         | GGGG                               |                     | H                    | 155                   | 65                   |
| 07156E 3310N                            | 2475-05014        | 00000/0000                   | 2-20025/0269                | 05/11/76         | 20                  | 6616            | 57.8         | 110.4        | GGGG                               |                     |                      | 162                   | 37                   |
| 07156E 2308N                            | 2725-04450        | 00000/0000                   | 2-20039/0091                | 01/16/77         | 10                  | 102             | 31.7         | 136.1        | GGGG                               |                     |                      | 160                   | 44                   |
| 07155E 3313N                            | 2457-05021        | 00000/0000                   | 2-20024/0445                | 04/23/76         | 60                  | 6365            | 54.2         | 117.7        | GGGG                               |                     |                      | 162                   | 37                   |
| 07155E 0712S                            | 2702-04260        | 00000/0000                   | 2-20037/1280                | 12/24/76         | 10                  | 9781            | 47.1         | 116.9        | GGGG                               |                     | H                    | 155                   | 65                   |
| 07154E 4554N                            | 2658-05095        | 00000/0000                   | 2-20034/0175                | 11/10/76         | 80                  | 9168            | 22.5         | 152.5        | GGGG                               |                     |                      | 165                   | 28                   |
| 07154E 2831N                            | 2384-04595        | 00000/0000                   | 2-20020/1265                | 02/10/76         | 0                   | 5347            | 34.2         | 135.3        | GGGG                               |                     |                      | 161                   | 40                   |
| 07154E 2306N                            | 2671-04471        | 00000/0000                   | 2-20036/1189                | 11/23/76         | 90                  | 9349            | 36.0         | 141.1        | GGGG                               |                     |                      | 160                   | 44                   |
| 07153E 5722N                            | 2530-05314        | 00000/0000                   | 2-20032/0593                | 09/03/76         | 10                  | 8220            | 36.5         | 148.7        | GGGG                               |                     |                      | 169                   | 20                   |
| 07153E 4151N                            | 2459-05110        | 00000/0000                   | 2-20024/0563                | 04/25/76         | 10                  | 6393            | 51.4         | 129.2        | GGGG                               |                     |                      | 164                   | 31                   |
| 07153E 3313N                            | 2439-05024        | 00000/0000                   | 2-20022/1344                | 04/05/76         | 50                  | 6114            | 49.1         | 124.2        | GGGG                               |                     |                      | 162                   | 37                   |
| 07153E 2302N                            | 2365-04561        | 00000/0000                   | 2-20019/0194                | 01/22/76         | 0                   | 5082            | 34.0         | 137.1        | GGGG                               |                     |                      | 160                   | 44                   |
| 07152E 4151N                            | 2441-05114        | 00000/0000                   | 2-20022/1412                | 04/07/76         | 0                   | 6142            | 45.7         | 133.5        | GGGG                               |                     |                      | 164                   | 31                   |
| 07152E 3310N                            | 2565-04592        | 00000/0000                   | 2-20030/0990                | 08/09/76         | 20                  | 7871            | 54.3         | 110.6        | GGGG                               |                     |                      | 162                   | 37                   |
| 07152E 2301N                            | 2401-04552        | 00000/0000                   | 2-20021/0765                | 02/27/76         | 0                   | 5584            | 41.6         | 126.6        | GGGG                               |                     |                      | 160                   | 44                   |

KEYS: CLOUD COVER % ..... 0 TO 100 \* % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 LANDSAT-2  
 COORDINATE LISTING  
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FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07152E                                  | 2301N             | 2635-04484                                         | 00000/0000       | 2-20034/0897        | 10/18/76        | 0            | 8847         | 44.6                               | 132.5               |                      |                       |                      |
| 07152E                                  | 2301N             | 2653-04484                                         | 00000/0000       | 2-20035/0551        | 11/05/76        | 0            | 9098         | 40.2                               | 138.1               | FGGG                 | 160                   | 44                   |
| 07151E                                  | 3312N             | 2727-04533                                         | 00000/0000       | 2-20038/1441        | 01/18/77        | 70           | 130          | 25.5                               | 141.0               | GGGG                 | 160                   | 44                   |
| 07151E                                  | 3310N             | 2691-04550                                         | 00000/0000       | 2-20037/0762        | 12/13/76        | 0            | 9628         | 25.5                               | 146.4               | FFFF                 | 162                   | 37                   |
| 07151E                                  | 3307N             | 2493-05011                                         | 00000/0000       | 2-20026/0407        | 05/29/76        | 0            | 6867         | 59.5                               | 103.8               | GGGG                 | 162                   | 37                   |
| 07151E                                  | 3302N             | 2511-05005                                         | 00000/0000       | 2-20024/1569        | 06/16/76        | 40           | 7118         | 59.5                               | 99.9                | GGGG                 | 162                   | 37                   |
| 07150E                                  | 5720N             | 2572-05321                                         | 00000/0000       | 2-20030/1595        | 08/16/76        | 20           | 7969         | 42.1                               | 145.0               | GGGL                 | 162                   | 37                   |
| 07150E                                  | 4149N             | 2711-05030                                         | 00000/0000       | 2-20038/0549        | 01/02/77        | 90           | 9907         | 18.3                               | 147.8               | GGGG                 | 169                   | 20                   |
| 07150E                                  | 3732N             | 2440-05071                                         | 00000/0000       | 2-20027/1402        | 04/06/76        | 0            | 6128         | 47.5                               | 128.9               | GGGG                 | 164                   | 31                   |
| 07149E                                  | 5715N             | 2482-05343                                         | 00000/0000       | 2-20025/0790        | 05/18/76        | 90           | 6714         | 48.5                               | 145.5               | FGFG                 | 163                   | 34                   |
| 07149E                                  | 5713N             | 2554-05324                                         | 00000/0000       | 2-20030/0330        | 07/29/76        | 30           | 7718         | 46.8                               | 141.9               | GGGF                 | 169                   | 20                   |
| 07149E                                  | 0714S             | 2630-04285                                         | 00000/0000       | 2-20034/0790        | 10/13/76        | 90           | 8777         | 52.9                               | 93.4                | GGGG                 | 169                   | 20                   |
| 07148E                                  | 5710N             | 2500-05341                                         | 00000/0000       | 2-20024/0826        | 06/05/76        | 0            | 6965         | 51.2                               | 143.0               | GGGG                 | 155                   | 65                   |
| 07148E                                  | 4857N             | 2461-05202                                         | 00000/0000       | 2-20024/0725        | 04/27/76        | 30           | 6421         | 48.3                               | 137.9               | GGGF                 | 169                   | 20                   |
| 07148E                                  | 3306N             | 2673-04554                                         | 00000/0000       | 2-20036/1275        | 11/25/76        | 0            | 9377         | 28.6                               | 146.8               | GGGG                 | 166                   | 26                   |
| 07148E                                  | 3303N             | 2403-05035                                         | 00000/0000       | 2-20021/0864        | 02/29/76        | 90           | 5612         | 37.0                               | 134.2               | GGGG                 | 162                   | 37                   |
| 07148E                                  | 2248N             | 2383-04555                                         | 00000/0000       | 2-20020/1222        | 02/09/76        | 0            | 5333         | 37.2                               | 132.1               | GGGG                 | 162                   | 37                   |
| 07147E                                  | 5713N             | 2608-05311                                         | 00000/0000       | 2-20032/1566        | 09/21/76        | 90           | 8471         | 30.4                               | 152.4               | GGGG                 | 160                   | 44                   |
| 07147E                                  | 4854N             | 2713-05122                                         | 00000/0000       | 2-20038/1127        | 01/04/77        | 20           | 9935         | 13.1                               | 150.5               | GGGG                 | 169                   | 20                   |
| 07147E                                  | 3732N             | 2710-04554                                         | 00000/0000       | 2-20038/0444        | 01/01/77        | 100          | 9893         | 21.3                               | 146.1               | FF                   | 166                   | 26                   |
| 07147E                                  | 3306N             | 2601-04582                                         | 00000/0000       | 2-20037/1259        | 09/14/76        | 20           | 8373         | 47.5                               | 127.5               | GGGG                 | 163                   | 34                   |
| 07146E                                  | 4853N             | 2569-05173                                         | 00000/0000       | 2-20030/1196        | 08/13/76        | 30           | 7927         | 47.8                               | 133.9               | GGGG                 | 162                   | 37                   |
| 07146E                                  | 4146N             | 2729-05022                                         | 00000/0000       | 2-20040/0019        | 01/20/77        | 60           | 158          | 20.0                               | 144.7               | G                    | 166                   | 26                   |
| 07146E                                  | 4145N             | 2693-05035                                         | 00000/0000       | 2-20037/0909        | 12/15/76        | 30           | 9656         | 18.9                               | 150.0               | GGGG                 | 164                   | 31                   |
| 07146E                                  | 3730N             | 2566-05034                                         | 00000/0000       | 2-20030/1045        | 08/10/76        | 0            | 7885         | 53.1                               | 117.5               | GGGG                 | 164                   | 31                   |
| 07146E                                  | 3730N             | 2584-05031                                         | 00000/0000       | 2-20037/0285        | 08/28/76        | 10           | 8136         | 49.5                               | 125.0               | GGGG                 | 163                   | 34                   |
| 07145E                                  | 5707N             | 2536-05331                                         | 00000/0000       | 2-20028/1025        | 07/11/76        | 80           | 7467         | 50.1                               | 140.4               | GGGG                 | 163                   | 34                   |
| 07145E                                  | 4851N             | 2695-05131                                         | 00000/0000       | 2-20038/0026        | 12/17/76        | 20           | 9684         | 13.3                               | 152.9               | GGGG                 | 169                   | 20                   |
| 07145E                                  | 4135N             | 2513-05024                                         | 00000/0000       | 2-20026/1768        | 06/18/76        | 30           | 7146         | 58.4                               | 115.5               | GGFG                 | 166                   | 26                   |
| 07145E                                  | 3729N             | 2692-04592                                         | 00000/0000       | 2-20037/0805        | 12/14/76        | 80           | 9642         | 22.2                               | 148.3               | GGGG                 | 164                   | 31                   |
| 07145E                                  | 3724N             | 2548-05042                                         | 00000/0000       | 2-20030/0020        | 07/23/76        | 10           | 7634         | 56.0                               | 111.2               | GGGG                 | 163                   | 34                   |
| 07144E                                  | 4140N             | 2675-05044                                         | 00000/0000       | 2-20036/1318        | 11/27/76        | 10           | 9405         | 21.7                               | 150.9               | GGPG                 | 163                   | 34                   |
| 07144E                                  | 3729N             | 2728-04580                                         | 00000/0000       | 2-20039/0131        | 01/19/77        | 80           | 144          | 22.8                               | 142.9               | GGGG                 | 164                   | 31                   |
| 07144E                                  | 3725N             | 2674-05001                                         | 00000/0000       | 2-20036/1545        | 11/26/76        | 10           | 9391         | 25.1                               | 149.0               | GGGG                 | 163                   | 34                   |
| 07143E                                  | 5433N             | 2445-05304                                         | 00000/0000       | 2-20027/1663        | 04/11/76        | 10           | 6198         | 39.4                               | 146.2               | GGF                  | 168                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=IRW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
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FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SARIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07143E 5433N                            | 2463-05301        | 00000/0000                   | 2-20024/0969                | 04/29/76         | 70                  | 6449            | 45.5         | 144.4        | GGGG                               |                     |                      | 168                   | 22                   |
| 07143E 4852N                            | 2731-05114        | 00000/0000                   | 2-20039/0173                | 01/22/77         | 40                  | 186             | 15.3         | 147.7        | FGGG                               |                     |                      | 166                   | 26                   |
| 07143E 4846N                            | 2677-05135        | 00000/0000                   | 2-20036/1502                | 11/29/76         | 30                  | 9433            | 15.7         | 154.1        | GGGF                               |                     |                      | 166                   | 26                   |
| 07143E 3722N                            | 2494-05054        | 00000/0000                   | 2-20026/0420                | 05/30/76         | 0                   | 6881            | 59.0         | 111.4        | GGGG                               |                     |                      | 163                   | 34                   |
| 07142E 5705N                            | 2518-05334        | 00000/0000                   | 2-20027/0377                | 06/23/76         | 20                  | 7216            | 51.7         | 140.9        | GGFG                               |                     |                      | 169                   | 20                   |
| 07142E 5146N                            | 2444-05255        | 00000/0000                   | 2-20027/1723                | 04/10/76         | 10                  | 6184            | 40.9         | 143.4        | GGFG                               |                     |                      | 167                   | 24                   |
| 07142E 5146N                            | 2462-05252        | 00000/0000                   | 2-20024/0734                | 04/28/76         | 20                  | 6435            | 46.9         | 141.1        | GGGG                               |                     |                      | 167                   | 24                   |
| 07142E 4139N                            | 2639-05060        | 00000/0000                   | 2-20034/1008                | 10/22/76         | 10                  | 8903            | 31.4         | 147.6        | FGGG                               |                     |                      | 164                   | 31                   |
| 07142E 4135N                            | 2657-05050        | 00000/0000                   | 2-20036/0137                | 11/09/76         | 50                  | 9154            | 26.1         | 150.2        | GGGG                               |                     |                      | 164                   | 31                   |
| 07142E 3718N                            | 2512-05052        | 00000/0000                   | 2-20027/0088                | 06/17/76         | 20                  | 7132            | 59.2         | 107.7        | GGGG                               |                     |                      | 163                   | 34                   |
| 07142E 2728N                            | 2438-04584        | 00000/0000                   | 2-20027/1251                | 04/04/76         | 30                  | 6100            | 50.8         | 117.4        | GGGG                               |                     |                      | 161                   | 41                   |
| 07141E 5143N                            | 2714-05170        | 00000/0000                   | 2-20038/0797                | 01/05/77         | 20                  | 9949            | 11.0         | 151.7        | GGGG                               |                     |                      | 167                   | 24                   |
| 07141E 4846N                            | 2551-05180        | 00000/0000                   | 2-20030/0060                | 07/26/76         | 20                  | 7676            | 51.9         | 129.6        | GGGG                               |                     |                      | 166                   | 26                   |
| 07141E 3248N                            | 2385-05040        | 00000/0000                   | 2-20020/1333                | 02/11/76         | 100                 | 5361            | 31.8         | 138.3        | GGGG                               |                     |                      | 162                   | 37                   |
| 07140E 5433N                            | 2589-05264        | 00000/0000                   | 2-20032/0531                | 09/02/76         | 60                  | 8206            | 38.7         | 145.5        | GGGG                               |                     |                      | 168                   | 22                   |
| 07140E 5429N                            | 2431-05294        | 00000/0000                   | 2-20025/0693                | 05/17/76         | 30                  | 6700            | 50.1         | 141.8        | GGGG                               |                     |                      | 168                   | 22                   |
| 07140E 4844N                            | 2533-05183        | 00000/0000                   | 2-20028/0946                | 07/08/76         | 10                  | 7425            | 54.7         | 127.4        | GGGG                               |                     |                      | 164                   | 26                   |
| 07140E 0836S                            | 2450-04342        | 00000/0000                   | 2-20023/0260                | 04/16/76         | 20                  | 6267            | 46.3         | 65.4         | GGGF                               |                     | H                    | 155                   | 66                   |
| 07139E 5137N                            | 2480-05245        | 00000/0000                   | 2-20025/0477                | 05/16/76         | 0                   | 6686            | 51.6         | 138.0        | FGGG                               |                     |                      | 167                   | 24                   |
| 07139E 4842N                            | 2659-05144        | 00000/0000                   | 2-20036/0315                | 11/11/76         | 50                  | 9182            | 20.0         | 154.0        | GGGG                               |                     |                      | 166                   | 26                   |
| 07139E 2727N                            | 2708-04501        | 00000/0000                   | 2-20038/0406                | 12/30/76         | 70                  | 9865            | 28.4         | 141.7        | GF                                 |                     |                      | 161                   | 41                   |
| 07139E 2727N                            | 2726-04433        | 00000/0000                   | 2-20039/0060                | 01/17/77         | 10                  | 116             | 29.1         | 138.3        | GGGG                               |                     |                      | 161                   | 41                   |
| 07139E 2724N                            | 2420-04591        | 00000/0000                   | 2-20021/1725                | 03/17/76         | 10                  | 5849            | 45.4         | 124.2        | GGGG                               |                     |                      | 161                   | 41                   |
| 07138E 5431N                            | 2571-05271        | 00000/0000                   | 2-20030/1304                | 08/15/76         | 30                  | 7955            | 44.1         | 141.4        | FFFF                               |                     |                      | 168                   | 22                   |
| 07138E 5144N                            | 2570-05222        | 00000/0000                   | 2-20030/1262                | 08/14/76         | 40                  | 7941            | 46.0         | 137.7        | GGGG                               |                     |                      | 167                   | 24                   |
| 07138E 5141N                            | 2696-05130        | 00000/0000                   | 2-20038/0070                | 12/18/76         | 90                  | 9698            | 11.0         | 154.0        | GGGF                               |                     |                      | 167                   | 24                   |
| 07138E 4837N                            | 2515-05190        | 00000/0000                   | 2-20026/1729                | 06/20/76         | 70                  | 7174            | 56.1         | 127.6        | GGGG                               |                     |                      | 166                   | 26                   |
| 07138E 2727N                            | 2690-04505        | 00000/0000                   | 2-20037/0686                | 12/12/76         | 0                   | 9614            | 29.7         | 143.7        | PPGF                               |                     |                      | 161                   | 41                   |
| 07138E 0836S                            | 2432-04345        | 00000/0000                   | 2-20027/0855                | 03/29/76         | 20                  | 6016            | 47.6         | 75.2         | FGGG                               |                     | H                    | 155                   | 66                   |
| 07137E 5146N                            | 2588-05215        | 00000/0000                   | 2-20032/0502                | 09/01/76         | 90                  | 8192            | 40.9         | 142.4        | GGGG                               |                     |                      | 167                   | 24                   |
| 07137E 2723N                            | 2672-04514        | 00000/0000                   | 2-20037/0184                | 11/24/76         | 0                   | 9363            | 32.9         | 143.7        | GGGG                               |                     |                      | 161                   | 41                   |
| 07136E 2724N                            | 2600-04541        | 00000/0000                   | 2-20032/1204                | 09/13/76         | 40                  | 8359            | 50.1         | 120.3        | FGGG                               |                     |                      | 161                   | 41                   |
| 07136E 2722N                            | 2402-04595        | 00000/0000                   | 2-20021/0811                | 02/28/76         | 10                  | 5598            | 39.8         | 129.9        | GGGG                               |                     |                      | 161                   | 41                   |
| 07136E 2721N                            | 2366-05004        | 00000/0000                   | 2-20020/0344                | 01/23/76         | 0                   | 5096            | 31.4         | 139.5        | FGGG                               |                     |                      | 161                   | 41                   |
| 07135E 5422N                            | 2679-05234        | 00000/0000                   | 2-20036/1720                | 12/01/76         | 90                  | 9461            | 10.9         | 156.7        | GGGG                               |                     |                      | 168                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   |                            |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07135E                      | 5420N             | 2535-05282            | 00000/0000                 | 2-20028/1063     | 07/10/76            | 80              | 7453         | 51.8         | 136.2                 | GGGG                |                      | 168                   | 22                   |
| 07135E                      | 5134N             | 2678-05185            | 00000/0000                 | 2-20036/1620     | 11/30/76            | 10              | 9447         | 13.3         | 155.4                 | FGGF                |                      | 167                   | 24                   |
| 07135E                      | 2142N             | 2707-04461            | 00000/0000                 | 2-20036/0684     | 12/29/76            | 0               | 9851         | 32.2         | 138.8                 | GGGF                |                      | 160                   | 45                   |
| 07135E                      | 2139N             | 2659-04465            | 00000/0000                 | 2-20037/0662     | 12/11/76            | 10              | 9600         | 33.8         | 140.6                 | GGGG                |                      | 160                   | 45                   |
| 07134E                      | 5137N             | 2606-05212            | 00000/0000                 | 2-20032/1526     | 09/19/76            | 20              | 8443         | 35.1         | 147.0                 | GGGG                |                      | 167                   | 24                   |
| 07134E                      | 5134N             | 2552-05230            | 00000/0000                 | 2-20030/0264     | 07/27/76            | 20              | 7690         | 50.3         | 133.8                 | GGGG                |                      | 167                   | 24                   |
| 07134E                      | 2142N             | 2725-04453            | 00000/0000                 | 2-20039/0092     | 01/16/77            | 10              | 102          | 32.5         | 135.3                 | GGGG                |                      | 160                   | 45                   |
| 07133E                      | 5420N             | 2499-05292            | 00000/0000                 | 2-20026/0793     | 06/04/76            | 10              | 6951         | 52.8         | 138.8                 | GGGG                |                      | 168                   | 22                   |
| 07133E                      | 5131N             | 2534-05233            | 00000/0000                 | 2-20028/0996     | 07/09/76            | 40              | 7439         | 53.3         | 131.8                 | GGGG                |                      | 167                   | 24                   |
| 07132E                      | 5132N             | 2498-05242            | 00000/0000                 | 2-20026/0679     | 06/03/76            | 60              | 6937         | 54.2         | 134.6                 | FGGG                |                      | 167                   | 24                   |
| 07132E                      | 2140N             | 2671-04474            | 00000/0000                 | 2-20036/1190     | 11/23/76            | 90              | 9349         | 37.0         | 140.2                 | GFFF                |                      | 160                   | 45                   |
| 07131E                      | 5416N             | 2517-05285            | 00000/0000                 | 2-20027/0334     | 06/22/76            | 10              | 7202         | 53.3         | 136.6                 | GGGG                |                      | 168                   | 22                   |
| 07131E                      | 5129N             | 2516-05241            | 00000/0000                 | 2-20027/0129     | 06/21/76            | 60              | 7188         | 54.8         | 132.2                 | GGGG                |                      | 167                   | 24                   |
| 07131E                      | 2136N             | 2365-04563            | 00000/0000                 | 2-20019/0195     | 01/22/76            | 0               | 5082         | 34.9         | 136.2                 | GGG                 |                      | 160                   | 45                   |
| 07130E                      | 5130N             | 2660-05192            | 00000/0000                 | 2-20036/0356     | 11/12/76            | 20              | 9196         | 17.5         | 155.5                 | GGGG                |                      | 167                   | 24                   |
| 07130E                      | 2705N             | 2384-05002            | 00000/0000                 | 2-20020/1266     | 02/10/76            | 0               | 5347         | 35.0         | 134.8                 | FFFF                |                      | 161                   | 41                   |
| 07130E                      | 2135N             | 2401-04555            | 00000/0000                 | 2-20021/0766     | 02/27/76            | 0               | 5584         | 42.2         | 125.3                 | GGGG                |                      | 160                   | 45                   |
| 07130E                      | 2135N             | 2635-04490            | 00000/0000                 | 2-20034/0898     | 10/18/76            | 0               | 8847         | 45.4         | 131.1                 | GGGF                |                      | 160                   | 45                   |
| 07130E                      | 2135N             | 2653-04482            | 00000/0000                 | 2-20035/0552     | 11/05/76            | 0               | 9098         | 41.1         | 137.0                 | GGGG                |                      | 160                   | 45                   |
| 07126E                      | 4439N             | 2712-05080            | 00000/0000                 | 2-20038/0636     | 01/03/77            | 90              | 9921         | 16.2         | 148.9                 | GGGG                |                      | 165                   | 29                   |
| 07126E                      | 3146N             | 2727-04540            | 00000/0000                 | 2-20038/1442     | 01/18/77            | 50              | 130          | 26.5         | 140.3                 | PFFF                |                      | 162                   | 38                   |
| 07126E                      | 2122N             | 2353-04562            | 00000/0000                 | 2-20020/1223     | 02/09/76            | 0               | 5333         | 38.0         | 131.1                 | GGGF                |                      | 160                   | 45                   |
| 07125E                      | 3144N             | 2691-04552            | 00000/0000                 | 2-20037/0763     | 12/13/76            | 0               | 9628         | 26.6         | 145.7                 | FGGG                |                      | 162                   | 38                   |
| 07124E                      | 5846N             | 2465-05402            | 00000/0000                 | 2-20024/1053     | 05/01/76            | 30              | 6477         | 43.2         | 149.4                 | GGGG                |                      | 170                   | 19                   |
| 07124E                      | 4437N             | 2730-05072            | 00000/0000                 | 2-20039/0910     | 01/21/77            | 90              | 172          | 18.2         | 145.9                 | FGGF                |                      | 165                   | 29                   |
| 07124E                      | 4435N             | 2694-05084            | 00000/0000                 | 2-20037/0981     | 12/16/76            | 100             | 9670         | 16.7         | 151.1                 | FGGG                |                      | 165                   | 29                   |
| 07123E                      | 4433N             | 2676-05093            | 00000/0000                 | 2-20036/1428     | 11/28/76            | 70              | 9419         | 19.3         | 152.2                 | FGGF                |                      | 165                   | 29                   |
| 07123E                      | 3139N             | 2673-04561            | 00000/0000                 | 2-20034/1276     | 11/25/76            | 0               | 9377         | 29.6         | 146.1                 | GGGG                |                      | 162                   | 38                   |
| 07122E                      | 4025N             | 2441-05120            | 00000/0000                 | 2-20022/1413     | 04/07/76            | 10              | 6142         | 46.4         | 131.9                 | GGGG                |                      | 164                   | 32                   |
| 07122E                      | 4025N             | 2459-05113            | 00000/0000                 | 2-20024/0564     | 04/25/76            | 10              | 6393         | 52.1         | 127.3                 | GGGG                |                      | 164                   | 32                   |
| 07122E                      | 3006N             | 2440-05073            | 00000/0000                 | 2-20022/1403     | 04/06/76            | 10              | 6128         | 48.2         | 127.3                 | FGGG                |                      | 163                   | 35                   |
| 07122E                      | 3140N             | 2601-04584            | 00000/0000                 | 2-20032/1260     | 09/14/76            | 10              | 8373         | 48.2         | 125.9                 | FGGG                |                      | 162                   | 38                   |
| 07120E                      | 5843N             | 2573-05372            | 00000/0000                 | 2-20030/1368     | 05/17/76            | 10              | 7983         | 40.9         | 146.8                 | FGGG                |                      | 170                   | 19                   |
| 07120E                      | 4430N             | 2658-05101            | 00000/0000                 | 2-20036/0176     | 11/10/76            | 80              | 9168         | 23.6         | 151.7                 | GGGG                |                      | 165                   | 29                   |
| 07119E                      | 5845N             | 2591-05365            | 00000/0000                 | 2-20032/0744     | 09/04/76            | 10              | 8234         | 35.2         | 150.4                 | FFPG                |                      | 170                   | 19                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FBR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0955

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07119E 5838N                            | 2555-05330        | 00000/0000                   | 2-20030/0412                | 07/30/76         | 50                  | 7732            | 45.7         | 144.0        | GGGG                               |                     |                      | 170                   | 19                   |
| 07119E 4023N                            | 2711-05033        | 00000/0000                   | 2-20038/0550                | 01/02/77         | 90                  | 9907            | 19.3         | 147.2        | GGGG                               |                     |                      | 164                   | 32                   |
| 07119E 3606N                            | 2710-04590        | 00000/0000                   | 2-20038/0445                | 01/01/77         | 90                  | 9893            | 22.4         | 145.5        | GGGG                               |                     |                      | 163                   | 35                   |
| 07119E 3604N                            | 2566-05041        | 00000/0000                   | 2-20030/1046                | 08/10/76         | 10                  | 7885            | 53.5         | 115.4        | GGGG                               |                     |                      | 163                   | 35                   |
| 07118E 3604N                            | 2584-05034        | 00000/0000                   | 2-20037/0286                | 08/28/76         | 90                  | 8136            | 50.1         | 123.2        | GGGG                               |                     |                      | 163                   | 35                   |
| 07118E 3604N                            | 2692-04595        | 00000/0000                   | 2-20037/0806                | 12/14/76         | 20                  | 9642            | 23.3         | 147.6        | GGGG                               |                     |                      | 163                   | 35                   |
| 07118E 3557N                            | 2548-05044        | 00000/0000                   | 2-20030/0021                | 07/23/76         | 20                  | 7634            | 56.2         | 108.9        | GGGG                               |                     |                      | 163                   | 35                   |
| 07118E 2602N                            | 2438-04590        | 00000/0000                   | 2-20027/1252                | 04/04/76         | 10                  | 6100            | 51.2         | 115.5        | GGGG                               |                     |                      | 161                   | 42                   |
| 07117E 3603N                            | 2728-04532        | 00000/0000                   | 2-20039/0132                | 01/19/77         | 70                  | 144             | 23.7         | 142.2        | FGGG                               |                     |                      | 163                   | 35                   |
| 07116E 4021N                            | 2729-05025        | 00000/0000                   | 2-20040/0020                | 01/20/77         | 60                  | 158             | 21.0         | 144.1        | FGFG                               |                     |                      | 164                   | 32                   |
| 07116E 4020N                            | 2693-05041        | 00000/0000                   | 2-20037/0910                | 12/15/76         | 40                  | 9656            | 20.0         | 149.4        | GGGG                               |                     |                      | 164                   | 32                   |
| 07116E 3600N                            | 2674-05003        | 00000/0000                   | 2-20036/1546                | 11/26/76         | 10                  | 9391            | 26.2         | 148.3        | GGGG                               |                     |                      | 163                   | 35                   |
| 07116E 3556N                            | 2434-05061        | 00000/0000                   | 2-20026/0421                | 05/30/76         | 0                   | 6881            | 59.2         | 108.8        | GGGG                               |                     |                      | 163                   | 35                   |
| 07116E 2601N                            | 2708-04504        | 00000/0000                   | 2-20038/0396                | 12/30/76         | 20                  | 9865            | 29.3         | 141.0        | GGGG                               |                     |                      | 161                   | 42                   |
| 07116E 2601N                            | 2726-04495        | 00000/0000                   | 2-20039/0061                | 01/17/77         | 0                   | 116             | 30.0         | 137.5        | GGGG                               |                     |                      | 161                   | 42                   |
| 07115E 5831N                            | 2537-05383        | 00000/0000                   | 2-20028/1205                | 07/12/76         | 50                  | 7481            | 49.1         | 142.6        | FFGG                               |                     |                      | 170                   | 19                   |
| 07115E 4011N                            | 2513-05101        | 00000/0000                   | 2-20026/1769                | 06/18/76         | 20                  | 7146            | 58.8         | 112.9        | GGGG                               |                     |                      | 164                   | 32                   |
| 07115E 3552N                            | 2512-05054        | 00000/0000                   | 2-20027/0082                | 06/17/76         | 10                  | 7132            | 59.4         | 105.1        | GGGG                               |                     |                      | 163                   | 35                   |
| 07115E 2601N                            | 2690-04512        | 00000/0000                   | 2-20037/0687                | 12/12/76         | 0                   | 9614            | 30.7         | 142.9        | FGGG                               |                     |                      | 161                   | 42                   |
| 07115E 2557N                            | 2420-04594        | 00000/0000                   | 2-20021/1726                | 03/17/76         | 10                  | 5849            | 45.9         | 122.7        | GGGG                               |                     |                      | 161                   | 42                   |
| 07114E 5832N                            | 2501-05393        | 00000/0000                   | 2-20026/0896                | 06/06/76         | 10                  | 6979            | 50.4         | 144.9        | GGGG                               |                     |                      | 170                   | 19                   |
| 07114E 4015N                            | 2675-05050        | 00000/0000                   | 2-20036/1319                | 11/27/76         | 10                  | 9405            | 22.8         | 150.3        | GGGG                               |                     |                      | 164                   | 32                   |
| 07113E 2558N                            | 2600-04544        | 00000/0000                   | 2-20037/1205                | 09/13/76         | 10                  | 8359            | 50.6         | 118.5        | FGGG                               |                     |                      | 161                   | 42                   |
| 07113E 2557N                            | 2672-04521        | 00000/0000                   | 2-20037/0185                | 11/24/76         | 30                  | 9363            | 33.9         | 142.9        | GGGG                               |                     |                      | 161                   | 42                   |
| 07113E 2556N                            | 2402-05001        | 00000/0000                   | 2-20021/0812                | 02/28/76         | 0                   | 5598            | 40.5         | 128.7        | GGGG                               |                     |                      | 161                   | 42                   |
| 07113E 2016N                            | 2707-04463        | 00000/0000                   | 2-20038/0685                | 12/29/76         | 0                   | 9851            | 33.1         | 138.0        | GGFF                               |                     |                      | 160                   | 46                   |
| 07113E 2012N                            | 2639-04472        | 00000/0000                   | 2-20037/0663                | 12/11/76         | 20                  | 9600            | 34.8         | 139.7        | GGGG                               |                     |                      | 160                   | 46                   |
| 07112E 4013N                            | 2639-05062        | 00000/0000                   | 2-20034/1009                | 10/22/76         | 30                  | 8903            | 32.4         | 146.7        | GGGG                               |                     |                      | 164                   | 32                   |
| 07112E 4010N                            | 2657-05054        | 00000/0000                   | 2-20036/0138                | 11/09/76         | 50                  | 9154            | 27.2         | 149.4        | GGGG                               |                     |                      | 164                   | 32                   |
| 07112E 2555N                            | 2366-05010        | 00000/0000                   | 2-20020/0393                | 01/23/76         | 10                  | 5096            | 32.3         | 138.6        | FGFG                               |                     |                      | 161                   | 42                   |
| 07112E 2016N                            | 2725-04455        | 00000/0000                   | 2-20039/0093                | 01/16/77         | 10                  | 102             | 33.4         | 134.4        | GGGG                               |                     |                      | 160                   | 46                   |
| 07111E 5827N                            | 2519-05390        | 00000/0000                   | 2-20027/0479                | 06/24/76         | 10                  | 7230            | 50.8         | 142.9        | GGGG                               |                     |                      | 170                   | 19                   |
| 07110E 2014N                            | 2671-04480        | 00000/0000                   | 2-20036/1191                | 11/23/76         | 80                  | 9349            | 37.9         | 139.2        | GGGF                               |                     |                      | 160                   | 46                   |
| 07109E 4729N                            | 2713-05125        | 00000/0000                   | 2-20038/1128                | 01/04/77         | 90                  | 9935            | 14.1         | 149.9        | GGGG                               |                     |                      | 166                   | 27                   |
| 07109E 4728N                            | 2569-05175        | 00000/0000                   | 2-20030/1225                | 08/13/76         | 10                  | 7927            | 48.6         | 132.1        | GGG                                |                     |                      | 166                   | 27                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US  
FROM 01/22/76 TO 01/22/77

PAGE 0956

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RALI<br>MSG | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07109E                      | 0417S             | 2415-04395                   | 00000/0000                  | 2-20021/1317     | 03/12/76            | 50              | 5779         | 48.8         | 90.1                               | FFFF                |                      | 156                   | 63                   |
| 07109E                      | 0417S             | 2685-04314                   | 00000/0000                  | 2-20037/0374     | 12/07/76            | 40              | 9544         | 48.3         | 119.7                              | GGGG                | H                    | 156                   | 63                   |
| 07109E                      | 0418S             | 2703-04305                   | 00000/0000                  | 2-20037/1316     | 12/25/76            | 60              | 9795         | 46.0         | 119.7                              | GGGG                | H                    | 156                   | 63                   |
| 07108E                      | 4727N             | 2695-05133                   | 00000/0000                  | 2-20038/0027     | 12/17/76            | 70              | 9684         | 14.4         | 152.3                              | GGGG                |                      | 166                   | 27                   |
| 07107E                      | 5600N             | 2464-05353                   | 00000/0000                  | 2-20024/0762     | 04/30/76            | 10              | 6463         | 44.8         | 146.0                              | GGGG                |                      | 169                   | 21                   |
| 07106E                      | 5559N             | 2446-05360                   | 00000/0000                  | 2-20022/1809     | 04/12/76            | 10              | 6212         | 38.8         | 147.6                              | GGGG                |                      | 169                   | 21                   |
| 07106E                      | 4727N             | 2731-05121                   | 00000/0000                  | 2-20039/0174     | 01/22/77            | 10              | 186          | 16.3         | 147.0                              | GGGF                |                      | 166                   | 27                   |
| 07106E                      | 4721N             | 2677-05142                   | 00000/0000                  | 2-20036/1503     | 11/29/76            | 70              | 9433         | 16.8         | 153.5                              | GGGG                |                      | 166                   | 27                   |
| 07106E                      | 2539N             | 2384-05004                   | 00000/0000                  | 2-20020/1267     | 02/10/76            | 0               | 5347         | 35.8         | 133.8                              | GGGF                |                      | 161                   | 42                   |
| 07105E                      | 4721N             | 2551-05183                   | 00000/0000                  | 2-20030/0061     | 07/26/76            | 40              | 7676         | 52.5         | 127.6                              | GGGG                |                      | 166                   | 27                   |
| 07103E                      | 4719N             | 2533-05190                   | 00000/0000                  | 2-20028/0947     | 07/05/76            | 10              | 7425         | 55.3         | 125.1                              | GGGG                |                      | 166                   | 27                   |
| 07102E                      | 5559N             | 2590-05320                   | 00000/0000                  | 2-20032/0594     | 09/03/76            | 10              | 8220         | 37.4         | 147.3                              | FGGG                |                      | 169                   | 21                   |
| 07102E                      | 5021N             | 2444-05261                   | 00000/0000                  | 2-20022/1803     | 04/10/76            | 10              | 6184         | 41.8         | 142.0                              | GGGG                |                      | 167                   | 25                   |
| 07102E                      | 4717N             | 2653-05150                   | 00000/0000                  | 2-20036/0316     | 11/11/76            | 10              | 9182         | 21.1         | 153.2                              | GGGG                |                      | 166                   | 27                   |
| 07102E                      | 4713N             | 2515-05193                   | 00000/0000                  | 2-20026/1730     | 06/20/76            | 50              | 7174         | 56.6         | 125.2                              | GGGG                |                      | 166                   | 27                   |
| 07101E                      | 5020N             | 2462-05254                   | 00000/0000                  | 2-20024/0735     | 04/28/76            | 20              | 6435         | 47.8         | 139.4                              | GGGG                |                      | 167                   | 25                   |
| 07101E                      | 3020N             | 2727-04542                   | 00000/0000                  | 2-20038/1443     | 01/18/77            | 20              | 130          | 27.4         | 139.5                              | PPPP                |                      | 162                   | 39                   |
| 07101E                      | 3018N             | 2691-04555                   | 00000/0000                  | 2-20037/0764     | 12/13/76            | 0               | 9628         | 27.6         | 145.1                              | FGGG                |                      | 162                   | 39                   |
| 07100E                      | 5019N             | 2714-05174                   | 00000/0000                  | 2-20038/0798     | 01/05/77            | 30              | 9949         | 12.1         | 151.0                              | FGGG                |                      | 167                   | 25                   |
| 07059E                      | 5556N             | 2572-05323                   | 00000/0000                  | 2-20030/1596     | 08/16/76            | 30              | 7969         | 43.0         | 143.3                              | GGGG                |                      | 169                   | 21                   |
| 07059E                      | 3013N             | 2673-04563                   | 00000/0000                  | 2-20036/1277     | 11/25/76            | 0               | 9377         | 30.6         | 145.3                              | GGGG                |                      | 162                   | 39                   |
| 07058E                      | 5549N             | 2554-05330                   | 00000/0000                  | 2-20030/0331     | 07/29/76            | 20              | 7718         | 47.6         | 140.0                              | GGGG                |                      | 169                   | 21                   |
| 07058E                      | 5546N             | 2500-05343                   | 00000/0000                  | 2-20026/0827     | 06/05/76            | 0               | 6965         | 52.0         | 140.8                              | GGGG                |                      | 169                   | 21                   |
| 07058E                      | 5309N             | 2445-05311                   | 00000/0000                  | 2-20022/1664     | 04/11/76            | 30              | 6198         | 40.4         | 144.7                              | GGF                 |                      | 168                   | 23                   |
| 07058E                      | 5012N             | 2480-05251                   | 00000/0000                  | 2-20025/0478     | 05/16/76            | 0               | 6686         | 52.4         | 136.0                              | GGGG                |                      | 167                   | 25                   |
| 07057E                      | 5309N             | 2463-05303                   | 00000/0000                  | 2-20024/0970     | 04/29/76            | 10              | 6449         | 46.4         | 142.7                              | GGGG                |                      | 163                   | 23                   |
| 07057E                      | 5309N             | 2715-05223                   | 00000/0000                  | 2-20038/0869     | 01/06/77            | 20              | 9963         | 10.0         | 152.2                              | F                   |                      | 168                   | 23                   |
| 07057E                      | 5019N             | 2570-05225                   | 00000/0000                  | 2-20030/1263     | 08/14/76            | 30              | 7941         | 46.8         | 136.0                              | GGGG                |                      | 167                   | 25                   |
| 07057E                      | 5016N             | 2696-05182                   | 00000/0000                  | 2-20038/0071     | 12/18/76            | 30              | 9698         | 12.1         | 153.4                              | GGGG                |                      | 167                   | 25                   |
| 07057E                      | 4315N             | 2460-05162                   | 00000/0000                  | 2-20024/0848     | 04/26/76            | 10              | 6407         | 51.1         | 130.8                              | GGGG                |                      | 165                   | 30                   |
| 07057E                      | 3014N             | 2601-04591                   | 00000/0000                  | 2-20032/1261     | 09/14/76            | 10              | 8373         | 48.8         | 124.2                              | GGGG                |                      | 162                   | 39                   |
| 07056E                      | 6009N             | 2574-05424                   | 00000/0000                  | 2-20030/1498     | 08/18/76            | 10              | 7997         | 39.6         | 148.7                              | FGGG                |                      | 171                   | 18                   |
| 07056E                      | 5549N             | 2608-05313                   | 00000/0000                  | 2-20032/1567     | 09/21/76            | 90              | 8471         | 31.4         | 151.1                              | GGGG                |                      | 169                   | 21                   |
| 07056E                      | 5021N             | 2588-05222                   | 00000/0000                  | 2-20032/0503     | 09/01/76            | 80              | 8192         | 41.8         | 140.9                              | GGGG                |                      | 167                   | 25                   |
| 07056E                      | 2436N             | 2438-04593                   | 00000/0000                  | 2-20022/1253     | 04/04/76            | 10              | 6100         | 51.6         | 113.6                              | GGGG                |                      | 161                   | 43                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0957

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07055E 5305N                            | 2481-05301        | 00000/0000                   | 2-20025/0694                | 05/17/76         | 70                  | 6700            | 50.9         | 139.9        | GGGG                               |                     |                      | 168                   | 23                   |
| 07055E 3441N                            | 2440-05070        | 00000/0000                   | 2-20022/1404                | 04/06/76         | 40                  | 6128            | 48.8         | 125.6        | GGGG                               |                     |                      | 163                   | 36                   |
| 07055E 3440N                            | 2458-05073        | 00000/0000                   | 2-20024/0404                | 04/24/76         | 90                  | 6379            | 54.0         | 119.4        | GGGG                               |                     |                      | 163                   | 36                   |
| 07054E 6007N                            | 2592-05421        | 00000/0000                   | 2-20032/0704                | 09/05/76         | 10                  | 8248            | 33.9         | 152.0        | FFFF                               |                     |                      | 171                   | 18                   |
| 07054E 5309N                            | 2589-05271        | 00000/0000                   | 2-20032/0532                | 09/02/76         | 10                  | 8206            | 39.7         | 144.1        | GGGG                               |                     |                      | 168                   | 23                   |
| 07054E 5305N                            | 2697-05232        | 00000/0000                   | 2-20038/0305                | 12/19/76         | 90                  | 9712            | 9.8          | 154.6        | FFFF                               |                     |                      | 168                   | 23                   |
| 07054E 5010N                            | 2678-05191        | 00000/0000                   | 2-20036/1621                | 11/30/76         | 10                  | 9447            | 14.4         | 154.7        | GGGF                               |                     |                      | 167                   | 25                   |
| 07054E 4313N                            | 2442-05165        | 00000/0000                   | 2-20022/1616                | 04/08/76         | 0                   | 6156            | 45.3         | 134.8        | GGGG                               |                     |                      | 165                   | 30                   |
| 07054E 4313N                            | 2712-05082        | 00000/0000                   | 2-20038/0637                | 01/03/77         | 90                  | 9921            | 17.3         | 148.2        | GGGG                               |                     |                      | 165                   | 30                   |
| 07053E 5543N                            | 2536-05334        | 00000/0000                   | 2-20022/1026                | 07/11/76         | 60                  | 7467            | 50.9         | 138.3        | GGGG                               |                     |                      | 169                   | 21                   |
| 07053E 5012N                            | 2606-05215        | 00000/0000                   | 2-20032/1527                | 09/19/76         | 10                  | 8443            | 36.1         | 145.8        | GGGG                               |                     |                      | 167                   | 25                   |
| 07053E 3441N                            | 2710-04593        | 00000/0000                   | 2-20038/0446                | 01/01/77         | 90                  | 9893            | 23.4         | 144.8        | GGGG                               |                     |                      | 163                   | 36                   |
| 07053E 2435N                            | 2726-04502        | 00000/0000                   | 2-20039/0662                | 01/17/77         | 0                   | 116             | 30.9         | 136.7        | FGGG                               |                     |                      | 161                   | 43                   |
| 07053E 2434N                            | 2708-04510        | 00000/0000                   | 2-20032/0397                | 12/30/76         | 0                   | 9865            | 30.3         | 140.2        | GGGG                               |                     |                      | 161                   | 43                   |
| 07053E 0543S                            | 2451-04391        | 00000/0000                   | 2-20023/0331                | 04/17/76         | 30                  | 6281            | 47.8         | 67.5         | FGGG                               |                     |                      | 156                   | 64                   |
| 07052E 5542N                            | 2518-05341        | 00000/0000                   | 2-20027/0378                | 06/23/76         | 30                  | 7216            | 52.5         | 138.7        | GGGG                               |                     |                      | 169                   | 21                   |
| 07052E 5307N                            | 2571-05274        | 00000/0000                   | 2-20030/1305                | 08/15/76         | 50                  | 7955            | 45.0         | 139.7        | FFFF                               |                     |                      | 168                   | 23                   |
| 07052E 5007N                            | 2498-05245        | 00000/0000                   | 2-20026/0680                | 06/03/76         | 70                  | 6937            | 54.9         | 132.4        | GGGG                               |                     |                      | 167                   | 25                   |
| 07052E 5007N                            | 2534-05235        | 00000/0000                   | 2-20028/0997                | 07/09/76         | 70                  | 7439            | 54.0         | 129.6        | FGFF                               |                     |                      | 167                   | 25                   |
| 07052E 4310N                            | 2694-05051        | 00000/0000                   | 2-20037/0382                | 12/16/76         | 70                  | 9670            | 17.8         | 150.5        | FGGG                               |                     |                      | 165                   | 30                   |
| 07052E 3900N                            | 2459-05115        | 00000/0000                   | 2-20024/0565                | 04/25/76         | 0                   | 6393            | 52.7         | 125.3        | GGGG                               |                     |                      | 164                   | 33                   |
| 07052E 3859N                            | 2441-05123        | 00000/0000                   | 2-20022/1414                | 04/07/76         | 10                  | 6142            | 47.2         | 130.3        | GGGG                               |                     |                      | 164                   | 33                   |
| 07052E 3438N                            | 2566-05043        | 00000/0000                   | 2-20030/1047                | 08/10/76         | 20                  | 7885            | 53.9         | 113.2        | GGGG                               |                     |                      | 163                   | 36                   |
| 07052E 3438N                            | 2584-05040        | 00000/0000                   | 2-20032/0287                | 08/28/76         | 20                  | 8136            | 50.6         | 121.4        | GGGG                               |                     |                      | 163                   | 36                   |
| 07052E 3438N                            | 2692-05001        | 00000/0000                   | 2-20037/0807                | 12/14/76         | 0                   | 9642            | 24.3         | 147.0        | GGGG                               |                     |                      | 163                   | 36                   |
| 07052E 3432N                            | 2548-05051        | 00000/0000                   | 2-20030/0022                | 07/23/76         | 40                  | 7634            | 56.4         | 106.5        | GGFG                               |                     |                      | 163                   | 36                   |
| 07052E 2435N                            | 2690-04514        | 00000/0000                   | 2-20037/0688                | 12/12/76         | 0                   | 9614            | 31.7         | 142.2        | FGGG                               |                     |                      | 161                   | 43                   |
| 07052E 2431N                            | 2420-05000        | 00000/0000                   | 2-20021/1727                | 03/17/76         | 10                  | 5849            | 46.5         | 121.1        | GGGG                               |                     |                      | 161                   | 43                   |
| 07051E 5005N                            | 2516-05242        | 00000/0000                   | 2-20027/0130                | 06/21/76         | 40                  | 7188            | 55.4         | 129.9        | FGGG                               |                     |                      | 167                   | 25                   |
| 07051E 4312N                            | 2730-05074        | 00000/0000                   | 2-20039/0911                | 01/21/77         | 80                  | 172             | 19.2         | 145.2        | FGGF                               |                     |                      | 165                   | 30                   |
| 07051E 4307N                            | 2676-05095        | 00000/0000                   | 2-20036/1429                | 11/28/76         | 30                  | 9419            | 20.4         | 151.6        | GGGG                               |                     |                      | 165                   | 30                   |
| 07051E 2431N                            | 2672-04523        | 00000/0000                   | 2-20037/0186                | 11/24/76         | 70                  | 9363            | 34.9         | 142.0        | GGGG                               |                     |                      | 161                   | 43                   |
| 07051E 1850N                            | 2707-04470        | 00000/0000                   | 2-20038/0686                | 12/29/76         | 0                   | 9851            | 34.0         | 137.1        | FGGF                               |                     |                      | 160                   | 47                   |
| 07051E 1845N                            | 2639-04474        | 00000/0000                   | 2-20037/0664                | 12/11/76         | 10                  | 9600            | 35.7         | 138.9        | GGGG                               |                     |                      | 160                   | 47                   |
| 07050E 5258N                            | 2679-05240        | 00000/0000                   | 2-20036/1721                | 12/01/76         | 90                  | 9461            | 12.0         | 156.0        | GGGF                               |                     |                      | 168                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0958

| PRINCIPAL PRINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN PAIR<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07050E                      | 3857N | 2711-05035 | 00000/0000        | 2-20038/0551                 | 01/02/77                    | 90               | 9907                | 20.3            | 146.6        |              | FGGG                               |                     |                      | 164                   | 33                   |
| 07050E                      | 3437N | 2728-04585 | 00000/0000        | 2-20039/0133                 | 01/19/77                    | 60               | 144                 | 24.7            | 141.5        |              | GGGG                               |                     |                      | 163                   | 36                   |
| 07050E                      | 3430N | 2494-05063 | 00000/0000        | 2-20026/0422                 | 05/30/76                    | 0                | 6881                | 59.4            | 106.1        |              | GGGG                               |                     |                      | 163                   | 36                   |
| 07050E                      | 2430N | 2402-05004 | 00000/0000        | 2-20021/0813                 | 02/28/76                    | 0                | 5598                | 41.2            | 127.5        |              | GGGG                               |                     |                      | 161                   | 43                   |
| 07050E                      | 0545S | 2703-04312 | 00000/0000        | 2-20037/1317                 | 12/25/76                    | 30               | 9795                | 46.5            | 118.3        |              | GGGG                               |                     | H                    | 156                   | 64                   |
| 07049E                      | 5959N | 2556-05431 | 00000/0000        | 2-20030/0372                 | 07/31/76                    | 20               | 7746                | 44.6            | 146.0        |              | GGGG                               |                     |                      | 171                   | 18                   |
| 07049E                      | 5300N | 2553-05281 | 00000/0000        | 2-20030/0220                 | 07/28/76                    | 30               | 7704                | 49.4            | 136.0        |              | GGGG                               |                     |                      | 168                   | 23                   |
| 07049E                      | 5257N | 2535-05284 | 00000/0000        | 2-20028/1064                 | 07/10/76                    | 80               | 7453                | 52.5            | 134.1        |              | GGGG                               |                     |                      | 168                   | 23                   |
| 07049E                      | 5006N | 2660-05195 | 00000/0000        | 2-20036/0357                 | 11/12/76                    | 60               | 9196                | 18.6            | 154.7        |              | GFGG                               |                     |                      | 167                   | 25                   |
| 07049E                      | 3434N | 2674-05010 | 00000/0000        | 2-20036/1547                 | 11/26/76                    | 0                | 9391                | 27.3            | 147.6        |              | GGGG                               |                     |                      | 163                   | 36                   |
| 07049E                      | 3426N | 2512-05061 | 00000/0000        | 2-20027/0090                 | 06/17/76                    | 10               | 7132                | 59.4            | 102.4        |              | GGGG                               |                     |                      | 163                   | 36                   |
| 07049E                      | 2430N | 2654-04531 | 00000/0000        | 2-20036/0028                 | 11/06/76                    | 0                | 9112                | 39.0            | 139.4        |              | GGGG                               |                     |                      | 161                   | 43                   |
| 07049E                      | 2429N | 2366-05013 | 00000/0000        | 2-20020/0394                 | 01/23/76                    | 10               | 5096                | 33.3            | 137.8        |              | GGGG                               |                     |                      | 161                   | 43                   |
| 07049E                      | 2428N | 2636-04535 | 00000/0000        | 2-20034/0902                 | 10/19/76                    | 0                | 8861                | 43.6            | 134.1        |              | FGGG                               |                     |                      | 161                   | 43                   |
| 07049E                      | 0543S | 2415-04402 | 00000/0000        | 2-20021/1518                 | 03/12/76                    | 40               | 5779                | 48.6            | 88.5         |              | FFGG                               |                     | H                    | 156                   | 64                   |
| 07048E                      | 5256N | 2499-05294 | 00000/0000        | 2-20026/0794                 | 06/04/76                    | 10               | 6951                | 53.6            | 136.6        |              | GGG                                |                     |                      | 168                   | 23                   |
| 07048E                      | 4305N | 2658-05104 | 00000/0000        | 2-20036/0177                 | 11/10/76                    | 80               | 9168                | 24.7            | 151.0        |              | GFGG                               |                     |                      | 165                   | 30                   |
| 07048E                      | 4304N | 2640-05112 | 00000/0000        | 2-20034/0965                 | 10/23/76                    | 10               | 8917                | 30.0            | 148.6        |              | GGGG                               |                     |                      | 165                   | 30                   |
| 07048E                      | 4259N | 2514-05150 | 00000/0000        | 2-20027/0034                 | 06/19/76                    | 10               | 7160                | 58.1            | 117.9        |              | GGGG                               |                     |                      | 165                   | 30                   |
| 07048E                      | 3850N | 2423-05130 | 00000/0000        | 2-20027/0292                 | 03/20/76                    | 20               | 5891                | 40.8            | 134.4        |              | GGGG                               |                     |                      | 164                   | 33                   |
| 07047E                      | 5252N | 2517-05291 | 00000/0000        | 2-20027/0335                 | 06/22/76                    | 10               | 7202                | 54.0            | 134.3        |              | GFGG                               |                     |                      | 168                   | 23                   |
| 07047E                      | 3854N | 2693-05044 | 00000/0000        | 2-20037/0911                 | 12/15/76                    | 30               | 9656                | 21.1            | 148.8        |              | GGGG                               |                     |                      | 164                   | 33                   |
| 07046E                      | 5254N | 2661-05245 | 00000/0000        | 2-20036/0489                 | 11/13/76                    | 90               | 9210                | 16.1            | 156.3        |              | GGGG                               |                     |                      | 168                   | 23                   |
| 07046E                      | 3855N | 2729-05031 | 00000/0000        | 2-20040/0021                 | 01/20/77                    | 70               | 158                 | 21.9            | 143.4        |              | GGGG                               |                     |                      | 164                   | 33                   |
| 07046E                      | 3848N | 2531-05100 | 00000/0000        | 2-20028/0749                 | 07/06/76                    | 0                | 7397                | 57.8            | 110.4        |              | GGGG                               |                     |                      | 164                   | 33                   |
| 07046E                      | 3846N | 2513-05103 | 00000/0000        | 2-20024/1770                 | 06/18/76                    | 10               | 7146                | 59.0            | 110.3        |              | GGGG                               |                     |                      | 164                   | 33                   |
| 07045E                      | 3850N | 2675-05053 | 00000/0000        | 2-20036/1320                 | 11/27/76                    | 10               | 9405                | 23.9            | 149.6        |              | GGGG                               |                     |                      | 164                   | 33                   |
| 07044E                      | 3845N | 2405-05134 | 00000/0000        | 2-20021/1009                 | 03/02/76                    | 20               | 5640                | 34.4            | 138.0        |              | GGGG                               |                     |                      | 164                   | 33                   |
| 07044E                      | 2413N | 2354-05011 | 00000/0000        | 2-20020/1268                 | 02/10/76                    | 0                | 5347                | 36.6            | 132.8        |              | FGGG                               |                     |                      | 161                   | 43                   |
| 07043E                      | 3845N | 2657-05061 | 00000/0000        | 2-20036/0139                 | 11/09/76                    | 80               | 9154                | 28.2            | 148.7        |              | GGGG                               |                     |                      | 164                   | 33                   |
| 07041E                      | 5952N | 2536-05435 | 00000/0000        | 2-20028/1276                 | 07/13/76                    | 30               | 7495                | 48.1            | 144.7        |              | GGGG                               |                     |                      | 171                   | 18                   |
| 07039E                      | 5949N | 2520-05442 | 00000/0000        | 2-20028/0055                 | 06/25/76                    | 50               | 7244                | 50.0            | 145.0        |              | GGGG                               |                     |                      | 171                   | 18                   |
| 07037E                      | 4607N | 2461-05211 | 00000/0000        | 2-20024/0726                 | 04/27/76                    | 60               | 6421                | 49.9            | 134.3        |              | GGGG                               |                     |                      | 166                   | 28                   |
| 07037E                      | 2853N | 2727-04545 | 00000/0000        | 2-20038/1444                 | 01/18/77                    | 10               | 130                 | 28.3            | 138.8        |              | PPPP                               |                     |                      | 162                   | 40                   |
| 07037E                      | 2852N | 2691-04561 | 00000/0000        | 2-20037/0765                 | 12/13/76                    | 0                | 9628                | 28.6            | 144.3        |              | FGGG                               |                     |                      | 162                   | 40                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING

PAGE 0959

FBR NON-US  
FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07034E 4604N                            | 2569-05182        | 00000/0000                   | 2-20030/1226                | 08/13/76         | 0                   | 7927            | 49.2         | 130.3        | GGGG                               |                     |                      | 166                   | 28                   |
| 07034E 4604N                            | 2713-05131        | 00000/0000                   | 2-20038/1129                | 01/04/77         | 80                  | 3935            | 15.2         | 149.3        | GGGG                               |                     |                      | 166                   | 28                   |
| 07033E 0710S                            | 2451-04393        | 00000/0000                   | 2-20023/0332                | 04/17/76         | 30                  | 6281            | 47.0         | 66.1         | GGGG                               |                     | H                    | 156                   | 65                   |
| 07032E 4602N                            | 2695-05140        | 00000/0000                   | 2-20038/0028                | 12/17/76         | 80                  | 9684            | 15.5         | 151.6        | GGGG                               |                     |                      | 166                   | 28                   |
| 07032E 2848N                            | 2601-04593        | 00000/0000                   | 2-20032/1262                | 09/14/76         | 10                  | 8373            | 49.4         | 122.5        | GGGG                               |                     |                      | 162                   | 40                   |
| 07031E 4602N                            | 2731-05123        | 00000/0000                   | 2-20039/0175                | 01/22/77         | 10                  | 186             | 17.3         | 146.4        | GGGG                               |                     |                      | 166                   | 28                   |
| 07031E 4557N                            | 2677-05144        | 00000/0000                   | 2-20036/1504                | 11/29/76         | 90                  | 9433            | 18.0         | 152.8        | GGGG                               |                     |                      | 166                   | 28                   |
| 07030E 5722N                            | 2455-05404        | 00000/0000                   | 2-20024/1054                | 05/01/76         | 60                  | 6477            | 44.2         | 147.6        | GGGG                               |                     |                      | 170                   | 20                   |
| 07030E 4556N                            | 2551-05185        | 00000/0000                   | 2-20030/0062                | 07/26/76         | 60                  | 7676            | 53.1         | 125.5        | GGGG                               |                     |                      | 166                   | 28                   |
| 07030E 2308N                            | 2690-04521        | 00000/0000                   | 2-20037/0659                | 12/12/76         | 0                   | 9614            | 32.7         | 141.4        | FGFG                               |                     |                      | 161                   | 44                   |
| 07030E 2308N                            | 2708-04513        | 00000/0000                   | 2-20038/0398                | 12/30/76         | 0                   | 9865            | 31.2         | 139.4        | FGGG                               |                     |                      | 161                   | 44                   |
| 07030E 2308N                            | 2726-04504        | 00000/0000                   | 2-20039/0063                | 01/17/77         | 0                   | 116             | 31.8         | 135.9        | GGGG                               |                     |                      | 161                   | 44                   |
| 07030E 0712S                            | 2703-04314        | 00000/0000                   | 2-20037/1318                | 12/25/76         | 40                  | 9795            | 47.0         | 116.8        | GGGG                               |                     | H                    | 156                   | 65                   |
| 07029E 4554N                            | 2533-05192        | 00000/0000                   | 2-20028/0948                | 07/08/76         | 0                   | 7425            | 55.8         | 122.8        | GGGG                               |                     |                      | 166                   | 28                   |
| 07029E 3314N                            | 2440-05082        | 00000/0000                   | 2-20022/1435                | 04/06/76         | 40                  | 6128            | 49.4         | 123.9        | GGFG                               |                     |                      | 163                   | 37                   |
| 07029E 3314N                            | 2458-05075        | 00000/0000                   | 2-20024/0405                | 04/24/76         | 80                  | 6379            | 54.5         | 117.3        | GGGG                               |                     |                      | 163                   | 37                   |
| 07028E 2304N                            | 2672-04530        | 00000/0000                   | 2-20037/0187                | 11/24/76         | 90                  | 9363            | 35.8         | 141.2        | GGGG                               |                     |                      | 161                   | 44                   |
| 07028E 0710S                            | 2415-04404        | 00000/0000                   | 2-20021/1519                | 03/12/76         | 40                  | 5779            | 48.3         | 86.9         | FGGG                               |                     | H                    | 156                   | 65                   |
| 07027E 4553N                            | 2659-05153        | 00000/0000                   | 2-20036/0317                | 11/11/76         | 80                  | 9182            | 22.2         | 152.5        | GGGG                               |                     |                      | 166                   | 28                   |
| 07027E 3315N                            | 2710-04595        | 00000/0000                   | 2-20038/0447                | 01/01/77         | 70                  | 9893            | 24.4         | 144.2        | FGGG                               |                     |                      | 163                   | 37                   |
| 07027E 3312N                            | 2566-05050        | 00000/0000                   | 2-20030/1048                | 08/10/76         | 30                  | 7885            | 54.1         | 111.1        | GGGG                               |                     |                      | 163                   | 37                   |
| 07027E 2304N                            | 2654-04514        | 00000/0000                   | 2-20036/0029                | 11/06/76         | 0                   | 9112            | 39.9         | 138.4        | GGGG                               |                     |                      | 161                   | 44                   |
| 07027E 2303N                            | 2366-05015        | 00000/0000                   | 2-20020/0395                | 01/23/76         | 10                  | 5096            | 34.1         | 136.9        | GGGG                               |                     |                      | 161                   | 44                   |
| 07027E 2303N                            | 2402-05010        | 00000/0000                   | 2-20021/0814                | 02/28/76         | 0                   | 5598            | 41.8         | 126.2        | GGGG                               |                     |                      | 161                   | 44                   |
| 07026E 4149N                            | 2460-05165        | 00000/0000                   | 2-20024/0849                | 04/26/76         | 10                  | 6407            | 51.7         | 128.9        | GGGG                               |                     |                      | 165                   | 31                   |
| 07026E 3313N                            | 2584-05043        | 00000/0000                   | 2-20037/0288                | 08/28/76         | 10                  | 8136            | 51.1         | 119.5        | GGGG                               |                     |                      | 163                   | 37                   |
| 07026E 3312N                            | 2692-05004        | 00000/0000                   | 2-20037/0808                | 12/14/76         | 0                   | 9642            | 25.4         | 146.3        | FGGG                               |                     |                      | 163                   | 37                   |
| 07026E 2302N                            | 2636-04542        | 00000/0000                   | 2-20034/0903                | 10/19/76         | 0                   | 8861            | 44.4         | 132.9        | FGGG                               |                     |                      | 161                   | 44                   |
| 07025E 5722N                            | 2591-05372        | 00000/0000                   | 2-20032/0745                | 09/04/76         | 10                  | 8234            | 36.2         | 148.9        | PFPG                               |                     |                      | 170                   | 20                   |
| 07025E 5720N                            | 2473-05375        | 00000/0000                   | 2-20030/1369                | 08/17/76         | 10                  | 7983            | 41.8         | 145.1        | GGGG                               |                     |                      | 170                   | 20                   |
| 07025E 3312N                            | 2728-04591        | 00000/0000                   | 2-20039/0134                | 01/19/77         | 30                  | 144             | 25.6         | 140.8        | GGGG                               |                     |                      | 163                   | 37                   |
| 07024E 5715N                            | 2555-05382        | 00000/0000                   | 2-20030/0413                | 07/30/76         | 10                  | 7732            | 46.5         | 142.1        | GGGG                               |                     |                      | 170                   | 20                   |
| 07024E 3734N                            | 2441-05125        | 00000/0000                   | 2-20027/1415                | 04/07/76         | 10                  | 6142            | 47.8         | 128.7        | GGGG                               |                     |                      | 164                   | 34                   |
| 07024E 3305N                            | 2494-05070        | 00000/0000                   | 2-20026/0423                | 05/30/76         | 0                   | 6881            | 59.5         | 103.5        | FGGG                               |                     |                      | 163                   | 37                   |
| 07024E 3301N                            | 2512-05063        | 00000/0000                   | 2-20027/0091                | 06/17/76         | 30                  | 7132            | 59.4         | 99.8         | GGGG                               |                     |                      | 163                   | 37                   |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RLI<br>MSS | DATE<br>ACQUIRED | CLBD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07023E 4856N                            | 2452-05261        | 00000/0000                   | 2-20024/0736               | 04/28/76         | 60                 | 6435            | 48.6         | 137.7        | GGGG                               |                     |                      | 167                   | 26                   |
| 07023E 4148N                            | 2442-05172        | 00000/0000                   | 2-20022/1617               | 04/08/76         | 10                 | 6156            | 46.1         | 133.2        | GGGG                               |                     |                      | 165                   | 31                   |
| 07023E 3308N                            | 2474-05012        | 00000/0000                   | 2-20036/1548               | 11/26/76         | 0                  | 9391            | 28.3         | 146.9        | GGGG                               |                     |                      | 163                   | 37                   |
| 07022E 4148N                            | 2712-05085        | 00000/0000                   | 2-20038/0638               | 01/03/77         | 90                 | 9921            | 18.3         | 147.6        | FGGG                               |                     |                      | 165                   | 31                   |
| 07022E 4146N                            | 2568-05135        | 00000/0000                   | 2-20030/1184               | 08/12/76         | 0                  | 7913            | 51.3         | 124.3        | GGGG                               |                     |                      | 165                   | 31                   |
| 07022E 3732N                            | 2711-05042        | 00000/0000                   | 2-20038/0552               | 01/02/77         | 90                 | 9907            | 21.4         | 145.9        | GGGG                               |                     |                      | 164                   | 34                   |
| 07022E 3311N                            | 2602-05040        | 00000/0000                   | 2-20032/1300               | 09/15/76         | 10                 | 8387            | 47.3         | 128.1        | GFGG                               |                     |                      | 163                   | 37                   |
| 07021E 4854N                            | 2714-05181        | 00000/0000                   | 2-20038/0799               | 01/05/77         | 80                 | 9949            | 13.2         | 150.4        | GGGG                               |                     |                      | 167                   | 26                   |
| 07021E 4144N                            | 2694-05093        | 00000/0000                   | 2-20037/0983               | 12/16/76         | 20                 | 9670            | 18.8         | 149.9        | GGGG                               |                     |                      | 165                   | 31                   |
| 07021E 3730N                            | 2567-05032        | 00000/0000                   | 2-20030/1120               | 08/11/76         | 0                  | 7899            | 53.0         | 117.9        | GGGG                               |                     |                      | 164                   | 34                   |
| 07021E 2247N                            | 2334-05013        | 00000/0000                   | 2-20020/1269               | 02/10/76         | 0                  | 5347            | 37.4         | 131.8        | GGGG                               |                     |                      | 161                   | 44                   |
| 07020E 5709N                            | 2501-05395        | 00000/0000                   | 2-20026/0897               | 06/06/76         | 0                  | 6979            | 51.3         | 142.8        | GGGG                               |                     |                      | 170                   | 20                   |
| 07020E 5708N                            | 2537-05365        | 00000/0000                   | 2-20028/1206               | 07/12/76         | 60                 | 7481            | 49.9         | 140.5        | GFGG                               |                     |                      | 170                   | 20                   |
| 07020E 4848N                            | 2480-05254        | 00000/0000                   | 2-20025/0479               | 05/16/76         | 10                 | 6686            | 53.1         | 133.9        | GGGG                               |                     |                      | 167                   | 26                   |
| 07020E 4146N                            | 2730-05061        | 00000/0000                   | 2-20039/0912               | 01/21/77         | 90                 | 172             | 20.1         | 144.6        | FFGF                               |                     |                      | 165                   | 31                   |
| 07020E 4142N                            | 2676-05102        | 00000/0000                   | 2-20036/1430               | 11/28/76         | 20                 | 9419            | 21.5         | 150.9        | GGGG                               |                     |                      | 165                   | 31                   |
| 07020E 3728N                            | 2693-05050        | 00000/0000                   | 2-20037/0912               | 12/15/76         | 10                 | 9656            | 22.1         | 148.2        | GGGG                               |                     |                      | 164                   | 34                   |
| 07019E 5435N                            | 2464-05355        | 00000/0000                   | 2-20024/0763               | 04/30/76         | 0                  | 6463            | 45.8         | 144.3        | GGGG                               |                     |                      | 169                   | 22                   |
| 07019E 4855N                            | 2570-05231        | 00000/0000                   | 2-20030/1264               | 08/14/76         | 10                 | 7941            | 47.6         | 134.2        | GGGG                               |                     |                      | 167                   | 26                   |
| 07019E 4852N                            | 2696-05185        | 00000/0000                   | 2-20038/0072               | 12/18/76         | 20                 | 9698            | 13.2         | 152.8        | GGGG                               |                     |                      | 167                   | 26                   |
| 07018E 5435N                            | 2446-05362        | 00000/0000                   | 2-20022/1810               | 04/12/76         | 10                 | 6212            | 39.8         | 146.1        | GGGG                               |                     |                      | 169                   | 22                   |
| 07018E 3729N                            | 2729-05034        | 00000/0000                   | 2-20040/0022               | 01/20/77         | 50                 | 158             | 22.9         | 142.7        | GGGG                               |                     |                      | 164                   | 34                   |
| 07018E 3720N                            | 2513-05110        | 00000/0000                   | 2-20026/1771               | 06/18/76         | 10                 | 7146            | 59.2         | 107.7        | GGGG                               |                     |                      | 164                   | 34                   |
| 07017E 5704N                            | 2519-05392        | 00000/0000                   | 2-20027/0480               | 06/24/76         | 10                 | 7230            | 51.7         | 140.8        | GGGG                               |                     |                      | 170                   | 20                   |
| 07017E 4139N                            | 2540-05114        | 00000/0000                   | 2-20034/0966               | 10/23/76         | 60                 | 8917            | 31.1         | 147.7        | GGGG                               |                     |                      | 165                   | 31                   |
| 07017E 4139N                            | 2658-05110        | 00000/0000                   | 2-20036/0178               | 11/10/76         | 90                 | 9168            | 25.8         | 150.3        | GGGG                               |                     |                      | 165                   | 31                   |
| 07017E 4135N                            | 2514-05153        | 00000/0000                   | 2-20027/0035               | 06/19/76         | 10                 | 7160            | 58.4         | 115.4        | GGGG                               |                     |                      | 164                   | 34                   |
| 07017E 3730N                            | 2585-05055        | 00000/0000                   | 2-20032/0338               | 08/29/76         | 0                  | 8150            | 49.3         | 125.4        | GGGG                               |                     |                      | 164                   | 34                   |
| 07017E 3724N                            | 2675-05055        | 00000/0000                   | 2-20036/1321               | 11/27/76         | 10                 | 9405            | 24.9         | 149.0        | GGGG                               |                     |                      | 164                   | 34                   |
| 07017E 3720N                            | 2495-05113        | 00000/0000                   | 2-20026/0107               | 05/31/76         | 10                 | 6895            | 59.1         | 111.1        | GGGG                               |                     |                      | 164                   | 34                   |
| 07016E 5145N                            | 2445-05313        | 00000/0000                   | 2-20022/1665               | 04/11/76         | 10                 | 6198            | 41.3         | 143.3        | GGFG                               |                     |                      | 168                   | 24                   |
| 07016E 4845N                            | 2678-05134        | 00000/0000                   | 2-20034/1622               | 11/30/76         | 10                 | 9447            | 15.6         | 154.1        | FGGF                               |                     |                      | 167                   | 26                   |
| 07015E 5144N                            | 2463-05310        | 00000/0000                   | 2-20024/0971               | 04/29/76         | 0                  | 6449            | 47.3         | 141.0        | GGGG                               |                     |                      | 168                   | 24                   |
| 07014E 5436N                            | 2593-05323        | 00000/0000                   | 2-20032/0595               | 09/03/76         | 10                 | 8220            | 38.4         | 145.8        | GGGG                               |                     |                      | 169                   | 22                   |
| 07014E 5144N                            | 2715-05230        | 00000/0000                   | 2-20038/0849               | 01/06/77         | 30                 | 9963            | 11.1         | 151.5        | FFFF                               |                     |                      | 168                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLSD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07014E 4843N                            | 2498-05251        | 00000/0000                   | 2-20026/0681                | 06/03/76         | 40                 | 6937            | 55.6         | 130.1        | GGGG                               |                     |                      | 167                   | 26                   |
| 07014E 4842N                            | 2534-05242        | 00000/0000                   | 2-20028/0998                | 07/09/76         | 70                 | 7439            | 54.6         | 127.4        | FGFG                               |                     |                      | 167                   | 26                   |
| 07014E 3720N                            | 2657-05063        | 00000/0000                   | 2-20036/0140                | 11/09/76         | 80                 | 9154            | 29.3         | 147.9        | GGGG                               |                     |                      | 164                   | 34                   |
| 07014E 2728N                            | 2439-05042        | 00000/0000                   | 2-20022/1345                | 04/05/76         | 10                 | 6114            | 51.1         | 117.0        | GGGG                               |                     |                      | 162                   | 41                   |
| 07013E 4840N                            | 2516-05245        | 00000/0000                   | 2-20027/0131                | 06/21/76         | 30                 | 7188            | 56.0         | 127.6        | GGGF                               |                     |                      | 167                   | 26                   |
| 07013E 2727N                            | 2727-04551        | 00000/0000                   | 2-20038/1445                | 01/18/77         | 70                 | 130             | 29.2         | 138.1        | PPPP                               |                     |                      | 162                   | 41                   |
| 07013E 2726N                            | 2631-04564        | 00000/0000                   | 2-20037/0766                | 12/13/76         | 0                  | 9628            | 29.6         | 143.6        | GGGG                               |                     |                      | 162                   | 41                   |
| 07013E 2725N                            | 2421-05050        | 00000/0000                   | 2-20022/0239                | 03/18/76         | 70                 | 5863            | 45.7         | 123.8        | FGGF                               |                     |                      | 162                   | 41                   |
| 07012E 5432N                            | 2572-05330        | 00000/0000                   | 2-20030/1597                | 08/16/76         | 40                 | 7969            | 43.8         | 141.6        | GGGG                               |                     |                      | 169                   | 22                   |
| 07012E 5141N                            | 2697-05234        | 00000/0000                   | 2-20038/0306                | 12/19/76         | 90                 | 9712            | 10.9         | 153.9        | PPFF                               |                     |                      | 168                   | 24                   |
| 07012E 5140N                            | 2481-05303        | 00000/0000                   | 2-20025/0695                | 05/17/76         | 30                 | 6700            | 51.8         | 137.9        | GGGG                               |                     |                      | 168                   | 24                   |
| 07011E 5427N                            | 2482-05352        | 00000/0000                   | 2-20025/0791                | 05/18/76         | 10                 | 6714            | 50.3         | 141.7        | GGGG                               |                     |                      | 169                   | 22                   |
| 07011E 4841N                            | 2660-05232        | 00000/0000                   | 2-20036/0358                | 11/12/76         | 70                 | 9196            | 19.7         | 154.0        | GGFG                               |                     |                      | 167                   | 26                   |
| 07010E 5426N                            | 2554-05333        | 00000/0000                   | 2-20030/0332                | 07/29/76         | 20                 | 7718            | 48.4         | 138.1        | GGGG                               |                     |                      | 169                   | 22                   |
| 07010E 5425N                            | 2680-05292        | 00000/0000                   | 2-20034/1783                | 12/02/76         | 70                 | 9475            | 10.7         | 156.7        | PP                                 |                     |                      | 169                   | 22                   |
| 07010E 5423N                            | 2500-05350        | 00000/0000                   | 2-20026/0828                | 06/05/76         | 0                  | 6965            | 52.9         | 138.7        | GGGG                               |                     |                      | 169                   | 22                   |
| 07010E 2718N                            | 2367-05062        | 00000/0000                   | 2-20020/0218                | 01/24/76         | 10                 | 5110            | 31.6         | 139.2        | GGGF                               |                     |                      | 162                   | 41                   |
| 07009E 5143N                            | 2571-05230        | 00000/0000                   | 2-20030/1306                | 08/15/76         | 30                 | 7955            | 45.8         | 138.0        | FFFF                               |                     |                      | 168                   | 24                   |
| 07009E 2721N                            | 2601-05000        | 00000/0000                   | 2-20032/1263                | 09/14/76         | 10                 | 8373            | 49.9         | 120.8        | GGGG                               |                     |                      | 162                   | 41                   |
| 07009E 2719N                            | 2403-05053        | 00000/0000                   | 2-20021/0865                | 02/29/76         | 10                 | 5612            | 40.1         | 129.6        | FGGG                               |                     |                      | 162                   | 41                   |
| 07008E 5425N                            | 2608-05320        | 00000/0000                   | 2-20032/1568                | 09/21/76         | 60                 | 8471            | 32.4         | 149.9        | GGGG                               |                     |                      | 169                   | 22                   |
| 07008E 2141N                            | 2704-04515        | 00000/0000                   | 2-20038/0399                | 12/30/76         | 0                  | 9865            | 32.2         | 138.6        | GGGG                               |                     |                      | 161                   | 45                   |
| 07008E 2141N                            | 2726-04511        | 00000/0000                   | 2-20039/0064                | 01/17/77         | 10                 | 116             | 32.6         | 135.0        | GGGF                               |                     |                      | 161                   | 45                   |
| 07008E 0836S                            | 2415-04411        | 00000/0000                   | 2-20021/1520                | 03/12/76         | 40                 | 5779            | 47.9         | 85.3         | FFGF                               |                     | H                    | 156                   | 66                   |
| 07007E 5135N                            | 2553-05284        | 00000/0000                   | 2-20030/0221                | 07/28/76         | 10                 | 7704            | 50.1         | 134.0        | GGGG                               |                     |                      | 168                   | 24                   |
| 07007E 5134N                            | 2679-05243        | 00000/0000                   | 2-20036/1722                | 12/01/76         | 90                 | 9461            | 13.1         | 155.4        | GGGG                               |                     |                      | 168                   | 24                   |
| 07007E 2142N                            | 2690-04523        | 00000/0000                   | 2-20037/0690                | 12/12/76         | 0                  | 9614            | 33.7         | 140.6        | GGGG                               |                     |                      | 161                   | 45                   |
| 07006E 5419N                            | 2536-05340        | 00000/0000                   | 2-20028/1027                | 07/11/76         | 60                 | 7467            | 51.7         | 136.2        | GGGG                               |                     |                      | 169                   | 22                   |
| 07006E 5133N                            | 2535-05291        | 00000/0000                   | 2-20028/1065                | 07/10/76         | 80                 | 7453            | 53.2         | 131.9        | GGGG                               |                     |                      | 168                   | 24                   |
| 07006E 5131N                            | 2499-05301        | 00000/0000                   | 2-20026/0795                | 06/04/76         | 10                 | 6951            | 54.3         | 134.4        | GGG                                |                     |                      | 168                   | 24                   |
| 07006E 2138N                            | 2672-04532        | 00000/0000                   | 2-20037/0188                | 11/24/76         | 90                 | 9363            | 36.8         | 140.3        | GGGG                               |                     |                      | 161                   | 45                   |
| 07005E 5418N                            | 2518-05343        | 00000/0000                   | 2-20027/0379                | 06/23/76         | 50                 | 7216            | 53.3         | 136.5        | GGFG                               |                     |                      | 169                   | 22                   |
| 07005E 5128N                            | 2517-05294        | 00000/0000                   | 2-20027/0336                | 06/22/76         | 30                 | 7202            | 54.7         | 132.1        | GGGG                               |                     |                      | 168                   | 24                   |
| 07005E 2139N                            | 2654-04540        | 00000/0000                   | 2-20036/0030                | 11/06/76         | 0                  | 9112            | 40.8         | 137.3        | GGGG                               |                     |                      | 161                   | 45                   |
| 07005E 2137N                            | 2402-05013        | 00000/0000                   | 2-20021/0815                | 02/28/76         | 0                  | 5598            | 42.5         | 125.0        | GGGG                               |                     |                      | 161                   | 45                   |

KEYS: CLSD COVER % ..... 0 TO 100 = % CLSD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN REEL | DATE<br>ACQUIRED | CLOUD<br>COVER % | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | RBV                   | MSS                  |                  |                  |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07004E                      | 2704N             | 2355-05060            | 00000/0000           | 2-20020/1334     | 02/11/76         | 60              | 5361         | 35.3         | 134.5                 | GG G                |                      | 162                   | 41                   |
| 07004E                      | 2138N             | 2366-05022            | 00000/0000           | 2-20020/0138     | 01/23/76         | 0               | 5096         | 35.0         | 136.0                 | GGFG                |                      | 161                   | 45                   |
| 07004E                      | 2136N             | 2636-04544            | 00000/0000           | 2-20034/0904     | 10/19/76         | 10              | 8861         | 45.2         | 131.5                 | GGGG                |                      | 161                   | 45                   |
| 07003E                      | 5130N             | 2661-05251            | 00000/0000           | 2-20036/0490     | 11/13/76         | 50              | 9210         | 17.2         | 155.5                 | GGGG                |                      | 168                   | 24                   |
| 07003E                      | 4442N             | 2461-05214            | 00000/0000           | 2-20024/0727     | 04/27/76         | 90              | 6421         | 50.6         | 132.4                 | GGFG                |                      | 166                   | 29                   |
| 07001E                      | 3148N             | 2710-05002            | 00000/0000           | 2-20038/0448     | 01/01/77         | 90              | 9893         | 25.4         | 143.5                 | GGGG                |                      | 163                   | 38                   |
| 07001E                      | 3147N             | 2584-05045            | 00000/0000           | 2-20032/0289     | 08/28/76         | 20              | 8136         | 51.5         | 117.6                 | GGGG                |                      | 163                   | 38                   |
| 07000E                      | 5844N             | 2466-05460            | 00000/0000           | 2-20024/1562     | 05/02/76         | 80              | 6491         | 43.6         | 149.3                 | GGGG                |                      | 171                   | 19                   |
| 07000E                      | 4439N             | 2569-05184            | 00000/0000           | 2-20030/1227     | 08/13/76         | 0               | 7927         | 49.9         | 128.5                 | GGGG                |                      | 166                   | 29                   |
| 07000E                      | 4439N             | 2713-05134            | 00000/0000           | 2-20038/1130     | 01/04/77         | 70              | 9935         | 16.3         | 148.7                 | FGGF                |                      | 166                   | 29                   |
| 07000E                      | 3146N             | 2692-05010            | 00000/0000           | 2-20037/0809     | 12/14/76         | 0               | 9642         | 26.4         | 145.7                 | GGGG                |                      | 163                   | 38                   |
| 07000E                      | 2121N             | 2384-05020            | 00000/0000           | 2-20020/1270     | 02/10/76         | 0               | 5347         | 38.2         | 130.7                 | FGGG                |                      | 161                   | 45                   |
| 06959E                      | 5846N             | 2448-05463            | 00000/0000           | 2-20022/1794     | 04/14/76         | 0               | 6240         | 37.6         | 150.5                 | GGGG                |                      | 171                   | 19                   |
| 06959E                      | 3145N             | 2728-04594            | 00000/0000           | 2-20039/0135     | 01/19/77         | 10              | 144          | 26.6         | 140.1                 | GGGG                |                      | 163                   | 38                   |
| 06958E                      | 4438N             | 2695-05142            | 00000/0000           | 2-20038/0029     | 12/17/76         | 100             | 9684         | 16.5         | 151.0                 | GGGG                |                      | 166                   | 29                   |
| 06958E                      | 3142N             | 2674-05015            | 00000/0000           | 2-20036/1549     | 11/26/76         | 0               | 9391         | 29.4         | 146.1                 | GGGG                |                      | 163                   | 38                   |
| 06957E                      | 5846N             | 2574-05431            | 00000/0000           | 2-20030/1499     | 08/18/76         | 10              | 7997         | 40.6         | 147.1                 | GGGG                |                      | 171                   | 19                   |
| 06957E                      | 4437N             | 2731-05130            | 00000/0000           | 2-20039/0176     | 01/22/77         | 10              | 186          | 18.3         | 145.7                 | GGGG                |                      | 166                   | 29                   |
| 06957E                      | 4432N             | 2677-05151            | 00000/0000           | 2-20034/1505     | 11/29/76         | 100             | 9433         | 19.1         | 152.2                 | GGGG                |                      | 166                   | 29                   |
| 06957E                      | 4431N             | 2551-05192            | 00000/0000           | 2-20037/0063     | 07/26/76         | 10              | 7676         | 53.6         | 123.3                 | GGGG                |                      | 166                   | 29                   |
| 06957E                      | 3145N             | 2602-05042            | 00000/0000           | 2-20032/1301     | 09/15/76         | 10              | 8387         | 47.9         | 126.5                 | GGFG                |                      | 163                   | 38                   |
| 06956E                      | 5844N             | 2592-05424            | 00000/0000           | 2-20032/0705     | 09/05/76         | 10              | 8248         | 34.9         | 150.5                 | FFFG                |                      | 171                   | 19                   |
| 06956E                      | 4429N             | 2533-05195            | 00000/0000           | 2-20028/0949     | 07/08/76         | 0               | 7425         | 56.2         | 120.4                 | FFFF                |                      | 166                   | 29                   |
| 06956E                      | 4024N             | 2460-05171            | 00000/0000           | 2-20024/0850     | 04/26/76         | 10              | 6407         | 52.4         | 126.9                 | FGGG                |                      | 165                   | 32                   |
| 06954E                      | 4429N             | 2659-05155            | 00000/0000           | 2-20036/0318     | 11/11/76         | 60              | 9182         | 23.3         | 151.8                 | GGGG                |                      | 166                   | 29                   |
| 06954E                      | 3606N             | 2711-05044            | 00000/0000           | 2-20038/0553     | 01/02/77         | 40              | 9907         | 22.4         | 145.3                 | GGGG                |                      | 164                   | 35                   |
| 06953E                      | 4022N             | 2442-05174            | 00000/0000           | 2-20022/1618     | 04/08/76         | 40              | 6156         | 46.8         | 131.6                 | FFFF                |                      | 165                   | 32                   |
| 06953E                      | 4019N             | 2478-05164            | 00000/0000           | 2-20025/0319     | 05/14/76         | 40              | 6658         | 56.4         | 121.3                 | GGGG                |                      | 165                   | 32                   |
| 06952E                      | 4023N             | 2712-05091            | 00000/0000           | 2-20038/0639     | 01/03/77         | 90              | 9921         | 19.3         | 147.0                 | GGGG                |                      | 165                   | 32                   |
| 06952E                      | 3603N             | 2693-05053            | 00000/0000           | 2-20037/0913     | 12/15/76         | 0               | 9656         | 23.2         | 147.6                 | GGGG                |                      | 164                   | 35                   |
| 06951E                      | 5837N             | 2556-05434            | 00000/0000           | 2-20030/0373     | 07/31/76         | 30              | 7746         | 45.5         | 144.1                 | GGGG                |                      | 171                   | 19                   |
| 06951E                      | 4021N             | 2568-05142            | 00000/0000           | 2-20030/1185     | 08/12/76         | 0               | 7913         | 51.8         | 122.3                 | GGGG                |                      | 165                   | 32                   |
| 06951E                      | 4018N             | 2694-05160            | 00000/0000           | 2-20037/0984     | 12/16/76         | 60              | 9670         | 19.9         | 149.3                 | GGGG                |                      | 165                   | 32                   |
| 06951E                      | 4017N             | 2424-05182            | 00000/0000           | 2-20022/0378     | 03/21/76         | 10              | 5905         | 40.4         | 135.5                 | GGGG                |                      | 165                   | 32                   |
| 06951E                      | 4014N             | 2496-05162            | 00000/0000           | 2-20026/0651     | 06/01/76         | 10              | 6909         | 58.5         | 116.1                 | GGGG                |                      | 165                   | 32                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR.  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US  
FROM 01/22/76 TO 01/22/77

PAGE 0963

| PRINCIPAL POINT<br>SF IMAGE<br>L8NG LAT | OBSEVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|------------------|------------------------------|----------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06950E                                  | 5839N            | 2610-05421                   | 00000/0000                 | 2-20032/1707     | 09/23/76           | 80              | 8499         | 28.6         | 154.0                              | GGGG                |                      | 171                   | 19                   |
| 06950E                                  | 4023N            | 2586-05135                   | 00000/0000                 | 2-20032/0390     | 08/30/76           | 0               | 8164         | 47.8         | 129.3                              | GGGG                |                      | 165                   | 32                   |
| 06950E                                  | 4021N            | 2730-05083                   | 00000/0000                 | 2-20039/0913     | 01/21/77           | 60              | 172          | 21.1         | 143.9                              | FFGF                |                      | 165                   | 32                   |
| 06950E                                  | 4017N            | 2476-05104                   | 00000/0000                 | 2-20034/1431     | 11/28/76           | 10              | 9419         | 22.5         | 150.3                              | GGGG                |                      | 165                   | 32                   |
| 06950E                                  | 3603N            | 2729-05040                   | 00000/0000                 | 2-20040/0023     | 01/20/77           | 10              | 158          | 23.9         | 142.0                              | GGGG                |                      | 164                   | 35                   |
| 06950E                                  | 3558N            | 2675-05062                   | 00000/0300                 | 2-20036/1322     | 11/27/76           | 10              | 9405         | 26.0         | 148.3                              | GGGG                |                      | 164                   | 35                   |
| 06950E                                  | 2600N            | 2727-04554                   | 00000/0000                 | 2-20038/1446     | 01/18/77           | 40              | 130          | 30.1         | 137.3                              | PFFP                |                      | 162                   | 42                   |
| 06950E                                  | 2559N            | 2691-04570                   | 00000/0000                 | 2-20037/0767     | 12/13/76           | 0               | 9628         | 30.6         | 142.9                              | FGGG                |                      | 162                   | 42                   |
| 06948E                                  | 5832N            | 2502-05451                   | 00000/0000                 | 2-20026/0940     | 06/07/76           | 50              | 6993         | 50.5         | 144.8                              | GGGG                |                      | 171                   | 19                   |
| 06948E                                  | 4010N            | 2514-05155                   | 00000/0000                 | 2-20027/0036     | 06/19/76           | 10              | 7160         | 58.7         | 112.8                              | GGGG                |                      | 163                   | 32                   |
| 06948E                                  | 2556N            | 2673-04575                   | 00000/0000                 | 2-20036/1278     | 11/25/76           | 0               | 9377         | 33.7         | 142.9                              | GGGG                |                      | 162                   | 42                   |
| 06947E                                  | 4019N            | 2604-05132                   | 00000/0000                 | 2-20032/0890     | 09/17/76           | 10              | 8415         | 43.0         | 136.3                              | GGGG                |                      | 165                   | 32                   |
| 06947E                                  | 4013N            | 2640-05121                   | 00000/0000                 | 2-20034/0967     | 10/23/76           | 80              | 8917         | 32.1         | 146.9                              | FGGG                |                      | 165                   | 32                   |
| 06947E                                  | 4013N            | 2658-05113                   | 00000/0000                 | 2-20036/0179     | 11/10/76           | 80              | 9168         | 26.8         | 149.5                              | GGGG                |                      | 165                   | 32                   |
| 06947E                                  | 3554N            | 2657-05070                   | 00000/0000                 | 2-20036/0141     | 11/09/76           | 30              | 9154         | 30.3         | 147.1                              | GGGG                |                      | 164                   | 35                   |
| 06947E                                  | 2553N            | 2367-05064                   | 00000/0000                 | 2-20020/0219     | 01/24/76           | 0               | 5110         | 32.5         | 138.4                              | GGGG                |                      | 162                   | 42                   |
| 06946E                                  | 2553N            | 2403-05060                   | 00000/0000                 | 2-20021/0866     | 02/29/76           | 0               | 5612         | 40.8         | 128.4                              | FGGF                |                      | 162                   | 42                   |
| 06946E                                  | 2015N            | 2708-04522                   | 00000/0000                 | 2-20038/0460     | 12/30/76           | 0               | 9865         | 33.1         | 137.8                              | GGGF                |                      | 161                   | 46                   |
| 06946E                                  | 2015N            | 2726-04513                   | 00000/0000                 | 2-20039/0065     | 01/17/77           | 30              | 116          | 33.5         | 134.2                              | GGGG                |                      | 161                   | 46                   |
| 06945E                                  | 2555N            | 2601-05002                   | 00000/0000                 | 2-20032/1112     | 09/14/76           | 70              | 8373         | 50.4         | 119.0                              | GGGG                |                      | 162                   | 42                   |
| 06945E                                  | 2015N            | 2690-04530                   | 00000/0000                 | 2-20037/0691     | 12/12/76           | 20              | 9614         | 34.6         | 139.7                              | GGPG                |                      | 161                   | 46                   |
| 06944E                                  | 2011N            | 2672-04535                   | 00000/0000                 | 2-20037/0189     | 11/24/76           | 70              | 9343         | 37.7         | 139.3                              | GGGG                |                      | 161                   | 46                   |
| 06943E                                  | 5830N            | 2538-05441                   | 00000/0000                 | 2-20028/1277     | 07/13/76           | 50              | 7495         | 49.0         | 142.6                              | GGGG                |                      | 171                   | 19                   |
| 06943E                                  | 5601N            | 2447-05414                   | 00000/0000                 | 2-20023/0083     | 04/13/76           | 20              | 6226         | 39.2         | 147.6                              | GGGG                |                      | 170                   | 21                   |
| 06943E                                  | 4729N            | 2714-05183                   | 00000/0000                 | 2-20038/0830     | 01/05/77           | 80              | 9949         | 14.2         | 149.8                              | GGGG                |                      | 167                   | 27                   |
| 06942E                                  | 5827N            | 2520-05444                   | 00000/0000                 | 2-20028/0056     | 06/25/76           | 30              | 7244         | 50.8         | 142.8                              | FGGG                |                      | 171                   | 19                   |
| 06942E                                  | 4727N            | 2696-05191                   | 00000/0000                 | 2-20038/0073     | 12/18/76           | 50              | 9698         | 14.3         | 152.1                              | GGFG                |                      | 167                   | 27                   |
| 06941E                                  | 2538N            | 2385-05063                   | 00000/0000                 | 2-20020/1335     | 02/11/76           | 20              | 5361         | 36.1         | 133.6                              | GFG                 |                      | 162                   | 42                   |
| 06939E                                  | 5557N            | 2465-05411                   | 00000/0000                 | 2-20024/1055     | 05/01/76           | 70              | 4477         | 45.1         | 145.9                              | GGFG                |                      | 170                   | 21                   |
| 06936E                                  | 3022N            | 2710-05004                   | 00000/0000                 | 2-20038/0449     | 01/01/77           | 60              | 9893         | 26.4         | 142.8                              | FFGG                |                      | 163                   | 39                   |
| 06936E                                  | 3021N            | 2584-05052                   | 00000/0000                 | 2-20032/0290     | 08/28/76           | 10              | 8136         | 52.0         | 115.6                              | GGGG                |                      | 163                   | 39                   |
| 06935E                                  | 5556N            | 2573-05381                   | 00000/0000                 | 2-20030/1370     | 05/17/76           | 30              | 7983         | 42.7         | 143.5                              | GGGG                |                      | 170                   | 21                   |
| 06935E                                  | 5021N            | 2445-05320                   | 00000/0000                 | 2-20022/1666     | 04/11/76           | 10              | 6198         | 42.2         | 141.0                              | GG F                |                      | 168                   | 25                   |
| 06935E                                  | 3020N            | 2652-05013                   | 00000/0000                 | 2-20037/0810     | 12/14/76           | 0               | 9642         | 27.5         | 145.0                              | FGGG                |                      | 163                   | 39                   |
| 06934E                                  | 5558N            | 2591-05374                   | 00000/0000                 | 2-20032/0772     | 09/04/76           | 10              | 8234         | 37.1         | 147.5                              | G G                 |                      | 170                   | 21                   |

KEYS: CLUD COVER % ..... 0 TO 100 = % CLUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, I=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANHSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0964

| PRINCIPAL PRINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06934E 5019N                            | 2463-0531P        | 00000/0000                   | 2-20024/0972                | 04/29/76         | 10                  | 6449          | 48.1         | 139.2        |                                    |                     |                      |                       |                      |
| 06934E 4717N                            | 2660-05274        | 00000/0000                   | 2-20036/0359                | 11/12/76         | 10                  | 9196          | 20.8         | 153.3        | GGGG                               |                     |                      | 168                   | 25                   |
| 06934E 3019N                            | 2728-05000        | 00000/0000                   | 2-20039/0136                | 01/19/77         | 10                  | 144           | 27.5         | 139.4        | GGGG                               |                     |                      | 167                   | 27                   |
| 06933E 5552N                            | 2555-05385        | 00000/0000                   | 2-20030/0414                | 07/30/76         | 20                  | 7732          | 47.4         | 140.2        | GGGG                               |                     |                      | 163                   | 39                   |
| 06933E 5550N                            | 2483-05404        | 00000/0000                   | 2-20025/0809                | 05/19/76         | 90                  | 6728          | 49.6         | 143.4        | GGGG                               |                     |                      | 170                   | 21                   |
| 06933E 5548N                            | 2661-05344        | 00000/0000                   | 2-20037/0045                | 12/07/76         | 80                  | 9489          | 9.4          | 157.4        | GGG                                |                     |                      | 170                   | 21                   |
| 06933E 5311N                            | 2464-0536P        | 00000/0000                   | 2-20024/0764                | 04/30/76         | 0                   | 6463          | 46.7         | 142.6        | PGFF                               |                     |                      | 170                   | 21                   |
| 06933E 5310N                            | 2446-05365        | 00000/0000                   | 2-20027/1811                | 04/12/76         | 10                  | 6212          | 40.7         | 144.7        | GGGG                               |                     |                      | 169                   | 23                   |
| 06933E 5019N                            | 2715-0523P        | 00000/0000                   | 2-20038/0850                | 01/06/77         | 40                  | 9963          | 12.2         | 150.9        | GGGG                               |                     |                      | 169                   | 23                   |
| 06933E 3018N                            | 2602-05045        | 00000/0000                   | 2-20032/1302                | 09/15/76         | 10                  | 8387          | 48.6         | 124.8        | FFGF                               |                     |                      | 168                   | 25                   |
| 06933E 3016N                            | 2674-05021        | 00000/0000                   | 2-20036/1550                | 11/26/76         | 0                   | 9391          | 30.4         | 145.4        | GGFG                               |                     |                      | 163                   | 39                   |
| 06932E 5014N                            | 2481-05310        | 00000/0000                   | 2-20025/0696                | 05/17/76         | 10                  | 6700          | 52.5         | 135.9        | GGGG                               |                     |                      | 163                   | 39                   |
| 06931E 5308N                            | 2698-05290        | 00000/0000                   | 2-20037/1277                | 12/20/76         | 10                  | 9726          | 9.8          | 154.5        | GGGG                               |                     |                      | 168                   | 25                   |
| 06931E 5308N                            | 2716-05281        | 00000/0000                   | 2-20038/0941                | 01/07/77         | 80                  | 9977          | 10.1         | 152.1        | PPPF                               |                     |                      | 169                   | 23                   |
| 06931E 5016N                            | 2697-05241        | 00000/0000                   | 2-20038/0307                | 12/19/76         | 70                  | 9712          | 12.0         | 153.3        | FFFF                               |                     |                      | 169                   | 23                   |
| 06930E 5545N                            | 2537-0539P        | 00000/0000                   | 2-20028/1207                | 07/12/76         | 60                  | 7481          | 50.7         | 138.4        | FGFF                               |                     |                      | 168                   | 25                   |
| 06930E 4317N                            | 2461-05220        | 00000/0000                   | 2-20024/0728                | 04/27/76         | 100                 | 6421          | 51.3         | 130.6        | GGGG                               |                     |                      | 170                   | 21                   |
| 06929E 6007N                            | 2575-0544P        | 00000/0000                   | 2-20030/1573                | 08/19/76         | 90                  | 8011          | 39.4         | 148.9        | GGGG                               |                     |                      | 166                   | 30                   |
| 06929E 5545N                            | 2501-0540P        | 00000/0000                   | 2-20026/0898                | 06/06/76         | 0                   | 6979          | 52.1         | 140.7        | GGGG                               |                     |                      | 172                   | 18                   |
| 06929E 5311N                            | 2550-05325        | 00000/0000                   | 2-20032/0596                | 09/03/76         | 10                  | 8220          | 39.3         | 144.4        | GGGG                               |                     |                      | 170                   | 21                   |
| 06929E 5018N                            | 2571-05283        | 00000/0000                   | 2-20030/1307                | 08/15/76         | 30                  | 7955          | 46.6         | 138.2        | GGGG                               |                     |                      | 169                   | 23                   |
| 06928E 4306N                            | 2593-05480        | 00000/0000                   | 2-20032/0833                | 09/06/76         | 0                   | 8262          | 33.5         | 152.2        | FFFF                               |                     |                      | 168                   | 25                   |
| 06928E 4313N                            | 2569-05191        | 00000/0000                   | 2-20030/1228                | 05/13/76         | 0                   | 7927          | 50.5         | 126.6        | GGGG                               |                     |                      | 172                   | 18                   |
| 06927E 5541N                            | 2519-05395        | 00000/0000                   | 2-20027/0481                | 06/24/76         | 20                  | 7230          | 52.5         | 138.6        | GGGG                               |                     |                      | 166                   | 30                   |
| 06927E 5308N                            | 2572-0533P        | 00000/0000                   | 2-20030/1598                | 08/16/76         | 30                  | 7969          | 44.7         | 139.9        | GGGG                               |                     |                      | 170                   | 21                   |
| 06927E 5011N                            | 2553-05290        | 00000/0000                   | 2-20030/0222                | 07/28/76         | 30                  | 7704          | 50.8         | 132.0        | FGGG                               |                     |                      | 169                   | 23                   |
| 06927E 5009N                            | 2679-05245        | 00000/0000                   | 2-20036/1723                | 12/01/76         | 70                  | 9461          | 14.3         | 154.7        | GGGG                               |                     |                      | 168                   | 25                   |
| 06927E 4313N                            | 2713-05140        | 00000/0000                   | 2-20038/1131                | 01/04/77         | 70                  | 9935          | 17.3         | 148.1        | GGGG                               |                     |                      | 168                   | 25                   |
| 06927E 3858N                            | 2460-05174        | 00000/0000                   | 2-20024/0851                | 04/26/76         | 10                  | 6407          | 53.0         | 124.9        | GGFG                               |                     |                      | 166                   | 30                   |
| 06926E 5302N                            | 2482-05355        | 00000/0000                   | 2-20025/0792                | 05/18/76         | 0                   | 6714          | 51.1         | 139.7        | GGGG                               |                     |                      | 165                   | 33                   |
| 06926E 5302N                            | 2554-05335        | 00000/0000                   | 2-20030/0333                | 07/29/76         | 30                  | 7718          | 49.2         | 136.2        | GGGG                               |                     |                      | 169                   | 23                   |
| 06926E 5300N                            | 2680-05294        | 00000/0000                   | 2-20036/1784                | 12/02/76         | 90                  | 9475          | 11.8         | 156.0        | GGGG                               |                     |                      | 169                   | 23                   |
| 06926E 5009N                            | 2535-05293        | 00000/0000                   | 2-20028/1066                | 07/10/76         | 40                  | 7453          | 53.8         | 129.7        | PPPP                               |                     |                      | 169                   | 23                   |
| 06926E 3440N                            | 2711-05051        | 00000/0000                   | 2-20038/0554                | 01/02/77         | 10                  | 9907          | 23.4         | 144.7        | GGGG                               |                     |                      | 168                   | 25                   |
| 06926E 3437N                            | 2693-05055        | 00000/0000                   | 2-20037/0914                | 12/15/76         | 10                  | 9656          | 24.2         | 146.9        | FFFF                               |                     |                      | 164                   | 36                   |
|                                         |                   |                              |                             |                  |                     |               |              |              | GGFG                               |                     |                      | 164                   | 36                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD P=POOR F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0965

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06926E                                  | 2434N             | 2727-04560                   | 00000/0000                  | 2-20035/1447     | 01/18/77            | 10              | 130          | 31.0         | 136.5                              | PPPP                |                      | 162                   | 43                   |
| 06926E                                  | 2433N             | 2691-04573                   | 00000/0000                  | 2-20037/0768     | 12/13/76            | 0               | 9628         | 31.6         | 142.1                              | GGGG                |                      | 162                   | 43                   |
| 06925E                                  | 5258N             | 2500-05352                   | 00000/0000                  | 2-20026/0829     | 06/05/76            | 0               | 6965         | 53.6         | 136.5                              | GGGG                |                      | 169                   | 23                   |
| 06925E                                  | 5005N             | 2499-05303                   | 00000/0000                  | 2-20026/0796     | 06/04/76            | 30              | 6951         | 55.0         | 132.2                              | GGGG                |                      | 168                   | 25                   |
| 06925E                                  | 4312N             | 2695-05145                   | 00000/0000                  | 2-20038/0030     | 12/17/76            | 50              | 9684         | 17.6         | 150.4                              | GGG                 |                      | 166                   | 30                   |
| 06925E                                  | 4311N             | 2731-05132                   | 00000/0000                  | 2-20039/0177     | 01/22/77            | 20              | 186          | 19.3         | 145.0                              | FGGF                |                      | 166                   | 30                   |
| 06925E                                  | 4307N             | 2677-05153                   | 00000/0000                  | 2-20036/1506     | 11/29/76            | 100             | 9433         | 20.2         | 151.6                              | GGGG                |                      | 166                   | 30                   |
| 06925E                                  | 2429N             | 2673-04581                   | 00000/0000                  | 2-20036/1279     | 11/25/76            | 20              | 9377         | 34.7         | 142.1                              | GGGG                |                      | 162                   | 43                   |
| 06924E                                  | 4307N             | 2551-05194                   | 00000/0000                  | 2-20030/0064     | 07/26/76            | 0               | 7676         | 54.1         | 121.1                              | GGGG                |                      | 166                   | 30                   |
| 06924E                                  | 4304N             | 2533-05201                   | 00000/0000                  | 2-20028/0950     | 07/08/76            | 0               | 7425         | 56.7         | 118.0                              | GGGG                |                      | 166                   | 30                   |
| 06924E                                  | 3437N             | 2729-05043                   | 00000/0000                  | 2-20040/0024     | 01/20/77            | 10              | 158          | 24.8         | 141.3                              | GGGG                |                      | 164                   | 36                   |
| 06924E                                  | 2426N             | 2367-05071                   | 00000/0000                  | 2-20020/0220     | 01/24/76            | 20              | 5110         | 33.4         | 137.5                              | GGFG                |                      | 162                   | 43                   |
| 06923E                                  | 5301N             | 2608-05322                   | 00000/0000                  | 2-20037/1569     | 09/21/76            | 80              | 8471         | 33.4         | 148.7                              | GGGG                |                      | 169                   | 23                   |
| 06923E                                  | 5006N             | 2661-05254                   | 00000/0000                  | 2-20036/0491     | 11/13/76            | 10              | 9210         | 18.3         | 154.8                              | GGGG                |                      | 168                   | 25                   |
| 06923E                                  | 3857N             | 2712-05094                   | 00000/0000                  | 2-20038/0640     | 01/03/77            | 90              | 9921         | 20.4         | 146.4                              | GGGG                |                      | 165                   | 33                   |
| 06923E                                  | 3856N             | 2442-05181                   | 00000/0000                  | 2-20027/1619     | 04/08/76            | 80              | 6156         | 47.5         | 130.0                              | GGG                 |                      | 165                   | 33                   |
| 06923E                                  | 3432N             | 2675-05064                   | 00000/0000                  | 2-20036/1323     | 11/27/76            | 0               | 9405         | 27.1         | 147.6                              | GGGG                |                      | 164                   | 36                   |
| 06923E                                  | 2428N             | 2403-05062                   | 00000/0000                  | 2-20021/0867     | 02/29/76            | 0               | 5612         | 41.5         | 127.1                              | GGGG                |                      | 162                   | 43                   |
| 06922E                                  | 4259N             | 2515-05204                   | 00000/0000                  | 2-20026/1731     | 06/20/76            | 0               | 7174         | 58.0         | 117.8                              | GGGG                |                      | 166                   | 30                   |
| 06922E                                  | 3853N             | 2694-05102                   | 00000/0000                  | 2-20037/0995     | 12/16/76            | 10              | 9670         | 21.0         | 148.7                              | GGGG                |                      | 165                   | 33                   |
| 06922E                                  | 3852N             | 2424-05184                   | 00000/0000                  | 2-20027/0379     | 03/21/76            | 0               | 5905         | 41.2         | 134.2                              | GGGG                |                      | 165                   | 33                   |
| 06922E                                  | 2429N             | 2601-05005                   | 00000/0000                  | 2-20032/1113     | 09/14/76            | 40              | 8173         | 50.9         | 117.2                              | GGGG                |                      | 162                   | 43                   |
| 06921E                                  | 6002N             | 2557-05490                   | 00000/0000                  | 2-20030/0544     | 08/01/76            | 40              | 7760         | 44.3         | 146.2                              | GGGG                |                      | 172                   | 18                   |
| 06921E                                  | 5255N             | 2536-05343                   | 00000/0000                  | 2-20028/1028     | 07/11/76            | 30              | 7467         | 52.4         | 134.1                              | GGGG                |                      | 169                   | 23                   |
| 06921E                                  | 5254N             | 2518-05350                   | 00000/0000                  | 2-20027/0380     | 06/23/76            | 50              | 7216         | 54.0         | 134.3                              | GGGG                |                      | 169                   | 23                   |
| 06921E                                  | 4304N             | 2659-05162                   | 00000/0000                  | 2-20036/0319     | 11/11/76            | 30              | 9182         | 24.4         | 151.1                              | GGGG                |                      | 166                   | 30                   |
| 06921E                                  | 3854N             | 2730-05090                   | 00000/0000                  | 2-20030/0914     | 01/21/77            | 80              | 172          | 22.1         | 143.2                              | GGFG                |                      | 165                   | 33                   |
| 06921E                                  | 3852N             | 2676-05111                   | 00000/0000                  | 2-20036/1432     | 11/28/76            | 10              | 9419         | 23.6         | 149.6                              | GGGG                |                      | 165                   | 33                   |
| 06920E                                  | 5954N             | 2503-05503                   | 00000/0000                  | 2-20026/0992     | 06/08/76            | 60              | 7007         | 49.7         | 146.7                              | GGGG                |                      | 172                   | 18                   |
| 06920E                                  | 3429N             | 2657-05072                   | 00000/0000                  | 2-20036/0142     | 11/09/76            | 10              | 9154         | 31.4         | 146.3                              | GGGG                |                      | 164                   | 36                   |
| 06919E                                  | 5952N             | 2521-05500                   | 00000/0000                  | 2-20028/0132     | 06/26/76            | 50              | 7258         | 49.9         | 145.0                              | G G                 |                      | 172                   | 18                   |
| 06919E                                  | 3847N             | 2406-05192                   | 00000/0000                  | 2-20021/1019     | 03/03/76            | 100             | 5654         | 34.7         | 137.8                              | GGGG                |                      | 165                   | 33                   |
| 06918E                                  | 5253N             | 2662-05303                   | 00000/0000                  | 2-20036/0579     | 11/14/76            | 30              | 9224         | 15.8         | 156.3                              | GGGG                |                      | 169                   | 23                   |
| 06918E                                  | 3848N             | 2658-05115                   | 00000/0000                  | 2-20036/0180     | 11/10/76            | 90              | 9168         | 27.9         | 148.8                              | GGGG                |                      | 165                   | 33                   |
| 06918E                                  | 3845N             | 2514-05162                   | 00000/0000                  | 2-20027/0037     | 06/19/76            | 10              | 7160         | 59.0         | 110.2                              | GGGG                |                      | 165                   | 33                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06918E 2412N                            | 2385-05065        | 00000/0000                   | 2-20020/1336               | 02/11/76         | 0                   | 5361            | 36.9         | 132.5        | GGGG                               |                     |                      | 162                   | 43                   |
| 06917E 5952N                            | 2539-05493        | 00000/0000                   | 2-20028/1412               | 07/14/76         | 90                  | 7509            | 48.0         | 144.7        | GGGG                               |                     |                      | 172                   | 18                   |
| 06912E 2856N                            | 2710-05011        | 00000/0000                   | 2-20038/0450               | 01/01/77         | 20                  | 9893            | 27.4         | 142.1        | GFGG                               |                     |                      | 163                   | 40                   |
| 06911E 2855N                            | 2584-05054        | 00000/0000                   | 2-20037/0251               | 08/28/76         | 10                  | 8136            | 52.3         | 113.7        | GGGG                               |                     |                      | 163                   | 40                   |
| 06910E 2853N                            | 2728-05073        | 00000/0000                   | 2-20039/0137               | 01/19/77         | 0                   | 144             | 28.4         | 138.6        | GGGG                               |                     |                      | 163                   | 40                   |
| 06909E 2850N                            | 2674-05024        | 00000/0000                   | 2-20036/1551               | 11/26/76         | 0                   | 9391            | 31.4         | 144.6        | GGGG                               |                     |                      | 163                   | 40                   |
| 06908E 4604N                            | 2714-05190        | 00000/0000                   | 2-20038/0801               | 01/05/77         | 90                  | 9949            | 15.3         | 149.2        | GGGG                               |                     |                      | 167                   | 28                   |
| 06908E 2852N                            | 2602-05051        | 00000/0000                   | 2-20037/1303               | 09/15/76         | 10                  | 8387            | 49.1         | 123.1        | GGGG                               |                     |                      | 163                   | 40                   |
| 06907E 4602N                            | 2696-05194        | 00000/0000                   | 2-20038/0074               | 12/18/76         | 100                 | 9698            | 15.4         | 151.5        | GGGG                               |                     |                      | 167                   | 28                   |
| 06906E 5721N                            | 2466-05463        | 00000/0000                   | 2-20024/1563               | 05/02/76         | 70                  | 6491            | 44.5         | 147.5        | GGGG                               |                     |                      | 171                   | 20                   |
| 06904E 5723N                            | 2448-05470        | 00000/0000                   | 2-20023/0347               | 04/14/76         | 0                   | 6240            | 38.6         | 149.0        | GGGG                               |                     |                      | 171                   | 20                   |
| 06904E 2308N                            | 2727-04563        | 00000/0000                   | 2-20038/1448               | 01/18/77         | 10                  | 130             | 31.8         | 135.7        | PPPP                               |                     |                      | 162                   | 44                   |
| 06903E 2306N                            | 2601-04575        | 00000/0000                   | 2-20037/0769               | 12/13/76         | 0                   | 9628            | 32.6         | 141.3        | FGGG                               |                     |                      | 162                   | 44                   |
| 06902E 5722N                            | 2574-05433        | 00000/0000                   | 2-20030/1500               | 08/18/76         | 10                  | 7997            | 41.5         | 145.4        | GGFG                               |                     |                      | 171                   | 20                   |
| 06902E 2303N                            | 2673-04584        | 00000/0000                   | 2-20036/1280               | 11/25/76         | 40                  | 9377            | 35.6         | 141.2        | GGGG                               |                     |                      | 162                   | 44                   |
| 06901E 5721N                            | 2592-05430        | 00000/0000                   | 2-20037/0706               | 09/05/76         | 10                  | 8248            | 35.8         | 149.1        | FFFG                               |                     |                      | 171                   | 20                   |
| 06901E 2303N                            | 2655-04592        | 00000/0000                   | 2-20036/0048               | 11/07/76         | 30                  | 9126            | 39.7         | 138.6        | GGGG                               |                     |                      | 162                   | 44                   |
| 06901E 2300N                            | 2367-05073        | 00000/0000                   | 2-20020/0221               | 01/24/76         | 60                  | 5110            | 34.3         | 138.6        | GGFG                               |                     |                      | 162                   | 44                   |
| 06900E 4552N                            | 2660-05211        | 00000/0000                   | 2-20036/0360               | 11/12/76         | 50                  | 9196            | 21.9         | 152.6        | FGGG                               |                     |                      | 167                   | 28                   |
| 06900E 3314N                            | 2711-05053        | 00000/0000                   | 2-20038/0555               | 01/02/77         | 20                  | 9907            | 24.4         | 144.0        | FFFG                               |                     |                      | 164                   | 37                   |
| 06900E 3310N                            | 2693-05062        | 00000/0000                   | 2-20037/0915               | 12/15/76         | 10                  | 9656            | 25.3         | 146.3        | GGGG                               |                     |                      | 164                   | 37                   |
| 06900E 2302N                            | 2403-05065        | 00000/0000                   | 2-20021/0858               | 02/29/76         | 0                   | 5612            | 42.1         | 125.9        | FGGG                               |                     |                      | 162                   | 44                   |
| 06900E 2302N                            | 2619-05004        | 00000/0000                   | 2-20034/0220               | 10/02/76         | 40                  | 8624            | 48.1         | 125.3        | GGGG                               |                     |                      | 162                   | 44                   |
| 06900E 2302N                            | 2637-05000        | 00000/0000                   | 2-20034/1107               | 10/20/76         | 10                  | 8875            | 44.1         | 133.2        | GGGG                               |                     |                      | 162                   | 44                   |
| 06859E 5713N                            | 2484-05460        | 00000/0000                   | 2-20025/0962               | 05/20/76         | 90                  | 6742            | 49.0         | 145.2        | GGGG                               |                     |                      | 171                   | 20                   |
| 06859E 4151N                            | 2461-05227        | 00000/0000                   | 2-20024/0823               | 04/27/76         | 90                  | 6421            | 52.0         | 128.6        | GGGG                               |                     |                      | 166                   | 31                   |
| 06858E 4149N                            | 2443-05230        | 00000/0000                   | 2-20027/1888               | 04/09/76         | 30                  | 6170            | 46.4         | 139.0        | GGGG                               |                     |                      | 166                   | 31                   |
| 06858E 3732N                            | 2460-05140        | 00000/0000                   | 2-20024/0852               | 04/26/76         | 30                  | 6407            | 53.5         | 122.9        | GGGG                               |                     |                      | 165                   | 34                   |
| 06858E 3311N                            | 2729-05045        | 00000/0000                   | 2-20040/0025               | 01/20/77         | 10                  | 158             | 25.8         | 140.6        | FGGG                               |                     |                      | 164                   | 37                   |
| 06857E 5714N                            | 2556-05440        | 00000/0000                   | 2-20037/0374               | 07/31/76         | 20                  | 7746            | 46.3         | 142.2        | GGGG                               |                     |                      | 171                   | 20                   |
| 06857E 3307N                            | 2675-05071        | 00000/0000                   | 2-20036/1324               | 11/27/76         | 0                   | 9405            | 28.1         | 146.9        | GGGG                               |                     |                      | 164                   | 37                   |
| 06856E 5716N                            | 2610-05423        | 00000/0000                   | 2-20032/1708               | 09/23/76         | 70                  | 8499            | 29.6         | 152.8        | GGGG                               |                     |                      | 171                   | 20                   |
| 06856E 4855N                            | 2445-05322        | 00000/0000                   | 2-20022/1667               | 04/11/76         | 30                  | 6198            | 43.1         | 140.3        | GG P                               |                     |                      | 168                   | 26                   |
| 06856E 4855N                            | 2463-05315        | 00000/0000                   | 2-20024/0973               | 04/29/76         | 50                  | 6449            | 48.9         | 137.4        | GGGG                               |                     |                      | 168                   | 26                   |
| 06856E 4148N                            | 2569-05193        | 00000/0000                   | 2-20030/1229               | 08/13/76         | 0                   | 7927            | 51.1         | 124.6        | GGGG                               |                     |                      | 166                   | 31                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR MSN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION IN RBL<br>RBV MSS | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|-----------------------------------------|------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06855E                                  | 2247N             | 2365-05072                              | 00000/0000       | 2-20020/1337     | 02/11/76            | 20              | 5361         | 37.7         | 131.5                              | GGGG                |                      | 162                   | 44                   |
| 06855E                                  | 5438N             | 2447-05420                              | 00000/0000       | 2-20023/0884     | 04/13/76            | 20              | 6226         | 40.1         | 146.1                              | GGGG                |                      | 170                   | 22                   |
| 06855E                                  | 4148N             | 2713-05143                              | 00000/0000       | 2-20038/1132     | 01/04/77            | 80              | 9935         | 18.3         | 147.5                              | GGGG                |                      | 166                   | 31                   |
| 06855E                                  | 3731N             | 2712-05100                              | 00000/0000       | 2-20038/1641     | 01/03/77            | 90              | 9921         | 21.4         | 145.8                              | GGGG                |                      | 165                   | 34                   |
| 06855E                                  | 3730N             | 2442-05183                              | 00000/0000       | 2-20027/1620     | 04/08/76            | 80              | 6156         | 48.2         | 123.4                              | GGGG                |                      | 165                   | 34                   |
| 06854E                                  | 4854N             | 2715-05235                              | 00000/0000       | 2-20038/0851     | 01/06/77            | 20              | 9963         | 13.2         | 150.2                              | FFGF                |                      | 168                   | 26                   |
| 06854E                                  | 4850N             | 2481-05312                              | 00000/0000       | 2-20025/0697     | 05/17/76            | 20              | 6700         | 53.3         | 133.8                              | GGGG                |                      | 168                   | 26                   |
| 06854E                                  | 4147N             | 2695-05151                              | 00000/0000       | 2-20038/0031     | 12/17/76            | 80              | 9684         | 18.7         | 149.8                              | GGGF                |                      | 166                   | 31                   |
| 06854E                                  | 4142N             | 2677-05160                              | 00000/0000       | 2-20036/1507     | 11/29/76            | 90              | 9433         | 21.3         | 150.9                              | GGGG                |                      | 166                   | 31                   |
| 06854E                                  | 3727N             | 2694-05105                              | 00000/0000       | 2-20037/0986     | 12/16/76            | 10              | 9670         | 22.0         | 148.1                              | GGGG                |                      | 165                   | 34                   |
| 06854E                                  | 3304N             | 2657-05075                              | 00000/0000       | 2-20036/0143     | 11/09/76            | 10              | 9154         | 32.4         | 145.5                              | GGGG                |                      | 164                   | 37                   |
| 06853E                                  | 5708N             | 2502-05453                              | 00000/0000       | 2-20026/0941     | 06/07/76            | 10              | 6993         | 51.4         | 142.6                              | GGGG                |                      | 171                   | 20                   |
| 06853E                                  | 4850N             | 2697-05242                              | 00000/0000       | 2-20038/0305     | 12/19/76            | 40              | 9712         | 13.1         | 152.6                              | FFFF                |                      | 168                   | 26                   |
| 06853E                                  | 4146N             | 2731-05135                              | 00000/0000       | 2-20039/0178     | 01/22/77            | 40              | 186          | 20.3         | 144.4                              | GGGG                |                      | 166                   | 31                   |
| 06853E                                  | 4142N             | 2551-05201                              | 00000/0000       | 2-20039/0065     | 07/26/76            | 0               | 7676         | 54.5         | 118.9                              | GGGG                |                      | 166                   | 31                   |
| 06853E                                  | 4139N             | 2533-05204                              | 00000/0000       | 2-20028/0951     | 07/08/76            | 0               | 7425         | 57.0         | 115.6                              | GGGG                |                      | 166                   | 31                   |
| 06853E                                  | 3726N             | 2424-05191                              | 00000/0000       | 2-20022/0380     | 03/21/76            | 0               | 5905         | 42.0         | 132.9                              | GGFG                |                      | 165                   | 34                   |
| 06852E                                  | 3728N             | 2730-05032                              | 00000/0000       | 2-20039/0915     | 01/21/77            | 90              | 172          | 23.1         | 142.5                              | GGGF                |                      | 165                   | 34                   |
| 06852E                                  | 3726N             | 2676-05113                              | 00000/0000       | 2-20036/1433     | 11/28/76            | 10              | 9419         | 24.7         | 149.0                              | GGGG                |                      | 165                   | 34                   |
| 06852E                                  | 3722N             | 2532-05161                              | 00000/0000       | 2-20028/0845     | 07/07/76            | 10              | 7411         | 57.9         | 108.0                              | GGGG                |                      | 170                   | 22                   |
| 06851E                                  | 5433N             | 2465-05413                              | 00000/0000       | 2-20024/1056     | 05/01/76            | 70              | 6477         | 46.1         | 144.2                              | GGGG                |                      | 166                   | 31                   |
| 06851E                                  | 4133N             | 2515-05211                              | 00000/0000       | 2-20026/1732     | 06/20/76            | 0               | 7174         | 58.4         | 115.3                              | GGGG                |                      | 169                   | 24                   |
| 06850E                                  | 5146N             | 2446-05371                              | 00000/0000       | 2-20027/1812     | 04/12/76            | 10              | 6212         | 41.6         | 143.2                              | GGGG                |                      | 169                   | 24                   |
| 06850E                                  | 5146N             | 2464-05364                              | 00000/0000       | 2-20024/0765     | 04/30/76            | 10              | 6463         | 47.5         | 140.9                              | GGGG                |                      | 168                   | 26                   |
| 06850E                                  | 4853N             | 2571-05285                              | 00000/0000       | 2-20030/1581     | 08/15/76            | 10              | 7955         | 47.3         | 134.5                              | GGGG                |                      | 166                   | 31                   |
| 06850E                                  | 4139N             | 2659-05164                              | 00000/0000       | 2-20036/0320     | 11/11/76            | 10              | 9182         | 25.5         | 150.4                              | GGGG                |                      | 165                   | 34                   |
| 06850E                                  | 3723N             | 2658-05122                              | 00000/0000       | 2-20036/0181     | 11/10/76            | 90              | 9168         | 29.0         | 148.0                              | GGGG                |                      | 165                   | 34                   |
| 06850E                                  | 3722N             | 2406-05194                              | 00000/0000       | 2-20021/1020     | 03/03/76            | 90              | 5694         | 35.6         | 136.7                              | GGFG                |                      | 165                   | 34                   |
| 06850E                                  | 3719N             | 2514-05164                              | 00000/0000       | 2-20027/0035     | 06/19/76            | 10              | 7160         | 59.2         | 107.6                              | GGGG                |                      | 171                   | 20                   |
| 06849E                                  | 5707N             | 2538-05444                              | 00000/0000       | 2-20028/1276     | 07/13/76            | 30              | 7495         | 49.8         | 140.5                              | GGGG                |                      | 171                   | 20                   |
| 06849E                                  | 5704N             | 2520-05451                              | 00000/0000       | 2-20028/0057     | 06/25/76            | 50              | 7244         | 51.6         | 140.7                              | GGGG                |                      | 168                   | 26                   |
| 06849E                                  | 4846N             | 2553-05293                              | 00000/0000       | 2-20030/0223     | 07/28/76            | 50              | 7704         | 51.5         | 130.0                              | GGGF                |                      | 168                   | 26                   |
| 06849E                                  | 4845N             | 2679-05252                              | 00000/0000       | 2-20036/1724     | 12/01/76            | 20              | 9461         | 15.4         | 154.0                              | FFFF                |                      | 169                   | 24                   |
| 06848E                                  | 5144N             | 2716-05254                              | 00000/0000       | 2-20038/0942     | 01/07/77            | 40              | 9977         | 11.2         | 151.4                              | FFFF                |                      | 169                   | 24                   |
| 06848E                                  | 5143N             | 2698-05292                              | 00000/0000       | 2-20037/1208     | 12/20/76            | 10              | 9726         | 10.9         | 153.8                              | FFFF                |                      | 169                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 177

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0968

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 06848E                      | 4844N             | 2535-05300            | 00000/0000           | 2-20028/1067     | 17/10/76            | 40              | 7453         | 54.4         | 127.5                 | GGGG                |                      | 168                   | 26                   |
| 06848E                      | 2729N             | 2584-05061            | 00000/0000           | 2-20032/0292     | 08/28/76            | 10              | 8136         | 52.6         | 111.7                 | GGGG                |                      | 163                   | 41                   |
| 06848E                      | 2729N             | 2710-05013            | 00000/0000           | 2-20038/0451     | 01/01/77            | 30              | 9893         | 28.3         | 141.4                 | GGGG                |                      | 163                   | 41                   |
| 06848E                      | 2727N             | 2692-05022            | 00000/0000           | 2-20037/0811     | 12/14/76            | 0               | 9642         | 29.5         | 143.6                 | GGGG                |                      | 163                   | 41                   |
| 06847E                      | 5432N             | 2573-05334            | 00000/0000           | 2-20030/1371     | 08/17/76            | 40              | 7983         | 43.6         | 141.8                 | GGGG                |                      | 170                   | 22                   |
| 06847E                      | 4841N             | 2499-05310            | 00000/0000           | 2-20026/0797     | 06/04/76            | 20              | 6951         | 55.7         | 129.9                 | GGGG                |                      | 168                   | 26                   |
| 06847E                      | 4839N             | 2517-05309            | 00000/0000           | 2-20027/0337     | 06/22/76            | 20              | 7202         | 56.0         | 127.5                 | GGGG                |                      | 168                   | 26                   |
| 06846E                      | 5427N             | 2483-05411            | 00000/0000           | 2-20025/0810     | 05/19/76            | 30              | 6728         | 50.5         | 141.5                 | FGGG                |                      | 170                   | 22                   |
| 06846E                      | 5424N             | 2681-05350            | 00000/0000           | 2-20037/0046     | 12/03/76            | 90              | 9489         | 10.5         | 156.6                 | FGFF                |                      | 170                   | 22                   |
| 06846E                      | 5146N             | 2590-05332            | 00000/0000           | 2-20032/0597     | 09/03/76            | 0               | 8220         | 40.2         | 143.0                 | GGGG                |                      | 169                   | 24                   |
| 06846E                      | 2726N             | 2728-05005            | 00000/0000           | 2-20039/0138     | 01/19/77            | 0               | 144          | 29.3         | 137.9                 | GGGG                |                      | 163                   | 41                   |
| 06846E                      | 2724N             | 2674-05030            | 00000/0000           | 2-20036/1552     | 11/26/76            | 0               | 9391         | 32.4         | 143.8                 | GGGG                |                      | 163                   | 41                   |
| 06845E                      | 5428N             | 2555-05331            | 00000/0000           | 2-20030/0415     | 07/30/76            | 10              | 7732         | 48.1         | 138.3                 | GGGG                |                      | 170                   | 22                   |
| 06845E                      | 2726N             | 2602-05054            | 00000/0000           | 2-20032/1304     | 09/15/76            | 10              | 8387         | 49.7         | 121.4                 | GGGG                |                      | 163                   | 41                   |
| 06844E                      | 5144N             | 2572-05335            | 00000/0000           | 2-20030/1599     | 08/16/76            | 20              | 7969         | 45.5         | 138.2                 | GGGG                |                      | 169                   | 24                   |
| 06844E                      | 5138N             | 2482-05361            | 00000/0000           | 2-20025/0793     | 05/18/76            | 0               | 6714         | 52.0         | 137.7                 | GGGG                |                      | 169                   | 24                   |
| 06844E                      | 5136N             | 2680-05301            | 00000/0000           | 2-20036/1785     | 12/02/76            | 80              | 9475         | 12.9         | 155.3                 | GGGG                |                      | 169                   | 24                   |
| 06843E                      | 5421N             | 2537-05394            | 00000/0000           | 2-20028/1208     | 07/12/76            | 50              | 7481         | 51.5         | 136.3                 | FGGG                |                      | 170                   | 22                   |
| 06843E                      | 5137N             | 2554-05342            | 00000/0000           | 2-20030/0334     | 07/29/76            | 10              | 7718         | 49.9         | 134.2                 | GGGG                |                      | 169                   | 24                   |
| 06842E                      | 7651N             | 2451-07411            | 00000/0000           | 2-20024/0078     | 04/17/76            | 20              | 6283         | 23.7         | 184.6                 | G                   |                      | 191                   | 5                    |
| 06842E                      | 5134N             | 2500-05355            | 00000/0000           | 2-20026/0830     | 06/05/76            | 10              | 6965         | 54.4         | 134.3                 | GGGG                |                      | 169                   | 24                   |
| 06842E                      | 2141N             | 2727-04565            | 00000/0000           | 2-20038/1449     | 01/18/77            | 10              | 130          | 32.7         | 134.8                 | PPPP                |                      | 162                   | 45                   |
| 06841E                      | 5420N             | 2501-05404            | 00000/0000           | 2-20026/0899     | 06/06/76            | 10              | 6979         | 52.9         | 138.5                 | GGGG                |                      | 170                   | 22                   |
| 06841E                      | 5136N             | 2608-05325            | 00000/0000           | 2-20032/1570     | 09/21/76            | 20              | 8471         | 34.4         | 147.5                 | GGGG                |                      | 169                   | 24                   |
| 06841E                      | 2139N             | 2691-04582            | 00000/0000           | 2-20037/0770     | 12/13/76            | 0               | 9628         | 33.6         | 140.5                 | GGGF                |                      | 162                   | 45                   |
| 06840E                      | 5417N             | 2519-05401            | 00000/0000           | 2-20027/0482     | 06/24/76            | 50              | 7230         | 53.2         | 136.4                 | GGGG                |                      | 170                   | 22                   |
| 06840E                      | 2137N             | 2673-04590            | 00000/0000           | 2-20036/1281     | 11/25/76            | 30              | 9377         | 36.6         | 140.3                 | GGGG                |                      | 162                   | 45                   |
| 06839E                      | 5131N             | 2536-05345            | 00000/0000           | 2-20028/1029     | 07/11/76            | 60              | 7467         | 53.1         | 132.0                 | GGGG                |                      | 169                   | 24                   |
| 06839E                      | 5130N             | 2518-05352            | 00000/0000           | 2-20027/0381     | 06/23/76            | 40              | 7216         | 54.7         | 132.1                 | FGGG                |                      | 169                   | 24                   |
| 06837E                      | 5129N             | 2662-05305            | 00000/0000           | 2-20036/0580     | 11/14/76            | 70              | 9224         | 17.0         | 155.5                 | GGGG                |                      | 169                   | 24                   |
| 06835E                      | 3144N             | 2693-05064            | 00000/0000           | 2-20037/0916     | 12/15/76            | 0               | 9656         | 26.3         | 145.6                 | GGGG                |                      | 164                   | 38                   |
| 06834E                      | 4439N             | 2714-05192            | 00000/0000           | 2-20038/0802     | 01/05/77            | 50              | 9949         | 16.3         | 148.5                 | FGGG                |                      | 167                   | 29                   |
| 06834E                      | 3148N             | 2711-05060            | 00000/0000           | 2-20038/0556     | 01/02/77            | 30              | 9907         | 25.4         | 143.3                 | GGGG                |                      | 164                   | 38                   |
| 06833E                      | 4437N             | 2696-05200            | 00000/0000           | 2-20038/0075     | 12/18/76            | 100             | 9698         | 16.5         | 150.9                 | GGGG                |                      | 167                   | 29                   |
| 06832E                      | 3145N             | 2729-05052            | 00000/0000           | 2-20040/0026     | 01/20/77            | 10              | 158          | 26.7         | 139.9                 | GGGG                |                      | 164                   | 38                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN. H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR MBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0969

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06832E                                  | 3141N             | 2675-05073                   | 00000/0000                  | 2-20036/1325     | 11/27/76            | 0               | 9405         | 29.2         | 146.2                              | GGGG                |                      | 164                   | 38                   |
| 06831E                                  | 5844N             | 2575-05485                   | 00000/0000                  | 2-20030/1574     | 15/19/76            | 90              | 8011         | 40.3         | 147.2                              | GGGG                |                      | 172                   | 19                   |
| 06829E                                  | 5843N             | 2593-05482                   | 00000/0000                  | 2-20032/0834     | 09/06/76            | 0               | 8262         | 34.5         | 150.7                              | GGGG                |                      | 172                   | 19                   |
| 06829E                                  | 4025N             | 2461-05225                   | 00000/0000                  | 2-20024/0824     | 04/27/76            | 40              | 6421         | 52.6         | 126.7                              | GGGG                |                      | 166                   | 32                   |
| 06829E                                  | 3138N             | 2657-05081                   | 00000/0000                  | 2-20036/0144     | 11/09/76            | 0               | 9154         | 33.4         | 144.6                              | GGGG                |                      | 164                   | 38                   |
| 06828E                                  | 4024N             | 2443-05233                   | 00000/0000                  | 2-20022/1889     | 04/09/76            | 50              | 6170         | 47.1         | 131.4                              | GGGG                |                      | 164                   | 32                   |
| 06828E                                  | 4017N             | 2475-05223                   | 00000/0000                  | 2-20025/0464     | 05/15/76            | 20              | 6672         | 56.6         | 121.0                              | GGFG                |                      | 166                   | 32                   |
| 06827E                                  | 4427N             | 2660-05213                   | 00000/0000                  | 2-20036/0361     | 11/12/76            | 90              | 9196         | 23.1         | 151.9                              | GGGG                |                      | 167                   | 29                   |
| 06827E                                  | 3605N             | 2712-05103                   | 00000/0000                  | 2-20038/0642     | 01/03/77            | 90              | 9921         | 22.4         | 145.1                              | GGGG                |                      | 165                   | 35                   |
| 06826E                                  | 4023N             | 2569-05200                   | 00000/0000                  | 2-20030/1230     | 06/13/76            | 0               | 7927         | 51.6         | 122.7                              | GGGG                |                      | 166                   | 32                   |
| 06826E                                  | 3601N             | 2694-05111                   | 00000/0000                  | 2-20037/0987     | 12/16/76            | 10              | 9670         | 23.1         | 147.5                              | FGGG                |                      | 165                   | 35                   |
| 06825E                                  | 4022N             | 2713-05145                   | 00000/0000                  | 2-20038/1133     | 01/04/77            | 90              | 9935         | 19.4         | 146.9                              | GGGG                |                      | 166                   | 32                   |
| 06825E                                  | 3603N             | 2730-05054                   | 00000/0000                  | 2-20030/0916     | 11/21/77            | 90              | 172          | 24.0         | 141.8                              | FFGF                |                      | 165                   | 35                   |
| 06825E                                  | 3601N             | 2676-05120                   | 00000/0000                  | 2-20036/1434     | 11/28/76            | 10              | 9419         | 25.8         | 148.3                              | GGGG                |                      | 165                   | 35                   |
| 06824E                                  | 4021N             | 2695-05154                   | 00000/0000                  | 2-20038/0032     | 12/17/76            | 60              | 9684         | 19.8         | 149.2                              | GFGG                |                      | 166                   | 32                   |
| 06824E                                  | 4017N             | 2425-05240                   | 00000/0000                  | 2-20022/0402     | 03/22/76            | 50              | 5919         | 40.7         | 135.3                              | FGGG                |                      | 166                   | 32                   |
| 06824E                                  | 4016N             | 2677-05162                   | 00000/0000                  | 2-20036/1508     | 11/29/76            | 90              | 9433         | 22.4         | 150.3                              | GFGG                |                      | 166                   | 32                   |
| 06824E                                  | 2602N             | 2584-05053                   | 00000/0000                  | 2-20032/0450     | 08/28/76            | 10              | 8136         | 52.9         | 109.6                              | GGGG                |                      | 163                   | 42                   |
| 06824E                                  | 2602N             | 2710-05020                   | 00000/0000                  | 2-20038/0452     | 01/01/77            | 10              | 9893         | 29.3         | 140.7                              | GGGG                |                      | 163                   | 42                   |
| 06824E                                  | 2601N             | 2692-05024                   | 00000/0000                  | 2-20037/0812     | 12/14/76            | 0               | 9642         | 30.5         | 142.8                              | GGGG                |                      | 163                   | 42                   |
| 06823E                                  | 5839N             | 2557-05442                   | 00000/0000                  | 2-20030/0545     | 08/01/76            | 40              | 7760         | 45.2         | 144.3                              | GGGG                |                      | 172                   | 19                   |
| 06823E                                  | 5831N             | 2503-05515                   | 00000/0000                  | 2-20026/1027     | 06/08/76            | 30              | 7007         | 50.6         | 144.6                              | GGGG                |                      | 172                   | 19                   |
| 06823E                                  | 4013N             | 2497-05220                   | 00000/0000                  | 2-20026/0617     | 06/02/76            | 10              | 6923         | 58.6         | 115.8                              | GGGG                |                      | 166                   | 32                   |
| 06822E                                  | 4021N             | 2557-05113                   | 00000/0000                  | 2-20032/0422     | 08/31/76            | 0               | 8178         | 47.5         | 129.7                              | GGGG                |                      | 166                   | 32                   |
| 06822E                                  | 4020N             | 2731-05141                   | 00000/0000                  | 2-20039/0179     | 01/22/77            | 50              | 186          | 21.3         | 143.7                              | GGGF                |                      | 166                   | 32                   |
| 06822E                                  | 4018N             | 2605-05190                   | 00000/0000                  | 2-20032/1488     | 09/18/76            | 0               | 8429         | 42.7         | 136.6                              | GG                  |                      | 166                   | 32                   |
| 06822E                                  | 4016N             | 2551-05203                   | 00000/0000                  | 2-20030/0056     | 07/26/76            | 10              | 7676         | 54.9         | 116.7                              | GGGG                |                      | 166                   | 32                   |
| 06822E                                  | 4015N             | 2533-05210                   | 00000/0000                  | 2-20028/1550     | 07/08/76            | 10              | 7425         | 57.3         | 113.1                              | GGGG                |                      | 166                   | 32                   |
| 06822E                                  | 3558N             | 2658-05124                   | 00000/0000                  | 2-20036/0182     | 11/10/76            | 90              | 9168         | 30.0         | 147.2                              | GGGG                |                      | 165                   | 35                   |
| 06822E                                  | 2600N             | 2728-05012                   | 00000/0000                  | 2-20039/0139     | 01/19/77            | 0               | 144          | 30.2         | 137.1                              | GGGG                |                      | 163                   | 42                   |
| 06822E                                  | 2558N             | 2674-05033                   | 00000/0000                  | 2-20036/1553     | 11/26/76            | 0               | 9391         | 33.4         | 143.0                              | GGGG                |                      | 163                   | 42                   |
| 06821E                                  | 5030N             | 2521-05502                   | 00000/0000                  | 2-20028/0133     | 06/26/76            | 40              | 7258         | 50.7         | 142.8                              | GGGG                |                      | 172                   | 19                   |
| 06821E                                  | 4008N             | 2515-05213                   | 00000/0000                  | 2-20026/1733     | 06/20/76            | 10              | 7174         | 58.7         | 112.7                              | GGGG                |                      | 166                   | 32                   |
| 06821E                                  | 2600N             | 2502-05060                   | 00000/0000                  | 2-20032/1305     | 09/15/76            | 10              | 8387         | 50.2         | 119.7                              | GGGG                |                      | 163                   | 42                   |
| 06820E                                  | 5829N             | 2539-05405                   | 00000/0000                  | 2-20028/1413     | 07/14/76            | 70              | 7509         | 48.9         | 142.6                              | GGGG                |                      | 172                   | 19                   |

KEYS: CLOUD COVER : ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN=US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | SERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-----------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT             | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 06820E                      | 4730N           | 2463-05321            | 00000/0000           | 2-20024/0974     | 04/29/76            | 70              | 6449         | 49.7         | 135.6                 | GGGG                |                      | 168                   | 27                   |
| 06820E                      | 4014N           | 2659-05171            | 00000/0000           | 2-20036/0321     | 11/11/76            | 30              | 9182         | 26.6         | 149.6                 | GGGG                |                      | 166                   | 32                   |
| 06820E                      | 4013N           | 2641-05175            | 00000/0000           | 2-20034/1129     | 10/24/76            | 90              | 8931         | 31.8         | 147.1                 | GGGG                |                      | 164                   | 32                   |
| 06820E                      | 2015N           | 2727-04572            | 00000/0000           | 2-20038/1450     | 01/18/77            | 10              | 130          | 33.5         | 133.9                 | PPPP                |                      | 162                   | 46                   |
| 06820E                      | 2013N           | 2691-04584            | 00000/0000           | 2-20037/0771     | 12/13/76            | 10              | 9628         | 34.5         | 139.7                 | GGGG                |                      | 162                   | 46                   |
| 06818E                      | 2011N           | 2673-04593            | 00000/0000           | 2-20036/1282     | 11/25/76            | 20              | 9377         | 37.5         | 139.4                 | GGGG                |                      | 162                   | 46                   |
| 06817E                      | 4729N           | 2715-05241            | 00000/0000           | 2-20038/0852     | 01/06/77            | 20              | 9963         | 14.3         | 149.6                 | FFFF                |                      | 168                   | 27                   |
| 06816E                      | 4726N           | 2697-05250            | 00000/0000           | 2-20038/0309     | 12/19/76            | 30              | 9712         | 14.2         | 152.0                 | FFFF                |                      | 168                   | 27                   |
| 06815E                      | 5557N           | 2466-05465            | 00000/0000           | 2-20024/1564     | 05/02/76            | 40              | 6491         | 45.4         | 145.8                 | GGGG                |                      | 171                   | 21                   |
| 06814E                      | 4729N           | 2571-05292            | 00000/0000           | 2-20030/1582     | 08/15/76            | 0               | 7955         | 48.1         | 132.7                 | GGGG                |                      | 168                   | 27                   |
| 06813E                      | 5500N           | 2448-05472            | 00000/0000           | 2-20023/0196     | 04/14/76            | 0               | 6240         | 39.5         | 147.5                 | GGGG                |                      | 171                   | 21                   |
| 06812E                      | 4722N           | 2553-05295            | 00000/0000           | 2-20030/0224     | 07/28/76            | 40              | 7704         | 52.1         | 128.0                 | GGGF                |                      | 168                   | 27                   |
| 06812E                      | 4720N           | 2535-05312            | 00000/0000           | 2-20028/1068     | 07/10/76            | 40              | 7453         | 55.0         | 125.3                 | GGGG                |                      | 168                   | 27                   |
| 06812E                      | 4720N           | 2679-05254            | 00000/0000           | 2-20036/1725     | 12/01/76            | 10              | 9461         | 16.5         | 153.4                 | GGGG                |                      | 168                   | 27                   |
| 06811E                      | 5559N           | 2574-05440            | 00000/0000           | 2-20030/1501     | 08/13/76            | 10              | 7997         | 42.4         | 143.7                 | GGFG                |                      | 171                   | 21                   |
| 06811E                      | 4714N           | 2517-05305            | 00000/0000           | 2-20027/0338     | 06/22/76            | 10              | 7202         | 56.6         | 125.1                 | GGGG                |                      | 168                   | 27                   |
| 06810E                      | 5557N           | 2592-05433            | 00000/0000           | 2-20032/0707     | 09/05/76            | 30              | 8248         | 36.8         | 147.7                 | FFGG                |                      | 171                   | 21                   |
| 06810E                      | 5314N           | 2447-05423            | 00000/0000           | 2-20023/0085     | 04/13/76            | 40              | 6226         | 41.1         | 144.6                 | GGGG                |                      | 170                   | 23                   |
| 06810E                      | 3018N           | 2693-05071            | 00000/0000           | 2-20037/0917     | 12/15/76            | 0               | 9656         | 27.4         | 144.9                 | GGGG                |                      | 164                   | 39                   |
| 06809E                      | 5021N           | 2446-05374            | 00000/0000           | 2-20027/1813     | 04/12/76            | 0               | 6212         | 42.5         | 141.7                 | GGGG                |                      | 169                   | 25                   |
| 06809E                      | 5021N           | 2464-05371            | 00000/0000           | 2-20024/0766     | 04/30/76            | 30              | 6463         | 48.4         | 139.1                 | GGGG                |                      | 169                   | 25                   |
| 06809E                      | 4717N           | 2661-05263            | 00000/0000           | 2-20036/0492     | 11/13/76            | 10              | 8210         | 20.6         | 153.3                 | GGGG                |                      | 168                   | 27                   |
| 06809E                      | 3022N           | 2711-05062            | 00000/0000           | 2-20038/0557     | 01/02/77            | 10              | 9907         | 26.4         | 142.7                 | GGGF                |                      | 164                   | 39                   |
| 06808E                      | 5018N           | 2698-05295            | 00000/0000           | 2-20037/1209     | 12/20/76            | 50              | 9726         | 12.0         | 153.2                 | PPPP                |                      | 169                   | 25                   |
| 06808E                      | 3015N           | 2675-05080            | 00000/0000           | 2-20036/1326     | 11/27/76            | 0               | 9405         | 30.2         | 145.4                 | GGGG                |                      | 164                   | 39                   |
| 06807E                      | 5549N           | 2484-05463            | 00000/0000           | 2-20025/0963     | 05/20/76            | 90              | 6742         | 49.8         | 143.3                 | GGGG                |                      | 171                   | 21                   |
| 06807E                      | 5019N           | 2716-05290            | 00000/0000           | 2-20038/0943     | 01/07/77            | 30              | 9977         | 12.2         | 150.7                 | FFGG                |                      | 169                   | 25                   |
| 06807E                      | 3019N           | 2729-05054            | 00000/0000           | 2-20040/0027     | 01/20/77            | 0               | 158          | 27.6         | 139.2                 | GGGG                |                      | 164                   | 39                   |
| 06806E                      | 6009N           | 2466-05570            | 00000/0000           | 2-20024/1387     | 05/04/76            | 20              | 6519         | 43.1         | 150.9                 | G                   |                      | 173                   | 18                   |
| 06806E                      | 5550N           | 2556-05443            | 00000/0000           | 2-20030/0375     | 07/31/76            | 10              | 7746         | 47.1         | 140.3                 | GGGG                |                      | 171                   | 21                   |
| 06806E                      | 5309N           | 2465-05420            | 00000/0000           | 2-20024/1057     | 05/01/76            | 70              | 6477         | 47.0         | 142.4                 | FFGG                |                      | 170                   | 23                   |
| 06805E                      | 5552N           | 2610-05430            | 00000/0000           | 2-20032/1709     | 09/23/76            | 30              | 8499         | 30.7         | 151.6                 | GGGG                |                      | 171                   | 21                   |
| 06805E                      | 5022N           | 2590-05334            | 00000/0000           | 2-20032/0598     | 09/03/76            | 10              | 8220         | 41.1         | 141.5                 | GGGG                |                      | 169                   | 25                   |
| 06805E                      | 4316N           | 2462-05275            | 00000/0000           | 2-20024/0737     | 04/28/76            | 60              | 6435         | 51.6         | 130.3                 | GGGG                |                      | 167                   | 30                   |
| 06805E                      | 3012N           | 2657-05084            | 00000/0000           | 2-20036/0145     | 11/09/76            | 0               | 9154         | 34.4         | 143.8                 | GGGG                |                      | 164                   | 39                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0971

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS DATA<br>123 45678 | MSS<br>DATA<br>MDDF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06804E 5309N                            | 2717-05340        | 00000/0000                   | 2-20038/1063                | 01/08/77         | 10                  | 9991            | 10.2         | 151.9        | FFFF                                    |                     |                      | 170                   | 23                   |
| 06804E 5020N                            | 2572-05341        | 00000/0000                   | 2-20030/1600                | 08/16/76         | 20                  | 7969            | 46.3         | 136.5        | FGGG                                    |                     |                      | 169                   | 25                   |
| 06804E 5014N                            | 2482-05364        | 00000/0000                   | 2-20025/0794                | 05/18/76         | 10                  | 6714            | 52.7         | 135.6        | GGGG                                    |                     |                      | 169                   | 25                   |
| 06804E 5012N                            | 2680-05303        | 00000/0000                   | 2-20036/1786                | 12/02/76         | 80                  | 9475            | 14.1         | 154.7        | FFFF                                    |                     |                      | 169                   | 25                   |
| 06803E 6008N                            | 2594-05534        | 00000/0000                   | 2-20032/0936                | 09/07/76         | 10                  | 8276            | 33.2         | 152.4        | GGGG                                    |                     |                      | 173                   | 18                   |
| 06803E 5545N                            | 2502-05460        | 00000/0000                   | 2-20024/0942                | 06/07/76         | 10                  | 6993            | 52.2         | 140.5        | GGGG                                    |                     |                      | 171                   | 21                   |
| 06803E 5540N                            | 2664-05410        | 00000/0000                   | 2-20034/0790                | 11/16/76         | 40                  | 9252            | 13.0         | 157.8        | GGGG                                    |                     |                      | 171                   | 21                   |
| 06803E 5307N                            | 2573-05390        | 00000/0000                   | 2-20030/1372                | 08/17/76         | 10                  | 7983            | 44.4         | 140.1        | GGGG                                    |                     |                      | 170                   | 23                   |
| 06803E 5013N                            | 2554-05344        | 00000/0000                   | 2-20030/0335                | 07/29/76         | 10                  | 7718            | 50.6         | 132.3        | GGGG                                    |                     |                      | 169                   | 25                   |
| 06802E 6009N                            | 2576-05541        | 00000/0000                   | 2-20030/1537                | 08/23/76         | 90                  | 8025            | 39.0         | 149.1        | FGGG                                    |                     |                      | 173                   | 18                   |
| 06802E 5010N                            | 2500-05361        | 00000/0000                   | 2-20026/0831                | 06/05/76         | 10                  | 6965            | 55.1         | 132.1        | GGGG                                    |                     |                      | 169                   | 25                   |
| 06802E 2436N                            | 2584-05070        | 00000/0000                   | 2-20032/0451                | 08/28/76         | 10                  | 8136            | 53.1         | 107.6        | GGGG                                    |                     |                      | 163                   | 43                   |
| 06801E 5302N                            | 2483-05413        | 00000/0000                   | 2-20025/0811                | 05/19/76         | 30                  | 6728            | 51.3         | 139.5        | GGGG                                    |                     |                      | 170                   | 23                   |
| 06801E 5300N                            | 2681-05363        | 00000/0000                   | 2-20037/0047                | 12/03/76         | 90                  | 9489            | 11.6         | 155.9        | FGGG                                    |                     |                      | 170                   | 23                   |
| 06801E 4313N                            | 2714-05195        | 00000/0000                   | 2-20038/0803                | 01/05/77         | 10                  | 9949            | 17.4         | 147.9        | GGGG                                    |                     |                      | 167                   | 30                   |
| 06801E 4311N                            | 2696-05203        | 00000/0000                   | 2-20038/0076                | 12/18/76         | 90                  | 9698            | 17.6         | 150.3        | FFFF                                    |                     |                      | 167                   | 30                   |
| 06801E 2436N                            | 2710-05022        | 00000/0000                   | 2-20038/0453                | 01/01/77         | 0                   | 9893            | 30.2         | 139.9        | GFGG                                    |                     |                      | 163                   | 43                   |
| 06801E 2435N                            | 2692-05031        | 00000/0000                   | 2-20037/0813                | 12/14/76         | 0                   | 9642            | 31.5         | 142.1        | GGGG                                    |                     |                      | 163                   | 43                   |
| 06800E 5304N                            | 2555-05394        | 00000/0000                   | 2-20030/0416                | 07/30/76         | 10                  | 7732            | 48.9         | 136.4        | GGGG                                    |                     |                      | 170                   | 23                   |
| 06800E 5012N                            | 2608-05331        | 00000/0000                   | 2-20032/1550                | 09/21/76         | 30                  | 8471            | 35.4         | 146.3        | GGGG                                    |                     |                      | 169                   | 25                   |
| 06800E 5007N                            | 2536-05352        | 00000/0000                   | 2-20028/1030                | 07/11/76         | 50                  | 7467            | 53.7         | 129.8        | GGGG                                    |                     |                      | 169                   | 25                   |
| 06800E 4315N                            | 2570-05248        | 00000/0000                   | 2-20037/1265                | 08/14/76         | 0                   | 7941            | 50.3         | 126.9        | GGGG                                    |                     |                      | 167                   | 30                   |
| 06800E 3900N                            | 2461-05232        | 00000/0000                   | 2-20024/0825                | 04/27/76         | 70                  | 6421            | 53.2         | 124.7        | GGGG                                    |                     |                      | 166                   | 33                   |
| 06800E 3439N                            | 2712-05105        | 00000/0000                   | 2-20038/0643                | 01/03/77         | 90                  | 9921            | 23.4         | 144.5        | GGGG                                    |                     |                      | 165                   | 36                   |
| 06800E 2432N                            | 2674-05035        | 00000/0000                   | 2-20036/1554                | 11/26/76         | 0                   | 9391            | 34.4         | 142.2        | GGGG                                    |                     |                      | 163                   | 43                   |
| 06759E 5544N                            | 2538-05450        | 00000/0000                   | 2-20028/1279                | 07/13/76         | 30                  | 7495            | 50.6         | 138.4        | GGGG                                    |                     |                      | 171                   | 21                   |
| 06759E 5540N                            | 2520-05453        | 00000/0000                   | 2-20028/0058                | 06/25/76         | 70                  | 7244            | 52.4         | 138.5        | GFGF                                    |                     |                      | 171                   | 21                   |
| 06759E 5005N                            | 2518-05355        | 00000/0000                   | 2-20027/0382                | 06/23/76         | 40                  | 7216            | 55.3         | 129.8        | GGGG                                    |                     |                      | 169                   | 25                   |
| 06759E 3857N                            | 2443-05235        | 00000/0000                   | 2-20022/1890                | 04/09/76         | 70                  | 6170            | 47.8         | 129.8        | GFGG                                    |                     |                      | 166                   | 33                   |
| 06759E 3435N                            | 2694-05114        | 00000/0000                   | 2-20037/0988                | 12/16/76         | 0                   | 9670            | 24.2         | 146.8        | GGGG                                    |                     |                      | 165                   | 36                   |
| 06759E 2433N                            | 2602-05063        | 00000/0000                   | 2-20032/1306                | 09/15/76         | 20                  | 8387            | 50.7         | 117.9        | GGGG                                    |                     |                      | 163                   | 43                   |
| 06759E 2433N                            | 2728-05014        | 00000/0000                   | 2-20039/0140                | 01/19/77         | 0                   | 144             | 31.1         | 136.2        | GGGG                                    |                     |                      | 163                   | 43                   |
| 06758E 4305N                            | 2552-05253        | 00000/0000                   | 2-20030/0269                | 07/27/76         | 10                  | 7690            | 53.9         | 121.3        | G P                                     |                     |                      | 167                   | 30                   |
| 06758E 3437N                            | 2730-05101        | 00000/0000                   | 2-20039/0917                | 01/21/77         | 70                  | 172             | 25.0         | 141.1        | FGGG                                    |                     |                      | 165                   | 36                   |
| 06758E 3435N                            | 2676-05122        | 00000/0000                   | 2-20036/1435                | 11/28/76         | 0                   | 9419            | 26.8         | 147.6        | GGGG                                    |                     |                      | 168                   | 36                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0972

| PRINCIPAL POINT<br>OF IMAGE<br>LONG | LAT   | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06757E                              | 5257N | 2537-05401        | 00000/0000                   | 2-20028/1209                | 07/12/76         | 40                  | 7481            | 52.2         | 134.2        | GFGB                               |                     |                      | 170                   | 23                   |
| 06757E                              | 5005N | 2662-05312        | 00000/0000                   | 2-20036/0581                | 11/14/76         | 50                  | 9224            | 18.1         | 154.8        | GGGG                               |                     |                      | 169                   | 25                   |
| 06757E                              | 4303N | 2534-05260        | 00000/0000                   | 2-20028/0999                | 07/09/76         | 0                   | 7439            | 56.5         | 118.1        | GGGG                               |                     |                      | 167                   | 30                   |
| 06757E                              | 3856N | 2713-05152        | 00000/0000                   | 2-20038/1134                | 01/04/77         | 90                  | 9935            | 20.4         | 146.2        | GGGG                               |                     |                      | 166                   | 33                   |
| 06756E                              | 5257N | 2501-05411        | 00000/0000                   | 2-20026/0900                | 06/06/76         | 0                   | 6979            | 53.7         | 136.4        | GGGG                               |                     |                      | 170                   | 23                   |
| 06756E                              | 4300N | 2516-05262        | 00000/0000                   | 2-20027/0132                | 06/21/76         | 10                  | 7188            | 58.0         | 117.3        | GGFF                               |                     |                      | 167                   | 30                   |
| 06755E                              | 6000N | 2558-05544        | 00000/0000                   | 2-20030/0614                | 08/02/76         | 20                  | 7774            | 44.1         | 146.2        | GGGG                               |                     |                      | 173                   | 18                   |
| 06755E                              | 5953N | 2504-05561        | 00000/0000                   | 2-20026/1084                | 06/09/76         | 100                 | 7021            | 49.8         | 146.6        | FFGG                               |                     |                      | 173                   | 18                   |
| 06755E                              | 5253N | 2519-05404        | 00000/0000                   | 2-20027/0483                | 06/24/76         | 60                  | 7230            | 54.0         | 134.2        | GGGG                               |                     |                      | 170                   | 23                   |
| 06755E                              | 5252N | 2663-05361        | 00000/0000                   | 2-20036/0678                | 11/15/76         | 90                  | 9238            | 15.6         | 156.3        | GGGG                               |                     |                      | 170                   | 23                   |
| 06755E                              | 4302N | 2660-05220        | 00000/0000                   | 2-20036/0362                | 11/12/76         | 60                  | 9196            | 24.1         | 151.2        | FFGG                               |                     |                      | 167                   | 30                   |
| 06755E                              | 3856N | 2695-05160        | 00000/0000                   | 2-20038/0003                | 12/17/76         | 10                  | 9684            | 20.9         | 148.6        | G GG                               |                     |                      | 166                   | 33                   |
| 06755E                              | 3852N | 2425-05243        | 00000/0000                   | 2-20022/0331                | 03/22/76         | 20                  | 5919            | 41.5         | 134.0        | G GG                               |                     |                      | 166                   | 33                   |
| 06754E                              | 5954N | 2540-05551        | 00000/0000                   | 2-20028/1458                | 07/15/76         | 90                  | 7523            | 47.8         | 144.7        | GGGG                               |                     |                      | 173                   | 18                   |
| 06754E                              | 3851N | 2677-05165        | 00000/0000                   | 2-20036/1509                | 11/29/76         | 90                  | 9433            | 23.4         | 149.6        | FFGG                               |                     |                      | 166                   | 33                   |
| 06753E                              | 3854N | 2731-05144        | 00000/0000                   | 2-20039/0180                | 01/22/77         | 70                  | 186             | 22.3         | 143.0        | GGGG                               |                     |                      | 166                   | 33                   |
| 06753E                              | 3850N | 2533-05213        | 00000/0000                   | 2-20028/1551                | 07/08/76         | 20                  | 7425            | 57.6         | 110.6        | GGGG                               |                     |                      | 166                   | 33                   |
| 06752E                              | 3843N | 2515-05220        | 00000/0000                   | 2-20026/1734                | 06/20/76         | 10                  | 7174            | 58.9         | 110.1        | GGGG                               |                     |                      | 166                   | 33                   |
| 06751E                              | 3849N | 2659-05173        | 00000/0000                   | 2-20036/0322                | 11/11/76         | 40                  | 9182            | 27.7         | 148.9        | GGGG                               |                     |                      | 166                   | 33                   |
| 06751E                              | 3847N | 2641-05181        | 00000/0000                   | 2-20034/1130                | 10/24/76         | 90                  | 8931            | 32.8         | 146.2        | FFGG                               |                     |                      | 166                   | 33                   |
| 06748E                              | 5951N | 2522-05554        | 00000/0000                   | 2-20028/0173                | 06/27/76         | 30                  | 7272            | 49.8         | 144.9        | G                                  |                     |                      | 173                   | 18                   |
| 06746E                              | 2852N | 2693-05073        | 00000/0000                   | 2-20037/0918                | 12/15/76         | 0                   | 9656            | 28.4         | 144.2        | GGGG                               |                     |                      | 164                   | 40                   |
| 06745E                              | 2855N | 2711-05065        | 00000/0000                   | 2-20038/0558                | 01/02/77         | 0                   | 9907            | 27.4         | 142.0        | FFGG                               |                     |                      | 164                   | 40                   |
| 06745E                              | 2853N | 2585-05112        | 00000/0000                   | 2-20032/0168                | 08/29/76         | 10                  | 8150            | 52.2         | 114.2        | G                                  |                     |                      | 164                   | 40                   |
| 06744E                              | 4605N | 2463-05324        | 00000/0000                   | 2-20024/0975                | 04/29/76         | 60                  | 6449            | 50.5         | 133.8        | GGGG                               |                     |                      | 168                   | 28                   |
| 06744E                              | 2849N | 2675-05082        | 00000/0000                   | 2-20036/1327                | 11/27/76         | 0                   | 9405            | 31.2         | 144.6        | FFFF                               |                     |                      | 164                   | 40                   |
| 06743E                              | 2852N | 2729-05061        | 00000/0000                   | 2-20040/0028                | 01/20/77         | 0                   | 158             | 28.5         | 138.4        | GGGG                               |                     |                      | 164                   | 40                   |
| 06742E                              | 2850N | 2603-05105        | 00000/0000                   | 2-20032/1375                | 09/16/76         | 10                  | 8401            | 49.0         | 123.6        | GGGG                               |                     |                      | 164                   | 40                   |
| 06741E                              | 4604N | 2715-05244        | 00000/0000                   | 2-20038/0853                | 01/06/77         | 60                  | 9963            | 15.3         | 149.0        | GGGG                               |                     |                      | 168                   | 28                   |
| 06741E                              | 4601N | 2697-05252        | 00000/0000                   | 2-20038/0310                | 12/19/76         | 90                  | 9712            | 15.3         | 151.4        | FFFF                               |                     |                      | 168                   | 28                   |
| 06740E                              | 2846N | 2657-05090        | 00000/0000                   | 2-20036/0146                | 11/09/76         | 0                   | 9154            | 35.4         | 142.9        | GGGG                               |                     |                      | 164                   | 40                   |
| 06739E                              | 4603N | 2571-05294        | 00000/0000                   | 2-20030/1583                | 08/15/76         | 0                   | 7955            | 48.8         | 130.9        | GGGG                               |                     |                      | 168                   | 28                   |
| 06739E                              | 2309N | 2584-05072        | 00000/0000                   | 2-20032/0452                | 08/28/76         | 20                  | 8136            | 53.3         | 105.6        | GGGG                               |                     |                      | 163                   | 44                   |
| 06739E                              | 2307N | 2692-05033        | 00000/0000                   | 2-20037/0814                | 12/14/76         | 10                  | 9642            | 32.4         | 141.3        | GGGG                               |                     |                      | 163                   | 44                   |
| 06738E                              | 2309N | 2710-05025        | 00000/0000                   | 2-20038/0454                | 01/01/77         | 10                  | 9893            | 31.2         | 139.1        | FFGG                               |                     |                      | 163                   | 44                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=UNCOMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN. H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 0973

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06737E                                  | 4557N             | 2553-05302                   | 00000/0000                  | 2-20030/0225     | 07/28/76            | 10              | 7704         | 52.7         | 125.9                              | GGGF                |                      | 168                   | 28                   |
| 06737E                                  | 4555N             | 2535-05305                   | 00000/0000                  | 2-20025/1069     | 07/17/76            | 10              | 7453         | 55.5         | 123.0                              | GGGG                |                      | 168                   | 28                   |
| 06737E                                  | 4555N             | 2679-05261                   | 00000/0000                  | 2-20034/1726     | 12/01/76            | 40              | 9461         | 17.6         | 152.8                              | GGGG                |                      | 163                   | 28                   |
| 06737E                                  | 2307N             | 2725-05021                   | 00000/0000                  | 2-20039/0141     | 01/19/77            | 10              | 144          | 31.9         | 135.4                              | FGGG                |                      | 163                   | 44                   |
| 06737E                                  | 2306N             | 2674-05042                   | 00000/0000                  | 2-20034/1555     | 11/26/76            | 0               | 9391         | 35.4         | 141.3                              | GGGG                |                      | 163                   | 44                   |
| 06738E                                  | 0721N             | 2575-05491                   | 00000/0000                  | 2-20034/1575     | 08/10/76            | 90              | 8011         | 41.2         | 145.6                              | GGGG                |                      | 172                   | 20                   |
| 06738E                                  | 4550N             | 2517-05312                   | 00000/0000                  | 2-20027/0339     | 06/22/76            | 10              | 7202         | 57.1         | 122.6                              | GGGG                |                      | 168                   | 28                   |
| 06738E                                  | 2307N             | 2602-05065                   | 00000/0000                  | 2-20032/1307     | 09/15/76            | 20              | 8387         | 51.1         | 116.1                              | GGFG                |                      | 163                   | 44                   |
| 06738E                                  | 4552N             | 2661-05265                   | 00000/0000                  | 2-20034/0493     | 11/13/76            | 10              | 9210         | 21.7         | 152.6                              | GGGG                |                      | 163                   | 28                   |
| 06738E                                  | 3313N             | 2712-05112                   | 00000/0000                  | 2-20032/0644     | 01/03/77            | 90              | 9921         | 24.4         | 143.8                              | GGGF                |                      | 165                   | 37                   |
| 06738E                                  | 4149N             | 2462-05221                   | 00000/0000                  | 2-20024/0738     | 04/28/76            | 50              | 6435         | 52.3         | 128.3                              | GGGG                |                      | 167                   | 31                   |
| 06738E                                  | 3309N             | 2694-05120                   | 00000/0000                  | 2-20037/0949     | 12/16/76            | 0               | 9670         | 25.2         | 146.2                              | GGGG                |                      | 165                   | 37                   |
| 06738E                                  | 3734N             | 2461-05234                   | 00000/0000                  | 2-20024/0826     | 04/27/76            | 30              | 6421         | 53.8         | 122.6                              | GGGG                |                      | 166                   | 34                   |
| 06738E                                  | 3310N             | 2676-05125                   | 00000/0000                  | 2-20034/1436     | 11/25/76            | 0               | 9419         | 27.9         | 146.9                              | GGGG                |                      | 165                   | 37                   |
| 06738E                                  | 4857N             | 2446-05380                   | 00000/0000                  | 2-20022/1814     | 04/12/76            | 10              | 6212         | 43.4         | 140.2                              | GGGG                |                      | 169                   | 26                   |
| 06738E                                  | 4856N             | 2464-05373                   | 00000/0000                  | 2-20024/0767     | 04/30/76            | 60              | 6463         | 49.2         | 137.3                              | GGGG                |                      | 169                   | 26                   |
| 06738E                                  | 4146N             | 2696-05205                   | 00000/0000                  | 2-20034/0077     | 12/18/76            | 90              | 9698         | 18.6         | 149.7                              | GGGG                |                      | 167                   | 31                   |
| 06738E                                  | 3732N             | 2443-05242                   | 00000/0000                  | 2-20022/1891     | 04/09/76            | 60              | 6170         | 48.5         | 128.1                              | F3GG                |                      | 166                   | 34                   |
| 06729E                                  | 5716N             | 2557-05495                   | 00000/0000                  | 2-20030/0546     | 08/01/76            | 50              | 7760         | 46.1         | 142.4                              | GGGG                |                      | 172                   | 20                   |
| 06729E                                  | 5708N             | 2503-05512                   | 00000/0000                  | 2-20026/1028     | 06/02/76            | 70              | 7007         | 51.5         | 142.5                              | GGGG                |                      | 172                   | 20                   |
| 06729E                                  | 4854N             | 2698-05311                   | 00000/0000                  | 2-20037/1210     | 12/20/76            | 90              | 9726         | 13.1         | 152.5                              | FFFF                |                      | 169                   | 26                   |
| 06729E                                  | 3731N             | 2713-05154                   | 00000/0000                  | 2-20035/1135     | 01/04/77            | 100             | 9935         | 21.4         | 145.6                              | GGGG                |                      | 166                   | 34                   |
| 06729E                                  | 3307N             | 2658-05132                   | 00000/0000                  | 2-20036/0183     | 11/10/76            | 0               | 9168         | 32.1         | 145.6                              | GGGG                |                      | 165                   | 37                   |
| 06728E                                  | 5149N             | 2447-05425                   | 00000/0000                  | 2-20023/0086     | 04/13/76            | 40              | 6226         | 42.0         | 143.1                              | GGFG                |                      | 170                   | 24                   |
| 06728E                                  | 4854N             | 2716-05293                   | 00000/0000                  | 2-20038/0944     | 01/07/77            | 20              | 9977         | 13.3         | 150.1                              | FFFF                |                      | 169                   | 26                   |
| 06727E                                  | 5707N             | 2521-05505                   | 00000/0000                  | 2-20028/0134     | 06/26/76            | 20              | 7258         | 51.6         | 140.7                              | GGGG                |                      | 172                   | 20                   |
| 06727E                                  | 5433N             | 2466-05472                   | 00000/0000                  | 2-20024/1565     | 05/02/76            | 40              | 6491         | 46.4         | 144.0                              | GGGG                |                      | 171                   | 22                   |
| 06727E                                  | 4140N             | 2678-05214                   | 00000/0000                  | 2-20036/1623     | 11/30/76            | 90              | 9447         | 21.1         | 150.9                              | FFFF                |                      | 167                   | 31                   |
| 06727E                                  | 4137N             | 2534-05262                   | 00000/0000                  | 2-20028/1000     | 07/09/76            | 0               | 7439         | 56.9         | 115.7                              | GGGG                |                      | 167                   | 31                   |
| 06727E                                  | 3726N             | 2425-05245                   | 00000/0000                  | 2-20022/0382     | 03/22/76            | 80              | 5919         | 42.3         | 132.6                              | G GG                |                      | 166                   | 34                   |
| 06726E                                  | 5435N             | 2448-05475                   | 00000/0000                  | 2-20023/0197     | 04/14/76            | 10              | 6240         | 40.5         | 146.0                              | GGGG                |                      | 171                   | 22                   |
| 06726E                                  | 4849N             | 2482-05370                   | 00000/0000                  | 2-20025/0795     | 05/18/76            | 10              | 6714         | 53.5         | 133.6                              | GGGG                |                      | 169                   | 26                   |
| 06726E                                  | 4847N             | 2640-05310                   | 00000/0000                  | 2-20036/1787     | 12/02/76            | 70              | 9475         | 15.2         | 154.0                              | GGGG                |                      | 169                   | 26                   |
| 06726E                                  | 3730N             | 2635-05122                   | 00000/0000                  | 2-20038/0033     | 12/17/76            | 60              | 9684         | 21.9         | 148.0                              | GGGG                |                      | 166                   | 34                   |
| 06726E                                  | 3725N             | 2677-05171                   | 00000/0000                  | 2-20036/1510     | 11/29/76            | 40              | 9433         | 24.5         | 149.0                              | GGGG                |                      | 166                   | 34                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANK)=RAN NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODF ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=RAN GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06725E 4855N                            | 2572-05344        | 00000/0000                   | 2-20030/1631                | 08/16/76         | 10                  | 7969         | 47.1         | 134.8                              | GGGG                |                      | 169                   | 26                   |
| 06725E 4849N                            | 2554-05351        | 00000/0000                   | 2-20030/0336                | 07/29/76         | 10                  | 7718         | 51.3         | 130.3                              | GGGG                |                      | 169                   | 26                   |
| 06725E 4137N                            | 2660-05222        | 00000/0000                   | 2-20036/0363                | 11/12/76         | 60                  | 9196         | 25.2         | 150.4                              | GGGG                |                      | 167                   | 31                   |
| 06725E 4136N                            | 2516-05265        | 00000/0000                   | 2-20027/0133                | 06/21/76         | 10                  | 7188         | 58.3         | 115.2                              | FFFF                |                      | 167                   | 31                   |
| 06725E 3723N                            | 2533-05215        | 00000/0000                   | 2-20028/0907                | 07/08/76         | 10                  | 7425         | 57.8         | 108.1                              | GGGG                |                      | 166                   | 34                   |
| 06724E 4845N                            | 2500-05364        | 00000/0000                   | 2-20026/0832                | 06/05/76         | 10                  | 6965         | 55.7         | 129.8                              | GGGG                |                      | 169                   | 26                   |
| 06724E 3728N                            | 2731-05150        | 00000/0000                   | 2-20039/0181                | 01/22/77         | 90                  | 186          | 23.2         | 142.3                              | GGGG                |                      | 166                   | 34                   |
| 06724E 3718N                            | 2515-05222        | 00000/0000                   | 2-20027/0158                | 06/20/76         | 10                  | 7174         | 59.1         | 107.4                              | GGGG                |                      | 166                   | 34                   |
| 06723E 5435N                            | 2574-05442        | 00000/0000                   | 2-20030/1502                | 08/18/76         | 40                  | 7997         | 43.3         | 142.1                              | FGGG                |                      | 171                   | 22                   |
| 06723E 5145N                            | 2465-05422        | 00000/0000                   | 2-20024/1058                | 05/01/76         | 80                  | 6477         | 47.8         | 140.7                              | GGGG                |                      | 170                   | 24                   |
| 06723E 3723N                            | 2659-05180        | 00000/0000                   | 2-20036/0323                | 11/11/76         | 60                  | 9182         | 28.7         | 148.1                              | GGGG                |                      | 166                   | 34                   |
| 06722E 5433N                            | 2592-05435        | 00000/0000                   | 2-20032/0708                | 09/05/76         | 50                  | 8248         | 37.8         | 146.3                              | FFGG                |                      | 171                   | 22                   |
| 06722E 5142N                            | 2699-05350        | 00000/0000                   | 2-20037/1162                | 12/21/76         | 10                  | 9740         | 10.8         | 153.7                              | FFFF                |                      | 170                   | 24                   |
| 06722E 4842N                            | 2536-05354        | 00000/0000                   | 2-20028/1031                | 07/11/76         | 30                  | 7467         | 54.3         | 127.6                              | GGGG                |                      | 169                   | 26                   |
| 06722E 3722N                            | 2641-05184        | 00000/0000                   | 2-20034/1131                | 10/24/76         | 70                  | 8931         | 33.8         | 145.3                              | GFGG                |                      | 166                   | 34                   |
| 06722E 2726N                            | 2693-05080        | 00000/0000                   | 2-20037/0919                | 12/15/76         | 0                   | 9656         | 29.4         | 143.5                              | GGGG                |                      | 164                   | 41                   |
| 06721E 4842N                            | 2518-05361        | 00000/0000                   | 2-20027/0383                | 06/23/76         | 20                  | 7216         | 55.9         | 127.4                              | GGGG                |                      | 169                   | 26                   |
| 06721E 2728N                            | 2711-05071        | 00000/0000                   | 2-20030/0559                | 01/02/77         | 10                  | 9907         | 28.3         | 141.2                              | GGGG                |                      | 164                   | 41                   |
| 06721E 2726N                            | 2585-05115        | 00000/0000                   | 2-20032/0169                | 08/29/76         | 0                   | 8150         | 52.5         | 112.2                              | GGGG                |                      | 164                   | 41                   |
| 06720E 5143N                            | 2573-05393        | 00000/0000                   | 2-20030/1373                | 08/17/76         | 0                   | 7983         | 45.2         | 138.5                              | GGGG                |                      | 170                   | 24                   |
| 06720E 2723N                            | 2675-05085        | 00000/0000                   | 2-20036/1328                | 11/27/76         | 0                   | 9405         | 32.3         | 143.9                              | PGGG                |                      | 164                   | 41                   |
| 06719E 5426N                            | 2556-05445        | 00000/0000                   | 2-20030/0376                | 07/31/76         | 10                  | 7746         | 47.9         | 138.4                              | GGGG                |                      | 171                   | 22                   |
| 06719E 5425N                            | 2484-05465        | 00000/0000                   | 2-20025/0964                | 05/20/76         | 70                  | 6742         | 50.7         | 141.3                              | GGGG                |                      | 171                   | 22                   |
| 06719E 4841N                            | 2662-05314        | 00000/0000                   | 2-20036/0582                | 11/14/76         | 70                  | 9224         | 19.2         | 154.1                              | GGGG                |                      | 169                   | 26                   |
| 06719E 2726N                            | 2729-05063        | 00000/0000                   | 2-20040/0029                | 01/20/77         | 0                   | 158          | 29.4         | 137.6                              | FGGG                |                      | 164                   | 41                   |
| 06719E 2724N                            | 2603-05112        | 00000/0000                   | 2-20032/1376                | 09/16/76         | 10                  | 8401         | 49.5         | 121.9                              | GGG                 |                      | 164                   | 41                   |
| 06718E 5428N                            | 2610-05432        | 00000/0000                   | 2-20032/1710                | 09/23/76         | 0                   | 8499         | 31.7         | 150.4                              | GGGG                |                      | 171                   | 22                   |
| 06718E 5139N                            | 2555-05400        | 00000/0000                   | 2-20030/0417                | 07/30/76         | 10                  | 7732         | 49.7         | 134.5                              | GGGG                |                      | 170                   | 24                   |
| 06718E 5138N                            | 2483-05420        | 00000/0000                   | 2-20025/0812                | 05/19/76         | 10                  | 6728         | 52.2         | 137.5                              | GFGG                |                      | 170                   | 24                   |
| 06718E 5136N                            | 2681-05355        | 00000/0000                   | 2-20037/0048                | 12/03/76         | 50                  | 9489         | 12.8         | 155.3                              | GGGG                |                      | 170                   | 24                   |
| 06717E 5423N                            | 2682-05404        | 00000/0000                   | 2-20037/0001                | 12/04/76         | 40                  | 9503         | 10.4         | 156.6                              | FFGG                |                      | 171                   | 22                   |
| 06717E 5417N                            | 2664-05413        | 00000/0000                   | 2-20036/0791                | 11/16/76         | 50                  | 9252         | 14.2         | 157.1                              | FGFF                |                      | 171                   | 22                   |
| 06717E 2720N                            | 2657-05093        | 00000/0000                   | 2-20036/0147                | 11/09/76         | 0                   | 9154         | 36.4         | 142.0                              | GGGG                |                      | 164                   | 41                   |
| 06717E 2140N                            | 2632-05040        | 00000/0000                   | 2-20037/0815                | 12/14/76         | 20                  | 9642         | 33.4         | 140.5                              | GGGF                |                      | 163                   | 45                   |
| 06716E 5421N                            | 2502-05462        | 00000/0000                   | 2-20026/0943                | 06/07/76         | 10                  | 6993         | 53.0         | 138.4                              | GGGG                |                      | 171                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06716E                                  | 2143N             | 2710-05031                   | 00000/0000                  | 2-20038/0455     | 01/01/77            | 0               | 9893         | 32.1         | 138.3                              | FGFG                |                      | 163                   | 45                   |
| 06715E                                  | 5134N             | 2537-05403                   | 00000/0000                  | 2-20028/1210     | 07/12/76            | 30              | 7481         | 52.9         | 132.1                              | FGFG                |                      | 170                   | 24                   |
| 06715E                                  | 2140N             | 2728-05023                   | 00000/0000                  | 2-20039/0142     | 01/19/77            | 10              | 144          | 32.8         | 134.6                              | FGGG                |                      | 163                   | 45                   |
| 06715E                                  | 2139N             | 2674-05044                   | 00000/0000                  | 2-20036/1556     | 11/26/76            | 10              | 9391         | 36.4         | 140.4                              | GGGG                |                      | 163                   | 45                   |
| 06714E                                  | 5133N             | 2501-05413                   | 00000/0000                  | 2-20026/0901     | 06/06/76            | 10              | 6979         | 54.5         | 134.2                              | GGGG                |                      | 170                   | 24                   |
| 06713E                                  | 5129N             | 2519-05410                   | 00000/0000                  | 2-20027/0484     | 06/24/76            | 10              | 7230         | 54.6         | 132.0                              | GGGG                |                      | 170                   | 24                   |
| 06712E                                  | 5420N             | 2538-05453                   | 00000/0000                  | 2-20028/1280     | 07/13/76            | 30              | 7495         | 51.4         | 136.4                              | GGGG                |                      | 171                   | 22                   |
| 06712E                                  | 5416N             | 2520-05460                   | 00000/0000                  | 2-20028/0059     | 06/25/76            | 50              | 7244         | 53.2         | 136.3                              | GGGG                |                      | 171                   | 22                   |
| 06710E                                  | 4439N             | 2463-05330                   | 00000/0000                  | 2-20024/0976     | 04/29/76            | 50              | 6449         | 51.2         | 131.9                              | GGGG                |                      | 168                   | 29                   |
| 06709E                                  | 3147N             | 2712-05114                   | 00000/0000                  | 2-20038/0645     | 01/03/77            | 90              | 9921         | 25.4         | 143.2                              | GGGG                |                      | 165                   | 38                   |
| 06708E                                  | 5846N             | 2450-05580                   | 00000/0000                  | 2-0023/0261      | 04/16/76            | 10              | 6268         | 38.3         | 150.4                              | GGGG                |                      | 173                   | 19                   |
| 06708E                                  | 5846N             | 2468-05573                   | 00000/0000                  | 2-20024/1398     | 05/04/76            | 30              | 6519         | 44.1         | 149.1                              | G F                 |                      | 173                   | 19                   |
| 06708E                                  | 4438N             | 2715-05250                   | 00000/0000                  | 2-20038/0854     | 01/06/77            | 30              | 9963         | 16.4         | 148.4                              | GGFG                |                      | 168                   | 29                   |
| 06708E                                  | 3143N             | 2694-05123                   | 00000/0000                  | 2-20037/0990     | 12/16/76            | 10              | 9670         | 26.2         | 145.5                              | GGGG                |                      | 168                   | 29                   |
| 06707E                                  | 4436N             | 2697-05255                   | 00000/0000                  | 2-20038/0311     | 12/19/76            | 100             | 9712         | 16.4         | 150.8                              | FFFF                |                      | 168                   | 29                   |
| 06706E                                  | 3144N             | 2676-05131                   | 00000/0000                  | 2-20036/1437     | 11/28/76            | 0               | 9419         | 28.9         | 146.2                              | GGFF                |                      | 165                   | 38                   |
| 06706E                                  | 3144N             | 2730-05110                   | 00000/0000                  | 2-20039/0918     | 01/21/77            | 50              | 172          | 26.8         | 139.7                              | GGGG                |                      | 165                   | 38                   |
| 06705E                                  | 5845N             | 2594-05540                   | 00000/0000                  | 2-20032/0937     | 09/07/76            | 10              | 8276         | 34.2         | 151.0                              | GGGG                |                      | 173                   | 19                   |
| 06705E                                  | 4439N             | 2571-05301                   | 00000/0000                  | 2-20030/1584     | 08/15/76            | 0               | 7955         | 49.4         | 129.1                              | GGGG                |                      | 168                   | 29                   |
| 06704E                                  | 5846N             | 2576-05543                   | 00000/0000                  | 2-20030/1538     | 08/20/76            | 40              | 8025         | 40.0         | 147.4                              | FGGG                |                      | 173                   | 19                   |
| 06704E                                  | 4432N             | 2553-05304                   | 00000/0000                  | 2-20030/0226     | 07/28/76            | 30              | 7704         | 53.2         | 123.8                              | GGGG                |                      | 168                   | 29                   |
| 06704E                                  | 4430N             | 2535-05311                   | 00000/0000                  | 2-20028/1070     | 07/10/76            | 10              | 7453         | 56.0         | 120.6                              | GGGG                |                      | 168                   | 29                   |
| 06704E                                  | 4430N             | 2679-05263                   | 00000/0000                  | 2-20036/1727     | 12/01/76            | 80              | 9461         | 18.7         | 152.1                              | GGGG                |                      | 168                   | 29                   |
| 06704E                                  | 4024N             | 2462-05284                   | 00000/0000                  | 2-20024/0739     | 04/28/76            | 50              | 6435         | 52.9         | 126.3                              | GGGG                |                      | 167                   | 32                   |
| 06704E                                  | 3141N             | 2658-05140                   | 00000/0000                  | 2-20036/0184     | 11/10/76            | 0               | 9168         | 33.1         | 144.8                              | GGGG                |                      | 165                   | 38                   |
| 06703E                                  | 4425N             | 2517-05314                   | 00000/0000                  | 2-20027/0340     | 06/22/76            | 10              | 7202         | 57.5         | 120.2                              | GGGG                |                      | 168                   | 29                   |
| 06702E                                  | 4427N             | 2661-05272                   | 00000/0000                  | 2-20036/0494     | 11/13/76            | 50              | 9210         | 22.8         | 151.9                              | GGGG                |                      | 168                   | 29                   |
| 06702E                                  | 4025N             | 2444-05291                   | 00000/0000                  | 2-20022/1804     | 04/10/76            | 80              | 6184         | 47.5         | 131.2                              | GGGG                |                      | 167                   | 32                   |
| 06702E                                  | 3606N             | 2713-05161                   | 00000/0000                  | 2-20038/1136     | 01/04/77            | 80              | 9935         | 22.5         | 145.0                              | GGGG                |                      | 166                   | 35                   |
| 06701E                                  | 5835N             | 2486-05570                   | 00000/0000                  | 2-20025/1074     | 05/22/76            | 0               | 6770         | 48.4         | 146.9                              | GGGG                |                      | 173                   | 19                   |
| 06700E                                  | 4022N             | 2714-05204                   | 00000/0000                  | 2-20038/0804     | 01/05/77            | 70              | 9949         | 19.4         | 146.7                              | FGFG                |                      | 167                   | 32                   |
| 06700E                                  | 4020N             | 2426-05294                   | 00000/0000                  | 2-20022/0454     | 03/23/76            | 80              | 5933         | 41.1         | 135.1                              | GGGG                |                      | 167                   | 32                   |
| 06659E                                  | 5839N             | 2612-05533                   | 00000/0000                  | 2-20032/1801     | 09/25/76            | 90              | 8527         | 27.9         | 154.4                              | GGFG                |                      | 173                   | 19                   |
| 06659E                                  | 4020N             | 2696-05212                   | 00000/0000                  | 2-20038/0078     | 12/18/76            | 40              | 9698         | 19.7         | 149.1                              | FFFF                |                      | 167                   | 32                   |
| 06659E                                  | 3604N             | 2695-05165                   | 00000/0000                  | 2-20038/0034     | 12/17/76            | 10              | 9684         | 23.0         | 147.4                              | FGGG                |                      | 166                   | 35                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | SERVIATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06659E                      | 3600N | 2677-05174 | 02000/0000       | 2-20036/1511                 | 11/29/76                   | 10               | 9433                | 25.6            | 148.3        | GGGG         |                                    |                     | 166                  | 35                    |                      |
| 06658E                      | 2602N | 2711-05074 | 02000/0000       | 2-20038/1560                 | 11/02/77                   | 0                | 9907                | 29.3            | 140.5        | GGGG         |                                    |                     | 164                  | 42                    |                      |
| 06658E                      | 2601N | 2693-05082 | 02000/0000       | 2-20037/0920                 | 12/15/76                   | 0                | 9656                | 30.4            | 142.7        | GGGG         |                                    |                     | 164                  | 42                    |                      |
| 06658E                      | 2600N | 2585-05121 | 02000/0000       | 2-20037/0170                 | 08/29/76                   | 10               | 8150                | 52.8            | 110.2        | GGGG         |                                    |                     | 164                  | 42                    |                      |
| 06657E                      | 5838N | 2558-05550 | 02000/0000       | 2-20030/0615                 | 08/02/76                   | 70               | 7774                | 45.0            | 144.4        | GGGG         |                                    |                     | 173                  | 19                    |                      |
| 06657E                      | 5831N | 2540-05554 | 02000/0000       | 2-20028/1459                 | 07/15/76                   | 100              | 7523                | 48.7            | 142.7        | FGGG         |                                    |                     | 173                  | 19                    |                      |
| 06657E                      | 5830N | 2534-05554 | 02000/0000       | 2-20026/1085                 | 06/09/76                   | 100              | 7021                | 50.7            | 144.5        | FFGG         |                                    |                     | 173                  | 19                    |                      |
| 06657E                      | 4314N | 2678-05221 | 02000/0000       | 2-20036/1624                 | 11/30/76                   | 90               | 9447                | 22.2            | 150.3        | GGGG         |                                    |                     | 167                  | 32                    |                      |
| 06657E                      | 4013N | 2498-05274 | 02000/0000       | 2-20024/0682                 | 06/03/76                   | 10               | 6937                | 58.6            | 115.5        | FGGG         |                                    |                     | 167                  | 32                    |                      |
| 06657E                      | 4012N | 2534-05265 | 02000/0000       | 2-20028/1001                 | 07/09/76                   | 0                | 7439                | 57.2            | 113.2        | GGGG         |                                    |                     | 167                  | 32                    |                      |
| 06657E                      | 2556N | 2675-05091 | 02000/0000       | 2-20036/1329                 | 11/27/76                   | 0                | 9405                | 33.3            | 143.1        | GGGG         |                                    |                     | 164                  | 42                    |                      |
| 06656E                      | 3602N | 2731-05153 | 02000/0000       | 2-20039/0182                 | 11/22/77                   | 90               | 186                 | 24.2            | 141.6        | GGGG         |                                    |                     | 166                  | 35                    |                      |
| 06656E                      | 3557N | 2659-05112 | 02000/0000       | 2-20034/1324                 | 11/11/76                   | 70               | 9182                | 29.8            | 147.4        | GGGG         |                                    |                     | 166                  | 35                    |                      |
| 06656E                      | 2600N | 2729-05070 | 02000/0000       | 2-20040/1030                 | 01/20/77                   | 0                | 158                 | 30.3            | 136.8        | GGGG         |                                    |                     | 164                  | 42                    |                      |
| 06655E                      | 4312N | 2660-05225 | 02000/0000       | 2-20036/1364                 | 11/12/76                   | 70               | 9196                | 26.3            | 149.7        | GGGG         |                                    |                     | 167                  | 32                    |                      |
| 06655E                      | 4011N | 2516-05272 | 02000/0000       | 2-20027/1134                 | 06/21/76                   | 0                | 7188                | 58.6            | 112.7        | GGGG         |                                    |                     | 167                  | 32                    |                      |
| 06655E                      | 2558N | 2603-05114 | 02000/0000       | 2-20037/1377                 | 09/16/76                   | 20               | 8401                | 50.0            | 120.2        | GGGG         |                                    |                     | 164                  | 42                    |                      |
| 06655E                      | 2014N | 2692-05042 | 02000/0000       | 2-20037/0816                 | 12/14/76                   | 20               | 9642                | 34.4            | 139.6        | GGGG         |                                    |                     | 163                  | 46                    |                      |
| 06654E                      | 2316N | 2710-05034 | 02000/0000       | 2-20038/0456                 | 01/01/77                   | 0                | 9893                | 33.0            | 137.5        | FGFG         |                                    |                     | 163                  | 46                    |                      |
| 06653E                      | 4731N | 2464-05380 | 02000/0000       | 2-20024/1768                 | 04/30/76                   | 70               | 6463                | 50.0            | 135.5        | GGGG         |                                    |                     | 169                  | 27                    |                      |
| 06653E                      | 4006N | 2372-05311 | 02000/0000       | 2-20020/0547                 | 11/29/76                   | 10               | 5180                | 23.9            | 145.0        | GGGG         |                                    |                     | 167                  | 32                    |                      |
| 06653E                      | 2554N | 2657-05095 | 02000/0000       | 2-20036/0148                 | 11/09/76                   | 0                | 9154                | 37.4            | 141.0        | GGGG         |                                    |                     | 164                  | 42                    |                      |
| 06653E                      | 2013N | 2674-05051 | 02000/0000       | 2-20034/1557                 | 11/26/76                   | 10               | 9391                | 37.3            | 139.5        | GGGG         |                                    |                     | 163                  | 46                    |                      |
| 06653E                      | 2313N | 2726-05030 | 02000/0000       | 2-20039/1143                 | 11/19/77                   | 10               | 144                 | 33.6            | 133.7        | GGGG         |                                    |                     | 163                  | 46                    |                      |
| 06652E                      | 4729N | 2698-05304 | 02000/0000       | 2-20037/1211                 | 12/20/76                   | 40               | 9726                | 14.1            | 151.9        | FFFF         |                                    |                     | 169                  | 27                    |                      |
| 06652E                      | 4011N | 2624-05241 | 02000/0000       | 2-20034/0492                 | 10/07/76                   | 0                | 8694                | 37.1            | 142.9        | GGGG         |                                    |                     | 167                  | 32                    |                      |
| 06651E                      | 5828N | 2522-05561 | 02000/0000       | 2-20028/1174                 | 06/27/76                   | 50               | 7272                | 50.7            | 142.8        | FGGG         |                                    |                     | 173                  | 19                    |                      |
| 06651E                      | 4308N | 2330-05335 | 02000/0000       | 2-20020/1636                 | 12/16/76                   | 40               | 5431                | 28.6            | 141.7        | GGGG         |                                    |                     | 167                  | 32                    |                      |
| 06650E                      | 4722N | 2716-05295 | 02000/0000       | 2-20038/1945                 | 01/07/77                   | 60               | 9977                | 14.4            | 149.5        | GGGG         |                                    |                     | 169                  | 27                    |                      |
| 06650E                      | 4724N | 2482-05373 | 02000/0000       | 2-20025/0796                 | 05/18/76                   | 10               | 6714                | 54.2            | 131.4        | GGGG         |                                    |                     | 169                  | 27                    |                      |
| 06650E                      | 4723N | 2680-05312 | 02000/0000       | 2-20036/1788                 | 12/02/76                   | 20               | 9475                | 16.3            | 153.4        | FFFG         |                                    |                     | 169                  | 27                    |                      |
| 06649E                      | 4731N | 2572-05350 | 02000/0000       | 2-20030/1602                 | 08/16/76                   | 10               | 7969                | 47.8            | 133.1        | GGGG         |                                    |                     | 169                  | 27                    |                      |
| 06649E                      | 4309N | 2438-05302 | 02000/0000       | 2-20021/1103                 | 03/05/76                   | 10               | 5682                | 34.6            | 138.5        | FGGG         |                                    |                     | 167                  | 32                    |                      |
| 06648E                      | 4725N | 2554-05352 | 02000/0000       | 2-20030/1337                 | 07/29/76                   | 10               | 7718                | 51.9            | 128.2        | GGGG         |                                    |                     | 169                  | 27                    |                      |
| 06647E                      | 5559N | 2467-05523 | 02000/0000       | 2-20024/1883                 | 05/03/76                   | 20               | 6505                | 45.7            | 145.7        | GGGG         |                                    |                     | 172                  | 21                    |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
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| PRINCIPAL PRINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06647E 5024N                            | 2447-05432        | 00000/0000                   | 2-20023/0087                | 04/13/76         | 90                  | 6226            | 42.9         | 141.6        | FGFG                               |                     |                      | 170                   | 25                   |
| 06647E 4720N                            | 2500-05370        | 00000/0000                   | 2-20026/0833                | 06/05/76         | 10                  | 6965            | 56.4         | 127.5        | GGGG                               |                     |                      | 169                   | 27                   |
| 06646E 4718N                            | 2536-05361        | 00000/0000                   | 2-20028/1032                | 07/11/76         | 40                  | 7467            | 54.9         | 125.3        | GGGG                               |                     |                      | 169                   | 27                   |
| 06645E 5557N                            | 2575-05494        | 00000/0000                   | 2-20030/1576                | 08/19/76         | 70                  | 8011            | 42.1         | 143.9        | GGGG                               |                     |                      | 172                   | 21                   |
| 06644E 4717N                            | 2518-05384        | 00000/0000                   | 2-20027/0384                | 06/23/76         | 20                  | 7216            | 56.5         | 125.1        | GGGF                               |                     |                      | 169                   | 27                   |
| 06644E 3021N                            | 2712-05121        | 00000/0000                   | 2-20038/0646                | 01/03/77         | 90                  | 9921            | 26.4         | 142.5        | GGGF                               |                     |                      | 163                   | 39                   |
| 06643E 5556N                            | 2593-05491        | 00000/0000                   | 2-20032/0835                | 09/06/76         | 0                   | 8262            | 36.5         | 147.9        | GGGG                               |                     |                      | 172                   | 21                   |
| 06643E 5020N                            | 2465-05425        | 00000/0000                   | 2-20024/1059                | 05/01/76         | 70                  | 6477            | 48.7         | 138.9        | GGGG                               |                     |                      | 170                   | 25                   |
| 06643E 4717N                            | 2662-05321        | 00000/0000                   | 2-20036/0583                | 11/14/76         | 90                  | 9224            | 20.3         | 153.4        | FGGG                               |                     |                      | 169                   | 27                   |
| 06643E 3017N                            | 2694-05125        | 00000/0000                   | 2-20037/0991                | 12/16/76         | 0                   | 9670            | 27.3         | 144.8        | GGGG                               |                     |                      | 163                   | 39                   |
| 06641E 5312N                            | 2448-05481        | 00000/0000                   | 2-20023/0198                | 04/14/76         | 20                  | 6240            | 41.4         | 144.5        | GGGG                               |                     |                      | 171                   | 23                   |
| 06641E 5308N                            | 2466-05474        | 00000/0000                   | 2-20024/1566                | 05/02/76         | 40                  | 6491            | 47.3         | 142.3        | GGGG                               |                     |                      | 171                   | 23                   |
| 06641E 5019N                            | 2717-05345        | 00000/0000                   | 2-20035/1064                | 01/08/77         | 0                   | 9991            | 12.3         | 150.6        | PPPP                               |                     |                      | 170                   | 25                   |
| 06641E 5018N                            | 2699-05357        | 00000/0000                   | 2-20037/1163                | 12/21/76         | 20                  | 9740            | 11.9         | 153.0        | FFFF                               |                     |                      | 170                   | 25                   |
| 06641E 3018N                            | 2676-05134        | 00000/0000                   | 2-20036/1438                | 11/28/76         | 0                   | 9419            | 30.0         | 145.5        | GGGF                               |                     |                      | 165                   | 39                   |
| 06641E 3018N                            | 2730-05113        | 00000/0000                   | 2-20039/0919                | 01/21/77         | 30                  | 172             | 27.8         | 138.9        | GGGG                               |                     |                      | 165                   | 39                   |
| 06640E 5548N                            | 2485-05521        | 00000/0000                   | 2-20025/1022                | 05/21/76         | 80                  | 6756            | 50.0         | 143.1        | GGGG                               |                     |                      | 172                   | 21                   |
| 06639E 5019N                            | 2573-05395        | 00000/0000                   | 2-20030/1374                | 08/17/76         | 0                   | 7983            | 46.0         | 136.8        | GGGG                               |                     |                      | 170                   | 25                   |
| 06639E 3016N                            | 2658-05142        | 00000/0000                   | 2-20036/0185                | 11/10/76         | 0                   | 9168            | 34.1         | 144.0        | GGGG                               |                     |                      | 165                   | 39                   |
| 06638E 5552N                            | 2557-05501        | 00000/0000                   | 2-20030/0547                | 08/01/76         | 30                  | 7760            | 46.9         | 140.5        | GGGG                               |                     |                      | 172                   | 21                   |
| 06638E 5544N                            | 2503-05514        | 00000/0000                   | 2-20026/1029                | 06/08/76         | 40                  | 7007            | 52.3         | 140.4        | GGGF                               |                     |                      | 172                   | 21                   |
| 06638E 5015N                            | 2555-05403        | 00000/0000                   | 2-20030/0418                | 07/30/76         | 10                  | 7732            | 50.4         | 132.5        | GGGG                               |                     |                      | 170                   | 25                   |
| 06638E 5014N                            | 2433-05422        | 00000/0000                   | 2-20025/0813                | 05/19/76         | 10                  | 6728            | 52.9         | 135.4        | GGGG                               |                     |                      | 170                   | 25                   |
| 06638E 4314N                            | 2463-05333        | 00000/0000                   | 2-20024/0977                | 04/29/76         | 50                  | 6449            | 51.9         | 130.0        | GGGG                               |                     |                      | 168                   | 30                   |
| 06637E 5542N                            | 2521-05511        | 00000/0000                   | 2-20028/0135                | 06/26/76         | 60                  | 7258            | 52.4         | 138.5        | GGGG                               |                     |                      | 172                   | 21                   |
| 06637E 5310N                            | 2574-05445        | 00000/0000                   | 2-20030/1503                | 08/18/76         | 30                  | 7997            | 44.1         | 140.4        | FGGG                               |                     |                      | 171                   | 23                   |
| 06637E 5306N                            | 2730-05402        | 00000/0000                   | 2-20037/1254                | 12/22/76         | 0                   | 9754            | 9.7          | 154.2        | PPPP                               |                     |                      | 171                   | 23                   |
| 06637E 5011N                            | 2681-05362        | 00000/0000                   | 2-20037/0049                | 12/03/76         | 90                  | 9489            | 13.9         | 154.6        | GGGG                               |                     |                      | 170                   | 25                   |
| 06636E 5543N                            | 2539-05504        | 00000/0000                   | 2-20028/1414                | 07/14/76         | 10                  | 7505            | 50.5         | 138.5        | GGGG                               |                     |                      | 171                   | 23                   |
| 06636E 5309N                            | 2592-05442        | 00000/0000                   | 2-20032/0709                | 09/05/76         | 50                  | 8248            | 38.7         | 144.9        | FFFG                               |                     |                      | 171                   | 23                   |
| 06635E 5009N                            | 2537-05410        | 00000/0000                   | 2-20028/1211                | 07/12/76         | 60                  | 7481            | 53.6         | 129.9        | FGGG                               |                     |                      | 170                   | 25                   |
| 06635E 5008N                            | 2501-05420        | 00000/0000                   | 2-20026/0902                | 06/06/76         | 10                  | 6979            | 55.2         | 131.9        | GGGF                               |                     |                      | 170                   | 25                   |
| 06635E 4312N                            | 2715-05253        | 00000/0000                   | 2-20038/0855                | 01/05/77         | 80                  | 9963            | 17.4         | 147.8        | GGGG                               |                     |                      | 168                   | 30                   |
| 06635E 3858N                            | 2462-05290        | 00000/0000                   | 2-20024/0740                | 04/28/76         | 70                  | 6435            | 53.5         | 124.3        | GGGG                               |                     |                      | 167                   | 33                   |
| 06635E 3440N                            | 2713-05163        | 00000/0000                   | 2-20038/1137                | 01/04/77         | 70                  | 9935            | 23.5         | 144.3        | GGGG                               |                     |                      | 166                   | 36                   |

KEYS: CLOUD COVER = ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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COORDINATE LISTING  
FOR MSN-US  
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| PRINCIPAL POINT<br>OF IMAGE | SSEERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 06635E                      | 2436N             | 2711-0508n            | 00000/0000           | 2-2003R/0561     | 01/02/77            | 10              | 9907         | 30.2         | 139.7                 | FFFF                |                      | 164                   | 43                   |
| 06635E                      | 2434N             | 2535-05124            | 00000/0000           | 2-2003P/0171     | 08/29/76            | 10              | 8150         | 53.0         | 108.1                 | GGGG                |                      | 164                   | 43                   |
| 06635E                      | 2434N             | 2693-05085            | 00000/0000           | 2-20037/0921     | 12/15/76            | 10              | 9656         | 31.4         | 142.0                 | GFFG                |                      | 164                   | 43                   |
| 06634E                      | 5302N             | 2556-0545P            | 00000/0000           | 2-20030/0377     | 07/31/76            | 10              | 7746         | 48.7         | 136.5                 | FGGG                |                      | 171                   | 23                   |
| 06634E                      | 5301N             | 2434-0547P            | 00000/0000           | 2-20025/0965     | 05/20/76            | 50              | 6742         | 51.5         | 139.3                 | GGGG                |                      | 171                   | 23                   |
| 06634E                      | 4310N             | 2697-05254            | 00000/0000           | 2-2003R/0312     | 12/19/76            | 100             | 9712         | 17.5         | 150.2                 | FFFF                |                      | 168                   | 30                   |
| 06634E                      | 2430N             | 2675-05094            | 00000/0000           | 2-2003R/1330     | 11/27/76            | 0               | 9405         | 34.2         | 142.2                 | FGGG                |                      | 164                   | 43                   |
| 06633E                      | 5304N             | 2610-05435            | 00000/0000           | 2-2003P/1711     | 09/23/76            | 30              | 8499         | 32.7         | 149.2                 | GGGG                |                      | 171                   | 23                   |
| 06633E                      | 5259N             | 2682-05411            | 00000/0000           | 2-20037/0002     | 12/04/76            | 40              | 9503         | 11.5         | 155.9                 | FPGG                |                      | 171                   | 23                   |
| 06633E                      | 5005N             | 2519-05413            | 00000/0000           | 2-20027/0455     | 06/24/76            | 10              | 7230         | 55.3         | 129.7                 | GGGG                |                      | 170                   | 25                   |
| 06633E                      | 5005N             | 2663-05370            | 00000/0000           | 2-20036/0679     | 11/15/76            | 70              | 9238         | 17.8         | 154.8                 | GGGF                |                      | 170                   | 25                   |
| 06633E                      | 2433N             | 2729-05072            | 00000/0000           | 2-2004R/0031     | 01/20/77            | 10              | 158          | 31.2         | 136.0                 | GGFG                |                      | 164                   | 43                   |
| 06632E                      | 5253N             | 2664-05415            | 00000/0000           | 2-20036/0792     | 11/15/76            | 90              | 9252         | 15.3         | 156.3                 | GGGG                |                      | 171                   | 23                   |
| 06632E                      | 4305N             | 2679-05270            | 00000/0000           | 2-2003R/1728     | 12/01/76            | 80              | 9461         | 19.8         | 151.5                 | GGGG                |                      | 168                   | 30                   |
| 06632E                      | 3859N             | 2444-05299            | 00000/0000           | 2-2002P/1805     | 04/10/76            | 30              | 6184         | 48.2         | 129.5                 | FGGG                |                      | 167                   | 33                   |
| 06632E                      | 3438N             | 2695-0517P            | 00000/0000           | 2-2003R/0035     | 12/17/76            | 0               | 9684         | 24.0         | 146.7                 | GGGG                |                      | 166                   | 36                   |
| 06632E                      | 3434N             | 2677-05120            | 00000/0000           | 2-20036/1512     | 11/29/76            | 0               | 9433         | 26.7         | 147.6                 | GGGG                |                      | 166                   | 36                   |
| 06632E                      | 2431N             | 2603-05121            | 00000/0000           | 2-2003P/0873     | 09/16/76            | 60              | 8401         | 50.5         | 118.4                 | GGGG                |                      | 164                   | 43                   |
| 06631E                      | 5257N             | 2502-05455            | 00000/0000           | 2-20026/0944     | 06/07/76            | 10              | 6993         | 53.8         | 136.2                 | GGGG                |                      | 171                   | 23                   |
| 06631E                      | 4300N             | 2517-05324            | 00000/0000           | 2-20027/0341     | 06/22/76            | 10              | 7202         | 57.9         | 117.7                 | GGGG                |                      | 168                   | 30                   |
| 06631E                      | 3856N             | 2714-05210            | 00000/0000           | 2-2003R/0805     | 01/05/77            | 90              | 9949         | 20.5         | 146.1                 | FFFF                |                      | 167                   | 33                   |
| 06630E                      | 3855N             | 2696-05214            | 00000/0000           | 2-2003R/0079     | 12/18/76            | 70              | 9698         | 20.8         | 148.5                 | GFFG                |                      | 167                   | 33                   |
| 06630E                      | 3854N             | 2426-05301            | 00000/0000           | 2-2002P/0455     | 03/23/76            | 100             | 5933         | 41.9         | 133.8                 | GGGG                |                      | 167                   | 33                   |
| 06630E                      | 2429N             | 2657-0510P            | 00000/0000           | 2-20036/0149     | 11/09/76            | 10              | 9154         | 38.3         | 140.0                 | GGGG                |                      | 164                   | 43                   |
| 06629E                      | 4302N             | 2651-05274            | 00000/0000           | 2-20036/0495     | 11/13/76            | 90              | 9210         | 23.9         | 151.2                 | GGGG                |                      | 168                   | 30                   |
| 06629E                      | 3432N             | 2659-05145            | 00000/0000           | 2-20036/0325     | 11/11/76            | 10              | 9182         | 30.8         | 146.6                 | GGGG                |                      | 166                   | 36                   |
| 06628E                      | 5252N             | 2520-0546P            | 00000/0000           | 2-2002R/0060     | 06/25/76            | 20              | 7244         | 53.9         | 134.1                 | GGGG                |                      | 171                   | 23                   |
| 06628E                      | 3849N             | 2678-05223            | 00000/0000           | 2-2003R/1625     | 11/30/76            | 90              | 9447         | 23.3         | 149.6                 | GGGG                |                      | 167                   | 33                   |
| 06628E                      | 3847N             | 2534-05271            | 00000/0000           | 2-2002R/1002     | 07/09/76            | 10              | 7439         | 57.5         | 110.7                 | GGGG                |                      | 167                   | 33                   |
| 06627E                      | 5256N             | 2538-05455            | 00000/0000           | 2-2002R/1281     | 07/13/76            | 20              | 7495         | 52.1         | 134.3                 | GGGG                |                      | 171                   | 23                   |
| 06626E                      | 3848N             | 2660-05231            | 00000/0000           | 2-20036/0365     | 11/12/76            | 50              | 9196         | 27.4         | 149.0                 | GGGG                |                      | 167                   | 33                   |
| 06626E                      | 3845N             | 2516-05274            | 00000/0000           | 2-20027/0135     | 06/21/76            | 10              | 7188         | 58.9         | 110.1                 | FGGF                |                      | 167                   | 33                   |
| 06620E                      | 3844N             | 2408-05304            | 00000/0000           | 2-20021/1104     | 03/05/76            | 0               | 5682         | 35.4         | 137.4                 | FGGF                |                      | 167                   | 33                   |
| 06620E                      | 2854N             | 2712-05123            | 00000/0000           | 2-2003R/0647     | 01/03/77            | 70              | 9921         | 27.4         | 141.8                 | GGGG                |                      | 165                   | 40                   |
| 06619E                      | 2852N             | 2694-0513P            | 00000/0000           | 2-20037/0992     | 12/16/76            | 0               | 9670         | 28.3         | 144.1                 | PGGG                |                      | 165                   | 40                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, '77

LANDSAT-2  
COORDINATE LISTING  
FBR NON-US

PAGE 0979

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06618E                                  | 4606N             | 2464-05382                                         | 02000/0000       | 2-20024/0769        | 04/30/76        | 80           | 6463         | 50.7                               | 133.6               | GGGG                 | 169                   | 28                   |
| 06617E                                  | 2852N             | 2676-05140                                         | 02000/0000       | 2-20036/1439        | 11/28/76        | 0            | 9419         | 31.0                               | 144.7               | GGGG                 | 165                   | 40                   |
| 06617E                                  | 2852N             | 2730-05115                                         | 02000/0000       | 2-20039/0920        | 01/21/77        | 10           | 172          | 28.7                               | 138.2               | GGGG                 | 165                   | 40                   |
| 06616E                                  | 4604N             | 2698-05310                                         | 02000/0000       | 2-20037/1212        | 12/20/76        | 40           | 9726         | 15.2                               | 151.3               | PPP                  | 169                   | 25                   |
| 06615E                                  | 4604N             | 2716-05302                                         | 02000/0000       | 2-20038/0946        | 01/07/77        | 10           | 9977         | 15.4                               | 148.8               | GGGG                 | 169                   | 28                   |
| 06615E                                  | 4559N             | 2482-05375                                         | 02000/0000       | 2-20025/0797        | 05/18/76        | 10           | 6714         | 54.8                               | 129.3               | GGGG                 | 169                   | 28                   |
| 06615E                                  | 2850N             | 2458-05145                                         | 02000/0000       | 2-20036/0186        | 11/10/76        | 0            | 9168         | 35.1                               | 143.1               | GGGG                 | 165                   | 40                   |
| 06614E                                  | 4558N             | 2680-05315                                         | 02000/0000       | 2-20036/1789        | 12/02/76        | 10           | 9475         | 17.4                               | 152.7               | FFPF                 | 169                   | 28                   |
| 06613E                                  | 5723N             | 2450-05582                                         | 02000/0000       | 2-20023/0262        | 04/16/76        | 0            | 6268         | 39.3                               | 148.9               | GGGG                 | 173                   | 20                   |
| 06613E                                  | 5722N             | 2458-05575                                         | 02000/0000       | 2-20024/1389        | 05/04/76        | 40           | 6519         | 45.1                               | 147.3               | GGGG                 | 173                   | 20                   |
| 06613E                                  | 4606N             | 2572-05353                                         | 02000/0000       | 2-20030/1603        | 08/16/76        | 0            | 7969         | 48.5                               | 131.3               | GGGG                 | 169                   | 28                   |
| 06613E                                  | 4559N             | 2554-05360                                         | 02000/0000       | 2-20030/0338        | 07/29/76        | 0            | 7718         | 52.5                               | 126.2               | GGGG                 | 169                   | 28                   |
| 06613E                                  | 4555N             | 2530-05373                                         | 02000/0000       | 2-20026/0834        | 06/05/76        | 10           | 6965         | 56.9                               | 125.1               | GGGG                 | 169                   | 28                   |
| 06613E                                  | 2308N             | 2693-05091                                         | 02000/0000       | 2-20037/0922        | 12/15/76        | 10           | 9656         | 32.3                               | 141.2               | FFGF                 | 164                   | 44                   |
| 06612E                                  | 2309N             | 2711-05083                                         | 02000/0000       | 2-20038/0562        | 01/02/77        | 10           | 9907         | 31.2                               | 139.0               | FFFF                 | 164                   | 44                   |
| 06612E                                  | 2307N             | 2555-05130                                         | 02000/0000       | 2-20032/0172        | 08/29/76        | 30           | 8150         | 53.2                               | 106.1               | GGGG                 | 164                   | 44                   |
| 06611E                                  | 4553N             | 2536-05363                                         | 02000/0000       | 2-20028/1033        | 07/11/76        | 10           | 7467         | 55.4                               | 123.0               | GGGG                 | 169                   | 28                   |
| 06611E                                  | 2307N             | 2729-05075                                         | 02000/0000       | 2-20040/0032        | 01/20/77        | 10           | 158          | 32.0                               | 135.2               | FGFG                 | 164                   | 44                   |
| 06611E                                  | 2304N             | 2675-05100                                         | 02000/0000       | 2-20036/1331        | 11/27/76        | 0            | 9405         | 35.2                               | 141.4               | FGGG                 | 164                   | 44                   |
| 06610E                                  | 5723N             | 2576-05550                                         | 02000/0000       | 2-20030/1539        | 08/20/76        | 20           | 8025         | 40.9                               | 145.8               | FGGG                 | 173                   | 20                   |
| 06610E                                  | 5722N             | 2594-05543                                         | 02000/0000       | 2-20032/0938        | 09/07/76        | 10           | 8276         | 35.2                               | 149.5               | GGGG                 | 173                   | 20                   |
| 06610E                                  | 4552N             | 2518-05370                                         | 02000/0000       | 2-20027/0385        | 06/23/76        | 10           | 7216         | 57.0                               | 122.6               | GGGF                 | 169                   | 28                   |
| 06609E                                  | 2305N             | 2603-05123                                         | 02000/0000       | 2-20032/0874        | 09/16/76        | 20           | 8401         | 51.0                               | 116.6               | GGGG                 | 164                   | 44                   |
| 06608E                                  | 4552N             | 2662-05323                                         | 02000/0000       | 2-20036/0584        | 11/14/76        | 70           | 9224         | 21.4                               | 152.7               | GGGG                 | 169                   | 28                   |
| 06608E                                  | 3313N             | 2713-05170                                         | 02000/0000       | 2-20038/1138        | 01/04/77        | 60           | 9935         | 24.5                               | 143.7               | GGGG                 | 166                   | 37                   |
| 06608E                                  | 2302N             | 2657-05104                                         | 02000/0000       | 2-20036/0150        | 11/09/76        | 10           | 9154         | 39.2                               | 139.0               | GGGG                 | 164                   | 44                   |
| 06607E                                  | 5712N             | 2486-05573                                         | 02000/0000       | 2-20025/1075        | 05/22/76        | 10           | 6770         | 49.3                               | 144.9               | GGGG                 | 173                   | 20                   |
| 06607E                                  | 4149N             | 2445-05343                                         | 02000/0000       | 2-20022/1668        | 04/11/76        | 60           | 6198         | 47.1                               | 132.6               | GGGG                 | 168                   | 31                   |
| 06607E                                  | 4148N             | 2463-05335                                         | 02000/0000       | 2-20024/0978        | 04/29/76        | 10           | 6449         | 52.6                               | 128.0               | GGGG                 | 168                   | 31                   |
| 06607E                                  | 3312N             | 2695-05174                                         | 02000/0000       | 2-20038/0036        | 12/17/76        | 0            | 9684         | 25.1                               | 146.1               | GGGG                 | 166                   | 37                   |
| 06607E                                  | 3308N             | 2677-05183                                         | 02000/0000       | 2-20036/1513        | 11/29/76        | 0            | 9433         | 27.7                               | 146.9               | FGGG                 | 166                   | 37                   |
| 06606E                                  | 3732N             | 2462-05293                                         | 02000/0000       | 2-20024/0741        | 04/28/76        | 30           | 6435         | 54.0                               | 122.2               | GGGG                 | 167                   | 34                   |
| 06605E                                  | 5715N             | 2612-05540                                         | 02000/0000       | 2-20032/1802        | 09/25/76        | 30           | 8527         | 28.9                               | 153.2               | GGGG                 | 173                   | 20                   |
| 06604E                                  | 4855N             | 2465-05431                                         | 02000/0000       | 2-20024/1060        | 05/01/76        | 90           | 6477         | 49.5                               | 137.1               | GGGG                 | 170                   | 26                   |
| 06604E                                  | 4147N             | 2715-05255                                         | 02000/0000       | 2-20032/0856        | 01/06/77        | 20           | 9963         | 18.5                               | 147.2               | GGGG                 | 168                   | 31                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 26, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US

PAGE 0980

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE | LAT   | LONG       | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06604E                      | 3733N | 2444-0530N | 00000/0000        | 2-20027/1806                 | 04/10/76                    | 20               | 6184                | 48.8            | 127.8        | GGGG         |                                    |                     |                      | 167                   | 34                   |
| 06604E                      | 3306N | 2659-0519N | 00000/0000        | 2-20036/0326                 | 11/11/76                    | 0                | 9182                | 31.9            | 145.8        | GGGG         |                                    |                     |                      | 166                   | 37                   |
| 06603E                      | 5714N | 2558-0555N | 00000/0000        | 2-20030/0616                 | 08/02/76                    | 80               | 7774                | 45.8            | 142.5        | FGGG         |                                    |                     |                      | 173                   | 20                   |
| 06603E                      | 5708N | 2540-0556N | 00000/0000        | 2-20028/1460                 | 07/15/76                    | 90               | 7523                | 49.5            | 140.6        | FGGG         |                                    |                     |                      | 173                   | 20                   |
| 06603E                      | 5706N | 2504-0557N | 00000/0000        | 2-20026/1086                 | 06/09/76                    | 90               | 7021                | 51.5            | 142.4        | GGGG         |                                    |                     |                      | 173                   | 20                   |
| 06603E                      | 4145N | 2697-0526N | 00000/0000        | 2-20038/0313                 | 12/19/76                    | 90               | 9712                | 18.6            | 149.6        | GGGG         |                                    |                     |                      | 168                   | 31                   |
| 06603E                      | 3731N | 2714-0521N | 00000/0000        | 2-20038/0866                 | 01/05/77                    | 90               | 9949                | 21.5            | 145.4        | FFFF         |                                    |                     |                      | 167                   | 34                   |
| 06602E                      | 4854N | 2717-0535N | 00000/0000        | 2-20038/1065                 | 01/08/77                    | 0                | 9991                | 13.4            | 149.9        | FGGF         |                                    |                     |                      | 170                   | 26                   |
| 06602E                      | 4853N | 2699-0535N | 00000/0000        | 2-20037/1164                 | 12/21/76                    | 40               | 9740                | 13.0            | 152.4        | FFFF         |                                    |                     |                      | 170                   | 26                   |
| 06601E                      | 4140N | 2679-0527N | 00000/0000        | 2-20036/1729                 | 12/01/76                    | 70               | 9461                | 20.9            | 150.9        | GGGG         |                                    |                     |                      | 168                   | 31                   |
| 06601E                      | 3729N | 2696-0522N | 00000/0000        | 2-20038/0080                 | 12/18/76                    | 20               | 9698                | 21.9            | 147.9        | GGFG         |                                    |                     |                      | 167                   | 34                   |
| 06600E                      | 5437N | 2449-0553N | 00000/0000        | 2-20023/0206                 | 04/15/76                    | 20               | 6254                | 40.8            | 145.9        | GGGG         |                                    |                     |                      | 172                   | 22                   |
| 06600E                      | 4854N | 2573-0540N | 00000/0000        | 2-20030/1375                 | 08/17/76                    | 0                | 7983                | 46.8            | 135.1        | GGGG         |                                    |                     |                      | 170                   | 26                   |
| 06600E                      | 4850N | 2555-0540N | 00000/0000        | 2-20030/0419                 | 07/30/76                    | 20               | 7732                | 51.0            | 130.5        | GGGG         |                                    |                     |                      | 170                   | 26                   |
| 06559E                      | 5435N | 2467-0553N | 00000/0000        | 2-20024/0884                 | 05/03/76                    | 10               | 6505                | 46.6            | 143.9        | GGGG         |                                    |                     |                      | 172                   | 22                   |
| 06559E                      | 4846N | 2631-0536N | 00000/0000        | 2-20037/0050                 | 12/03/76                    | 90               | 9483                | 15.0            | 154.0        | FGGG         |                                    |                     |                      | 170                   | 26                   |
| 06559E                      | 4135N | 2517-0532N | 00000/0000        | 2-20027/0342                 | 06/22/76                    | 10               | 7202                | 58.3            | 115.1        | GGFG         |                                    |                     |                      | 168                   | 31                   |
| 06559E                      | 3724N | 2678-0523N | 00000/0000        | 2-20036/1626                 | 11/30/76                    | 90               | 9447                | 24.3            | 148.9        | GGGG         |                                    |                     |                      | 167                   | 34                   |
| 06558E                      | 5147N | 2448-0548N | 00000/0000        | 2-20023/0199                 | 04/14/76                    | 20               | 6240                | 42.3            | 143.0        | GGGG         |                                    |                     |                      | 171                   | 24                   |
| 06558E                      | 5144N | 2466-0548N | 00000/0000        | 2-20024/1567                 | 05/02/76                    | 10               | 6491                | 48.1            | 140.5        | GGGG         |                                    |                     |                      | 171                   | 24                   |
| 06558E                      | 4137N | 2661-0524N | 00000/0000        | 2-20036/0496                 | 11/13/76                    | 80               | 9210                | 25.0            | 150.5        | GGGG         |                                    |                     |                      | 168                   | 31                   |
| 06558E                      | 3722N | 2660-0523N | 00000/0000        | 2-20036/0366                 | 11/12/76                    | 10               | 9196                | 28.5            | 148.2        | GGGG         |                                    |                     |                      | 167                   | 34                   |
| 06558E                      | 3720N | 2516-0528N | 00000/0000        | 2-20027/0136                 | 06/21/76                    | 0                | 7188                | 59.1            | 107.4        | FGGG         |                                    |                     |                      | 167                   | 34                   |
| 06557E                      | 5705N | 2522-0556N | 00000/0000        | 2-20028/0175                 | 06/27/76                    | 40               | 7272                | 51.5            | 140.6        | FGGG         |                                    |                     |                      | 173                   | 20                   |
| 06557E                      | 5432N | 2575-0550N | 00000/0000        | 2-20030/1577                 | 05/19/76                    | 60               | 8011                | 43.0            | 142.3        | GGGG         |                                    |                     |                      | 172                   | 22                   |
| 06557E                      | 4845N | 2537-0541N | 00000/0000        | 2-20028/1212                 | 07/12/76                    | 50               | 7481                | 54.2            | 127.7        | GGGG         |                                    |                     |                      | 170                   | 26                   |
| 06557E                      | 4844N | 2501-0542N | 00000/0000        | 2-20026/0903                 | 06/06/76                    | 10               | 6979                | 55.8            | 129.6        | GGGF         |                                    |                     |                      | 170                   | 26                   |
| 06556E                      | 2728N | 2712-0513N | 00000/0000        | 2-20038/0648                 | 01/03/77                    | 20               | 9921                | 28.4            | 141.1        | GGGG         |                                    |                     |                      | 165                   | 41                   |
| 06555E                      | 5432N | 2593-0549N | 00000/0000        | 2-20032/0836                 | 09/06/76                    | 0                | 8262                | 37.5            | 146.5        | GGGG         |                                    |                     |                      | 172                   | 22                   |
| 06555E                      | 5146N | 2574-0545N | 00000/0000        | 2-20030/1504                 | 08/18/76                    | 60               | 7997                | 44.9            | 138.8        | FFGG         |                                    |                     |                      | 171                   | 24                   |
| 06555E                      | 5144N | 2718-0540N | 00000/0000        | 2-20038/0891                 | 01/09/77                    | 60               | 5                   | 11.4            | 151.1        | PPPP         |                                    |                     |                      | 171                   | 24                   |
| 06555E                      | 5142N | 2700-0540N | 00000/0000        | 2-20037/1255                 | 12/22/76                    | 0                | 9754                | 10.8            | 153.6        | PPPP         |                                    |                     |                      | 171                   | 24                   |
| 06555E                      | 4841N | 2663-0537N | 00000/0000        | 2-20036/0680                 | 11/15/76                    | 90               | 9238                | 18.9            | 154.1        | GGGF         |                                    |                     |                      | 170                   | 26                   |
| 06555E                      | 2726N | 2694-0513N | 00000/0000        | 2-20037/0993                 | 12/16/76                    | 0                | 9670                | 29.3            | 143.4        | FGGG         |                                    |                     |                      | 165                   | 41                   |
| 06554E                      | 5423N | 2633-0546N | 00000/0000        | 2-20037/0135                 | 12/05/76                    | 10               | 9517                | 10.2            | 156.5        | GGGG         |                                    |                     |                      | 172                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0981

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06554E 5144N                            | 2592-05444        | 00000/0000 2-20032/0710                            | 09/05/76         | 20                  | 8248            | 39.6         | 143.5        | FFFF                               |                     |                      | 171                   | 24                   |
| 06554E 4840N                            | 2519-05415        | 00000/0000 2-20027/0456                            | 06/24/76         | 10                  | 7230            | 55.9         | 127.3        | FQGG                               |                     |                      | 170                   | 26                   |
| 06554E 2726N                            | 2676-05143        | 00000/0000 2-20036/1440                            | 11/28/76         | 0                   | 9419            | 32.0         | 143.9        | GGGF                               |                     |                      | 165                   | 41                   |
| 06553E 5424N                            | 2485-05523        | 00000/0000 2-20025/1023                            | 05/21/76         | 90                  | 6756            | 50.9         | 141.1        | GGGG                               |                     |                      | 172                   | 22                   |
| 06553E 2726N                            | 2730-05122        | 00000/0000 2-20039/0921                            | 01/21/77         | 10                  | 172             | 29.6         | 137.4        | GGGG                               |                     |                      | 165                   | 41                   |
| 06552E 5135N                            | 2484-05474        | 00000/0000 2-20025/0966                            | 05/20/76         | 40                  | 6742            | 52.3         | 137.3        | GGGG                               |                     |                      | 171                   | 24                   |
| 06551E 5427N                            | 2557-05504        | 00000/0000 2-20030/0548                            | 08/01/76         | 30                  | 7760            | 47.7         | 138.6        | GGGG                               |                     |                      | 172                   | 22                   |
| 06551E 5420N                            | 2503-05521        | 00000/0000 2-20026/1030                            | 06/08/76         | 50                  | 7007            | 53.1         | 138.2        | GGGG                               |                     |                      | 172                   | 22                   |
| 06551E 5138N                            | 2556-05454        | 00000/0000 2-20030/0378                            | 07/31/76         | 10                  | 7746            | 49.5         | 134.6        | GGGG                               |                     |                      | 171                   | 24                   |
| 06551E 5134N                            | 2682-05413        | 00000/0000 2-20037/0003                            | 12/04/76         | 40                  | 9503            | 12.6         | 155.2        | GGGG                               |                     |                      | 171                   | 24                   |
| 06551E 2723N                            | 2658-05151        | 00000/0000 2-20036/0187                            | 11/10/76         | 0                   | 9168            | 36.1         | 142.2        | GGGG                               |                     |                      | 165                   | 41                   |
| 06550E 5419N                            | 2521-05514        | 00000/0000 2-20028/0136                            | 06/26/76         | 90                  | 7258            | 53.1         | 136.3        | GGGG                               |                     |                      | 172                   | 22                   |
| 06550E 5139N                            | 2610-05441        | 00000/0000 2-20032/1712                            | 09/23/76         | 10                  | 8499            | 33.7         | 148.1        | GGGG                               |                     |                      | 171                   | 24                   |
| 06550E 2143N                            | 2711-05085        | 00000/0000 2-20038/0563                            | 01/02/77         | 0                   | 9907            | 32.1         | 138.2        | FFFF                               |                     |                      | 164                   | 45                   |
| 06550E 2144N                            | 2693-05094        | 00000/0000 2-20037/0923                            | 12/15/76         | 40                  | 9656            | 33.3         | 140.4        | GGFF                               |                     |                      | 164                   | 45                   |
| 06549E 5419N                            | 2539-05511        | 00000/0000 2-20028/1415                            | 07/14/76         | 30                  | 7509            | 51.2         | 136.4        | GGGG                               |                     |                      | 172                   | 22                   |
| 06549E 5133N                            | 2502-05471        | 00000/0000 2-20026/0945                            | 06/07/76         | 10                  | 6993            | 54.5         | 134.0        | GGGG                               |                     |                      | 171                   | 24                   |
| 06549E 5129N                            | 2664-05422        | 00000/0000 2-20036/0793                            | 11/16/76         | 50                  | 9252            | 16.4         | 155.6        | GGGG                               |                     |                      | 171                   | 24                   |
| 06549E 2140N                            | 2729-05041        | 00000/0000 2-20040/0033                            | 01/20/77         | 10                  | 158             | 32.9         | 134.3        | GGGG                               |                     |                      | 164                   | 45                   |
| 06548E 2138N                            | 2675-05103        | 00000/0000 2-20036/1332                            | 11/27/76         | 0                   | 9405            | 36.2         | 140.5        | FQGF                               |                     |                      | 164                   | 45                   |
| 06547E 5417N                            | 2665-05471        | 00000/0000 2-20037/0238                            | 11/17/76         | 90                  | 9266            | 13.9         | 157.1        | GGGF                               |                     |                      | 172                   | 22                   |
| 06546E 5128N                            | 2520-05405        | 00000/0000 2-20028/0061                            | 06/25/76         | 10                  | 7244            | 54.6         | 131.9        | GGGF                               |                     |                      | 171                   | 24                   |
| 06545E 5132N                            | 2538-05462        | 00000/0000 2-20028/1282                            | 07/13/76         | 30                  | 7495            | 52.8         | 132.1        | GGGG                               |                     |                      | 171                   | 24                   |
| 06545E 2135N                            | 2657-05111        | 00000/0000 2-20036/0151                            | 11/09/76         | 10                  | 9154            | 40.2         | 138.0        | GFGG                               |                     |                      | 164                   | 45                   |
| 06544E 4441N                            | 2464-05385        | 00000/0000 2-20024/0770                            | 04/30/76         | 50                  | 6463            | 51.5         | 131.7        | GGGG                               |                     |                      | 169                   | 29                   |
| 06542E 4439N                            | 2698-05313        | 00000/0000 2-20037/1213                            | 12/20/76         | 80                  | 9726            | 16.3         | 150.7        | PPP                                |                     |                      | 169                   | 29                   |
| 06542E 4434N                            | 2482-05382        | 00000/0000 2-20025/0798                            | 05/18/76         | 10                  | 6714            | 55.5         | 127.0        | GGGG                               |                     |                      | 169                   | 29                   |
| 06542E 3147N                            | 2713-05172        | 00000/0000 2-20038/1139                            | 01/04/77         | 30                  | 9935            | 25.5         | 143.0        | FQFG                               |                     |                      | 166                   | 38                   |
| 06542E 3145N                            | 2695-05181        | 00000/0000 2-20038/0037                            | 12/17/76         | 0                   | 9684            | 26.1         | 145.4        | GGGG                               |                     |                      | 166                   | 38                   |
| 06541E 4441N                            | 2590-05352        | 00000/0000 2-20032/0599                            | 09/03/76         | 0                   | 8220            | 44.5         | 135.6        | GGGG                               |                     |                      | 169                   | 29                   |
| 06541E 4439N                            | 2716-05304        | 00000/0000 2-20038/0947                            | 01/07/77         | 0                   | 9977            | 16.4         | 148.2        | GGGG                               |                     |                      | 169                   | 29                   |
| 06541E 3142N                            | 2677-05185        | 00000/0000 2-20036/1514                            | 11/29/76         | 0                   | 9433            | 28.8         | 146.2        | GGGG                               |                     |                      | 166                   | 38                   |
| 06540E 4441N                            | 2572-05355        | 00000/0000 2-20038/1604                            | 08/16/76         | 0                   | 7969            | 49.2         | 129.5        | GGGG                               |                     |                      | 169                   | 29                   |
| 06540E 4433N                            | 2554-05362        | 00000/0000 2-20030/0339                            | 07/29/76         | 0                   | 7718            | 53.0         | 124.1        | GGGG                               |                     |                      | 169                   | 29                   |
| 06540E 4433N                            | 2650-05321        | 00000/0000 2-20036/1790                            | 12/02/76         | 20                  | 9475            | 18.5         | 152.1        | PPPG                               |                     |                      | 169                   | 29                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06539E                      | 4430N             | 2530-05375                   | 00000/0000                 | 2-20026/0835     | 06/05/76            | 10              | 6965         | 57.5         | 122.7                              | GGGG                |                      | 169                   | 29                   |
| 06538E                      | 5845N             | 2577-06001                   | 00000/0000                 | 2-20030/1631     | 08/21/76            | 50              | 8039         | 39.7         | 147.6                              | GGGG                |                      | 174                   | 19                   |
| 06538E                      | 4428N             | 2536-05370                   | 00000/0000                 | 2-20028/1034     | 07/11/76            | 0               | 7467         | 55.9         | 120.7                              | GGGG                |                      | 169                   | 29                   |
| 06538E                      | 3140N             | 2659-05194                   | 00000/0000                 | 2-20036/0327     | 11/11/76            | 0               | 9182         | 32.9         | 144.9                              | GGGG                |                      | 166                   | 38                   |
| 06537E                      | 5843N             | 2595-05595                   | 00000/0000                 | 2-20032/1021     | 09/08/76            | 0               | 8290         | 33.8         | 151.1                              | GGGG                |                      | 174                   | 19                   |
| 06537E                      | 4024N             | 2445-05345                   | 00000/0000                 | 2-20022/1669     | 04/11/76            | 70              | 6198         | 47.8         | 130.9                              | GGGG                |                      | 168                   | 32                   |
| 06537E                      | 4022N             | 2463-05342                   | 00000/0000                 | 2-20024/0979     | 04/29/76            | 10              | 6449         | 53.2         | 126.0                              | GGGG                |                      | 168                   | 32                   |
| 06536E                      | 4427N             | 2518-05373                   | 00000/0000                 | 2-20027/0386     | 06/23/76            | 10              | 7216         | 57.5         | 120.2                              | GGGG                |                      | 169                   | 29                   |
| 06536E                      | 3605N             | 2714-05215                   | 00000/0000                 | 2-20038/0807     | 01/05/77            | 90              | 9949         | 22.5         | 144.8                              | FGGG                |                      | 167                   | 35                   |
| 06535E                      | 4427N             | 2662-05330                   | 00000/0000                 | 2-20036/0585     | 11/14/76            | 30              | 9224         | 22.5         | 152.0                              | GGGG                |                      | 169                   | 29                   |
| 06535E                      | 4018N             | 2481-05335                   | 00000/0000                 | 2-20025/0698     | 05/17/76            | 10              | 6700         | 56.9         | 120.4                              | GGGG                |                      | 168                   | 32                   |
| 06534E                      | 4021N             | 2715-05262                   | 00000/0000                 | 2-20038/0857     | 01/06/77            | 10              | 9963         | 19.5         | 146.5                              | GGGG                |                      | 168                   | 32                   |
| 06534E                      | 3603N             | 2696-05222                   | 00000/0000                 | 2-20038/0081     | 12/18/76            | 10              | 9698         | 22.9         | 147.3                              | GGGG                |                      | 167                   | 35                   |
| 06533E                      | 5839N             | 2559-06005                   | 00000/0000                 | 2-20030/0683     | 08/03/76            | 10              | 7788         | 44.7         | 144.5                              | FFF                 |                      | 174                   | 19                   |
| 06533E                      | 4017N             | 2427-05353                   | 00000/0000                 | 2-20022/0542     | 03/24/76            | 80              | 5947         | 41.5         | 134.9                              | GGGG                |                      | 168                   | 32                   |
| 06533E                      | 2602N             | 2712-05132                   | 00000/0000                 | 2-20038/0649     | 01/03/77            | 20              | 9921         | 29.3         | 140.3                              | FGGG                |                      | 165                   | 42                   |
| 06532E                      | 4020N             | 2697-05270                   | 00000/0000                 | 2-20038/0314     | 12/19/76            | 90              | 9712         | 19.7         | 149.0                              | FFFF                |                      | 168                   | 32                   |
| 06532E                      | 3558N             | 2678-05232                   | 00000/0000                 | 2-20036/1627     | 11/30/76            | 90              | 9447         | 25.4         | 148.3                              | FGGG                |                      | 167                   | 35                   |
| 06532E                      | 2600N             | 2694-05141                   | 00000/0000                 | 2-20037/0994     | 12/16/76            | 0               | 9670         | 30.3         | 142.7                              | FGGG                |                      | 165                   | 42                   |
| 06530E                      | 4014N             | 2679-05275                   | 00000/0000                 | 2-20036/1730     | 12/01/76            | 70              | 9461         | 22.0         | 150.2                              | GGGG                |                      | 168                   | 32                   |
| 06530E                      | 4011N             | 2439-05332                   | 00000/0000                 | 2-20026/0798     | 06/04/76            | 10              | 6951         | 58.7         | 115.3                              | GGGG                |                      | 168                   | 32                   |
| 06530E                      | 3557N             | 2660-05240                   | 00000/0000                 | 2-20036/0367     | 11/12/76            | 0               | 9196         | 29.5         | 147.5                              | GGGG                |                      | 167                   | 35                   |
| 06530E                      | 2600N             | 2676-05145                   | 00000/0000                 | 2-20036/1441     | 11/28/76            | 0               | 9419         | 33.0         | 143.1                              | FGGG                |                      | 165                   | 42                   |
| 06529E                      | 5839N             | 2730-05124                   | 00000/0000                 | 2-20039/0922     | 01/21/77            | 10              | 172          | 30.4         | 136.6                              | FGGG                |                      | 165                   | 42                   |
| 06529E                      | 4013N             | 2643-05291                   | 00000/0000                 | 2-20035/0118     | 10/26/76            | 20              | 8959         | 31.2         | 147.4                              | GGGG                |                      | 168                   | 32                   |
| 06529E                      | 4010N             | 2517-05330                   | 00000/0000                 | 2-20027/0343     | 06/22/76            | 10              | 7202         | 58.6         | 112.6                              | GGGG                |                      | 168                   | 32                   |
| 06528E                      | 5830N             | 2541-06012                   | 00000/0000                 | 2-20028/1537     | 07/16/76            | 100             | 7537         | 48.5         | 142.7                              | GGGG                |                      | 174                   | 19                   |
| 06528E                      | 4013N             | 2409-05360                   | 00000/0000                 | 2-20021/1195     | 03/06/76            | 10              | 5696         | 34.9         | 138.3                              | FGGG                |                      | 168                   | 32                   |
| 06528E                      | 4012N             | 2661-05243                   | 00000/0000                 | 2-20036/0497     | 11/13/76            | 10              | 9210         | 26.1         | 149.8                              | GGGG                |                      | 165                   | 42                   |
| 06528E                      | 2557N             | 2658-05154                   | 00000/0000                 | 2-20036/0138     | 11/10/76            | 0               | 9168         | 37.1         | 141.2                              | GGGG                |                      | 164                   | 41                   |
| 06528E                      | 2014N             | 2693-05100                   | 00000/0000                 | 2-20037/0924     | 12/15/76            | 40              | 9656         | 34.3         | 139.5                              | GGGG                |                      | 170                   | 27                   |
| 06527E                      | 4730N             | 2465-05434                   | 00000/0000                 | 2-20024/1061     | 05/01/76            | 70              | 6477         | 50.3         | 135.3                              | GGGG                |                      | 168                   | 32                   |
| 06527E                      | 4008N             | 2391-05363                   | 00000/0000                 | 2-20020/1483     | 02/17/76            | 80              | 5445         | 28.9         | 141.5                              | GGGG                |                      | 168                   | 32                   |
| 06526E                      | 4011N             | 2625-05295                   | 00000/0000                 | 2-20034/0558     | 10/08/76            | 10              | 8708         | 36.8         | 143.2                              | FGGG                |                      | 168                   | 32                   |
| 06526E                      | 4010N             | 2373-05365                   | 00000/0000                 | 2-20020/0562     | 01/30/76            | 0               | 5194         | 24.1         | 144.8                              | GGGG                |                      | 168                   | 32                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06526E                                  | 2013N             | 2729-05064                   | 00000/0000                  | 2-20040/0034     | 01/20/77            | 10              | 158          | 33.7         | 133.4                              | FGGG                |                      | 164                   | 46                   |
| 06526E                                  | 2012N             | 2675-05105                   | 00000/0000                  | 2-20036/1333     | 11/27/76            | 0               | 9405         | 37.1         | 139.6                              | FGGG                |                      | 164                   | 46                   |
| 06525E                                  | 5827N             | 2523-06015                   | 00000/0000                  | 2-20028/0269     | 06/28/76            | 40              | 7286         | 50.7         | 142.7                              | G                   |                      | 174                   | 19                   |
| 06525E                                  | 4728N             | 2699-05362                   | 00000/0000                  | 2-20037/1165     | 12/21/76            | 70              | 9740         | 14.1         | 151.8                              | FGGF                |                      | 170                   | 27                   |
| 06525E                                  | 4728N             | 2717-05354                   | 00000/0000                  | 2-20038/1066     | 01/08/77            | 0               | 9991         | 14.4         | 149.3                              | GGGG                |                      | 170                   | 27                   |
| 06524E                                  | 4726N             | 2555-05412                   | 00000/0000                  | 2-20030/0420     | 07/30/76            | 20              | 7732         | 51.7         | 128.5                              | GGGG                |                      | 170                   | 27                   |
| 06524E                                  | 2009N             | 2657-05119                   | 00000/0000                  | 2-20036/0152     | 11/09/76            | 10              | 9154         | 41.0         | 136.9                              | GGGG                |                      | 164                   | 46                   |
| 06523E                                  | 4729N             | 2573-05404                   | 00000/0000                  | 2-20030/1376     | 08/17/76            | 0               | 7983         | 47.6         | 133.3                              | GGGG                |                      | 170                   | 27                   |
| 06523E                                  | 4722N             | 2681-05371                   | 00000/0000                  | 2-20037/0051     | 12/03/76            | 40              | 9489         | 16.1         | 153.3                              | FGGG                |                      | 170                   | 27                   |
| 06522E                                  | 5559N             | 2450-05585                   | 00000/0000                  | 2-20023/0263     | 04/16/76            | 10              | 6268         | 40.3         | 147.3                              | FGGG                |                      | 173                   | 21                   |
| 06522E                                  | 5558N             | 2465-05582                   | 00000/0000                  | 2-20024/1390     | 05/04/76            | 70              | 6519         | 46.0         | 145.6                              | GGGG                |                      | 173                   | 21                   |
| 06520E                                  | 4720N             | 2501-05425                   | 00000/0000                  | 2-20026/0904     | 06/06/76            | 20              | 6979         | 56.4         | 127.3                              | GGGG                |                      | 170                   | 27                   |
| 06520E                                  | 4720N             | 2537-05415                   | 00000/0000                  | 2-20028/1213     | 07/12/76            | 30              | 7481         | 54.7         | 125.5                              | FGGG                |                      | 170                   | 27                   |
| 06519E                                  | 5558N             | 2594-05545                   | 00000/0000                  | 2-20032/0939     | 09/07/76            | 10              | 8276         | 36.1         | 148.1                              | GGGG                |                      | 173                   | 21                   |
| 06519E                                  | 4716N             | 2663-05375                   | 00000/0000                  | 2-20036/0651     | 11/15/76            | 90              | 9238         | 20.1         | 153.4                              | GGGG                |                      | 170                   | 27                   |
| 06518E                                  | 5559N             | 2576-05552                   | 00000/0000                  | 2-20030/1540     | 08/20/76            | 20              | 8025         | 41.8         | 144.2                              | FGGG                |                      | 173                   | 21                   |
| 06518E                                  | 4716N             | 2519-05422                   | 00000/0000                  | 2-20027/0457     | 06/24/76            | 50              | 7230         | 56.5         | 125.0                              | GGGG                |                      | 170                   | 27                   |
| 06517E                                  | 5548N             | 2486-05575                   | 00000/0000                  | 2-20025/1076     | 05/27/76            | 20              | 6770         | 50.2         | 142.3                              | GGGG                |                      | 173                   | 21                   |
| 06517E                                  | 5022N             | 2448-05430                   | 00000/0000                  | 2-20023/0200     | 04/14/76            | 10              | 6240         | 43.2         | 141.5                              | GGGG                |                      | 171                   | 25                   |
| 06517E                                  | 5019N             | 2466-05433                   | 00000/0000                  | 2-20024/1568     | 05/02/76            | 10              | 6491         | 49.0         | 138.7                              | GGGG                |                      | 171                   | 25                   |
| 06517E                                  | 3020N             | 2695-05133                   | 00000/0000                  | 2-20038/0038     | 12/17/76            | 0               | 9684         | 27.1         | 144.7                              | FGGG                |                      | 166                   | 39                   |
| 06517E                                  | 3020N             | 2713-05175                   | 00000/0000                  | 2-20038/1140     | 01/04/77            | 80              | 9935         | 26.4         | 142.3                              | GGGG                |                      | 166                   | 39                   |
| 06516E                                  | 5313N             | 2449-05535                   | 00000/0000                  | 2-20023/0207     | 04/15/76            | 30              | 6254         | 41.8         | 144.4                              | GGGG                |                      | 172                   | 23                   |
| 06516E                                  | 3016N             | 2677-05132                   | 00000/0000                  | 2-20036/1515     | 11/29/76            | 0               | 9433         | 29.8         | 145.5                              | FGGF                |                      | 166                   | 39                   |
| 06514E                                  | 5552N             | 2612-05542                   | 00000/0000                  | 2-20032/1803     | 09/25/76            | 70              | 8527         | 30.0         | 152.0                              | GGGG                |                      | 173                   | 21                   |
| 06514E                                  | 5310N             | 2467-05532                   | 00000/0000                  | 2-20024/0885     | 05/03/76            | 10              | 6505         | 47.5         | 142.2                              | FGGG                |                      | 172                   | 23                   |
| 06514E                                  | 5022N             | 2574-05454                   | 00000/0000                  | 2-20030/1505     | 08/18/76            | 60              | 7997         | 45.8         | 137.1                              | GGGG                |                      | 171                   | 25                   |
| 06514E                                  | 5019N             | 2718-05403                   | 00000/0000                  | 2-20038/0892     | 01/09/77            | 60              | 5            | 12.4         | 150.4                              | PPFP                |                      | 171                   | 25                   |
| 06514E                                  | 5017N             | 2700-05411                   | 00000/0000                  | 2-20037/1256     | 12/22/76            | 10              | 9754         | 11.9         | 152.9                              | GGGG                |                      | 171                   | 25                   |
| 06514E                                  | 3015N             | 2659-05200                   | 00000/0000                  | 2-20036/0328     | 11/11/76            | 0               | 9182         | 33.9         | 144.1                              | GGGG                |                      | 166                   | 39                   |
| 06513E                                  | 5309N             | 2719-05452                   | 00000/0000                  | 2-20038/1176     | 01/10/77            | 70              | 19           | 10.4         | 151.6                              | PPPG                |                      | 172                   | 23                   |
| 06513E                                  | 5019N             | 2592-05451                   | 00000/0000                  | 2-20032/0711     | 09/05/76            | 10              | 8248         | 40.5         | 142.0                              | FFGG                |                      | 171                   | 25                   |
| 06512E                                  | 5550N             | 2558-05555                   | 00000/0000                  | 2-20030/0617     | 08/02/76            | 80              | 7774         | 46.7         | 140.6                              | FGGF                |                      | 173                   | 21                   |
| 06512E                                  | 5545N             | 2540-05563                   | 00000/0000                  | 2-20028/1461     | 07/15/76            | 60              | 7523         | 50.3         | 138.6                              | GGGG                |                      | 173                   | 21                   |
| 06512E                                  | 5542N             | 2504-05573                   | 00000/0000                  | 2-20026/1057     | 06/09/76            | 90              | 7021         | 52.4         | 140.2                              | FFGG                |                      | 173                   | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, 4=HIGH GAIN

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FOR NON-US

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RSV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RSV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06512E 5308N                            | 2575-05533        | 00000/0000                   | 2-20030/1578                | 08/19/76         | 80                  | 8011            | 43.8         | 140.6        | GF GG                              |                     |                      | 172                   | 23                   |
| 06512E 4316N                            | 2444-05391        | 00000/0000                   | 2-20024/0771                | 04/30/76         | 20                  | 6463            | 52.2         | 129.8        | FG GG                              |                     |                      | 169                   | 30                   |
| 06511E 5014N                            | 2556-05461        | 00000/0000                   | 2-20030/0379                | 07/31/76         | 0                   | 7746            | 50.2         | 132.7        | GG GG                              |                     |                      | 171                   | 25                   |
| 06511E 5011N                            | 2484-05481        | 00000/0000                   | 2-20025/0967                | 05/20/76         | 10                  | 6742            | 53.1         | 135.2        | GG GG                              |                     |                      | 171                   | 25                   |
| 06510E 5015N                            | 2610-05444        | 00000/0000                   | 2-20032/1713                | 09/23/76         | 10                  | 8499            | 34.7         | 146.9        | GG GG                              |                     |                      | 171                   | 25                   |
| 06510E 5010N                            | 2682-05420        | 00000/0000                   | 2-20037/0004                | 12/04/76         | 60                  | 9503            | 13.7         | 154.5        | GG GG                              |                     |                      | 171                   | 25                   |
| 06510E 3439N                            | 2714-05222        | 00000/0000                   | 2-20038/0808                | 01/05/77         | 90                  | 9949            | 23.5         | 144.2        | GG GG                              |                     |                      | 167                   | 36                   |
| 06510E 2436N                            | 2712-05135        | 00000/0000                   | 2-20038/0650                | 01/03/77         | 20                  | 9921            | 30.2         | 139.6        | FFFF                               |                     |                      | 165                   | 43                   |
| 06510E 2434N                            | 2586-05182        | 00000/0000                   | 2-20032/0391                | 08/30/76         | 50                  | 8164            | 52.9         | 108.7        | GG GG                              |                     |                      | 165                   | 43                   |
| 06509E 5259N                            | 2683-05465        | 00000/0000                   | 2-20037/0136                | 12/05/76         | 10                  | 9517            | 11.3         | 155.8        | GG GG                              |                     |                      | 172                   | 23                   |
| 06509E 4313N                            | 2698-05315        | 00000/0000                   | 2-20037/1214                | 12/20/76         | 90                  | 9726            | 17.4         | 150.1        | GG GG                              |                     |                      | 169                   | 30                   |
| 06509E 4313N                            | 2716-05311        | 00000/0000                   | 2-20038/0948                | 01/07/77         | 0                   | 9977            | 17.5         | 147.6        | GG GG                              |                     |                      | 169                   | 30                   |
| 06509E 2433N                            | 2694-05143        | 00000/0000                   | 2-20037/0995                | 12/16/76         | 10                  | 9670            | 31.3         | 141.9        | GG FG                              |                     |                      | 165                   | 43                   |
| 06508E 5300N                            | 2485-05530        | 00000/0000                   | 2-20025/1001                | 05/21/76         | 80                  | 6756            | 51.7         | 139.1        | G GG                               |                     |                      | 172                   | 23                   |
| 06508E 5008N                            | 2502-05474        | 00000/0000                   | 2-20026/0946                | 06/07/76         | 10                  | 6993            | 55.2         | 131.7        | GG GG                              |                     |                      | 171                   | 25                   |
| 06508E 5005N                            | 2664-05424        | 00000/0000                   | 2-20036/0794                | 11/16/76         | 50                  | 9252            | 17.6         | 154.9        | GG GG                              |                     |                      | 171                   | 25                   |
| 06508E 2433N                            | 2676-05152        | 00000/0000                   | 2-20036/1442                | 11/28/76         | 0                   | 9419            | 34.0         | 142.3        | FFFF                               |                     |                      | 165                   | 43                   |
| 06507E 5541N                            | 2522-05570        | 00000/0000                   | 2-20028/0176                | 06/27/76         | 40                  | 7272            | 52.3         | 138.4        | GG GG                              |                     |                      | 173                   | 21                   |
| 06507E 3858N                            | 2445-05352        | 00000/0000                   | 2-20022/1670                | 04/11/76         | 40                  | 6198            | 48.5         | 129.2        | GG GG                              |                     |                      | 168                   | 33                   |
| 06507E 3857N                            | 2463-05344        | 00000/0000                   | 2-20024/0980                | 04/29/76         | 10                  | 6449            | 53.8         | 124.0        | GG GG                              |                     |                      | 168                   | 33                   |
| 06507E 3437N                            | 2696-05230        | 00000/0000                   | 2-20038/0082                | 12/18/76         | 0                   | 9698            | 24.0         | 146.6        | GG GG                              |                     |                      | 167                   | 36                   |
| 06507E 2433N                            | 2730-05131        | 00000/0000                   | 2-20039/0923                | 01/21/77         | 10                  | 172             | 31.3         | 135.8        | GF GG                              |                     |                      | 165                   | 43                   |
| 06506E 5304N                            | 2557-05510        | 00000/0000                   | 2-20030/0549                | 08/01/76         | 20                  | 7760            | 48.5         | 136.7        | FG GG                              |                     |                      | 172                   | 23                   |
| 06506E 5256N                            | 2503-05523        | 00000/0000                   | 2-20026/1031                | 06/08/76         | 80                  | 7007            | 53.9         | 136.0        | FG GG                              |                     |                      | 172                   | 23                   |
| 06506E 5004N                            | 2520-05471        | 00000/0000                   | 2-20028/0062                | 06/25/76         | 0                   | 7244            | 55.3         | 129.6        | GG GG                              |                     |                      | 171                   | 25                   |
| 06506E 4308N                            | 2630-05324        | 00000/0000                   | 2-20036/1791                | 12/02/76         | 60                  | 9475            | 19.6         | 151.5        | FPPG                               |                     |                      | 169                   | 30                   |
| 06505E 5255N                            | 2521-05520        | 00000/0000                   | 2-20028/0137                | 06/25/76         | 100                 | 7258            | 53.8         | 134.1        | GG GG                              |                     |                      | 172                   | 23                   |
| 06505E 5005N                            | 2538-05454        | 00000/0000                   | 2-20028/1283                | 07/13/76         | 10                  | 7495            | 53.4         | 130.0        | GG GG                              |                     |                      | 171                   | 25                   |
| 06505E 3432N                            | 2678-05235        | 00000/0000                   | 2-20036/1628                | 11/30/76         | 80                  | 9447            | 26.5         | 147.6        | GG GG                              |                     |                      | 167                   | 36                   |
| 06505E 2431N                            | 2658-05160        | 00000/0000                   | 2-20036/0189                | 11/10/76         | 0                   | 9168            | 38.0         | 140.3        | FG GF                              |                     |                      | 165                   | 43                   |
| 06504E 5256N                            | 2539-05513        | 00000/0000                   | 2-20028/1416                | 07/14/76         | 50                  | 7509            | 51.9         | 134.3        | GG GG                              |                     |                      | 172                   | 23                   |
| 06504E 4302N                            | 2518-05375        | 00000/0000                   | 2-20027/0387                | 06/23/76         | 10                  | 7216            | 57.9         | 117.7        | GG GG                              |                     |                      | 169                   | 30                   |
| 06504E 3853N                            | 2715-05264        | 00000/0000                   | 2-20038/0858                | 01/06/77         | 30                  | 9963            | 20.5         | 145.9        | GG GG                              |                     |                      | 168                   | 33                   |
| 06503E 5253N                            | 2665-05473        | 00000/0000                   | 2-20037/0239                | 11/17/76         | 60                  | 9266            | 15.1         | 156.3        | GG GG                              |                     |                      | 172                   | 23                   |
| 06503E 4303N                            | 2652-05332        | 00000/0000                   | 2-20036/0586                | 11/14/76         | 30                  | 9224            | 23.6         | 151.3        | GG FF                              |                     |                      | 169                   | 30                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06503E 3854N                            | 2697-05273        | 00000/0000                   | 2-20038/0315               | 12/19/76         | 100                 | 9712            | 20.7         | 148.4        | FFFF                               |                     |                      | 168                   | 33                   |
| 06503E 3432N                            | 2660-05243        | 00000/0000                   | 2-20036/0368               | 11/12/76         | 0                   | 9196            | 30.6         | 146.7        | GGGF                               |                     |                      | 167                   | 36                   |
| 06502E 1843N                            | 2667-05120        | 00000/0000                   | 2-20036/0153               | 11/09/76         | 10                  | 9154            | 41.9         | 135.8        | GGGG                               |                     |                      | 164                   | 47                   |
| 06501E 3849N                            | 2679-05281        | 00000/0000                   | 2-20036/1731               | 12/01/76         | 40                  | 9461            | 23.1         | 149.6        | GGGG                               |                     |                      | 168                   | 33                   |
| 06500E 3844N                            | 2517-05333        | 00000/0000                   | 2-20027/0344               | 06/22/76         | 10                  | 7202            | 58.8         | 110.0        | GGGG                               |                     |                      | 168                   | 33                   |
| 06459E 3848N                            | 2643-05294        | 00000/0000                   | 2-20035/0119               | 10/26/76         | 0                   | 8959            | 32.2         | 146.0        | GGGG                               |                     |                      | 168                   | 33                   |
| 06459E 3846N                            | 2661-05290        | 00000/0000                   | 2-20036/0496               | 11/13/76         | 0                   | 9210            | 27.1         | 149.1        | GGGG                               |                     |                      | 168                   | 33                   |
| 06453E 2854N                            | 2713-05181        | 00000/0000                   | 2-20038/1141               | 01/04/77         | 40                  | 9935            | 27.4         | 141.6        | FGGG                               |                     |                      | 166                   | 40                   |
| 06452E 4605N                            | 2465-05440        | 00000/0000                   | 2-20024/1062               | 05/01/76         | 40                  | 6477            | 51.0         | 133.4        | GGGG                               |                     |                      | 170                   | 28                   |
| 06452E 2854N                            | 2695-05130        | 00000/0000                   | 2-20038/0039               | 12/17/76         | 0                   | 9684            | 28.2         | 144.0        | GGG                                |                     |                      | 166                   | 40                   |
| 06452E 2851N                            | 2677-05134        | 00000/0000                   | 2-20036/1516               | 11/29/76         | 0                   | 9433            | 30.8         | 144.7        | GGGG                               |                     |                      | 166                   | 40                   |
| 06450E 4603N                            | 2699-05364        | 00000/0000                   | 2-20037/1166               | 12/21/76         | 90                  | 9740            | 15.2         | 151.2        | FFFF                               |                     |                      | 170                   | 28                   |
| 06449E 4603N                            | 2717-05360        | 00000/0000                   | 2-20038/1067               | 01/08/77         | 0                   | 9991            | 15.5         | 148.7        | FFFF                               |                     |                      | 170                   | 28                   |
| 06449E 4558N                            | 2641-05373        | 00000/0000                   | 2-20037/0052               | 12/03/76         | 0                   | 9489            | 17.2         | 152.7        | GGGG                               |                     |                      | 170                   | 28                   |
| 06449E 2849N                            | 2659-05273        | 00000/0000                   | 2-20036/0329               | 11/11/76         | 0                   | 9182            | 34.9         | 143.2        | GGGG                               |                     |                      | 166                   | 40                   |
| 06448E 4604N                            | 2573-05411        | 00000/0000                   | 2-20030/1377               | 08/17/76         | 0                   | 7983            | 48.3         | 131.6        | GGGG                               |                     |                      | 170                   | 28                   |
| 06448E 4601N                            | 2555-05414        | 00000/0000                   | 2-20030/0421               | 07/30/76         | 40                  | 7732            | 52.3         | 126.5        | GGGG                               |                     |                      | 170                   | 28                   |
| 06448E 2309N                            | 2536-05145        | 00000/0000                   | 2-20037/0392               | 08/30/76         | 50                  | 8164            | 53.1         | 106.7        | GGGG                               |                     |                      | 165                   | 44                   |
| 06447E 2309N                            | 2712-05141        | 00000/0000                   | 2-20038/0651               | 01/03/77         | 10                  | 9921            | 31.2         | 138.8        | FFFF                               |                     |                      | 165                   | 44                   |
| 06447E 2306N                            | 2694-05150        | 00000/0000                   | 2-20037/0996               | 12/16/76         | 10                  | 9670            | 32.2         | 141.1        | GGGG                               |                     |                      | 165                   | 44                   |
| 06445E 4556N                            | 2537-05421        | 00000/0000                   | 2-20028/1214               | 07/12/76         | 10                  | 7481            | 55.3         | 123.2        | GGGG                               |                     |                      | 170                   | 28                   |
| 06445E 4555N                            | 2501-05431        | 00000/0000                   | 2-20024/0905               | 06/06/76         | 10                  | 6979            | 57.0         | 124.9        | GGGG                               |                     |                      | 170                   | 28                   |
| 06445E 2307N                            | 2676-05154        | 00000/0000                   | 2-20036/1443               | 11/28/76         | 0                   | 9419            | 35.0         | 141.4        | FFFF                               |                     |                      | 165                   | 44                   |
| 06445E 2307N                            | 2730-05133        | 00000/0000                   | 2-20039/0924               | 01/21/77         | 0                   | 172             | 32.2         | 134.9        | GGGG                               |                     |                      | 165                   | 44                   |
| 06444E 5721N                            | 2577-06004        | 00000/0000                   | 2-20030/1632               | 08/21/76         | 70                  | 8039            | 40.6         | 146.0        | GGGG                               |                     |                      | 174                   | 20                   |
| 06444E 4552N                            | 2663-05382        | 00000/0000                   | 2-20036/0682               | 11/15/76         | 40                  | 9238            | 21.2         | 152.7        | FGGG                               |                     |                      | 170                   | 28                   |
| 06444E 4551N                            | 2519-05424        | 00000/0000                   | 2-20027/0458               | 06/24/76         | 40                  | 7230            | 57.0         | 122.6        | GGGG                               |                     |                      | 170                   | 28                   |
| 06443E 3313N                            | 2714-05224        | 00000/0000                   | 2-20038/0809               | 01/05/77         | 60                  | 9949            | 24.5         | 143.5        | GGGG                               |                     |                      | 167                   | 37                   |
| 06442E 5720N                            | 2595-06001        | 00000/0000                   | 2-20037/1022               | 09/06/76         | 0                   | 8290            | 34.8         | 149.7        | GGGG                               |                     |                      | 174                   | 20                   |
| 06442E 2305N                            | 2658-05163        | 00000/0000                   | 2-20036/0190               | 11/10/76         | 10                  | 9168            | 39.0         | 139.3        | FGGG                               |                     |                      | 165                   | 44                   |
| 06441E 5713N                            | 2437-06031        | 00000/0000                   | 2-20025/1143               | 05/23/76         | 10                  | 6784            | 49.5         | 144.9        | G                                  |                     |                      | 174                   | 20                   |
| 06441E 4150N                            | 2454-05394        | 00000/0000                   | 2-20024/0772               | 04/30/76         | 40                  | 6463            | 52.8         | 127.8        | GGGG                               |                     |                      | 169                   | 31                   |
| 06441E 3311N                            | 2636-05232        | 00000/0000                   | 2-20038/0083               | 12/18/76         | 0                   | 9698            | 25.0         | 146.0        | GGGG                               |                     |                      | 167                   | 37                   |
| 06440E 4150N                            | 2446-05401        | 00000/0000                   | 2-20027/1815               | 04/12/76         | 60                  | 6212            | 47.4         | 132.4        | GGGG                               |                     |                      | 169                   | 31                   |
| 06439E 3732N                            | 2445-05354        | 00000/0000                   | 2-20022/1671               | 04/11/76         | 10                  | 6198            | 49.2         | 127.5        | GGGG                               |                     |                      | 168                   | 34                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | RESERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN REEL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               |                       | RBV                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 06439E                      | 3731N             | 2453-05351            | 00000/0000           | 2-20024/0981     | 04/29/76            | 10              | 6449         | 54.3         | 121.9                 | GGGG                |                      | 168                   | 34                   |
| 06439E                      | 3307N             | 2678-05241            | 00000/0000           | 2-20036/1629     | 11/30/76            | 40              | 9447         | 27.5         | 146.9                 | GGFG                |                      | 167                   | 37                   |
| 06438E                      | 4148N             | 2696-05322            | 00000/0000           | 2-20037/1215     | 12/20/76            | 80              | 9726         | 18.5         | 149.5                 | GGGG                |                      | 169                   | 31                   |
| 06437E                      | 4148N             | 2716-05313            | 00000/0000           | 2-20038/0949     | 01/07/77            | 30              | 9977         | 18.5         | 147.0                 | PPFF                |                      | 169                   | 31                   |
| 06437E                      | 3307N             | 2660-05245            | 00000/0000           | 2-20036/0369     | 11/12/76            | 0               | 9196         | 31.6         | 145.9                 | GGGG                |                      | 167                   | 37                   |
| 06436E                      | 5706N             | 2505-06024            | 00000/0000           | 2-20026/1304     | 06/10/76            | 80              | 7038         | 51.6         | 142.2                 | GGGG                |                      | 174                   | 20                   |
| 06436E                      | 3730N             | 2715-05271            | 00000/0000           | 2-20038/0859     | 01/06/77            | 40              | 9963         | 21.5         | 145.3                 | FGGG                |                      | 168                   | 34                   |
| 06435E                      | 5707N             | 2541-06014            | 00000/0000           | 2-20028/1538     | 07/16/76            | 100             | 7537         | 49.3         | 140.6                 | GGGG                |                      | 174                   | 20                   |
| 06435E                      | 4853N             | 2700-05414            | 00000/0000           | 2-20037/1257     | 12/22/76            | 10              | 9754         | 13.0         | 152.3                 | GGGG                |                      | 171                   | 26                   |
| 06435E                      | 4143N             | 2680-05330            | 00000/0000           | 2-20036/1792     | 12/02/76            | 60              | 9475         | 20.7         | 150.9                 | FFFG                |                      | 169                   | 31                   |
| 06434E                      | 5435N             | 2450-05591            | 00000/0000           | 2-20023/0264     | 04/16/76            | 70              | 6268         | 41.2         | 145.8                 | GGGG                |                      | 173                   | 22                   |
| 06434E                      | 5434N             | 2468-05584            | 00000/0000           | 2-20024/1391     | 05/04/76            | 70              | 6519         | 46.9         | 143.8                 | GGGG                |                      | 173                   | 22                   |
| 06434E                      | 5149N             | 2449-05542            | 00000/0000           | 2-20027/0208     | 04/15/76            | 10              | 6254         | 42.7         | 142.9                 | GGGG                |                      | 172                   | 24                   |
| 06434E                      | 3727N             | 2697-05275            | 00000/0000           | 2-20038/0316     | 12/19/76            | 90              | 9712         | 21.8         | 147.8                 | GFFF                |                      | 168                   | 34                   |
| 06433E                      | 5433N             | 2720-05504            | 00000/0000           | 2-20038/1275     | 01/11/77            | 30              | 33           | 9.5          | 152.2                 | FFGF                |                      | 173                   | 22                   |
| 06433E                      | 4137N             | 2518-05382            | 00000/0000           | 2-20027/0388     | 06/23/76            | 20              | 7216         | 58.2         | 115.2                 | GGGG                |                      | 169                   | 31                   |
| 06433E                      | 3723N             | 2679-05284            | 00000/0000           | 2-20036/1732     | 12/01/76            | 10              | 9461         | 24.2         | 148.9                 | GGGG                |                      | 168                   | 34                   |
| 06432E                      | 5704N             | 2523-06022            | 00000/0000           | 2-20028/0270     | 06/28/76            | 30              | 7286         | 51.5         | 140.5                 | GGGG                |                      | 174                   | 20                   |
| 06432E                      | 4137N             | 2662-05335            | 00000/0000           | 2-20036/0587     | 11/14/76            | 20              | 9224         | 24.7         | 150.6                 | PGGG                |                      | 169                   | 31                   |
| 06432E                      | 3719N             | 2517-05335            | 00000/0000           | 2-20027/0345     | 06/22/76            | 0               | 7202         | 59.0         | 107.3                 | GGGG                |                      | 168                   | 34                   |
| 06431E                      | 5435N             | 2576-05555            | 00000/0000           | 2-20030/1541     | 08/20/76            | 20              | 8025         | 42.7         | 142.5                 | FGGG                |                      | 173                   | 22                   |
| 06431E                      | 5146N             | 2467-05535            | 00000/0000           | 2-20024/0886     | 05/03/76            | 20              | 6505         | 48.4         | 140.4                 | GGGG                |                      | 172                   | 24                   |
| 06431E                      | 4846N             | 2632-05422            | 00000/0000           | 2-20037/0065     | 12/04/76            | 40              | 9533         | 14.9         | 153.9                 | GGGG                |                      | 171                   | 26                   |
| 06431E                      | 3721N             | 2661-05292            | 00000/0000           | 2-20036/0499     | 11/13/76            | 0               | 9210         | 28.2         | 148.3                 | GGGG                |                      | 168                   | 34                   |
| 06430E                      | 5433N             | 2594-05552            | 00000/0000           | 2-20037/0940     | 09/07/76            | 10              | 8276         | 37.1         | 146.8                 | GGGG                |                      | 173                   | 22                   |
| 06430E                      | 4841N             | 2664-05431            | 00000/0000           | 2-20036/0795     | 11/16/76            | 50              | 9252         | 18.7         | 154.2                 | FGGG                |                      | 171                   | 26                   |
| 06429E                      | 5424N             | 2446-05542            | 00000/0000           | 2-20025/1077     | 05/22/76            | 80              | 6770         | 51.1         | 140.9                 | GGGG                |                      | 173                   | 22                   |
| 06429E                      | 5145N             | 2719-05455            | 00000/0000           | 2-20038/1177     | 01/10/77            | 40              | 19           | 11.5         | 150.9                 | FFFF                |                      | 172                   | 24                   |
| 06429E                      | 5144N             | 2575-05505            | 00000/0000           | 2-20030/1579     | 08/19/76            | 60              | 8011         | 44.7         | 139.0                 | GGGG                |                      | 172                   | 24                   |
| 06429E                      | 2728N             | 2713-05184            | 00000/0000           | 2-20038/1142     | 01/04/77            | 40              | 9935         | 28.4         | 140.9                 | FGGG                |                      | 166                   | 41                   |
| 06428E                      | 5427N             | 2684-05521            | 00000/0000           | 2-20037/0338     | 12/06/76            | 20              | 9531         | 10.0         | 156.4                 | PPPP                |                      | 173                   | 22                   |
| 06428E                      | 2728N             | 2635-05192            | 00000/0000           | 2-20038/0040     | 12/17/76            | 0               | 9684         | 29.2         | 143.3                 | GGGG                |                      | 166                   | 41                   |
| 06428E                      | 2726N             | 2677-05201            | 00000/0000           | 2-20036/1517     | 11/29/76            | 0               | 9433         | 31.8         | 143.9                 | GGGG                |                      | 166                   | 41                   |
| 06426E                      | 5427N             | 2612-05545            | 00000/0000           | 2-20032/1804     | 09/25/76            | 60              | 8527         | 31.0         | 150.8                 | GGGG                |                      | 173                   | 22                   |
| 06426E                      | 5135N             | 2683-05471            | 00000/0000           | 2-20037/0137     | 12/05/76            | 10              | 9517         | 12.5         | 155.1                 | GGGG                |                      | 172                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | POLL NR./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBN<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06425E 5419N                            | 2504-05575        | 00000/0000                   | 2-20026/1038                | 06/09/76         | 70                  | 7021            | 53.2         | 138.1        | FGGG                               |                     |                      | 173                   | 22                   |
| 06425E 2723N                            | 2659-05205        | 00000/0000                   | 2-20036/0330                | 11/11/76         | 0                   | 9182            | 35.9         | 142.3        | GGGG                               |                     |                      | 166                   | 41                   |
| 06424E 5426N                            | 2558-05562        | 00000/0000                   | 2-20030/0618                | 08/02/76         | 90                  | 7774            | 47.5         | 138.8        | FFFF                               |                     |                      | 173                   | 22                   |
| 06424E 5421N                            | 2540-05565        | 00000/0000                   | 2-20028/1462                | 07/15/76         | 40                  | 7523            | 51.0         | 136.5        | GGGG                               |                     |                      | 173                   | 22                   |
| 06424E 5140N                            | 2557-05513        | 00000/0000                   | 2-20030/0550                | 08/01/76         | 10                  | 7760            | 49.2         | 134.8        | GGGG                               |                     |                      | 172                   | 24                   |
| 06424E 5132N                            | 2503-05530        | 00000/0000                   | 2-20026/1032                | 06/08/76         | 70                  | 7007            | 54.6         | 133.8        | GGGG                               |                     |                      | 172                   | 24                   |
| 06424E 2143N                            | 2712-05144        | 00000/0000                   | 2-20038/0652                | 01/03/77         | 20                  | 9921            | 32.1         | 138.0        | GGGG                               |                     |                      | 165                   | 45                   |
| 06424E 2139N                            | 2694-05152        | 00000/0000                   | 2-20037/0997                | 12/16/76         | 10                  | 9670            | 33.2         | 140.3        | FGFF                               |                     |                      | 165                   | 45                   |
| 06423E 5131N                            | 2521-05523        | 00000/0000                   | 2-20028/0138                | 06/26/76         | 90                  | 7258            | 54.5         | 131.9        | GGGG                               |                     |                      | 172                   | 24                   |
| 06423E 2140N                            | 2676-05161        | 00000/0000                   | 2-20036/1444                | 11/28/76         | 0                   | 9419            | 36.0         | 140.6        | FFFF                               |                     |                      | 165                   | 45                   |
| 06423E 2140N                            | 2730-05140        | 00000/0000                   | 2-20039/0925                | 01/21/77         | 0                   | 172             | 33.0         | 134.0        | GGGF                               |                     |                      | 165                   | 45                   |
| 06422E 5132N                            | 2539-05520        | 00000/0000                   | 2-20028/1417                | 07/14/76         | 10                  | 7509            | 52.6         | 132.2        | GGGG                               |                     |                      | 172                   | 24                   |
| 06420E 5417N                            | 2522-05572        | 00000/0000                   | 2-20028/0177                | 06/27/76         | 30                  | 7272            | 53.1         | 136.3        | FGGG                               |                     |                      | 173                   | 22                   |
| 06420E 5129N                            | 2665-05480        | 00000/0000                   | 2-20037/0240                | 11/17/76         | 50                  | 9266            | 16.2         | 155.6        | GGGG                               |                     |                      | 172                   | 24                   |
| 06420E 2139N                            | 2658-05165        | 00000/0000                   | 2-20036/0191                | 11/10/76         | 10                  | 9168            | 39.9         | 138.2        | GGGF                               |                     |                      | 165                   | 45                   |
| 06418E 4440N                            | 2465-05443        | 00000/0000                   | 2-20024/1063                | 05/01/76         | 30                  | 6477            | 51.7         | 131.5        | GGGG                               |                     |                      | 170                   | 29                   |
| 06417E 5847N                            | 2452-06092        | 00000/0000                   | 2-20023/0384                | 04/18/76         | 0                   | 6296            | 39.0         | 150.3        | GGGG                               |                     |                      | 175                   | 19                   |
| 06417E 4438N                            | 2699-05371        | 00000/0000                   | 2-20037/1167                | 12/21/76         | 80                  | 9740            | 16.3         | 150.6        | FGGF                               |                     |                      | 170                   | 29                   |
| 06417E 3146N                            | 2714-05231        | 00000/0000                   | 2-20038/0810                | 01/05/77         | 40                  | 9949            | 25.5         | 142.8        | GGGG                               |                     |                      | 167                   | 38                   |
| 06416E 4432N                            | 2681-05380        | 00000/0000                   | 2-20037/0053                | 12/03/76         | 10                  | 9489            | 18.3         | 152.1        | GGGG                               |                     |                      | 170                   | 29                   |
| 06415E 4438N                            | 2717-05363        | 00000/0000                   | 2-20038/1068                | 01/08/77         | 20                  | 9991            | 16.5         | 148.1        | FGGG                               |                     |                      | 170                   | 29                   |
| 06415E 4433N                            | 2453-05440        | 00000/0000                   | 2-20025/0814                | 05/19/76         | 40                  | 6728            | 55.6         | 126.8        | GGGG                               |                     |                      | 170                   | 29                   |
| 06415E 3145N                            | 2696-05235        | 00000/0000                   | 2-20038/0084                | 12/18/76         | 0                   | 9698            | 26.0         | 145.3        | GGGG                               |                     |                      | 167                   | 38                   |
| 06414E 4439N                            | 2573-05413        | 00000/0000                   | 2-20030/1378                | 08/17/76         | 0                   | 7983            | 48.9         | 129.8        | GGGG                               |                     |                      | 170                   | 29                   |
| 06413E 5843N                            | 2470-06085        | 00000/0000                   | 2-20024/1602                | 05/06/76         | 100                 | 6547            | 44.7         | 148.9        | GGGG                               |                     |                      | 175                   | 19                   |
| 06413E 4439N                            | 2591-05410        | 00000/0000                   | 2-20037/0773                | 09/04/76         | 40                  | 8234            | 44.2         | 135.9        | GGGG                               |                     |                      | 170                   | 29                   |
| 06413E 3142N                            | 2678-05244        | 00000/0000                   | 2-20036/1630                | 11/30/76         | 40                  | 9447            | 28.6         | 146.2        | GGGG                               |                     |                      | 167                   | 38                   |
| 06412E 5844N                            | 2578-06060        | 00000/0000                   | 2-20030/1722                | 08/22/76         | 50                  | 8053            | 39.4         | 147.8        | GGGG                               |                     |                      | 175                   | 19                   |
| 06412E 4431N                            | 2537-05424        | 00000/0000                   | 2-20028/1215                | 07/12/76         | 10                  | 7481            | 55.7         | 120.9        | FGGG                               |                     |                      | 170                   | 29                   |
| 06412E 4430N                            | 2501-05434        | 00000/0000                   | 2-20026/0906                | 06/06/76         | 0                   | 6979            | 57.5         | 122.5        | GGGG                               |                     |                      | 170                   | 29                   |
| 06411E 4427N                            | 2663-05384        | 00000/0000                   | 2-20036/0683                | 11/15/76         | 0                   | 9238            | 22.3         | 152.0        | FGGG                               |                     |                      | 170                   | 29                   |
| 06411E 3140N                            | 2650-05252        | 00000/0000                   | 2-20036/0370                | 11/12/76         | 0                   | 9196            | 32.6         | 145.1        | GGGG                               |                     |                      | 167                   | 38                   |
| 06410E 5842N                            | 2596-06053        | 00000/0000                   | 2-20032/1043                | 09/09/76         | 10                  | 8304            | 33.5         | 151.3        | GGFG                               |                     |                      | 175                   | 19                   |
| 06410E 4426N                            | 2519-05431        | 00000/0000                   | 2-20027/0459                | 06/24/76         | 10                  | 7230            | 57.4         | 120.1        | FGGG                               |                     |                      | 170                   | 29                   |
| 06410E 4025N                            | 2446-05403        | 00000/0000                   | 2-20022/1816                | 04/12/76         | 20                  | 6212            | 48.1         | 130.7        | GGGG                               |                     |                      | 169                   | 32                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FBR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06410E                                  | 4025N             | 2464-05400                   | 00000/0000                 | 2-20024/0773     | 04/30/76            | 10                     | 6463         | 53.4         | 125.8                              | GGGG                |                      | 169                   | 32                   |
| 06410E                                  | 2605N             | 2461-05270                   | 00000/0000                 | 2-20024/0648     | 04/27/76            | 0                      | 6421         | 56.5         | 104.8                              | GGGG                |                      | 166                   | 42                   |
| 06409E                                  | 5836N             | 2488-06083                   | 00000/0000                 | 2-20025/1144     | 05/24/76            | 60                     | 6798         | 48.8         | 146.7                              | GGGG                |                      | 175                   | 19                   |
| 06409E                                  | 2602N             | 2569-05241                   | 00000/0000                 | 2-20030/1231     | 08/13/76            | 50                     | 7927         | 54.5         | 101.6                              | GGGG                |                      | 166                   | 42                   |
| 06408E                                  | 4022N             | 2698-05324                   | 00000/0000                 | 2-20037/1216     | 12/20/76            | 90                     | 9726         | 19.5         | 148.9                              | GGGG                |                      | 169                   | 32                   |
| 06408E                                  | 3604N             | 2715-05273                   | 00000/0000                 | 2-20038/0860     | 01/06/77            | 70                     | 9963         | 22.5         | 144.6                              | GGGG                |                      | 168                   | 35                   |
| 06407E                                  | 4022N             | 2716-05320                   | 00000/0000                 | 2-20038/0950     | 01/07/77            | 60                     | 9977         | 19.5         | 146.4                              | FFFF                |                      | 169                   | 32                   |
| 06407E                                  | 3602N             | 2697-05282                   | 00000/0000                 | 2-20038/0317     | 12/19/76            | 80                     | 9712         | 22.8         | 147.2                              | GGGG                |                      | 168                   | 35                   |
| 06407E                                  | 2557N             | 2533-05251                   | 00000/0000                 | 2-20028/0908     | 07/08/76            | 30                     | 7425         | 57.3         | 88.4                               | GGGG                |                      | 166                   | 42                   |
| 06406E                                  | 3557N             | 2679-05290                   | 00000/0000                 | 2-20036/1733     | 12/01/76            | 10                     | 9461         | 25.2         | 148.3                              | GGGG                |                      | 168                   | 35                   |
| 06406E                                  | 2555N             | 2437-05261                   | 00000/0000                 | 2-20026/0618     | 06/02/76            | 10                     | 6923         | 59.1         | 89.6                               | GGGG                |                      | 166                   | 42                   |
| 06405E                                  | 5838N             | 2614-06050                   | 00000/0000                 | 2-20034/0075     | 09/27/76            | 60                     | 8555         | 27.1         | 154.8                              | GGGG                |                      | 175                   | 19                   |
| 06405E                                  | 2601N             | 2695-05195                   | 00000/0000                 | 2-20038/0041     | 12/17/76            | 0                      | 9684         | 30.2         | 142.6                              | GGGG                |                      | 166                   | 42                   |
| 06405E                                  | 2601N             | 2713-05190                   | 00000/0000                 | 2-20038/1143     | 01/04/77            | 30                     | 9935         | 29.3         | 140.2                              | GGGG                |                      | 166                   | 42                   |
| 06405E                                  | 2600N             | 2587-05234                   | 00000/0000                 | 2-20032/0423     | 08/31/76            | 50                     | 8178         | 52.5         | 111.3                              | GGGG                |                      | 166                   | 42                   |
| 06405E                                  | 2559N             | 2425-05281                   | 00000/0000                 | 2-20022/0403     | 03/22/76            | 70                     | 5919         | 47.5         | 120.8                              | GGGG                |                      | 166                   | 42                   |
| 06404E                                  | 5837N             | 2560-06063                   | 00000/0000                 | 2-20030/0734     | 08/04/76            | 10                     | 7802         | 44.5         | 144.6                              | GGGG                |                      | 175                   | 19                   |
| 06404E                                  | 4018N             | 2680-05333                   | 00000/0000                 | 2-20036/1793     | 12/02/76            | 40                     | 9475         | 21.8         | 150.2                              | GGGG                |                      | 169                   | 32                   |
| 06404E                                  | 2600N             | 2677-05203                   | 00000/0000                 | 2-20036/1518     | 11/29/76            | 0                      | 9433         | 32.8         | 143.1                              | GGGG                |                      | 166                   | 42                   |
| 06403E                                  | 5832N             | 2542-06070                   | 00000/0000                 | 2-20028/1645     | 07/17/76            | 70                     | 7551         | 48.3         | 142.8                              | GGGG                |                      | 175                   | 19                   |
| 06403E                                  | 4012N             | 2518-05384                   | 00000/0000                 | 2-20027/0389     | 06/23/76            | 10                     | 7216         | 58.5         | 112.6                              | GGGG                |                      | 169                   | 32                   |
| 06403E                                  | 3555N             | 2661-05295                   | 00000/0000                 | 2-20036/0500     | 11/13/76            | 0                      | 9210         | 29.3         | 147.6                              | GGGG                |                      | 168                   | 35                   |
| 06403E                                  | 2557N             | 2605-05231                   | 00000/0000                 | 2-20032/1475     | 09/18/76            | 20                     | 8429         | 49.7         | 121.3                              | GGGG                |                      | 166                   | 42                   |
| 06402E                                  | 4012N             | 2662-05341                   | 00000/0000                 | 2-20036/0588     | 11/14/76            | 10                     | 9224         | 25.8         | 149.9                              | GGGG                |                      | 169                   | 32                   |
| 06402E                                  | 2557N             | 2659-05212                   | 00000/0000                 | 2-20036/0331     | 11/11/76            | 0                      | 9182         | 36.8         | 141.4                              | GGGG                |                      | 166                   | 42                   |
| 06401E                                  | 4010N             | 2644-05350                   | 00000/0000                 | 2-20035/0208     | 10/27/76            | 70                     | 8973         | 30.9         | 147.6                              | GGGG                |                      | 169                   | 32                   |
| 06401E                                  | 2551N             | 2371-05294                   | 00000/0000                 | 2-20020/0474     | 01/28/76            | 80                     | 5166         | 33.1         | 137.4                              | GGGG                |                      | 166                   | 42                   |
| 06400E                                  | 5828N             | 2506-06080                   | 00000/0000                 | 2-20026/1366     | 06/11/76            | 80                     | 7049         | 50.8         | 144.2                              | GGGG                |                      | 175                   | 19                   |
| 06400E                                  | 2555N             | 2623-05224                   | 00000/0000                 | 2-20034/0392     | 10/06/76            | 10                     | 8680         | 45.9         | 130.2                              | GGGG                |                      | 166                   | 42                   |
| 06359E                                  | 4729N             | 2718-05412                   | 00000/0000                 | 2-20038/0893     | 01/09/77            | 30                     | 5            | 14.5         | 149.2                              | GGGG                |                      | 171                   | 27                   |
| 06359E                                  | 4728N             | 2700-05420                   | 00000/0000                 | 2-20037/1258     | 12/22/76            | 10                     | 9754         | 14.1         | 151.7                              | GGGG                |                      | 171                   | 27                   |
| 06359E                                  | 2013N             | 2658-05172                   | 00000/0000                 | 2-20036/0192     | 11/10/76            | 10                     | 9168         | 40.8         | 137.2                              | GGGG                |                      | 165                   | 46                   |
| 06358E                                  | 5826N             | 2524-06073                   | 00000/0000                 | 2-20028/0372     | 06/29/76            | 30                     | 7300         | 50.6         | 142.6                              | GGGG                |                      | 175                   | 19                   |
| 06354E                                  | 4722N             | 2682-05425                   | 00000/0000                 | 2-20037/0006     | 12/04/76            | 0                      | 9503         | 16.0         | 153.3                              | GGGG                |                      | 171                   | 27                   |
| 06353E                                  | 5557N             | 2577-06010                   | 00000/0000                 | 2-20030/1633     | 08/21/76            | 20                     | 8039         | 41.5         | 144.4                              | GGGG                |                      | 174                   | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS AND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN=US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06353E                                  | 5024N             | 2449-05544                   | 00000/0000                 | 2-20023/0209     | 04/15/76            | 10              | 6254         | 43.6         | 141.4                              | GGGG                |                      | 172                   | 25                   |
| 06352E                                  | 4716N             | 2664-05433                   | 00000/0000                 | 2-20036/0796     | 11/16/76            | 40              | 9252         | 19.8         | 153.6                              | FGGG                |                      | 171                   | 27                   |
| 06352E                                  | 3020N             | 2714-05233                   | 00000/0000                 | 2-20038/0811     | 01/05/77            | 70              | 9949         | 26.5         | 142.1                              | GGGG                |                      | 167                   | 39                   |
| 06351E                                  | 5556N             | 2595-06004                   | 00000/0000                 | 2-20037/1023     | 09/08/76            | 0               | 8290         | 35.8         | 148.3                              | GGGG                |                      | 174                   | 21                   |
| 06351E                                  | 3019N             | 2696-05241                   | 00000/0000                 | 2-20038/0085     | 12/18/76            | 10              | 9698         | 27.1         | 144.6                              | GGGG                |                      | 167                   | 39                   |
| 06350E                                  | 5549N             | 2487-06033                   | 00000/0000                 | 2-20025/1125     | 05/23/76            | 70              | 6784         | 50.4         | 142.9                              | FGGG                |                      | 174                   | 21                   |
| 06350E                                  | 5021N             | 2467-05541                   | 00000/0000                 | 2-20024/0887     | 05/03/76            | 30              | 6505         | 49.2         | 138.6                              | GGGG                |                      | 172                   | 25                   |
| 06349E                                  | 5552N             | 2659-06014                   | 00000/0000                 | 2-20030/0672     | 08/03/76            | 20              | 7788         | 46.4         | 140.8                              | P F                 |                      | 174                   | 21                   |
| 06349E                                  | 5310N             | 2450-05594                   | 00000/0000                 | 2-20023/0265     | 04/16/76            | 80              | 6268         | 42.1         | 144.3                              | GGGG                |                      | 173                   | 23                   |
| 06349E                                  | 5310N             | 2468-05591                   | 00000/0000                 | 2-20024/1332     | 05/04/76            | 20              | 6519         | 47.8         | 142.0                              | FGGG                |                      | 173                   | 23                   |
| 06349E                                  | 5020N             | 2575-05512                   | 00000/0000                 | 2-20030/1530     | 08/19/76            | 60              | 8011         | 45.5         | 137.3                              | GGGG                |                      | 172                   | 25                   |
| 06348E                                  | 5020N             | 2719-05461                   | 00000/0000                 | 2-20038/1178     | 01/10/77            | 30              | 19           | 12.6         | 150.3                              | FFPP                |                      | 172                   | 25                   |
| 06348E                                  | 3016N             | 2678-05250                   | 00000/0000                 | 2-20036/1631     | 11/30/76            | 30              | 9447         | 29.6         | 145.5                              | FGGF                |                      | 167                   | 39                   |
| 06347E                                  | 5308N             | 2720-05510                   | 00000/0000                 | 2-20036/1276     | 01/11/77            | 40              | 33           | 10.5         | 151.5                              | FGGF                |                      | 173                   | 23                   |
| 06346E                                  | 6009N             | 2579-06111                   | 00000/0000                 | 2-20037/0322     | 08/23/76            | 40              | 8067         | 38.1         | 149.6                              | GGGG                |                      | 176                   | 18                   |
| 06346E                                  | 5311N             | 2576-05561                   | 00000/0000                 | 2-20030/1542     | 08/20/76            | 30              | 8025         | 43.5         | 140.9                              | GGGG                |                      | 173                   | 23                   |
| 06346E                                  | 3014N             | 2660-05254                   | 00000/0000                 | 2-20036/0371     | 11/12/76            | 0               | 9196         | 33.6         | 144.2                              | GGGG                |                      | 167                   | 39                   |
| 06345E                                  | 5544N             | 2541-06021                   | 00000/0000                 | 2-20028/1539     | 07/16/76            | 100             | 7537         | 50.1         | 138.6                              | GGGG                |                      | 174                   | 21                   |
| 06345E                                  | 5542N             | 2505-06031                   | 00000/0000                 | 2-20026/1305     | 06/10/76            | 10              | 7035         | 52.4         | 140.1                              | GGGG                |                      | 174                   | 21                   |
| 06345E                                  | 5309N             | 2594-05554                   | 00000/0000                 | 2-20032/0941     | 09/07/76            | 10              | 8276         | 38.1         | 145.4                              | GGGG                |                      | 173                   | 23                   |
| 06345E                                  | 5306N             | 2702-05515                   | 00000/0000                 | 2-20038/0504     | 12/24/76            | 90              | 9782         | 9.6          | 154.0                              | GGGG                |                      | 173                   | 23                   |
| 06345E                                  | 5011N             | 2485-05535                   | 00000/0000                 | 2-20025/1024     | 05/21/76            | 30              | 6756         | 53.3         | 135.0                              | GGGG                |                      | 172                   | 25                   |
| 06345E                                  | 5011N             | 2683-05474                   | 00000/0000                 | 2-20037/0138     | 12/05/76            | 10              | 9517         | 13.6         | 154.5                              | GGGG                |                      | 172                   | 25                   |
| 06344E                                  | 5015N             | 2557-05515                   | 00000/0000                 | 2-20030/0551     | 08/01/76            | 0               | 7760         | 49.9         | 132.9                              | GGGG                |                      | 172                   | 25                   |
| 06344E                                  | 5008N             | 2503-05532                   | 00000/0000                 | 2-20026/1033     | 06/08/76            | 70              | 7007         | 55.3         | 131.6                              | GGGG                |                      | 172                   | 25                   |
| 06344E                                  | 4313N             | 2699-05373                   | 00000/0000                 | 2-20037/1168     | 12/21/76            | 90              | 9740         | 17.3         | 150.0                              | GGGG                |                      | 170                   | 30                   |
| 06343E                                  | 5004N             | 2471-06141                   | 00000/0000                 | 2-20024/1683     | 05/07/76            | 90              | 6561         | 44.0         | 150.6                              | GGGG                |                      | 176                   | 18                   |
| 06343E                                  | 5302N             | 2644-05523                   | 00000/0000                 | 2-20037/0339     | 12/06/76            | 20              | 9531         | 11.2         | 155.8                              | PPPP                |                      | 173                   | 23                   |
| 06343E                                  | 5259N             | 2436-05544                   | 00000/0000                 | 2-20025/1078     | 05/22/76            | 100             | 6770         | 51.9         | 138.9                              | GGGG                |                      | 173                   | 23                   |
| 06343E                                  | 4307N             | 2681-05382                   | 00000/0000                 | 2-20037/0054     | 12/03/76            | 0               | 9489         | 19.4         | 151.4                              | GGGG                |                      | 170                   | 30                   |
| 06342E                                  | 5540N             | 2523-06024                   | 00000/0000                 | 2-20028/0271     | 06/23/76            | 70              | 7286         | 52.3         | 138.4                              | GGGG                |                      | 174                   | 21                   |
| 06342E                                  | 5007N             | 2539-05522                   | 00000/0000                 | 2-20028/1418     | 07/14/76            | 10              | 7509         | 53.3         | 130.0                              | GGGG                |                      | 172                   | 25                   |
| 06342E                                  | 4313N             | 2717-05365                   | 00000/0000                 | 2-20037/1069     | 01/08/77            | 30              | 9991         | 17.6         | 147.4                              | FFFF                |                      | 170                   | 30                   |
| 06342E                                  | 2435N             | 2695-05271                   | 00000/0000                 | 2-20038/0042     | 12/17/76            | 0               | 9684         | 31.1         | 141.8                              | FFFF                |                      | 166                   | 43                   |
| 06342E                                  | 2435N             | 2713-05193                   | 00000/0000                 | 2-20038/1144     | 01/04/77            | 40              | 9935         | 30.3         | 139.4                              | GGGG                |                      | 166                   | 43                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0990

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06342E                                  | 2433N             | 2677-05210                   | 00000/0000                  | 2-20036/1519     | 11/29/76            | 10              | 9433         | 33.8         | 142.3                              | GFGG                |                      | 166                   | 43                   |
| 06341E                                  | 5303N             | 2612-05551                   | 00000/0000                  | 2-20037/1805     | 09/25/76            | 90              | 8527         | 32.0         | 149.7                              | GGGG                |                      | 173                   | 23                   |
| 06341E                                  | 5255N             | 2504-05582                   | 00000/0000                  | 2-20026/1089     | 06/09/76            | 50              | 7021         | 53.9         | 135.9                              | GGGG                |                      | 173                   | 23                   |
| 06341E                                  | 3859N             | 2446-05410                   | 00000/0000                  | 2-20027/1817     | 04/12/76            | 0               | 6212         | 48.8         | 129.0                              | GGGG                |                      | 169                   | 33                   |
| 06341E                                  | 3859N             | 2464-05403                   | 00000/0000                  | 2-20024/0774     | 04/30/76            | 10              | 6463         | 54.0         | 123.7                              | GGGG                |                      | 169                   | 33                   |
| 06341E                                  | 3437N             | 2715-05280                   | 00000/0000                  | 2-20038/0861     | 01/06/77            | 10              | 9963         | 23.5         | 144.0                              | GGGG                |                      | 168                   | 36                   |
| 06340E                                  | 6003N             | 2561-06115                   | 00000/0000                  | 2-20030/0856     | 08/05/76            | 10              | 7816         | 43.3         | 146.7                              | GGGF                |                      | 176                   | 18                   |
| 06340E                                  | 5302N             | 2558-05564                   | 00000/0000                  | 2-20030/0619     | 08/02/76            | 80              | 7774         | 48.3         | 136.9                              | FFFF                |                      | 173                   | 23                   |
| 06340E                                  | 5005N             | 2665-05482                   | 00000/0000                  | 2-20037/0241     | 11/17/76            | 40              | 9266         | 17.3         | 154.9                              | GGGG                |                      | 172                   | 25                   |
| 06340E                                  | 3436N             | 2697-05284                   | 00000/0000                  | 2-20038/0318     | 12/19/76            | 60              | 9712         | 23.9         | 146.5                              | GGGG                |                      | 168                   | 36                   |
| 06339E                                  | 5257N             | 2540-05572                   | 00000/0000                  | 2-20028/1463     | 07/15/76            | 10              | 7523         | 51.8         | 134.4                              | GGGG                |                      | 173                   | 23                   |
| 06339E                                  | 4302N             | 2663-05391                   | 00000/0000                  | 2-20036/0684     | 11/15/76            | 10              | 9238         | 23.4         | 151.3                              | FGFG                |                      | 170                   | 30                   |
| 06339E                                  | 3432N             | 2679-05292                   | 00000/0000                  | 2-20036/1734     | 12/01/76            | 0               | 9461         | 26.3         | 147.6                              | GGGG                |                      | 168                   | 36                   |
| 06339E                                  | 2431N             | 2659-05214                   | 00000/0000                  | 2-20036/0332     | 11/11/76            | 10              | 9182         | 37.8         | 140.4                              | GGGG                |                      | 166                   | 43                   |
| 06338E                                  | 3856N             | 2698-05331                   | 00000/0000                  | 2-20037/1217     | 12/20/76            | 100             | 9726         | 20.6         | 148.3                              | FGGG                |                      | 169                   | 33                   |
| 06338E                                  | 3856N             | 2716-05322                   | 00000/0000                  | 2-20038/0951     | 01/07/77            | 90              | 9977         | 20.6         | 145.7                              | GGGG                |                      | 169                   | 33                   |
| 06336E                                  | 3429N             | 2661-05301                   | 00000/0000                  | 2-20036/0501     | 11/13/76            | 0               | 9210         | 30.3         | 146.8                              | GGGG                |                      | 168                   | 36                   |
| 06335E                                  | 5253N             | 2522-05575                   | 00000/0000                  | 2-20028/0178     | 06/27/76            | 20              | 7272         | 53.8         | 134.0                              | GGGF                |                      | 173                   | 23                   |
| 06335E                                  | 3852N             | 2680-05335                   | 00000/0000                  | 2-20036/1794     | 12/02/76            | 10              | 9475         | 22.9         | 149.6                              | GGGG                |                      | 169                   | 33                   |
| 06334E                                  | 5954N             | 2525-06125                   | 00000/0000                  | 2-20028/0483     | 06/30/76            | 70              | 7314         | 49.6         | 144.8                              | FGGG                |                      | 176                   | 18                   |
| 06334E                                  | 5954N             | 2543-06122                   | 00000/0000                  | 2-20028/1853     | 07/18/76            | 90              | 7565         | 47.3         | 144.8                              | GGGF                |                      | 176                   | 18                   |
| 06334E                                  | 3846N             | 2518-05391                   | 00000/0000                  | 2-20027/0390     | 06/23/76            | 10              | 7216         | 58.8         | 110.0                              | FGGF                |                      | 169                   | 33                   |
| 06333E                                  | 5953N             | 2507-06132                   | 00000/0000                  | 2-20026/1417     | 06/12/76            | 10              | 7063         | 49.9         | 146.3                              | GGGG                |                      | 176                   | 18                   |
| 06333E                                  | 3847N             | 2662-05344                   | 00000/0000                  | 2-20036/0589     | 11/14/76            | 0               | 9224         | 26.9         | 149.1                              | GGGG                |                      | 169                   | 33                   |
| 06332E                                  | 3845N             | 2644-05352                   | 00000/0000                  | 2-20035/0209     | 10/27/76            | 50              | 8973         | 31.9         | 146.7                              | GGGG                |                      | 169                   | 33                   |
| 06330E                                  | 2857N             | 2444-05323                   | 00000/0000                  | 2-20027/1821     | 04/10/76            | 0               | 6184         | 52.1         | 116.9                              | PGGG                |                      | 167                   | 40                   |
| 06328E                                  | 2848N             | 2420-05313                   | 00000/0000                  | 2-20025/0480     | 05/16/76            | 0               | 6686         | 58.8         | 100.7                              | GGGG                |                      | 167                   | 40                   |
| 06327E                                  | 2853N             | 2696-05244                   | 00000/0000                  | 2-20038/0086     | 12/18/76            | 10              | 9698         | 28.1         | 143.9                              | GGGG                |                      | 167                   | 40                   |
| 06327E                                  | 2853N             | 2714-05240                   | 00000/0000                  | 2-20038/0812     | 01/05/77            | 70              | 9949         | 27.4         | 141.4                              | GGGG                |                      | 167                   | 40                   |
| 06325E                                  | 2847N             | 2516-05304                   | 00000/0000                  | 2-20027/0137     | 06/21/76            | 0               | 7188         | 58.9         | 91.8                               | FFFF                |                      | 167                   | 40                   |
| 06324E                                  | 4604N             | 2718-05414                   | 00000/0000                  | 2-20038/0894     | 01/09/77            | 70              | 5            | 15.6         | 148.5                              | FGGG                |                      | 171                   | 28                   |
| 06324E                                  | 2850N             | 2678-05253                   | 00000/0000                  | 2-20036/1632     | 11/30/76            | 20              | 9447         | 30.6         | 144.7                              | FGGF                |                      | 167                   | 40                   |
| 06323E                                  | 4603N             | 2700-05423                   | 00000/0000                  | 2-20037/1259     | 12/22/76            | 0               | 9754         | 15.1         | 151.1                              | GFGG                |                      | 171                   | 28                   |
| 06322E                                  | 5724N             | 2452-06095                   | 00000/0000                  | 2-20023/0385     | 04/18/76            | 0               | 6296         | 40.0         | 148.7                              | GGGG                |                      | 175                   | 20                   |
| 06322E                                  | 2848N             | 2660-05261                   | 00000/0000                  | 2-20036/0372     | 11/12/76            | 0               | 9196         | 34.6         | 143.4                              | GGGG                |                      | 167                   | 40                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0991

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06320E 2309N                            | 2655-05204        | 00000/0000                   | 2-20038/0043               | 12/17/76         | 10                  | 9684            | 32.1         | 141.0        | GFFG                               |                     |                      | 166                   | 44                   |
| 06319E 5720N                            | 2470-05092        | 00000/0000                   | 2-20024/1818               | 05/06/76         | 60                  | 6547            | 45.7         | 147.1        | FGGG                               |                     |                      | 175                   | 20                   |
| 06319E 4557N                            | 2682-05431        | 00000/0000                   | 2-20037/0007               | 12/04/76         | 0                   | 9503            | 17.1         | 152.6        | GGGG                               |                     |                      | 171                   | 28                   |
| 06319E 2843N                            | 2390-05341        | 00000/0000                   | 2-20020/1637               | 02/16/76         | 20                  | 5431            | 35.6         | 134.3        | GGGG                               |                     |                      | 167                   | 40                   |
| 06319E 2308N                            | 2713-05195        | 00000/0000                   | 2-20038/1145               | 01/04/77         | 20                  | 9935            | 31.2         | 138.6        | GGGG                               |                     |                      | 166                   | 44                   |
| 06319E 2306N                            | 2677-05212        | 00000/0000                   | 2-20036/1520               | 11/29/76         | 10                  | 9433            | 34.8         | 141.5        | PGGG                               |                     |                      | 166                   | 44                   |
| 06317E 5721N                            | 2578-06062        | 00000/0000                   | 2-20030/1723               | 08/22/76         | 10                  | 8053            | 40.3         | 146.2        | GGGG                               |                     |                      | 175                   | 20                   |
| 06317E 4551N                            | 2664-05440        | 00000/0000                   | 2-20036/0797               | 11/16/76         | 20                  | 9252            | 20.9         | 152.8        | FGGF                               |                     |                      | 171                   | 28                   |
| 06316E 2305N                            | 2659-05221        | 00000/0000                   | 2-20036/0333               | 11/11/76         | 10                  | 9182            | 38.7         | 139.5        | GGGG                               |                     |                      | 166                   | 44                   |
| 06315E 5718N                            | 2596-06055        | 00000/0000                   | 2-20032/1044               | 09/09/76         | 10                  | 8304            | 34.5         | 149.9        | GGGG                               |                     |                      | 175                   | 20                   |
| 06315E 5712N                            | 2488-06085        | 00000/0000                   | 2-20025/1145               | 05/24/76         | 60                  | 6798            | 49.7         | 144.7        | GGGG                               |                     |                      | 175                   | 20                   |
| 06315E 3311N                            | 2715-05242        | 00000/0000                   | 2-20038/0862               | 01/06/77         | 60                  | 9963            | 24.5         | 143.3        | GGGG                               |                     |                      | 168                   | 37                   |
| 06314E 3310N                            | 2637-05291        | 00000/0000                   | 2-20038/0319               | 12/19/76         | 30                  | 9712            | 24.9         | 145.9        | FGGG                               |                     |                      | 168                   | 37                   |
| 06313E 4147N                            | 2699-05380        | 00000/0000                   | 2-20037/1169               | 12/21/76         | 80                  | 9740            | 18.4         | 149.4        | GGGF                               |                     |                      | 170                   | 31                   |
| 06313E 3733N                            | 2464-05435        | 00000/0000                   | 2-20024/0775               | 04/30/76         | 10                  | 6463            | 54.5         | 121.6        | FGGF                               |                     |                      | 169                   | 34                   |
| 06313E 3307N                            | 2679-05295        | 00000/0000                   | 2-20036/1735               | 12/01/76         | 10                  | 9461            | 27.4         | 146.9        | GGGG                               |                     |                      | 168                   | 37                   |
| 06312E 4142N                            | 2681-05385        | 00000/0000                   | 2-20037/0055               | 12/03/76         | 20                  | 9489            | 20.5         | 150.8        | FGGG                               |                     |                      | 170                   | 31                   |
| 06312E 3733N                            | 2446-05412        | 00000/0000                   | 2-20022/1818               | 04/12/76         | 0                   | 6212            | 49.5         | 127.3        | GGGG                               |                     |                      | 169                   | 34                   |
| 06311E 5715N                            | 2614-06052        | 00000/0000                   | 2-20034/0076               | 09/27/76         | 40                  | 8555            | 28.2         | 153.6        | GGGG                               |                     |                      | 175                   | 20                   |
| 06311E 4147N                            | 2717-05372        | 00000/0000                   | 2-20038/1070               | 01/08/77         | 80                  | 9991            | 18.6         | 146.8        | GGGG                               |                     |                      | 170                   | 31                   |
| 06310E 5714N                            | 2560-06055        | 00000/0000                   | 2-20030/0795               | 08/04/76         | 10                  | 7802            | 45.3         | 142.8        | GGGG                               |                     |                      | 175                   | 20                   |
| 06310E 4855N                            | 2719-05464        | 00000/0000                   | 2-20038/1179               | 01/10/77         | 30                  | 19              | 13.6         | 149.6        | FFFF                               |                     |                      | 172                   | 26                   |
| 06310E 3731N                            | 2698-05333        | 00000/0000                   | 2-20037/1218               | 12/20/76         | 70                  | 9726            | 21.7         | 147.7        | GGGG                               |                     |                      | 169                   | 34                   |
| 06310E 3730N                            | 2716-05325        | 00000/0000                   | 2-20038/0952               | 01/07/77         | 90                  | 9977            | 21.6         | 145.1        | GGGG                               |                     |                      | 169                   | 34                   |
| 06310E 3304N                            | 2661-05304        | 00000/0000                   | 2-20034/0502               | 11/13/76         | 0                   | 9210            | 31.3         | 146.0        | GGGG                               |                     |                      | 168                   | 37                   |
| 06309E 5709N                            | 2542-06073        | 00000/0000                   | 2-20028/1646               | 07/17/76         | 90                  | 7551            | 49.2         | 140.8        | GGGG                               |                     |                      | 175                   | 20                   |
| 06307E 5705N                            | 2506-06083        | 00000/0000                   | 2-20026/1367               | 06/11/76         | 40                  | 7049            | 51.6         | 142.1        | GGGG                               |                     |                      | 175                   | 20                   |
| 06307E 5434N                            | 2451-06050        | 00000/0000                   | 2-20023/0342               | 04/17/76         | 20                  | 6282            | 41.6         | 145.7        | GGGG                               |                     |                      | 174                   | 22                   |
| 06307E 5146N                            | 2450-06000        | 00000/0000                   | 2-20023/0266               | 04/16/76         | 80                  | 6268            | 43.0         | 142.7        | GGGG                               |                     |                      | 173                   | 24                   |
| 06307E 4846N                            | 2683-05480        | 00000/0000                   | 2-20037/0135               | 12/05/76         | 10                  | 9517            | 14.7         | 153.8        | GGGG                               |                     |                      | 172                   | 26                   |
| 06307E 4137N                            | 2663-05393        | 00000/0000                   | 2-20036/0685               | 11/15/76         | 10                  | 9238            | 24.5         | 150.6        | FGGG                               |                     |                      | 170                   | 31                   |
| 06307E 3727N                            | 2680-05342        | 00000/0000                   | 2-20036/1795               | 12/02/76         | 10                  | 9475            | 24.0         | 148.9        | GGGG                               |                     |                      | 169                   | 34                   |
| 06307E 2731N                            | 2444-05325        | 00000/0000                   | 2-20022/1822               | 04/10/76         | 0                   | 6184            | 52.5         | 114.9        | FGGG                               |                     |                      | 167                   | 41                   |
| 06306E 5433N                            | 2721-05562        | 00000/0000                   | 2-20038/0990               | 01/12/77         | 80                  | 47              | 9.6          | 152.0        | GGGG                               |                     |                      | 174                   | 22                   |
| 06306E 5145N                            | 2468-05593        | 00000/0000                   | 2-20024/1393               | 05/04/76         | 0                   | 6519            | 48.7         | 140.2        | FGGG                               |                     |                      | 173                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06306E 3721N                            | 2516-05393        | 00000/0000                   | 2-20027/0391                | 06/23/76         | 0                   | 7216            | 59.0         | 107.4        | GGGG                               |                     |                      | 169                   | 34                   |
| 06305E 5703N                            | 2524-06020        | 00000/0000                   | 2-20028/0373                | 06/29/76         | 50                  | 7300            | 51.4         | 140.4        | GGGG                               |                     |                      | 175                   | 20                   |
| 06305E 5433N                            | 2577-06012        | 00000/0000                   | 2-20030/1634                | 08/21/76         | 10                  | 8039            | 42.4         | 142.8        | GGGG                               |                     |                      | 174                   | 22                   |
| 06305E 3721N                            | 2662-05350        | 00000/0000                   | 2-20036/0590                | 11/14/76         | 10                  | 9224            | 28.0         | 148.4        | FGFG                               |                     |                      | 169                   | 34                   |
| 06305E 2723N                            | 2440-05315        | 00000/0000                   | 2-20025/0481                | 05/16/76         | 0                   | 6686            | 58.7         | 98.2         | GGGG                               |                     |                      | 167                   | 41                   |
| 06304E 5144N                            | 2720-05513        | 00000/0000                   | 2-20032/1277                | 01/11/77         | 40                  | 33              | 11.6         | 150.8        | GPFG                               |                     |                      | 173                   | 24                   |
| 06303E 5146N                            | 2576-05564        | 00000/0000                   | 2-20030/1543                | 08/20/76         | 30                  | 8025            | 44.4         | 139.3        | FGGG                               |                     |                      | 173                   | 24                   |
| 06303E 3719N                            | 2644-05355        | 00000/0000                   | 2-20035/0210                | 10/27/76         | 30                  | 8973            | 33.0         | 145.8        | GGGG                               |                     |                      | 169                   | 34                   |
| 06303E 2727N                            | 2696-05250        | 00000/0000                   | 2-20032/0087                | 12/18/76         | 10                  | 9698            | 29.1         | 143.2        | FGGG                               |                     |                      | 167                   | 41                   |
| 06303E 2727N                            | 2714-05242        | 00000/0000                   | 2-20032/0813                | 01/05/77         | 30                  | 9949            | 28.4         | 140.7        | FGGG                               |                     |                      | 167                   | 41                   |
| 06302E 5432N                            | 2595-06010        | 00000/0000                   | 2-20032/1024                | 09/08/76         | 10                  | 8290            | 36.8         | 147.0        | GFGG                               |                     |                      | 174                   | 22                   |
| 06302E 5429N                            | 2559-06020        | 00000/0000                   | 2-20030/0673                | 08/03/76         | 20                  | 7788            | 47.2         | 139.0        | P F                                |                     |                      | 174                   | 22                   |
| 06302E 5426N                            | 2645-05576        | 00000/0000                   | 2-20036/1832                | 12/07/76         | 50                  | 9545            | 9.9          | 156.4        | GGGG                               |                     |                      | 174                   | 22                   |
| 06302E 5425N                            | 2457-06040        | 00000/0000                   | 2-20025/1126                | 05/23/76         | 50                  | 6784            | 51.2         | 140.8        | GGGG                               |                     |                      | 174                   | 22                   |
| 06302E 5145N                            | 2594-05561        | 00000/0000                   | 2-20032/0942                | 09/07/76         | 20                  | 8276            | 39.0         | 144.0        | GGGG                               |                     |                      | 173                   | 24                   |
| 06302E 5142N                            | 2702-05521        | 00000/0000                   | 2-20032/0505                | 12/24/76         | 90                  | 9782            | 10.7         | 153.3        | GGGG                               |                     |                      | 173                   | 24                   |
| 06302E 4840N                            | 2665-05485        | 00000/0000                   | 2-20037/0242                | 11/17/76         | 10                  | 9266            | 18.4         | 154.2        | GGGG                               |                     |                      | 172                   | 24                   |
| 06302E 2720N                            | 2516-05310        | 00000/0000                   | 2-20027/0138                | 06/21/76         | 0                   | 7188            | 58.7         | 89.3         | FFFF                               |                     |                      | 167                   | 41                   |
| 06301E 2724N                            | 2678-05255        | 00000/0000                   | 2-20036/1633                | 11/30/76         | 10                  | 9447            | 31.7         | 143.9        | FGGF                               |                     |                      | 167                   | 41                   |
| 06300E 5138N                            | 2634-05530        | 00000/0000                   | 2-20037/0340                | 12/06/76         | 10                  | 9531            | 12.3         | 155.1        | PPPP                               |                     |                      | 174                   | 22                   |
| 06300E 5135N                            | 2486-05591        | 00000/0000                   | 2-20025/1079                | 05/22/76         | 90                  | 6770            | 52.7         | 136.9        | GGGG                               |                     |                      | 173                   | 24                   |
| 06259E 5139N                            | 2612-05554        | 00000/0000                   | 2-20032/1806                | 09/25/76         | 40                  | 8527            | 33.0         | 148.5        | GGGG                               |                     |                      | 173                   | 24                   |
| 06259E 2722N                            | 2660-05253        | 00000/0000                   | 2-20036/0373                | 11/12/76         | 0                   | 9196            | 35.6         | 142.5        | GGGG                               |                     |                      | 167                   | 41                   |
| 06258E 5420N                            | 2541-06023        | 00000/0000                   | 2-20022/1540                | 07/16/76         | 100                 | 7537            | 50.9         | 136.5        | GGGG                               |                     |                      | 174                   | 22                   |
| 06258E 5138N                            | 2558-05571        | 00000/0000                   | 2-20030/0620                | 08/02/76         | 40                  | 7774            | 49.0         | 135.0        | FFGG                               |                     |                      | 173                   | 24                   |
| 06258E 5131N                            | 2504-05584        | 00000/0000                   | 2-20026/1090                | 06/09/76         | 30                  | 7021            | 54.6         | 133.6        | GFGG                               |                     |                      | 173                   | 24                   |
| 06258E 2142N                            | 2695-05210        | 00000/0000                   | 2-20038/0044                | 12/17/76         | 10                  | 9684            | 33.1         | 140.2        | FFGG                               |                     |                      | 166                   | 45                   |
| 06257E 5420N                            | 2667-05533        | 00000/0000                   | 2-20036/1002                | 11/19/76         | 10                  | 9294            | 13.4         | 157.1        | FGFP                               |                     |                      | 174                   | 22                   |
| 06257E 5419N                            | 2505-06033        | 00000/0000                   | 2-20026/1306                | 06/10/76         | 10                  | 7035            | 53.2         | 137.9        | FGGG                               |                     |                      | 174                   | 22                   |
| 06257E 2141N                            | 2713-05252        | 00000/0000                   | 2-20038/1146                | 01/04/77         | 20                  | 9935            | 32.1         | 137.8        | GGGG                               |                     |                      | 166                   | 45                   |
| 06257E 2140N                            | 2677-05215        | 00000/0000                   | 2-20036/1521                | 11/29/76         | 10                  | 9433            | 35.8         | 140.6        | FGGG                               |                     |                      | 166                   | 45                   |
| 06256E 5134N                            | 2540-05574        | 00000/0000                   | 2-20022/1464                | 07/15/76         | 10                  | 7523            | 52.5         | 132.3        | GGGG                               |                     |                      | 173                   | 24                   |
| 06255E 5416N                            | 2523-06031        | 00000/0000                   | 2-20022/0272                | 06/28/76         | 80                  | 7286            | 53.0         | 136.2        | GGGG                               |                     |                      | 174                   | 22                   |
| 06255E 2717N                            | 2390-05343        | 00000/0000                   | 2-20020/1638                | 02/16/76         | 10                  | 5431            | 36.4         | 133.3        | GGGG                               |                     |                      | 167                   | 41                   |
| 06254E 5129N                            | 2522-05531        | 00000/0000                   | 2-20022/0179                | 06/27/76         | 20                  | 7272            | 54.5         | 131.8        | GGGG                               |                     |                      | 173                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNEXPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 0993

| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-------------------|------------|---------------------|----------------------|-----------------------|----------------------|
| 06254E                      | 2139N | 2659-05223 | 00000/0000        | 2-20036/0334                                   | 11/11/76         | 10                  | 9182            | 39.7         | 138.4        | GGGG              |            |                     |                      | 166                   | 45                   |
| 06253E                      | 3148N | 2445-05372 | 00000/0000        | 2-20027/1672                                   | 14/11/76         | 0                   | 6198            | 51.5         | 120.3        | GGGG              |            |                     |                      | 168                   | 38                   |
| 06252E                      | 3144N | 2441-05362 | 00000/0000        | 2-20025/0699                                   | 05/17/76         | 0                   | 6700            | 58.7         | 105.5        | FFGG              |            |                     |                      | 168                   | 38                   |
| 06250E                      | 4438N | 2730-05425 | 00000/0000        | 2-20037/1260                                   | 12/22/76         | 0                   | 9754            | 16.2         | 150.5        | GGGG              |            |                     |                      | 171                   | 29                   |
| 06250E                      | 4438N | 2718-05421 | 00000/0000        | 2-20038/0895                                   | 01/09/77         | 90                  | 5               | 16.6         | 147.9        | GGGG              |            |                     |                      | 171                   | 29                   |
| 06250E                      | 3148N | 2539-05332 | 00000/0000        | 2-20032/0533                                   | 09/02/76         | 0                   | 8206            | 50.6         | 120.1        | GGG               |            |                     |                      | 168                   | 38                   |
| 06249E                      | 3146N | 2715-05285 | 00000/0000        | 2-20038/0863                                   | 01/06/77         | 90                  | 9963            | 25.5         | 142.7        | GGGG              |            |                     |                      | 168                   | 38                   |
| 06249E                      | 3144N | 2697-05293 | 00000/0000        | 2-20038/0320                                   | 12/19/76         | 10                  | 9712            | 26.0         | 145.2        | FFGG              |            |                     |                      | 168                   | 38                   |
| 06249E                      | 3142N | 2553-05343 | 00000/0000        | 2-20030/0227                                   | 07/28/76         | 0                   | 7704            | 56.0         | 103.5        | GGGG              |            |                     |                      | 168                   | 38                   |
| 06247E                      | 3141N | 2679-05302 | 00000/0000        | 2-20036/1736                                   | 12/01/76         | 10                  | 9461            | 28.4         | 146.2        | GGGG              |            |                     |                      | 163                   | 38                   |
| 06247E                      | 3137N | 2517-05353 | 00000/0000        | 2-20027/0346                                   | 06/22/76         | 0                   | 7202            | 59.1         | 96.9         | GGGG              |            |                     |                      | 168                   | 38                   |
| 06246E                      | 5846N | 2579-06114 | 00000/0000        | 2-20032/0323                                   | 08/23/76         | 70                  | 8067            | 39.1         | 148.0        | GGGG              |            |                     |                      | 176                   | 19                   |
| 06246E                      | 3607N | 2464-05412 | 00000/0000        | 2-20024/0776                                   | 04/30/76         | 10                  | 6463            | 55.0         | 119.4        | FFGG              |            |                     |                      | 169                   | 35                   |
| 06246E                      | 3140N | 2643-05314 | 00000/0000        | 2-20035/0120                                   | 10/26/76         | 0                   | 8959            | 37.2         | 141.9        | GGGG              |            |                     |                      | 168                   | 38                   |
| 06245E                      | 5842N | 2471-06144 | 00000/0000        | 2-20024/1684                                   | 05/07/76         | 80                  | 6561            | 45.0         | 148.7        | FFGG              |            |                     |                      | 176                   | 19                   |
| 06245E                      | 4432N | 2652-05434 | 00000/0000        | 2-20037/0008                                   | 12/04/76         | 0                   | 9503            | 18.2         | 152.0        | PPPP              |            |                     |                      | 171                   | 29                   |
| 06245E                      | 3607N | 2446-05415 | 00000/0000        | 2-20027/1819                                   | 04/12/76         | 10                  | 6212            | 50.1         | 125.5        | GGGG              |            |                     |                      | 169                   | 35                   |
| 06245E                      | 3138N | 2661-05310 | 00000/0000        | 2-20036/0503                                   | 11/13/76         | 10                  | 9210            | 32.4         | 145.2        | GGGG              |            |                     |                      | 168                   | 38                   |
| 06244E                      | 3137N | 2373-05392 | 00000/0000        | 2-20020/0638                                   | 01/30/76         | 10                  | 5194            | 29.9         | 140.3        | GGGG              |            |                     |                      | 168                   | 38                   |
| 06243E                      | 4426N | 2664-05442 | 00000/0000        | 2-20036/0798                                   | 11/16/76         | 10                  | 9252            | 22.0         | 152.1        | FFFG              |            |                     |                      | 171                   | 29                   |
| 06243E                      | 3605N | 2698-05340 | 00000/0000        | 2-20037/1219                                   | 12/20/76         | 90                  | 9726            | 22.7         | 147.1        | GGGG              |            |                     |                      | 169                   | 35                   |
| 06243E                      | 2605N | 2444-05332 | 00000/0000        | 2-20027/1823                                   | 04/10/76         | 10                  | 6184            | 52.8         | 112.9        | PGGG              |            |                     |                      | 167                   | 42                   |
| 06242E                      | 4022N | 2699-05382 | 00000/0000        | 2-20037/1170                                   | 12/21/76         | 70                  | 9740            | 19.5         | 148.8        | GGGG              |            |                     |                      | 170                   | 32                   |
| 06242E                      | 3604N | 2716-05331 | 00000/0000        | 2-20038/0953                                   | 01/07/77         | 90                  | 9977            | 22.6         | 144.5        | FFGG              |            |                     |                      | 169                   | 35                   |
| 06242E                      | 2556N | 2480-05322 | 00000/0000        | 2-20025/0482                                   | 05/16/76         | 0                   | 6686            | 58.7         | 95.7         | GGGG              |            |                     |                      | 167                   | 42                   |
| 06241E                      | 5840N | 2561-06121 | 00000/0000        | 2-20030/0857                                   | 08/05/76         | 20                  | 7816            | 44.2         | 144.8        | FFGG              |            |                     |                      | 176                   | 19                   |
| 06241E                      | 4022N | 2717-05374 | 00000/0000        | 2-20038/1071                                   | 01/08/77         | 90                  | 9991            | 19.6         | 146.2        | GGGF              |            |                     |                      | 170                   | 32                   |
| 06240E                      | 4017N | 2681-05391 | 00000/0000        | 2-20037/0056                                   | 12/03/76         | 10                  | 9489            | 21.6         | 150.2        | FFGG              |            |                     |                      | 170                   | 32                   |
| 06240E                      | 3601N | 2630-05344 | 00000/0000        | 2-20036/1796                                   | 12/02/76         | 10                  | 9475            | 25.0         | 148.3        | GGGG              |            |                     |                      | 169                   | 35                   |
| 06239E                      | 3556N | 2518-05400 | 00000/0000        | 2-20027/0392                                   | 06/23/76         | 0                   | 7216            | 59.1         | 104.7        | GGFG              |            |                     |                      | 169                   | 35                   |
| 06239E                      | 2600N | 2696-05253 | 00000/0000        | 2-20036/0088                                   | 12/18/76         | 10                  | 9698            | 30.1         | 142.5        | GGGG              |            |                     |                      | 167                   | 42                   |
| 06239E                      | 2600N | 2714-05245 | 00000/0000        | 2-20038/0814                                   | 01/05/77         | 10                  | 9949            | 29.3         | 140.0        | FFGG              |            |                     |                      | 167                   | 42                   |
| 06239E                      | 2554N | 2516-05313 | 00000/0000        | 2-20027/0139                                   | 06/21/76         | 10                  | 7188            | 58.4         | 86.8         | FFFF              |            |                     |                      | 167                   | 42                   |
| 06238E                      | 2558N | 2678-05262 | 00000/0000        | 2-20036/1634                                   | 11/30/76         | 20                  | 9447            | 32.7         | 143.2        | GGGG              |            |                     |                      | 167                   | 42                   |
| 06237E                      | 5831N | 2525-06131 | 00000/0000        | 2-20028/0484                                   | 06/30/76         | 30                  | 7314            | 50.5         | 142.7        | FFGG              |            |                     |                      | 176                   | 19                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL No./<br>IN RBL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
|                             |       |            |                   |                              |                            |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 06237E                      | 4012N | 2663-05430 | 00000/0000        | 2-20036/0686                 | 11/15/76                   | 10               | 9238                | 25.6            | 149.9        |              | FGFG                  |                     |                      | 170                   | 32                   |
| 06237E                      | 3556N | 2662-05352 | 00000/0000        | 2-20034/0591                 | 11/14/76                   | 10               | 9224                | 29.0            | 147.6        |              | FGGG                  |                     |                      | 169                   | 35                   |
| 06236E                      | 5632N | 2543-06124 | 00000/0000        | 2-20028/1854                 | 07/18/76                   | 90               | 7565                | 48.2            | 142.8        |              | GGGG                  |                     |                      | 176                   | 19                   |
| 06236E                      | 3553N | 2644-05361 | 00000/0000        | 2-20035/0081                 | 10/27/76                   | 60               | 8973                | 34.0            | 144.9        |              | GGGG                  |                     |                      | 169                   | 35                   |
| 06235E                      | 5831N | 2507-06134 | 00000/0000        | 2-20026/1396                 | 06/12/76                   | 10               | 7063                | 50.8            | 144.1        |              | GGG                   |                     |                      | 176                   | 19                   |
| 06235E                      | 2556N | 2660-05277 | 00000/0000        | 2-20036/0374                 | 11/12/76                   | 10               | 9196                | 36.6            | 141.6        |              | GGGG                  |                     |                      | 167                   | 42                   |
| 06234E                      | 4730N | 2719-05473 | 00000/0000        | 2-20032/1130                 | 01/10/77                   | 60               | 19                  | 14.6            | 149.0        |              | FFGF                  |                     |                      | 172                   | 27                   |
| 06232E                      | 2552N | 2390-05350 | 00000/0000        | 2-20020/1639                 | 02/16/76                   | 10               | 5431                | 37.2            | 132.3        |              | GGGG                  |                     |                      | 167                   | 42                   |
| 06232E                      | 2013N | 2659-05237 | 00000/0000        | 2-20036/0335                 | 11/11/76                   | 10               | 9182                | 40.6            | 137.4        |              | GGGG                  |                     |                      | 166                   | 46                   |
| 06231E                      | 5600N | 2452-06101 | 00000/0000        | 2-20023/0386                 | 04/18/76                   | 0                | 6296                | 41.0            | 147.2        |              | GGGG                  |                     |                      | 175                   | 21                   |
| 06230E                      | 4721N | 2653-05457 | 00000/0000        | 2-20037/0140                 | 12/05/76                   | 0                | 9517                | 15.8            | 153.2        |              | GGGG                  |                     |                      | 172                   | 27                   |
| 06229E                      | 3022N | 2445-05375 | 00000/0000        | 2-20027/1673                 | 04/11/76                   | 0                | 6198                | 51.9            | 118.3        |              | GGGG                  |                     |                      | 168                   | 39                   |
| 06227E                      | 5556N | 2470-06094 | 00000/0000        | 2-20024/1819                 | 05/04/76                   | 20               | 6547                | 46.6            | 145.3        |              | GGGG                  |                     |                      | 176                   | 21                   |
| 06227E                      | 3018N | 2441-05365 | 00000/0000        | 2-20025/0700                 | 05/17/76                   | 0                | 6700                | 58.8            | 103.0        |              | GGGG                  |                     |                      | 168                   | 39                   |
| 06226E                      | 5557N | 2578-06065 | 00000/0000        | 2-20030/1724                 | 08/22/76                   | 60               | 8053                | 41.2            | 144.6        |              | GGGG                  |                     |                      | 175                   | 21                   |
| 06226E                      | 5022N | 2450-06007 | 00000/0000        | 2-20023/0267                 | 04/16/76                   | 90               | 6268                | 43.9            | 141.2        |              | GGGG                  |                     |                      | 173                   | 25                   |
| 06226E                      | 4715N | 2665-05491 | 00000/0000        | 2-20037/0243                 | 11/17/76                   | 60               | 9266                | 19.6            | 153.5        |              | GGGG                  |                     |                      | 172                   | 27                   |
| 06225E                      | 5020N | 2468-06000 | 00000/0000        | 2-20024/1378                 | 05/04/76                   | 0                | 6519                | 49.5            | 138.4        |              | G                     |                     |                      | 173                   | 25                   |
| 06225E                      | 3021N | 2549-05335 | 00000/0000        | 2-20037/0534                 | 09/02/76                   | 0                | 8206                | 51.1            | 118.2        |              | FGGG                  |                     |                      | 168                   | 39                   |
| 06225E                      | 3018N | 2697-05300 | 00000/0000        | 2-20038/0321                 | 12/19/76                   | 10               | 9712                | 27.0            | 144.0        |              | FFFF                  |                     |                      | 168                   | 39                   |
| 06224E                      | 5554N | 2596-06062 | 00000/0000        | 2-20032/1045                 | 09/09/76                   | 10               | 8304                | 35.5            | 148.6        |              | GGFG                  |                     |                      | 175                   | 21                   |
| 06224E                      | 5549N | 2488-06032 | 00000/0000        | 2-20025/1146                 | 05/24/76                   | 60               | 6798                | 50.5            | 142.7        |              | GGGG                  |                     |                      | 175                   | 21                   |
| 06224E                      | 3020N | 2715-05291 | 00000/0000        | 2-20038/0864                 | 01/06/77                   | 100              | 9963                | 26.5            | 142.0        |              | GGGG                  |                     |                      | 168                   | 39                   |
| 06224E                      | 3016N | 2553-05345 | 00000/0000        | 2-20030/0228                 | 07/28/76                   | 0                | 7704                | 56.1            | 101.2        |              | GGGG                  |                     |                      | 168                   | 39                   |
| 06223E                      | 5020N | 2720-05515 | 00000/0000        | 2-20038/1278                 | 01/11/77                   | 20               | 33                  | 12.6            | 150.1        |              | GGGG                  |                     |                      | 173                   | 25                   |
| 06223E                      | 3011N | 2517-05355 | 00000/0000        | 2-20027/0347                 | 06/22/76                   | 10               | 7202                | 59.0            | 94.3         |              | GGGG                  |                     |                      | 168                   | 39                   |
| 06222E                      | 5022N | 2576-05570 | 00000/0000        | 2-20030/1544                 | 08/20/76                   | 10               | 8025                | 45.2            | 137.6        |              | GGGG                  |                     |                      | 173                   | 25                   |
| 06222E                      | 3016N | 2679-05304 | 00000/0000        | 2-20036/1737                 | 12/01/76                   | 0                | 9461                | 29.4            | 145.5        |              | GGGG                  |                     |                      | 168                   | 39                   |
| 06221E                      | 5311N | 2451-06052 | 00000/0000        | 2-20023/0343                 | 04/17/76                   | 40               | 6282                | 42.5            | 144.1        |              | GGGG                  |                     |                      | 174                   | 23                   |
| 06221E                      | 5020N | 2594-05567 | 00000/0000        | 2-20032/0943                 | 09/07/76                   | 10               | 8276                | 39.9            | 142.6        |              | GGGG                  |                     |                      | 173                   | 25                   |
| 06221E                      | 5018N | 2702-05524 | 00000/0000        | 2-20038/0506                 | 12/24/76                   | 40               | 9782                | 11.8            | 152.7        |              | GGGG                  |                     |                      | 173                   | 25                   |
| 06220E                      | 6006N | 2472-06195 | 00000/0000        | 2-20024/1603                 | 05/08/76                   | 10               | 6575                | 44.3            | 150.5        |              | FGGG                  |                     |                      | 177                   | 18                   |
| 06220E                      | 5551N | 2560-06072 | 00000/0000        | 2-20030/0796                 | 08/04/76                   | 10               | 7802                | 46.2            | 141.0        |              | GGGG                  |                     |                      | 175                   | 21                   |
| 06220E                      | 5551N | 2614-06055 | 00000/0000        | 2-20034/0077                 | 09/27/76                   | 20               | 8555                | 29.3            | 152.4        |              | GGGG                  |                     |                      | 175                   | 21                   |
| 06220E                      | 5309N | 2577-06015 | 00000/0000        | 2-20030/1635                 | 08/21/76                   | 10               | 8039                | 43.3            | 141.1        |              | GGGG                  |                     |                      | 174                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANKS)=RANGE NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06220E 5309N                            | 2721-05564        | 00000/0000                   | 2-20038/0991                | 01/12/77         | 80                  | 47              | 10.6         | 151.3        | GGGG                               |                     |                      | 174                   | 23                   |
| 06220E 3012N                            | 2661-05313        | 00000/0000                   | 2-20036/0504                | 11/13/76         | 70                  | 9210            | 33.4         | 144.3        | FGGG                               |                     |                      | 168                   | 39                   |
| 06220E 3011N                            | 2373-05395        | 00000/0000                   | 2-20020/0609                | 01/30/76         | 70                  | 5194            | 30.8         | 139.5        | GGGF                               |                     |                      | 168                   | 39                   |
| 06219E 5306N                            | 2703-05573        | 00000/0000                   | 2-20038/0150                | 12/25/76         | 10                  | 9796            | 9.6          | 153.8        | FGFF                               |                     |                      | 174                   | 23                   |
| 06219E 5013N                            | 2684-05532        | 00000/0500                   | 2-20037/0341                | 12/06/76         | 10                  | 9531            | 13.4         | 154.4        | PPPP                               |                     |                      | 173                   | 25                   |
| 06219E 5010N                            | 2486-05593        | 00000/0000                   | 2-20025/1080                | 05/22/76         | 90                  | 6770            | 53.5         | 134.8        | GGGG                               |                     |                      | 173                   | 25                   |
| 06219E 3441N                            | 2464-05414        | 00000/0000                   | 2-20024/0777                | 04/30/76         | 0                   | 6463            | 55.4         | 117.2        | FGGG                               |                     |                      | 169                   | 36                   |
| 06219E 3009N                            | 2391-05393        | 00000/0000                   | 2-20020/1484                | 02/17/76         | 100                 | 5445            | 35.1         | 135.1        | GGGG                               |                     |                      | 168                   | 39                   |
| 06218E 6010N                            | 2540-06170        | 00000/0000                   | 2-20030/1815                | 08/24/76         | 50                  | 8081            | 37.8         | 149.9        | GGGG                               |                     |                      | 177                   | 18                   |
| 06218E 5546N                            | 2542-06075        | 00000/0000                   | 2-20028/1647                | 07/17/76         | 100                 | 7551            | 50.0         | 138.7        | GGGG                               |                     |                      | 175                   | 21                   |
| 06218E 5302N                            | 2685-05581        | 00000/0000                   | 2-20036/1833                | 12/07/76         | 40                  | 9545            | 11.0         | 155.7        | GGGG                               |                     |                      | 174                   | 23                   |
| 06218E 5014N                            | 2612-05560        | 00000/0000                   | 2-20032/1807                | 09/25/76         | 10                  | 8527            | 34.0         | 147.4        | GGGG                               |                     |                      | 173                   | 25                   |
| 06218E 5007N                            | 2504-05591        | 00000/0000                   | 2-20026/1031                | 06/09/76         | 10                  | 7021            | 55.3         | 131.4        | FFGG                               |                     |                      | 173                   | 25                   |
| 06218E 4313N                            | 2718-05423        | 00000/0000                   | 2-20038/0896                | 01/09/77         | 90                  | 5               | 17.6         | 147.3        | GGGG                               |                     |                      | 171                   | 30                   |
| 06218E 3442N                            | 2446-05421        | 00000/0000                   | 2-20022/1820                | 04/12/76         | 10                  | 6212            | 50.7         | 123.7        | GGGG                               |                     |                      | 169                   | 36                   |
| 06217E 5541N                            | 2506-06065        | 00000/0000                   | 2-20026/1368                | 06/11/76         | 50                  | 7049            | 52.5         | 139.9        | GGGG                               |                     |                      | 175                   | 21                   |
| 06217E 5308N                            | 2595-06013        | 00000/0000                   | 2-20032/1025                | 09/08/76         | 10                  | 8290            | 37.7         | 145.6        | GFGG                               |                     |                      | 174                   | 23                   |
| 06217E 5305N                            | 2559-06023        | 00000/0000                   | 2-20030/0634                | 08/03/76         | 20                  | 7788            | 48.0         | 137.1        | GGGG                               |                     |                      | 174                   | 23                   |
| 06217E 5302N                            | 2487-06042        | 00000/0000                   | 2-20025/1127                | 05/23/76         | 100                 | 6784            | 52.0         | 138.8        | GGGG                               |                     |                      | 174                   | 23                   |
| 06217E 5014N                            | 2558-05573        | 00000/0000                   | 2-20030/0621                | 08/02/76         | 40                  | 7774            | 49.7         | 133.1        | FFFG                               |                     |                      | 173                   | 25                   |
| 06217E 4312N                            | 2700-05432        | 00000/0000                   | 2-20037/1261                | 12/27/76         | 0                   | 9754            | 17.3         | 149.9        | GGGG                               |                     |                      | 171                   | 30                   |
| 06217E 2434N                            | 2696-05255        | 00000/0000                   | 2-20038/0089                | 12/18/76         | 20                  | 9698            | 31.0         | 141.7        | PPFF                               |                     |                      | 167                   | 43                   |
| 06217E 2434N                            | 2714-05251        | 00000/0000                   | 2-20038/0815                | 01/05/77         | 10                  | 9949            | 30.3         | 139.2        | FFFF                               |                     |                      | 167                   | 43                   |
| 06216E 5010N                            | 2540-05541        | 00000/0000                   | 2-20028/1465                | 07/16/76         | 0                   | 7523            | 53.1         | 130.2        | GGGG                               |                     |                      | 173                   | 25                   |
| 06216E 3440N                            | 2572-05385        | 00000/0000                   | 2-20030/1605                | 08/16/76         | 10                  | 7969            | 52.8         | 115.9        | GGGG                               |                     |                      | 169                   | 36                   |
| 06216E 3439N                            | 2698-05342        | 00000/0000                   | 2-20037/1220                | 12/20/76         | 50                  | 9726            | 23.8         | 146.4        | FFFF                               |                     |                      | 169                   | 36                   |
| 06216E 3438N                            | 2716-05334        | 00000/0000                   | 2-20038/0954                | 01/07/77         | 90                  | 9977            | 23.6         | 143.8        | FFFF                               |                     |                      | 169                   | 36                   |
| 06215E 5539N                            | 2524-06082        | 00000/0000                   | 2-20028/0374                | 06/29/76         | 30                  | 7300            | 52.2         | 138.3        | GGGG                               |                     |                      | 175                   | 21                   |
| 06213E 3857N                            | 2465-05461        | 00000/0000                   | 2-20024/1064                | 05/01/76         | 10                  | 6477            | 54.2         | 123.3        | FGGG                               |                     |                      | 170                   | 33                   |
| 06214E 5005N                            | 2522-05554        | 00000/0000                   | 2-20028/0180                | 06/27/76         | 10                  | 7272            | 55.1         | 129.5        | GGGG                               |                     |                      | 173                   | 25                   |
| 06214E 3431N                            | 2500-05405        | 00000/0000                   | 2-20026/0836                | 06/05/76         | 0                   | 6965            | 59.6         | 104.6        | FFFF                               |                     |                      | 169                   | 36                   |
| 06213E 5256N                            | 2541-06030        | 00000/0000                   | 2-20026/1541                | 07/16/76         | 80                  | 7537            | 51.6         | 134.5        | GGGG                               |                     |                      | 174                   | 23                   |
| 06213E 5255N                            | 2505-06040        | 00000/0000                   | 2-20026/1307                | 06/10/76         | 10                  | 7023            | 54.0         | 135.7        | GGGG                               |                     |                      | 174                   | 23                   |
| 06213E 4307N                            | 2682-05440        | 00000/0000                   | 2-20037/0009                | 12/04/76         | 0                   | 9503            | 19.3         | 151.4        | PPPP                               |                     |                      | 171                   | 30                   |
| 06213E 3857N                            | 2699-05385        | 00000/0000                   | 2-20037/1171                | 12/21/76         | 40                  | 9740            | 20.6         | 148.2        | FFFG                               |                     |                      | 170                   | 33                   |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER % | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                  |                  |                  |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 06213E                      | 3436N             | 2630-05351            | 00000/0000           | 2-20036/1797     | 12/02/76         | 10              | 9475         | 26.1         | 147.6                 | FFFG                |                      | 169                   | 36                   |
| 06213E                      | 3430N             | 2536-05395            | 00000/0000           | 2-20028/1035     | 07/11/76         | 0               | 7467         | 57.7         | 103.6                 | GGGG                |                      | 169                   | 36                   |
| 06212E                      | 5256N             | 2667-05590            | 00000/0000           | 2-20036/1003     | 11/19/76         | 20              | 9294         | 14.5         | 156.4                 | FFFF                |                      | 174                   | 23                   |
| 06212E                      | 2430N             | 2660-05272            | 00000/0000           | 2-20036/0375     | 11/12/76         | 20              | 9196         | 37.6         | 140.6                 | GGGG                |                      | 167                   | 43                   |
| 06211E                      | 4301N             | 2664-05445            | 00000/0000           | 2-20036/0799     | 11/16/76         | 0               | 9252         | 23.1         | 151.4                 | FGFG                |                      | 171                   | 30                   |
| 06211E                      | 3856N             | 2717-05381            | 00000/0000           | 2-20038/1072     | 01/08/77         | 90              | 9991         | 20.6         | 145.6                 | GGGG                |                      | 170                   | 33                   |
| 06211E                      | 3429N             | 2374-05442            | 00000/0000           | 2-20020/0694     | 01/31/76         | 50              | 5208         | 28.2         | 141.7                 | GGGG                |                      | 169                   | 36                   |
| 06210E                      | 5253N             | 2523-06037            | 00000/0000           | 2-20028/0312     | 06/28/76         | 80              | 7286         | 53.7         | 134.0                 | GGGG                |                      | 174                   | 23                   |
| 06210E                      | 3852N             | 2681-05394            | 00000/0000           | 2-20037/0057     | 12/03/76         | 30              | 9489         | 22.7         | 149.5                 | GGGG                |                      | 170                   | 33                   |
| 06210E                      | 3430N             | 2662-05355            | 00000/0000           | 2-20036/0592     | 11/14/76         | 0               | 9224         | 30.1         | 146.9                 | FGGG                |                      | 169                   | 36                   |
| 06209E                      | 3848N             | 2501-05452            | 00000/0000           | 2-20026/0875     | 06/06/76         | 10              | 6979         | 59.0         | 112.3                 | FGGG                |                      | 170                   | 33                   |
| 06209E                      | 3846N             | 2519-05445            | 00000/0000           | 2-20027/0460     | 06/24/76         | 0               | 7230         | 58.7         | 109.9                 | GGGG                |                      | 170                   | 33                   |
| 06209E                      | 3428N             | 2644-05354            | 00000/0000           | 2-20035/0032     | 10/27/76         | 50              | 8973         | 35.0         | 144.0                 | GGGG                |                      | 169                   | 36                   |
| 06208E                      | 5955N             | 2544-06180            | 00000/0000           | 2-20028/1900     | 07/19/76         | 80              | 7579         | 47.1         | 144.9                 | GGGG                |                      | 177                   | 18                   |
| 06208E                      | 5952N             | 2508-06190            | 00000/0000           | 2-20026/1440     | 06/13/76         | 50              | 7077         | 50.0         | 146.1                 | GGGG                |                      | 177                   | 18                   |
| 06208E                      | 3424N             | 2392-05435            | 00000/0000           | 2-20020/1668     | 02/18/76         | 10              | 5459         | 32.8         | 137.7                 | FGGG                |                      | 169                   | 36                   |
| 06207E                      | 3846N             | 2663-05472            | 00000/0000           | 2-20036/0637     | 11/15/76         | 10              | 9238         | 26.6         | 149.2                 | FGFF                |                      | 170                   | 33                   |
| 06204E                      | 5952N             | 2526-06183            | 00000/0000           | 2-20028/0434     | 07/01/76         | 30              | 7328         | 49.6         | 144.7                 | GGFG                |                      | 177                   | 18                   |
| 06204E                      | 2854N             | 2463-05374            | 00000/0000           | 2-20024/0932     | 04/29/76         | 0               | 6449         | 56.5         | 108.4                 | GGGG                |                      | 168                   | 40                   |
| 06203E                      | 2852N             | 2431-05371            | 00000/0000           | 2-20025/0701     | 05/17/76         | 10              | 6700         | 58.8         | 100.4                 | GGGG                |                      | 168                   | 40                   |
| 06201E                      | 2854N             | 2589-05341            | 00000/0000           | 2-20032/0535     | 09/02/76         | 0               | 8206         | 51.5         | 116.3                 | GGGF                |                      | 168                   | 40                   |
| 06201E                      | 2852N             | 2697-05302            | 00000/0000           | 2-20038/0322     | 12/19/76         | 30              | 9712         | 28.0         | 143.8                 | FFFF                |                      | 168                   | 40                   |
| 06201E                      | 2850N             | 2427-05385            | 00000/0000           | 2-20022/0543     | 03/24/76         | 20              | 5947         | 47.0         | 123.2                 | GGGG                |                      | 168                   | 40                   |
| 06200E                      | 2853N             | 2715-05294            | 00000/0000           | 2-20038/0865     | 01/06/77         | 90              | 9963         | 27.5         | 141.3                 | GGGG                |                      | 168                   | 40                   |
| 06200E                      | 2850N             | 2553-05352            | 00000/0000           | 2-20030/0229     | 07/28/76         | 0               | 7704         | 56.1         | 98.9                  | GGGG                |                      | 168                   | 40                   |
| 06159E                      | 2845N             | 2517-05362            | 00000/0000           | 2-20027/0348     | 06/22/76         | 10              | 7202         | 58.8         | 91.7                  | GGGG                |                      | 168                   | 40                   |
| 06158E                      | 2850N             | 2679-05311            | 00000/0000           | 2-20036/1738     | 12/01/76         | 0               | 9461         | 30.5         | 144.7                 | GGGG                |                      | 168                   | 40                   |
| 06157E                      | 2848N             | 2643-05323            | 00000/0000           | 2-20035/0121     | 10/26/76         | 0               | 8959         | 39.1         | 139.9                 | GGFG                |                      | 168                   | 40                   |
| 06156E                      | 2847N             | 2651-05315            | 00000/0000           | 2-20036/0505     | 11/13/76         | 10              | 9210         | 34.4         | 143.5                 | GGGG                |                      | 168                   | 40                   |
| 06156E                      | 2845N             | 2373-05401            | 00000/0000           | 2-20020/0610     | 01/30/76         | 70              | 5194         | 31.7         | 138.6                 | GGGF                |                      | 168                   | 40                   |
| 06155E                      | 2308N             | 2696-05262            | 00000/0000           | 2-20038/0090     | 12/18/76         | 80              | 9698         | 32.0         | 140.9                 | GGFF                |                      | 167                   | 44                   |
| 06154E                      | 4556N             | 2683-05435            | 00000/0000           | 2-20037/0141     | 12/05/76         | 0               | 9517         | 16.9         | 152.6                 | GGGG                |                      | 172                   | 28                   |
| 06154E                      | 2843N             | 2391-05395            | 00000/0000           | 2-20020/1425     | 02/17/76         | 60              | 5445         | 35.9         | 134.1                 | GGGG                |                      | 168                   | 40                   |
| 06154E                      | 2307N             | 2714-05254            | 00000/0000           | 2-20038/0816     | 01/05/77         | 10              | 9949         | 31.2         | 138.4                 | FF F                |                      | 167                   | 44                   |
| 06153E                      | 3315N             | 2464-05421            | 00000/0000           | 2-20024/0778     | 04/30/76         | 0               | 6463         | 55.8         | 115.0                 | GGGG                |                      | 169                   | 37                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN. H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06153E 2306N                            | 2678-05271        | 00000/0000                   | 2-20036/1635                | 11/30/76         | 10                  | 9447            | 34.6         | 141.5        | FGGF                               |                     |                      | 167                   | 44                   |
| 06151E 5723N                            | 2579-06120        | 00000/0000                   | 2-20032/0324                | 08/23/76         | 50                  | 8067            | 40.0         | 146.4        | GGGG                               |                     |                      | 176                   | 20                   |
| 06151E 5718N                            | 2471-06150        | 00000/0000                   | 2-20024/1685                | 05/07/76         | 40                  | 6561            | 45.9         | 146.9        | GGGG                               |                     |                      | 176                   | 20                   |
| 06151E 4551N                            | 2665-05494        | 00000/0000                   | 2-20037/0244                | 11/17/76         | 30                  | 9266            | 20.7         | 152.8        | GGGG                               |                     |                      | 172                   | 28                   |
| 06150E 3315N                            | 2572-05391        | 00000/0000                   | 2-20030/1606                | 08/16/76         | 10                  | 7969            | 53.2         | 113.8        | GGGG                               |                     |                      | 169                   | 37                   |
| 06150E 3312N                            | 2716-05340        | 00000/0000                   | 2-20038/0955                | 01/07/77         | 90                  | 9977            | 24.6         | 143.2        | FFFF                               |                     |                      | 169                   | 37                   |
| 06150E 3310N                            | 2428-05431        | 00000/0000                   | 2-20022/0458                | 03/25/76         | 90                  | 5961            | 45.5         | 127.6        | GGGG                               |                     |                      | 169                   | 37                   |
| 06150E 2304N                            | 2660-05275        | 00000/0000                   | 2-20036/0376                | 11/12/76         | 10                  | 9196            | 38.5         | 139.6        | GGGG                               |                     |                      | 167                   | 44                   |
| 06149E 6922N                            | 2497-06563        | 00000/0000                   | 2-20026/0619                | 06/02/76         | 90                  | 6924            | 42.2         | 163.2        | GGGG                               |                     |                      | 184                   | 11                   |
| 06149E 4148N                            | 2466-05510        | 00000/0000                   | 2-20024/1569                | 05/02/76         | 0                   | 6491            | 53.3         | 127.2        | GGGG                               |                     |                      | 171                   | 31                   |
| 06149E 3306N                            | 2500-05411        | 00000/0000                   | 2-20026/0837                | 06/05/76         | 0                   | 6985            | 59.6         | 101.9        | GGGG                               |                     |                      | 169                   | 37                   |
| 06148E 4151N                            | 2448-05513        | 00000/0000                   | 2-20023/0201                | 04/14/76         | 70                  | 6240            | 48.1         | 131.9        | GGGF                               |                     |                      | 171                   | 31                   |
| 06148E 4148N                            | 2430-05521        | 00000/0000                   | 2-20022/0724                | 03/27/76         | 10                  | 5989            | 41.8         | 135.7        | GGGF                               |                     |                      | 171                   | 31                   |
| 06148E 3735N                            | 2447-05470        | 00000/0000                   | 2-20023/0088                | 04/13/76         | 0                   | 6226            | 49.8         | 127.0        | GGGG                               |                     |                      | 170                   | 34                   |
| 06147E 5717N                            | 2561-06124        | 00000/0000                   | 2-20030/0858                | 08/05/76         | 10                  | 7816            | 45.1         | 143.0        | FGGG                               |                     |                      | 176                   | 20                   |
| 06147E 4857N                            | 2450-06005        | 00000/0000                   | 2-20023/0268                | 04/16/76         | 90                  | 6268            | 44.8         | 139.6        | GGGG                               |                     |                      | 173                   | 26                   |
| 06147E 4855N                            | 2468-06000        | 00000/0000                   | 2-20024/1379                | 05/04/76         | 0                   | 6519            | 50.3         | 136.5        | FGGG                               |                     |                      | 173                   | 26                   |
| 06147E 4148N                            | 2718-05430        | 00000/0000                   | 2-20038/0897                | 01/09/77         | 80                  | 5               | 18.7         | 146.7        | GGGG                               |                     |                      | 171                   | 31                   |
| 06147E 3731N                            | 2465-05463        | 00000/0000                   | 2-20024/1065                | 05/01/76         | 0                   | 6477            | 54.8         | 121.2        | FGGG                               |                     |                      | 170                   | 34                   |
| 06147E 3310N                            | 2680-05353        | 00000/0000                   | 2-20036/1798                | 12/02/76         | 10                  | 9475            | 27.2         | 146.9        | PPPG                               |                     |                      | 169                   | 37                   |
| 06147E 3305N                            | 2536-05402        | 00000/0000                   | 2-20028/1036                | 07/11/76         | 0                   | 7467            | 57.8         | 101.1        | GGGG                               |                     |                      | 169                   | 37                   |
| 06146E 4147N                            | 2700-05434        | 00000/0000                   | 2-20037/1262                | 12/22/76         | 10                  | 9754            | 18.4         | 149.3        | GGFG                               |                     |                      | 171                   | 31                   |
| 06146E 3304N                            | 2410-05435        | 00000/0000                   | 2-20021/1244                | 03/07/76         | 90                  | 5710            | 39.4         | 132.4        | GGGG                               |                     |                      | 169                   | 37                   |
| 06145E 3731N                            | 2699-05391        | 00000/0000                   | 2-20037/1172                | 12/21/76         | 70                  | 9740            | 21.6         | 147.6        | GGFG                               |                     |                      | 170                   | 34                   |
| 06145E 3304N                            | 2374-05444        | 00000/0000                   | 2-20020/0695                | 01/31/76         | 30                  | 5208            | 29.1         | 140.9        | GGGG                               |                     |                      | 169                   | 37                   |
| 06144E 5708N                            | 2525-06134        | 00000/0000                   | 2-20028/0485                | 06/30/76         | 40                  | 7314            | 51.3         | 140.5        | GGGG                               |                     |                      | 176                   | 20                   |
| 06144E 4855N                            | 2720-05522        | 00000/0000                   | 2-20038/1279                | 01/11/77         | 20                  | 33              | 13.7         | 149.5        | GGGG                               |                     |                      | 173                   | 26                   |
| 06144E 3731N                            | 2573-05434        | 00000/0000                   | 2-20030/1379                | 08/17/76         | 0                   | 7923            | 51.8         | 120.3        | GGGG                               |                     |                      | 170                   | 34                   |
| 06144E 3305N                            | 2662-05362        | 00000/0000                   | 2-20036/0593                | 11/14/76         | 0                   | 9224            | 31.1         | 146.1        | GGGG                               |                     |                      | 169                   | 37                   |
| 06143E 4853N                            | 2702-05530        | 00000/0000                   | 2-20038/0507                | 12/24/76         | 0                   | 9782            | 12.9         | 152.0        | GGGG                               |                     |                      | 173                   | 26                   |
| 06143E 3730N                            | 2717-05389        | 00000/0000                   | 2-20038/1073                | 01/08/77         | 90                  | 9991            | 21.6         | 144.9        | GGGG                               |                     |                      | 170                   | 34                   |
| 06143E 3302N                            | 2644-05370        | 00000/0000                   | 2-20035/0083                | 10/27/76         | 60                  | 8973            | 36.0         | 143.1        | GGGG                               |                     |                      | 169                   | 37                   |
| 06142E 5709N                            | 2543-06131        | 00000/0000                   | 2-20028/1855                | 07/18/76         | 90                  | 7565            | 49.0         | 140.8        | GGFG                               |                     |                      | 176                   | 20                   |
| 06142E 5436N                            | 2452-06104        | 00000/0000                   | 2-20023/0387                | 04/18/76         | 10                  | 6296            | 41.9         | 145.6        | GGGG                               |                     |                      | 175                   | 22                   |
| 06142E 4139N                            | 2502-05501        | 00000/0000                   | 2-20026/0947                | 06/07/76         | 0                   | 6993            | 58.4         | 117.2        | FFFF                               |                     |                      | 171                   | 31                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06142E 4137N                            | 2412-05524        | 00000/0000                   | 2-20021/1359                | 03/09/76         | 30                  | 5738            | 35.2         | 138.8        | GGGF                               |                     |                      | 171                   | 31                   |
| 06142E 3723N                            | 2501-05454        | 00000/0000                   | 2-20026/0876                | 06/06/76         | 10                  | 6979            | 59.3         | 109.7        | GGGG                               |                     |                      | 170                   | 34                   |
| 06142E 3259N                            | 2392-05442        | 00000/0000                   | 2-20020/1669                | 02/18/76         | 80                  | 5459            | 33.7         | 136.8        | FGGG                               |                     |                      | 169                   | 37                   |
| 06141E 5707N                            | 2507-06141        | 00000/0000                   | 2-20026/1397                | 06/12/76         | 20                  | 7063            | 51.7         | 142.0        | GGGG                               |                     |                      | 176                   | 20                   |
| 06141E 4848N                            | 2684-05535        | 00000/0000                   | 2-20037/0342                | 12/06/76         | 0                   | 9531            | 14.5         | 153.8        | PPPP                               |                     |                      | 173                   | 24                   |
| 06141E 4142N                            | 2682-05443        | 00000/0000                   | 2-20037/0010                | 12/04/76         | 20                  | 9503            | 20.4         | 150.8        | FPPG                               |                     |                      | 171                   | 31                   |
| 06141E 3726N                            | 2681-05400        | 00000/0000                   | 2-20037/0058                | 12/03/76         | 0                   | 9489            | 23.8         | 148.9        | GGGG                               |                     |                      | 170                   | 34                   |
| 06141E 3721N                            | 2519-05451        | 00000/0000                   | 2-20027/0461                | 06/24/76         | 0                   | 7230            | 58.9         | 107.3        | GGGG                               |                     |                      | 170                   | 34                   |
| 06140E 4849N                            | 2558-05580        | 00000/0000                   | 2-20030/0622                | 08/02/76         | 50                  | 7774            | 50.4         | 131.1        | GGGG                               |                     |                      | 173                   | 26                   |
| 06140E 4843N                            | 2504-05593        | 00000/0000                   | 2-20024/1092                | 06/09/76         | 10                  | 7021            | 56.0         | 129.1        | FFGG                               |                     |                      | 173                   | 26                   |
| 06140E 4136N                            | 2664-05451        | 00000/0000                   | 2-20036/0800                | 11/16/76         | 0                   | 9252            | 24.2         | 150.7        | FGFF                               |                     |                      | 171                   | 31                   |
| 06140E 4135N                            | 2510-05494        | 00000/0000                   | 2-20028/0063                | 06/25/76         | 10                  | 7244            | 58.1         | 115.0        | GGGG                               |                     |                      | 171                   | 31                   |
| 06140E 2728N                            | 2463-05380        | 00000/0000                   | 2-20024/0983                | 04/29/76         | 0                   | 6449            | 56.7         | 106.1        | GGGG                               |                     |                      | 168                   | 41                   |
| 06140E 2725N                            | 2481-05374        | 00000/0000                   | 2-20025/0702                | 05/17/76         | 10                  | 6700            | 58.8         | 97.8         | GGGG                               |                     |                      | 168                   | 41                   |
| 06139E 5434N                            | 2722-06020        | 00000/0000                   | 2-20038/1340                | 01/13/77         | 20                  | 61              | 9.7          | 151.9        | GGGG                               |                     |                      | 175                   | 22                   |
| 06139E 5431N                            | 2470-06101        | 00000/0000                   | 2-20024/1661                | 05/06/76         | 10                  | 6547            | 47.5         | 143.5        | FGGG                               |                     |                      | 175                   | 22                   |
| 06139E 3722N                            | 2393-05484        | 00000/0000                   | 2-20021/0154                | 02/19/76         | 10                  | 5473            | 31.3         | 139.4        | FGGG                               |                     |                      | 170                   | 34                   |
| 06139E 3722N                            | 2609-05424        | 00000/0000                   | 2-20032/1668                | 09/22/76         | 0                   | 8485            | 43.3         | 135.3        | GGGG                               |                     |                      | 170                   | 34                   |
| 06139E 3721N                            | 2663-05405        | 00000/0000                   | 2-20036/0688                | 11/13/76         | 10                  | 9238            | 27.7         | 148.5        | FFGG                               |                     |                      | 170                   | 34                   |
| 06139E 3717N                            | 2375-05491        | 00000/0000                   | 2-20020/0764                | 02/01/76         | 90                  | 5222            | 26.5         | 143.0        | GGGG                               |                     |                      | 170                   | 34                   |
| 06138E 5433N                            | 2578-06071        | 00000/0000                   | 2-20030/1725                | 08/22/76         | 40                  | 8053            | 42.1         | 143.0        | GGGG                               |                     |                      | 175                   | 22                   |
| 06138E 5147N                            | 2451-06055        | 00000/0000                   | 2-20023/0344                | 04/17/76         | 80                  | 6282            | 43.4         | 142.6        | GGGG                               |                     |                      | 174                   | 24                   |
| 06138E 5144N                            | 2433-06062        | 00000/0000                   | 2-20022/1268                | 03/30/76         | 0                   | 6031            | 36.8         | 144.5        | FGGG                               |                     |                      | 174                   | 24                   |
| 06138E 4845N                            | 2540-05583        | 00000/0000                   | 2-20028/1466                | 07/15/76         | 0                   | 7523            | 53.7         | 128.0        | GGGG                               |                     |                      | 173                   | 26                   |
| 06137E 5425N                            | 2488-06094        | 00000/0000                   | 2-20025/1147                | 05/24/76         | 70                  | 6798            | 51.4         | 140.7        | GGGG                               |                     |                      | 175                   | 22                   |
| 06137E 5145N                            | 2577-06022        | 00000/0000                   | 2-20030/1636                | 08/21/76         | 10                  | 8039            | 44.1         | 139.8        | GGGG                               |                     |                      | 174                   | 24                   |
| 06137E 5144N                            | 2721-05571        | 00000/0000                   | 2-20038/0992                | 01/12/77         | 70                  | 47              | 11.7         | 150.6        | FGGG                               |                     |                      | 174                   | 24                   |
| 06137E 5142N                            | 2703-05575        | 00000/0000                   | 2-20038/0151                | 12/25/76         | 10                  | 9796            | 10.7         | 153.2        | GGFG                               |                     |                      | 174                   | 24                   |
| 06137E 2728N                            | 2589-05344        | 00000/0000                   | 2-20032/0536                | 09/02/76         | 0                   | 8206            | 51.9         | 114.4        | GGG                                |                     |                      | 168                   | 41                   |
| 06137E 2727N                            | 2715-05300        | 00000/0000                   | 2-20038/0866                | 01/06/77         | 60                  | 9963            | 28.4         | 140.5        | GGGG                               |                     |                      | 168                   | 41                   |
| 06137E 2726N                            | 2697-05305        | 00000/0000                   | 2-20038/0323                | 12/19/76         | 30                  | 9712            | 29.0         | 143.1        | FGGF                               |                     |                      | 168                   | 41                   |
| 06137E 2723N                            | 2553-05354        | 00000/0000                   | 2-20030/0230                | 07/28/76         | 10                  | 7704            | 56.0         | 96.6         | GGGG                               |                     |                      | 168                   | 41                   |
| 06136E 5430N                            | 2596-06064        | 00000/0000                   | 2-20032/0727                | 09/09/76         | 70                  | 8304            | 36.5         | 147.2        | FFGG                               |                     |                      | 175                   | 22                   |
| 06136E 4840N                            | 2522-05590        | 00000/0000                   | 2-20028/0181                | 06/27/76         | 10                  | 7272            | 55.7         | 127.2        | GGGG                               |                     |                      | 173                   | 26                   |
| 06136E 2724N                            | 2427-05391        | 00000/0000                   | 2-20022/0544                | 03/24/76         | 80                  | 5947            | 47.6         | 121.6        | GGGG                               |                     |                      | 168                   | 41                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANOSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06136E 2719N                            | 2517-05364        | 00000/0000                   | 2-20027/0349                | 06/22/76         | 0                   | 7202            | 58.6         | 89.2         | GGGG                               |                     |                      | 168                   | 41                   |
| 06135E 5425N                            | 2686-06033        | 00000/0000                   | 2-20037/0453                | 12/08/76         | 10                  | 9559            | 9.8          | 156.3        | FGGG                               |                     |                      | 175                   | 22                   |
| 06135E 2723N                            | 2679-05313        | 00000/0000                   | 2-20036/1739                | 12/01/76         | 0                   | 9461            | 31.5         | 144.0        | GGGG                               |                     |                      | 168                   | 41                   |
| 06134E 5143N                            | 2595-06015        | 00000/0000                   | 2-20032/1026                | 09/08/76         | 10                  | 8290            | 38.7         | 144.3        | GGGG                               |                     |                      | 174                   | 24                   |
| 06134E 5138N                            | 2685-05584        | 00000/0000                   | 2-20036/1834                | 12/07/76         | 10                  | 9545            | 12.1         | 155.0        | GGGG                               |                     |                      | 174                   | 24                   |
| 06134E 5137N                            | 2487-06045        | 00000/0000                   | 2-20025/1128                | 05/23/76         | 100                 | 6784            | 52.8         | 136.7        | GGGG                               |                     |                      | 174                   | 24                   |
| 06133E 5427N                            | 2560-06074        | 00000/0000                   | 2-20030/0797                | 08/04/76         | 10                  | 7802            | 47.0         | 139.1        | GGGG                               |                     |                      | 175                   | 22                   |
| 06133E 2723N                            | 2643-05330        | 00000/0000                   | 2-20035/0122                | 10/26/76         | 30                  | 8959            | 40.0         | 138.8        | GGGG                               |                     |                      | 168                   | 41                   |
| 06132E 5427N                            | 2614-06061        | 00000/0000                   | 2-20034/0078                | 09/27/76         | 10                  | 8555            | 30.3         | 151.2        | GGGG                               |                     |                      | 175                   | 22                   |
| 06132E 2721N                            | 2661-05322        | 00000/0000                   | 2-20036/0506                | 11/13/76         | 0                   | 9210            | 35.4         | 142.6        | GGGG                               |                     |                      | 168                   | 41                   |
| 06132E 2719N                            | 2373-05404        | 00000/0000                   | 2-20020/0611                | 01/30/76         | 60                  | 5194            | 32.6         | 137.8        | GGGG                               |                     |                      | 168                   | 41                   |
| 06131E 5422N                            | 2542-06082        | 00000/0000                   | 2-20028/1648                | 07/17/76         | 90                  | 7551            | 50.7         | 136.7        | FGGG                               |                     |                      | 173                   | 22                   |
| 06131E 5419N                            | 2668-06041        | 00000/0000                   | 2-20036/1040                | 11/20/76         | 10                  | 9308            | 13.2         | 157.1        | GGFP                               |                     |                      | 175                   | 22                   |
| 06131E 5133N                            | 2541-06032        | 00000/0000                   | 2-20028/1542                | 07/16/76         | 60                  | 7537            | 52.3         | 132.4        | GGGG                               |                     |                      | 174                   | 24                   |
| 06131E 5130N                            | 2505-06042        | 00000/0000                   | 2-20026/1308                | 06/10/76         | 10                  | 7035            | 54.7         | 133.5        | GGGG                               |                     |                      | 174                   | 24                   |
| 06130E 5417N                            | 2506-06092        | 00000/0000                   | 2-20026/1369                | 06/11/76         | 70                  | 7049            | 53.3         | 137.8        | GGGG                               |                     |                      | 175                   | 22                   |
| 06130E 2717N                            | 2391-05402        | 00000/0000                   | 2-20020/1486                | 02/17/76         | 40                  | 5445            | 36.7         | 133.0        | GGGG                               |                     |                      | 168                   | 41                   |
| 06129E 5132N                            | 2667-05592        | 00000/0000                   | 2-20036/1004                | 11/19/76         | 10                  | 9294            | 15.7         | 155.6        | GGGF                               |                     |                      | 174                   | 24                   |
| 06128E 5415N                            | 2524-06085        | 00000/0000                   | 2-20028/0375                | 06/29/76         | 40                  | 7300            | 53.0         | 136.1        | GGGG                               |                     |                      | 175                   | 22                   |
| 06128E 5129N                            | 2523-06040        | 00000/0000                   | 2-20028/0313                | 06/28/76         | 50                  | 7286            | 54.4         | 131.7        | GGGG                               |                     |                      | 174                   | 24                   |
| 06128E 3149N                            | 2464-05423        | 00000/0000                   | 2-20024/0779                | 04/30/76         | 0                   | 6463            | 56.2         | 112.7        | GGGG                               |                     |                      | 169                   | 38                   |
| 06126E 4439N                            | 2719-05475        | 00000/0000                   | 2-20038/1181                | 01/10/77         | 90                  | 19              | 16.7         | 147.7        | PPPP                               |                     |                      | 172                   | 29                   |
| 06125E 5850N                            | 2454-06205        | 00000/0000                   | 2-20024/0082                | 04/20/76         | 60                  | 6324            | 39.7         | 150.3        | GGGG                               |                     |                      | 177                   | 19                   |
| 06125E 3149N                            | 2572-05394        | 00000/0000                   | 2-20030/1607                | 08/16/76         | 10                  | 7969            | 53.5         | 111.7        | GGGG                               |                     |                      | 169                   | 38                   |
| 06125E 3144N                            | 2428-05434        | 00000/0000                   | 2-20022/0459                | 03/25/76         | 90                  | 5961            | 46.1         | 126.0        | GGGG                               |                     |                      | 169                   | 38                   |
| 06124E 3147N                            | 2698-05351        | 00000/0000                   | 2-20037/1221                | 12/20/76         | 40                  | 9726            | 25.8         | 145.1        | GGGF                               |                     |                      | 169                   | 38                   |
| 06124E 3145N                            | 2716-05343        | 00000/0000                   | 2-20038/0956                | 01/07/77         | 100                 | 9977            | 25.6         | 142.5        | GGGG                               |                     |                      | 169                   | 38                   |
| 06124E 3141N                            | 2500-05414        | 00000/0000                   | 2-20026/0838                | 06/05/76         | 0                   | 6965            | 59.6         | 99.3         | GGGG                               |                     |                      | 169                   | 38                   |
| 06122E 5843N                            | 2472-06202        | 00000/0000                   | 2-20024/1604                | 05/08/76         | 10                  | 6575            | 45.2         | 148.7        | PGGG                               |                     |                      | 177                   | 19                   |
| 06122E 3139N                            | 2536-05404        | 00000/0000                   | 2-20028/1037                | 07/11/76         | 10                  | 7467            | 57.7         | 98.6         | GGGG                               |                     |                      | 169                   | 38                   |
| 06121E 3144N                            | 2680-05360        | 00000/0000                   | 2-20036/1799                | 12/02/76         | 0                   | 9475            | 28.2         | 146.2        | PPPG                               |                     |                      | 169                   | 38                   |
| 06120E 4431N                            | 2683-05492        | 00000/0000                   | 2-20037/0142                | 12/05/76         | 10                  | 9517            | 18.0         | 152.0        | FGGG                               |                     |                      | 172                   | 29                   |
| 06120E 3609N                            | 2447-05473        | 00000/0000                   | 2-20023/0089                | 04/13/76         | 0                   | 6226            | 50.4         | 125.2        | GGFG                               |                     |                      | 170                   | 35                   |
| 06120E 3606N                            | 2465-05470        | 00000/0000                   | 2-20024/1066                | 05/01/76         | 0                   | 6477            | 55.2         | 119.0        | GGGG                               |                     |                      | 170                   | 35                   |
| 06120E 3138N                            | 2410-05441        | 00000/0000                   | 2-20021/1245                | 03/07/76         | 80                  | 5710            | 40.1         | 131.2        | GGGG                               |                     |                      | 169                   | 38                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06119E 5848N                            | 2580-06172        | 00000/0000                   | 2-20030/1816                | 08/24/76         | 50                  | 8081            | 38.7         | 148.2        | GGGG                               |                     |                      | 177                   | 19                   |
| 06119E 4022N                            | 2466-05513        | 00000/0000                   | 2-20024/1570                | 05/02/76         | 10                  | 6491            | 53.9         | 125.1        | GGGG                               |                     |                      | 171                   | 32                   |
| 06119E 3139N                            | 2662-05364        | 00000/0000                   | 2-20036/0594                | 11/14/76         | 0                   | 9224            | 32.1         | 145.3        | GGGG                               |                     |                      | 169                   | 38                   |
| 06119E 3138N                            | 2374-05451        | 00000/0000                   | 2-20020/0696                | 01/31/76         | 30                  | 5208            | 30.1         | 140.1        | GGGG                               |                     |                      | 169                   | 38                   |
| 06118E 5842N                            | 2436-06217        | 00000/0000                   | 2-20022/1346                | 04/02/76         | 20                  | 6073            | 33.1         | 151.0        | GGGG                               |                     |                      | 177                   | 19                   |
| 06118E 4426N                            | 2665-05500        | 00000/0000                   | 2-20037/0245                | 11/17/76         | 30                  | 9266            | 21.8         | 152.1        | GGGG                               |                     |                      | 172                   | 29                   |
| 06118E 4025N                            | 2448-05520        | 00000/0000                   | 2-20023/0202                | 04/14/76         | 80                  | 6240            | 48.8         | 130.2        | GGGF                               |                     |                      | 171                   | 32                   |
| 06118E 4022N                            | 2430-05523        | 00000/0000                   | 2-20027/0725                | 03/27/76         | 50                  | 5989            | 42.6         | 134.3        | FGFF                               |                     |                      | 171                   | 32                   |
| 06118E 3136N                            | 2644-05373        | 00000/0000                   | 2-20035/0084                | 10/27/76         | 40                  | 8973            | 36.9         | 142.1        | GGGG                               |                     |                      | 169                   | 38                   |
| 06117E 4022N                            | 2718-05432        | 00000/0000                   | 2-20038/0898                | 01/09/77         | 80                  | 5               | 19.7         | 146.0        | FGGG                               |                     |                      | 171                   | 32                   |
| 06117E 3605N                            | 2699-05394        | 00000/0000                   | 2-20037/1173                | 12/21/76         | 90                  | 9740            | 22.7         | 147.0        | FGGG                               |                     |                      | 170                   | 35                   |
| 06117E 3604N                            | 2555-05444        | 00000/0000                   | 2-20030/0422                | 07/30/76         | 10                  | 7732            | 55.2         | 111.2        | GGGG                               |                     |                      | 170                   | 35                   |
| 06116E 5841N                            | 2598-06165        | 00000/0000                   | 2-20037/1152                | 09/11/76         | 100                 | 8332            | 32.8         | 151.7        | GGGG                               |                     |                      | 177                   | 19                   |
| 06116E 5834N                            | 2490-06135        | 00000/0000                   | 2-20026/0161                | 05/26/76         | 70                  | 6826            | 49.1         | 146.4        | FGGG                               |                     |                      | 177                   | 19                   |
| 06116E 4021N                            | 2700-05441        | 00000/0000                   | 2-20037/1263                | 12/22/76         | 30                  | 9754            | 19.4         | 148.7        | GGGG                               |                     |                      | 171                   | 32                   |
| 06116E 3134N                            | 2392-05444        | 00000/0000                   | 2-20020/1670                | 02/18/76         | 100                 | 5459            | 34.5         | 135.8        | FGFG                               |                     |                      | 169                   | 38                   |
| 06116E 2558N                            | 2481-05380        | 00000/0000                   | 2-20025/0703                | 05/17/76         | 10                  | 6700            | 58.7         | 95.3         | GGGG                               |                     |                      | 168                   | 42                   |
| 06115E 3604N                            | 2717-05390        | 00000/0000                   | 2-20038/1074                | 01/02/77         | 90                  | 9991            | 22.6         | 144.3        | GGGG                               |                     |                      | 170                   | 35                   |
| 06115E 3558N                            | 2501-05461        | 00000/0000                   | 2-20026/0877                | 06/06/76         | 10                  | 6979            | 59.5         | 107.0        | FGGG                               |                     |                      | 170                   | 35                   |
| 06115E 2601N                            | 2571-05353        | 00000/0000                   | 2-20030/1331                | 08/15/76         | 90                  | 7955            | 54.3         | 102.6        | GGGG                               |                     |                      | 168                   | 42                   |
| 06114E 3601N                            | 2681-05403        | 00000/0000                   | 2-20037/0059                | 12/03/76         | 0                   | 9489            | 24.9         | 148.2        | GGGG                               |                     |                      | 170                   | 35                   |
| 06114E 3555N                            | 2519-05454        | 00000/0000                   | 2-20027/0462                | 06/24/76         | 0                   | 7230            | 59.0         | 104.7        | GGGG                               |                     |                      | 170                   | 35                   |
| 06114E 2557N                            | 2553-05361        | 00000/0000                   | 2-20030/0231                | 07/28/76         | 50                  | 7704            | 55.9         | 94.3         | GGGG                               |                     |                      | 168                   | 42                   |
| 06113E 4013N                            | 2502-05503        | 00000/0000                   | 2-20026/0948                | 06/07/76         | 10                  | 6993            | 58.8         | 114.7        | FGGF                               |                     |                      | 171                   | 32                   |
| 06113E 2601N                            | 2715-05303        | 00000/0000                   | 2-20038/0867                | 01/06/77         | 50                  | 9963            | 29.4         | 139.8        | GGGG                               |                     |                      | 168                   | 42                   |
| 06113E 2600N                            | 2697-05311        | 00000/0000                   | 2-20038/0324                | 12/19/76         | 10                  | 9712            | 30.0         | 142.4        | PPPP                               |                     |                      | 168                   | 42                   |
| 06113E 2558N                            | 2427-05394        | 00000/0000                   | 2-20027/0545                | 03/24/76         | 90                  | 5947            | 48.1         | 120.0        | GGGF                               |                     |                      | 168                   | 42                   |
| 06112E 3556N                            | 2609-05431        | 00000/0000                   | 2-20032/1778                | 09/22/76         | 0                   | 8485            | 44.1         | 134.0        | GGGG                               |                     |                      | 170                   | 35                   |
| 06112E 3555N                            | 2663-05411        | 00000/0000                   | 2-20036/0689                | 11/15/76         | 10                  | 9238            | 28.8         | 147.7        | FFGG                               |                     |                      | 170                   | 35                   |
| 06112E 3552N                            | 2375-05494        | 00000/0000                   | 2-20020/0732                | 02/01/76         | 90                  | 5222            | 27.5         | 142.2        | PFGG                               |                     |                      | 170                   | 35                   |
| 06112E 2557N                            | 2679-05320        | 00000/0000                   | 2-20036/1740                | 12/01/76         | 10                  | 9461            | 32.5         | 143.2        | GGGG                               |                     |                      | 168                   | 42                   |
| 06112E 2553N                            | 2517-05371        | 00000/0000                   | 2-20027/0350                | 06/22/76         | 0                   | 7202            | 58.3         | 86.8         | GGGG                               |                     |                      | 168                   | 42                   |
| 06111E 5833N                            | 2544-06183        | 00000/0000                   | 2-20028/1901                | 07/19/76         | 90                  | 7579            | 48.0         | 142.9        | GGGG                               |                     |                      | 177                   | 19                   |
| 06111E 4017N                            | 2682-05445        | 00000/0000                   | 2-20037/0011                | 12/04/76         | 20                  | 9503            | 21.5         | 150.1        | FFGG                               |                     |                      | 171                   | 32                   |
| 06111E 3557N                            | 2393-05491        | 00000/0000                   | 2-20021/0155                | 02/19/76         | 30                  | 5473            | 32.2         | 138.5        | GGGG                               |                     |                      | 170                   | 35                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

02:44 APR 28, 1977

LANHSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1001

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06110E 5830N                            | 2508-06193        | 00000/0000                   | 2-20026/1441                | 06/13/76         | 50                  | 7077            | 50.9         | 144.0        | GGGG                               |                     |                      | 177                   | 19                   |
| 06110E 2557N                            | 2643-05332        | 00000/0000                   | 2-20035/0123                | 10/26/76         | 10                  | 8959            | 40.9         | 137.7        | GGGG                               |                     |                      | 168                   | 42                   |
| 06109E 4011N                            | 2664-05454        | 00000/0000                   | 2-20036/0801                | 11/16/76         | 0                   | 9252            | 25.3         | 150.0        | FFGG                               |                     |                      | 171                   | 32                   |
| 06109E 2555N                            | 2661-05324        | 00000/0000                   | 2-20036/0507                | 11/13/76         | 10                  | 9210            | 36.4         | 141.7        | GGGG                               |                     |                      | 168                   | 42                   |
| 06108E 2553N                            | 2373-05410        | 00000/0000                   | 2-20020/0612                | 01/30/76         | 60                  | 5194            | 33.5         | 136.9        | GGGG                               |                     |                      | 168                   | 42                   |
| 06107E 5829N                            | 2526-06190        | 00000/0000                   | 2-20026/0435                | 07/01/76         | 30                  | 7328            | 50.4         | 142.6        | GGGG                               |                     |                      | 177                   | 19                   |
| 06107E 5601N                            | 2453-06155        | 00000/0000                   | 2-20023/0426                | 04/19/76         | 10                  | 6310            | 41.3         | 147.1        | GGGG                               |                     |                      | 176                   | 21                   |
| 06107E 4730N                            | 2720-05524        | 00000/0000                   | 2-20038/1280                | 01/11/77         | 80                  | 33              | 14.7         | 148.8        | GFGG                               |                     |                      | 173                   | 27                   |
| 06107E 4727N                            | 2702-05533        | 00000/0000                   | 2-20038/0508                | 12/24/76         | 0                   | 9782            | 14.0         | 151.4        | GGGG                               |                     |                      | 173                   | 27                   |
| 06107E 2551N                            | 2391-05404        | 00000/0000                   | 2-20020/1487                | 02/17/76         | 20                  | 5445            | 37.5         | 132.0        | GGGG                               |                     |                      | 168                   | 42                   |
| 06104E 4724N                            | 2684-05541        | 00000/0000                   | 2-20037/0343                | 12/06/76         | 10                  | 9531            | 15.6         | 153.2        | PPFF                               |                     |                      | 173                   | 27                   |
| 06103E 3023N                            | 2464-05430        | 00000/0000                   | 2-20024/0780                | 04/30/76         | 0                   | 6463            | 56.4         | 110.4        | GGGG                               |                     |                      | 169                   | 39                   |
| 06100E 5559N                            | 2579-06123        | 00000/0000                   | 2-20032/0325                | 08/23/76         | 30                  | 8067            | 40.9         | 144.8        | GGFG                               |                     |                      | 176                   | 21                   |
| 06100E 5554N                            | 2471-06153        | 00000/0000                   | 2-20024/1686                | 05/07/76         | 30                  | 6561            | 46.9         | 145.1        | GGGG                               |                     |                      | 176                   | 21                   |
| 06100E 3023N                            | 2572-05400        | 00000/0000                   | 2-20030/1608                | 08/16/76         | 0                   | 7969            | 53.8         | 109.6        | GGGG                               |                     |                      | 169                   | 39                   |
| 06100E 3021N                            | 2698-05354        | 00000/0000                   | 2-20037/1222                | 12/20/76         | 20                  | 9726            | 26.9         | 144.4        | PPFF                               |                     |                      | 169                   | 39                   |
| 06100E 3018N                            | 2428-05440        | 00000/0000                   | 2-20022/0634                | 03/25/76         | 100                 | 5961            | 46.7         | 124.5        | FGFG                               |                     |                      | 169                   | 39                   |
| 06059E 5556N                            | 2597-06120        | 00000/0000                   | 2-20032/1067                | 09/10/76         | 100                 | 8318            | 35.1         | 148.3        | FFFG                               |                     |                      | 176                   | 21                   |
| 06059E 3015N                            | 2500-05420        | 00000/0000                   | 2-20026/0839                | 06/05/76         | 0                   | 6965            | 59.6         | 96.6         | GGGG                               |                     |                      | 169                   | 39                   |
| 06057E 5312N                            | 2452-06110        | 00000/0000                   | 2-20023/0388                | 04/18/76         | 10                  | 6296            | 42.8         | 144.1        | GGGG                               |                     |                      | 175                   | 23                   |
| 06057E 5021N                            | 2451-06061        | 00000/0000                   | 2-20023/0345                | 04/17/76         | 80                  | 6282            | 44.3         | 141.0        | GGGG                               |                     |                      | 174                   | 25                   |
| 06057E 5020N                            | 2721-05573        | 00000/0000                   | 2-20038/0993                | 01/12/77         | 60                  | 47              | 12.7         | 150.0        | GFGG                               |                     |                      | 174                   | 25                   |
| 06057E 3013N                            | 2536-05411        | 00000/0000                   | 2-20028/1038                | 07/11/76         | 0                   | 7467            | 57.7         | 96.2         | GGGG                               |                     |                      | 169                   | 39                   |
| 06056E 5553N                            | 2561-06130        | 00000/0000                   | 2-20030/0859                | 08/05/76         | 30                  | 7816            | 45.9         | 141.2        | FGGG                               |                     |                      | 176                   | 21                   |
| 06056E 5021N                            | 2577-06024        | 00000/0000                   | 2-20030/1637                | 08/21/76         | 10                  | 8039            | 44.9         | 137.9        | GGGG                               |                     |                      | 174                   | 25                   |
| 06056E 5017N                            | 2703-05582        | 00000/0000                   | 2-20033/0152                | 12/25/76         | 0                   | 9796            | 11.8         | 152.5        | GGFG                               |                     |                      | 174                   | 25                   |
| 06056E 3018N                            | 2680-05362        | 00000/0000                   | 2-20036/1800                | 12/02/76         | 0                   | 9475            | 29.2         | 145.5        | PPFG                               |                     |                      | 169                   | 39                   |
| 06056E 3011N                            | 2410-05444        | 00000/0000                   | 2-20021/1246                | 03/07/76         | 90                  | 5710            | 40.8         | 130.0        | GGGG                               |                     |                      | 169                   | 39                   |
| 06055E 5309N                            | 2704-06031        | 00000/0000                   | 2-20038/0190                | 12/26/76         | 0                   | 9810            | 9.6          | 153.7        | FFFF                               |                     |                      | 175                   | 23                   |
| 06055E 3011N                            | 2374-05453        | 00000/0000                   | 2-20020/0697                | 01/31/76         | 90                  | 5208            | 31.0         | 139.2        | GGGG                               |                     |                      | 169                   | 39                   |
| 06054E 6009N                            | 2581-06224        | 00000/0000                   | 2-20030/1846                | 08/25/76         | 40                  | 8095            | 37.5         | 150.0        | FGGG                               |                     |                      | 178                   | 18                   |
| 06054E 5548N                            | 2489-06150        | 00000/0000                   | 2-20026/0040                | 05/25/76         | 30                  | 6812            | 50.7         | 142.5        | GGGG                               |                     |                      | 176                   | 21                   |
| 06054E 5307N                            | 2470-06103        | 00000/0000                   | 2-20024/1662                | 05/06/76         | 10                  | 6547            | 48.4         | 141.7        | GGGG                               |                     |                      | 175                   | 23                   |
| 06054E 5019N                            | 2595-06022        | 00000/0000                   | 2-20032/1027                | 09/08/76         | 0                   | 8290            | 39.6         | 142.9        | GGGG                               |                     |                      | 174                   | 25                   |
| 06054E 5013N                            | 2487-06051        | 00000/0000                   | 2-20025/1129                | 05/23/76         | 90                  | 6784            | 53.6         | 134.6        | GGGG                               |                     |                      | 174                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1002

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBY MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 06054E 4318N                | 2449-05565        | 00000/0000 2-20023/0210                 | 04/15/76         | 90                  | 6254            | 47.7         | 133.4        |                       |                     |                      | 172                   | 30                   |
| 06054E 3017N                | 2662-05371        | 00000/0000 2-20036/0595                 | 11/14/76         | 0                   | 9224            | 33.1         | 144.5        | GGGF                  |                     |                      | 169                   | 39                   |
| 06053E 6005N                | 2473-06254        | 00000/0000 2-20024/1880                 | 05/09/76         | 70                  | 6589            | 44.5         | 150.4        | GGGG                  |                     |                      | 178                   | 18                   |
| 06053E 5545N                | 2625-06140        | 00000/0000 2-20028/0486                 | 06/30/76         | 50                  | 7314            | 52.1         | 138.4        | FGGG                  |                     |                      | 176                   | 21                   |
| 06053E 5308N                | 2578-06074        | 00000/0000 2-20030/1726                 | 08/22/76         | 10                  | 8053            | 43.0         | 141.4        | FGGG                  |                     |                      | 175                   | 23                   |
| 06053E 5306N                | 2434-06114        | 00000/0000 2-20022/1081                 | 03/31/76         | 0                   | 6045            | 36.3         | 145.7        | GGGG                  |                     |                      | 175                   | 23                   |
| 06053E 5013N                | 2685-05590        | 00000/0000 2-20036/1835                 | 12/07/76         | 0                   | 9545            | 13.3         | 154.4        | FGGG                  |                     |                      | 174                   | 25                   |
| 06053E 4314N                | 2719-05482        | 00000/0000 2-20038/1182                 | 01/10/77         | 70                  | 19              | 17.7         | 147.1        | FFFF                  |                     |                      | 172                   | 30                   |
| 06053E 3443N                | 2447-05475        | 00000/0000 2-20023/0090                 | 04/13/76         | 10                  | 6226            | 51.0         | 123.4        | FGFG                  |                     |                      | 170                   | 36                   |
| 06053E 3017N                | 2644-05375        | 00000/0000 2-20035/0085                 | 10/27/76         | 20                  | 8973            | 37.9         | 141.1        | FGGG                  |                     |                      | 169                   | 39                   |
| 06052E 4315N                | 2467-05562        | 00000/0000 2-20024/0888                 | 05/03/76         | 20                  | 6505            | 52.9         | 129.0        | GGGG                  |                     |                      | 172                   | 30                   |
| 06052E 3008N                | 2332-05451        | 00000/0000 2-20020/1671                 | 02/18/76         | 50                  | 5459            | 35.4         | 134.8        | GGFG                  |                     |                      | 169                   | 39                   |
| 06051E 5545N                | 2543-06133        | 00000/0000 2-20028/1856                 | 07/18/76         | 90                  | 7565            | 49.8         | 138.8        | GGFG                  |                     |                      | 176                   | 21                   |
| 06051E 5544N                | 2507-06143        | 00000/0000 2-20026/1495                 | 06/12/76         | 10                  | 7063            | 52.5         | 139.9        | GGG                   |                     |                      | 176                   | 21                   |
| 06051E 5306N                | 2536-06071        | 00000/0000 2-20032/0728                 | 09/09/76         | 90                  | 8304            | 37.4         | 145.8        | GGGG                  |                     |                      | 175                   | 23                   |
| 06051E 5300N                | 2488-06101        | 00000/0000 2-20025/1148                 | 05/24/76         | 70                  | 6798            | 52.2         | 138.6        | GGGG                  |                     |                      | 175                   | 23                   |
| 06051E 5009N                | 2541-06035        | 00000/0000 2-20028/1543                 | 07/16/76         | 40                  | 7537            | 53.0         | 130.2        | GGGG                  |                     |                      | 174                   | 25                   |
| 06051E 3438N                | 2539-05400        | 00000/0000 2-20037/1174                 | 12/21/76         | 60                  | 9740            | 23.7         | 146.3        | FFFF                  |                     |                      | 170                   | 36                   |
| 06051E 3438N                | 2555-05450        | 00000/0000 2-20030/0423                 | 07/30/76         | 0                   | 7732            | 55.5         | 108.9        | GGGG                  |                     |                      | 170                   | 36                   |
| 06050E 5306N                | 2626-06035        | 00000/0000 2-20037/0454                 | 12/08/76         | 0                   | 9559            | 10.9         | 155.6        | GGFG                  |                     |                      | 175                   | 23                   |
| 06050E 5009N                | 2505-06045        | 00000/0000 2-20026/1309                 | 06/10/76         | 10                  | 7035            | 55.4         | 131.2        | GGGG                  |                     |                      | 174                   | 25                   |
| 06050E 3856N                | 2466-05515        | 00000/0000 2-20024/1571                 | 05/02/76         | 0                   | 6491            | 54.5         | 123.0        | GGGG                  |                     |                      | 171                   | 33                   |
| 06050E 3432N                | 2433-05470        | 00000/0000 2-20025/0815                 | 05/19/76         | 10                  | 6728            | 58.6         | 109.8        | GGGG                  |                     |                      | 170                   | 36                   |
| 06050E 2435N                | 2715-05305        | 00000/0000 2-20038/0868                 | 01/06/77         | 40                  | 9963            | 30.3         | 139.0        | GGGG                  |                     |                      | 168                   | 43                   |
| 06050E 2433N                | 2697-05314        | 00000/0000 2-20038/0325                 | 12/19/76         | 10                  | 9712            | 31.0         | 141.6        | FFFF                  |                     |                      | 168                   | 43                   |
| 06049E 6002N                | 2563-06231        | 00000/0000 2-20030/0955                 | 08/07/76         | 50                  | 7844            | 42.8         | 146.9        | GGGG                  |                     |                      | 178                   | 18                   |
| 06049E 5007N                | 2667-05595        | 00000/0000 2-20036/1005                 | 11/19/76         | 10                  | 9294            | 16.8         | 154.9        | GGGG                  |                     |                      | 174                   | 25                   |
| 06049E 5004N                | 2523-05042        | 00000/0000 2-20023/0314                 | 06/28/76         | 50                  | 7286            | 55.1         | 129.5        | GGGG                  |                     |                      | 174                   | 25                   |
| 06049E 4311N                | 2431-05572        | 00000/0000 2-20022/0750                 | 03/28/76         | 0                   | 6003            | 41.3         | 136.8        | GGGG                  |                     |                      | 172                   | 30                   |
| 06049E 3856N                | 2430-05530        | 00000/0000 2-20022/0726                 | 03/27/76         | 30                  | 5949            | 43.3         | 132.9        | GGGG                  |                     |                      | 171                   | 33                   |
| 06049E 3438N                | 2717-05392        | 00000/0000 2-20038/1075                 | 01/08/77         | 80                  | 9991            | 23.6         | 143.6        | GGGG                  |                     |                      | 170                   | 36                   |
| 06049E 2431N                | 2679-05322        | 00000/0000 2-20036/1741                 | 12/01/76         | 10                  | 9461            | 33.5         | 142.4        | GGGG                  |                     |                      | 168                   | 43                   |
| 06048E 4306N                | 2683-05494        | 00000/0000 2-20037/0143                 | 12/05/76         | 0                   | 9517            | 19.1         | 151.3        | GGGG                  |                     |                      | 172                   | 30                   |
| 06048E 4303N                | 2503-05553        | 00000/0000 2-20026/1034                 | 06/08/76         | 60                  | 7007            | 58.1         | 119.6        | GGGG                  |                     |                      | 172                   | 30                   |
| 06048E 3856N                | 2448-05522        | 00000/0000 2-20023/0203                 | 04/14/76         | 90                  | 6240            | 49.5         | 128.5        | FGFG                  |                     |                      | 171                   | 33                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING

PAGE 1003

FBR NON-US

FROM 01/22/76 TO 01/22/77

| PRINCIPAL PRINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RPLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06048E                                  | 3857N             | 2718-05435                   | 00000/0000                  | 2-20038/0899     | 01/09/77            | 60              | 5            | 20.7         | 145.4                              | GGGG                |                      | 171                   | 33                   |
| 06048E                                  | 3440N             | 2591-05440                   | 00000/0000                  | 2-20032/0774     | 09/04/76            | 0               | 8234         | 49.1         | 124.7                              | GGGG                |                      | 170                   | 36                   |
| 06047E                                  | 5303N             | 2614-06064                   | 00000/0000                  | 2-20034/0079     | 09/27/76            | 20              | 8555         | 31.3         | 150.1                              | GGGG                |                      | 175                   | 23                   |
| 06047E                                  | 5258N             | 2542-06064                   | 00000/0000                  | 2-20028/1649     | 07/17/76            | 100             | 7551         | 51.5         | 134.6                              | GGGG                |                      | 175                   | 23                   |
| 06047E                                  | 3855N             | 2700-05443                   | 00000/0000                  | 2-20037/1264     | 12/22/76            | 90              | 9754         | 20.5         | 148.1                              | GGGG                |                      | 171                   | 33                   |
| 06047E                                  | 3435N             | 2631-05405                   | 00000/0000                  | 2-20037/0060     | 12/03/76            | 50              | 9489         | 25.9         | 147.6                              | GGGG                |                      | 170                   | 36                   |
| 06047E                                  | 3430N             | 2519-05460                   | 00000/0000                  | 2-20027/0463     | 06/24/76            | 0               | 7230         | 59.1         | 102.1                              | GGGF                |                      | 170                   | 36                   |
| 06047E                                  | 2429N             | 2661-05331                   | 00000/0000                  | 2-20036/0508     | 11/13/76            | 10              | 9210         | 37.3         | 140.8                              | FGGF                |                      | 168                   | 43                   |
| 06046E                                  | 4300N             | 2413-05580                   | 00000/0000                  | 2-20021/1487     | 03/10/76            | 10              | 5752         | 34.7         | 139.7                              | GGGG                |                      | 172                   | 30                   |
| 06045E                                  | 5255N             | 2668-06044                   | 00000/0000                  | 2-20036/1041     | 11/20/76            | 0               | 9308         | 14.3         | 156.4                              | GGGF                |                      | 175                   | 23                   |
| 06045E                                  | 5254N             | 2506-06094                   | 00000/0000                  | 2-20026/1370     | 06/11/76            | 20              | 7049         | 54.0         | 135.6                              | GGGG                |                      | 175                   | 23                   |
| 06045E                                  | 4301N             | 2665-05503                   | 00000/0000                  | 2-20037/0246     | 11/17/76            | 10              | 9266         | 22.9         | 151.4                              | GGGG                |                      | 172                   | 30                   |
| 06045E                                  | 3432N             | 2393-05493                   | 00000/0000                  | 2-20021/0156     | 02/19/76            | 10              | 5473         | 33.1         | 137.6                              | GGGG                |                      | 170                   | 36                   |
| 06045E                                  | 3430N             | 2609-05433                   | 00000/0000                  | 2-20032/1779     | 09/22/76            | 0               | 8485         | 44.9         | 132.6                              | GGGG                |                      | 170                   | 36                   |
| 06045E                                  | 3430N             | 2663-05414                   | 00000/0000                  | 2-20036/0630     | 11/15/76            | 0               | 9238         | 29.8         | 147.0                              | FGGG                |                      | 170                   | 36                   |
| 06045E                                  | 3426N             | 2375-05500                   | 00000/0000                  | 2-20020/0733     | 02/01/76            | 90              | 5222         | 28.4         | 141.4                              | FFF                 |                      | 170                   | 36                   |
| 06044E                                  | 3848N             | 2502-05510                   | 00000/0000                  | 2-20026/0949     | 06/07/76            | 10              | 6993         | 59.1         | 112.1                              | FGGF                |                      | 171                   | 33                   |
| 06043E                                  | 5252N             | 2524-06091                   | 00000/0000                  | 2-20028/0376     | 06/29/76            | 80              | 7300         | 53.7         | 133.9                              | GGGG                |                      | 175                   | 23                   |
| 06043E                                  | 3851N             | 2632-05452                   | 00000/0000                  | 2-20037/0012     | 12/04/76            | 0               | 9503         | 22.6         | 149.5                              | FGGF                |                      | 171                   | 33                   |
| 06041E                                  | 5954N             | 2527-06241                   | 00000/0000                  | 2-20028/0573     | 07/02/76            | 30              | 7342         | 49.5         | 144.7                              | GGGG                |                      | 178                   | 18                   |
| 06041E                                  | 5953N             | 2545-06234                   | 00000/0000                  | 2-20029/0083     | 07/20/76            | 100             | 7593         | 47.0         | 144.9                              | GGFF                |                      | 178                   | 18                   |
| 06040E                                  | 5950N             | 2509-06244                   | 00000/0000                  | 2-20026/1521     | 06/14/76            | 60              | 7091         | 50.0         | 146.0                              | GGGG                |                      | 178                   | 18                   |
| 06040E                                  | 3846N             | 2664-05460                   | 00000/0000                  | 2-20034/0802     | 11/16/76            | 10              | 9252         | 26.4         | 149.3                              | FFGG                |                      | 171                   | 33                   |
| 06038E                                  | 2857N             | 2464-05432                   | 00000/0000                  | 2-20024/0781     | 04/30/76            | 0               | 6463         | 56.7         | 108.0                              | GGGG                |                      | 169                   | 40                   |
| 06036E                                  | 2856N             | 2572-05403                   | 00000/0000                  | 2-20030/1609     | 08/16/76            | 10              | 7969         | 54.0         | 107.5                              | GGGG                |                      | 169                   | 40                   |
| 06036E                                  | 2855N             | 2698-05360                   | 00000/0000                  | 2-20037/1223     | 12/20/76            | 30              | 9726         | 27.9         | 143.8                              | FFFF                |                      | 169                   | 40                   |
| 06035E                                  | 2853N             | 2716-05352                   | 00000/0000                  | 2-20032/0957     | 01/07/77            | 60              | 9977         | 27.5         | 141.1                              | FFFF                |                      | 169                   | 40                   |
| 06035E                                  | 2852N             | 2428-05443                   | 00000/0000                  | 2-20022/0635     | 03/25/76            | 100             | 5961         | 47.3         | 122.9                              | FFFF                |                      | 169                   | 40                   |
| 06035E                                  | 2849N             | 2500-05423                   | 00000/0000                  | 2-20026/0840     | 06/05/76            | 10              | 6965         | 59.4         | 94.0                               | GGFG                |                      | 169                   | 40                   |
| 06033E                                  | 4602N             | 2702-05535                   | 00000/0000                  | 2-20038/0509     | 12/24/76            | 0               | 9782         | 15.1         | 150.8                              | GGGG                |                      | 173                   | 28                   |
| 06033E                                  | 2846N             | 2536-05413                   | 00000/0000                  | 2-20028/1039     | 07/11/76            | 0               | 7467         | 57.5         | 93.7                               | GGGG                |                      | 169                   | 40                   |
| 06032E                                  | 2851N             | 2680-05365                   | 00000/0000                  | 2-20036/1801     | 12/02/76            | 0               | 9475         | 30.3         | 144.7                              | FFPG                |                      | 169                   | 40                   |
| 06031E                                  | 5727N             | 2454-06211                   | 00000/0000                  | 2-20024/0083     | 04/20/76            | 90              | 6324         | 40.6         | 148.6                              | FGGF                |                      | 177                   | 20                   |
| 06031E                                  | 4605N             | 2720-05531                   | 00000/0000                  | 2-20038/1281     | 01/11/77            | 50              | 33           | 15.8         | 148.2                              | FGGF                |                      | 173                   | 28                   |
| 06031E                                  | 2846N             | 2374-05460                   | 00000/0000                  | 2-20020/0698     | 01/31/76            | 90              | 5208         | 31.9         | 138.4                              | GGGG                |                      | 169                   | 40                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06030E                      | 2847N | 2662-05373 | 00000/0000        | 2-20036/0596                 | 11/14/76                    | 0                | 9224                | 34.2            | 143.6        | GGGG         |                                    |                     | 169                  | 40                    |                      |
| 06029E                      | 2845N | 2644-05382 | 00000/0000        | 2-20035/0086                 | 10/27/76                    | 0                | 8973                | 38.8            | 140.1        | GGGG         |                                    |                     | 169                  | 40                    |                      |
| 06028E                      | 5719N | 2472-06204 | 00000/0000        | 2-20024/1605                 | 05/08/76                    | 10               | 6575                | 46.2            | 146.9        | FGGG         |                                    |                     | 177                  | 20                    |                      |
| 06028E                      | 4600N | 2684-05544 | 00000/0000        | 2-20037/0344                 | 12/06/76                    | 0                | 9531                | 16.7            | 152.5        | FFFF         |                                    |                     | 173                  | 28                    |                      |
| 06028E                      | 2843N | 2392-05453 | 00000/0000        | 2-20020/1672                 | 02/18/76                    | 10               | 5459                | 36.2            | 133.8        | GGGF         |                                    |                     | 169                  | 40                    |                      |
| 06027E                      | 3317N | 2447-05482 | 00000/0000        | 2-20023/0091                 | 04/13/76                    | 10               | 6226                | 51.5            | 121.5        | GGGG         |                                    |                     | 170                  | 37                    |                      |
| 06025E                      | 3311N | 2555-05453 | 00000/0000        | 2-20030/0424                 | 07/30/76                    | 0                | 7732                | 55.7            | 106.7        | GGGG         |                                    |                     | 170                  | 37                    |                      |
| 06025E                      | 3307N | 2483-05472 | 00000/0000        | 2-20025/0816                 | 05/19/76                    | 10               | 6728                | 58.8            | 107.3        | GGGG         |                                    |                     | 170                  | 37                    |                      |
| 06024E                      | 5724N | 2580-06175 | 00000/0000        | 2-20030/1817                 | 08/24/76                    | 30               | 8081                | 39.7            | 146.6        | GGGG         |                                    |                     | 177                  | 20                    |                      |
| 06024E                      | 5719N | 2436-06215 | 00000/0000        | 2-20022/1347                 | 04/02/76                    | 10               | 6073                | 34.1            | 149.6        | GGGG         |                                    |                     | 177                  | 20                    |                      |
| 06024E                      | 3313N | 2699-05403 | 00000/0000        | 2-20037/1175                 | 12/21/76                    | 10               | 9740                | 24.7            | 145.7        | PPFF         |                                    |                     | 170                  | 37                    |                      |
| 06023E                      | 4153N | 2449-05571 | 00000/0000        | 2-20023/0211                 | 04/15/76                    | 80               | 6254                | 48.4            | 131.7        | GGFG         |                                    |                     | 172                  | 31                    |                      |
| 06023E                      | 3313N | 2591-05442 | 00000/0000        | 2-20032/0775                 | 09/04/76                    | 0                | 8234                | 49.7            | 122.9        | GGGG         |                                    |                     | 170                  | 37                    |                      |
| 06023E                      | 3312N | 2717-05395 | 00000/0000        | 2-20038/1076                 | 01/08/77                    | 30               | 9991                | 24.6            | 143.0        | GGGG         |                                    |                     | 170                  | 37                    |                      |
| 06022E                      | 5718N | 2538-06172 | 00000/0000        | 2-20032/1153                 | 09/11/76                    | 70               | 8332                | 33.8            | 150.3        | GGGG         |                                    |                     | 177                  | 20                    |                      |
| 06022E                      | 5710N | 2490-06202 | 00000/0000        | 2-20026/0162                 | 05/26/76                    | 50               | 6826                | 50.0            | 144.4        | FGGG         |                                    |                     | 177                  | 20                    |                      |
| 06021E                      | 4150N | 2467-05564 | 00000/0000        | 2-20024/0889                 | 05/03/76                    | 20               | 6505                | 53.6            | 127.0        | GGGG         |                                    |                     | 172                  | 31                    |                      |
| 06021E                      | 3731N | 2466-05522 | 00000/0000        | 2-20024/1572                 | 05/02/76                    | 10               | 6491                | 55.0            | 120.8        | GGGG         |                                    |                     | 171                  | 34                    |                      |
| 06021E                      | 3310N | 2681-05412 | 00000/0000        | 2-20037/0061                 | 12/03/76                    | 40               | 9489                | 27.0            | 146.9        | GGGG         |                                    |                     | 170                  | 37                    |                      |
| 06021E                      | 3304N | 2519-05463 | 00000/0000        | 2-20027/0464                 | 06/24/76                    | 0                | 7230                | 59.1            | 99.5         | GGGG         |                                    |                     | 170                  | 37                    |                      |
| 06020E                      | 3733N | 2448-05525 | 00000/0000        | 2-20023/0204                 | 04/14/76                    | 90               | 6240                | 50.1            | 126.7        | FGFG         |                                    |                     | 171                  | 34                    |                      |
| 06020E                      | 3731N | 2430-05532 | 00000/0000        | 2-20022/0727                 | 03/27/76                    | 10               | 5989                | 44.1            | 131.5        | FGGG         |                                    |                     | 171                  | 34                    |                      |
| 06020E                      | 3304N | 2663-05420 | 00000/0000        | 2-20036/0691                 | 11/15/76                    | 0                | 9238                | 30.9            | 146.2        | FGGG         |                                    |                     | 170                  | 37                    |                      |
| 06019E                      | 5437N | 2453-06162 | 00000/0000        | 2-20023/0427                 | 04/19/76                    | 10               | 6310                | 42.2            | 145.5        | GGGG         |                                    |                     | 176                  | 22                    |                      |
| 06019E                      | 3731N | 2718-05441 | 00000/0000        | 2-20038/0900                 | 01/09/77                    | 80               | 5                   | 21.7            | 144.8        | GGGG         |                                    |                     | 171                  | 34                    |                      |
| 06019E                      | 3730N | 2700-05450 | 00000/0000        | 2-20037/1265                 | 12/22/76                    | 70               | 9754                | 21.6            | 147.5        | GGGG         |                                    |                     | 171                  | 34                    |                      |
| 06019E                      | 3306N | 2393-05560 | 00000/0000        | 2-20021/0157                 | 02/19/76                    | 0                | 5473                | 33.9            | 136.6        | GGGG         |                                    |                     | 170                  | 37                    |                      |
| 06019E                      | 3304N | 2609-05440 | 00000/0000        | 2-20032/1730                 | 09/22/76                    | 0                | 8485                | 45.6            | 131.1        | GGGG         |                                    |                     | 170                  | 37                    |                      |
| 06019E                      | 3300N | 2375-05503 | 00000/0000        | 2-20020/0734                 | 02/01/76                    | 100              | 5222                | 29.4            | 140.6        | FFF          |                                    |                     | 170                  | 37                    |                      |
| 06018E                      | 4855N | 2721-05580 | 00000/0000        | 2-20038/0994                 | 01/12/77                    | 30               | 47                  | 13.8            | 149.3        | GGGG         |                                    |                     | 174                  | 26                    |                      |
| 06018E                      | 4853N | 2703-05584 | 00000/0000        | 2-20038/0153                 | 12/25/76                    | 0                | 9796                | 12.9            | 151.9        | FFGF         |                                    |                     | 174                  | 26                    |                      |
| 06018E                      | 4146N | 2431-05575 | 00000/0000        | 2-20022/0751                 | 03/28/76                    | 0                | 6003                | 42.1            | 135.5        | GGGG         |                                    |                     | 172                  | 31                    |                      |
| 06018E                      | 3730N | 2592-05485 | 00000/0000        | 2-20032/0712                 | 09/05/76                    | 10               | 8248                | 47.7            | 128.5        | GGGG         |                                    |                     | 171                  | 34                    |                      |
| 06018E                      | 3302N | 2645-05424 | 00000/0000        | 2-20035/0211                 | 10/28/76                    | 30               | 8987                | 35.7            | 143.3        | GGGG         |                                    |                     | 170                  | 37                    |                      |
| 06017E                      | 5709N | 2544-06185 | 00000/0000        | 2-20028/1902                 | 07/19/76                    | 100              | 7579                | 48.8            | 140.9        | GGGG         |                                    |                     | 177                  | 20                    |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G, GOOD, P, POOR, F, FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06017E 4141N                            | 2623-05501        | 00000/0000                   | 2-20037/0144                | 12/05/76         | 0                   | 9517            | 20.2         | 150.7        | GGGG                               |                     |                      | 172                   | 31                   |
| 06017E 4138N                            | 2503-05555        | 00000/0000                   | 2-20026/1035                | 06/08/76         | 90                  | 7007            | 58.5         | 117.0        | GGGG                               |                     |                      | 172                   | 31                   |
| 06017E 3728N                            | 2556-05495        | 00000/0000                   | 2-20030/0380                | 07/31/76         | 0                   | 7746            | 54.8         | 113.8        | GGGG                               |                     |                      | 171                   | 34                   |
| 06015E 5433N                            | 2723-06074        | 00000/0000                   | 2-20038/1403                | 01/14/77         | 90                  | 75              | 9.9          | 151.7        | FFGG                               |                     |                      | 176                   | 22                   |
| 06015E 4135N                            | 2413-05583        | 00000/0000                   | 2-20021/1488                | 03/10/76         | 20                  | 5752            | 35.5         | 138.5        | GGGG                               |                     |                      | 172                   | 31                   |
| 06015E 3723N                            | 2502-05517        | 00000/0000                   | 2-20026/0950                | 06/07/76         | 10                  | 6993            | 59.3         | 109.4        | GGGG                               |                     |                      | 171                   | 34                   |
| 06014E 5707N                            | 2526-06192        | 00000/0000                   | 2-20028/0436                | 07/01/76         | 20                  | 7328            | 51.2         | 140.5        | GGGG                               |                     |                      | 177                   | 20                   |
| 06014E 4849N                            | 2685-05593        | 00000/0000                   | 2-20036/1836                | 12/07/76         | 0                   | 9545            | 14.4         | 153.7        | GGGF                               |                     |                      | 174                   | 26                   |
| 06014E 4135N                            | 2665-05505        | 00000/0000                   | 2-20037/0247                | 11/17/76         | 10                  | 9266            | 24.0         | 150.7        | GGGG                               |                     |                      | 172                   | 31                   |
| 06014E 3726N                            | 2682-05454        | 00000/0000                   | 2-20037/0013                | 12/04/76         | 30                  | 9503            | 23.6         | 148.9        | FFFF                               |                     |                      | 171                   | 34                   |
| 06014E 2730N                            | 2464-05435        | 00000/0000                   | 2-20024/0782                | 04/30/76         | 0                   | 6463            | 56.8         | 105.7        | GGGG                               |                     |                      | 169                   | 41                   |
| 06013E 5430N                            | 2471-06155        | 00000/0000                   | 2-20024/1637                | 05/07/76         | 0                   | 6561            | 47.8         | 143.3        | GGGG                               |                     |                      | 176                   | 22                   |
| 06013E 5146N                            | 2452-06113        | 00000/0000                   | 2-20023/0389                | 04/18/76         | 10                  | 6296            | 43.7         | 142.5        | GGGG                               |                     |                      | 175                   | 24                   |
| 06013E 5145N                            | 2704-06033        | 00000/0000                   | 2-20038/0191                | 12/26/76         | 0                   | 9810            | 10.7         | 153.1        | FFF                                |                     |                      | 175                   | 24                   |
| 06012E 5432N                            | 2597-06123        | 00000/0000                   | 2-20032/1058                | 09/10/76         | 100                 | 8318            | 36.1         | 147.5        | GGGG                               |                     |                      | 176                   | 22                   |
| 06012E 5142N                            | 2470-06110        | 00000/0000                   | 2-20024/1663                | 05/06/76         | 10                  | 6547            | 49.2         | 139.8        | GGGG                               |                     |                      | 175                   | 24                   |
| 06012E 4844N                            | 2541-06041        | 00000/0000                   | 2-20028/1544                | 07/15/76         | 10                  | 7537            | 53.6         | 128.1        | GGGG                               |                     |                      | 174                   | 26                   |
| 06012E 4842N                            | 2505-06051        | 00000/0000                   | 2-20026/1285                | 06/10/76         | 0                   | 7035            | 56.0         | 128.9        | GGGG                               |                     |                      | 174                   | 26                   |
| 06012E 3720N                            | 2646-05471        | 00000/0000                   | 2-20035/0195                | 10/29/76         | 90                  | 9001            | 32.4         | 146.2        | GGGG                               |                     |                      | 171                   | 34                   |
| 06012E 3720N                            | 2664-05463        | 00000/0000                   | 2-20036/0803                | 11/16/76         | 0                   | 9252            | 27.5         | 148.5        | GGGF                               |                     |                      | 171                   | 34                   |
| 06012E 2730N                            | 2572-05405        | 00000/0000                   | 2-20030/1610                | 08/16/76         | 10                  | 7969            | 54.1         | 105.4        | GGGG                               |                     |                      | 169                   | 41                   |
| 06012E 2728N                            | 2638-05363        | 00000/0000                   | 2-20037/1224                | 12/20/76         | 60                  | 9726            | 28.9         | 143.0        | GGGG                               |                     |                      | 169                   | 41                   |
| 06012E 2726N                            | 2428-05445        | 00000/0000                   | 2-20022/0636                | 03/25/76         | 100                 | 5961            | 47.9         | 121.3        | FFFF                               |                     |                      | 169                   | 41                   |
| 06011E 5141N                            | 2434-06120        | 00000/0000                   | 2-20027/1082                | 03/31/76         | 0                   | 6045            | 37.2         | 144.3        | GGGG                               |                     |                      | 175                   | 24                   |
| 06011E 4840N                            | 2523-06045        | 00000/0000                   | 2-20028/0315                | 06/28/76         | 50                  | 7286            | 55.7         | 127.1        | GGGG                               |                     |                      | 174                   | 26                   |
| 06011E 2727N                            | 2716-05354        | 00000/0000                   | 2-20038/0958                | 01/07/77         | 30                  | 9977            | 28.4         | 140.3        | FFFF                               |                     |                      | 169                   | 41                   |
| 06011E 2723N                            | 2500-05425        | 00000/0000                   | 2-20026/0841                | 06/05/76         | 0                   | 6965            | 59.3         | 91.5         | GGGG                               |                     |                      | 169                   | 41                   |
| 06010E 5144N                            | 2578-06080        | 00000/0000                   | 2-20030/1727                | 08/22/76         | 0                   | 8053            | 43.8         | 139.3        | GGGG                               |                     |                      | 175                   | 24                   |
| 06010E 2722N                            | 2536-05420        | 00000/0000                   | 2-20028/1040                | 07/11/76         | 0                   | 7467            | 57.3         | 91.3         | GGGG                               |                     |                      | 169                   | 41                   |
| 06009E 5429N                            | 2687-06031        | 00000/0000                   | 2-20037/0511                | 12/09/76         | 0                   | 9573            | 9.6          | 156.2        | GGGG                               |                     |                      | 176                   | 22                   |
| 06009E 5136N                            | 2488-06103        | 00000/0000                   | 2-20025/1149                | 05/24/76         | 70                  | 6798            | 53.0         | 136.5        | GGGG                               |                     |                      | 175                   | 24                   |
| 06008E 5429N                            | 2561-06133        | 00000/0000                   | 2-20030/0860                | 08/05/76         | 40                  | 7816            | 46.7         | 139.3        | GGGF                               |                     |                      | 174                   | 22                   |
| 06008E 5142N                            | 2596-06073        | 00000/0000                   | 2-20032/0729                | 09/09/76         | 90                  | 8304            | 38.4         | 144.5        | GGGG                               |                     |                      | 175                   | 24                   |
| 06008E 2725N                            | 2630-05371        | 00000/0000                   | 2-20036/1802                | 12/02/76         | 10                  | 9475            | 31.3         | 144.0        | PPFG                               |                     |                      | 169                   | 41                   |
| 06007E 5423N                            | 2489-06152        | 00000/0000                   | 2-20026/0041                | 05/25/76         | 30                  | 6812            | 51.6         | 140.5        | GGGG                               |                     |                      | 176                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06007E 5136N                            | 2686-06042        | 00000/0000                   | 2-20037/0455                | 12/08/76         | 0                   | 9559            | 12.0         | 154.9        | GGGF                               |                     |                      | 175                   | 24                   |
| 06007E 2719N                            | 2374-05462        | 00000/0000                   | 2-20020/0699                | 01/31/76         | 100                 | 5208            | 32.8         | 137.5        | GGGG                               |                     |                      | 169                   | 41                   |
| 06006E 5421N                            | 2525-06143        | 00000/0000                   | 2-20028/0487                | 06/30/76         | 30                  | 7314            | 52.8         | 136.2        | FGFF                               |                     |                      | 174                   | 22                   |
| 06006E 2721N                            | 2662-05330        | 00000/0000                   | 2-20036/0597                | 11/14/76         | 0                   | 9224            | 35.1         | 142.7        | GGGG                               |                     |                      | 169                   | 41                   |
| 06005E 5134N                            | 2542-06091        | 00000/0000                   | 2-20028/1650                | 07/17/76         | 90                  | 7551            | 52.1         | 132.5        | GGGG                               |                     |                      | 175                   | 24                   |
| 06005E 2719N                            | 2644-05384        | 00000/0000                   | 2-20035/0087                | 10/27/76         | 0                   | 8973            | 39.8         | 139.0        | GGGG                               |                     |                      | 169                   | 41                   |
| 06004E 5421N                            | 2543-06140        | 00000/0000                   | 2-20028/1857                | 07/18/76         | 90                  | 7565            | 50.6         | 136.7        | GGGG                               |                     |                      | 176                   | 22                   |
| 06004E 5420N                            | 2507-06150        | 00000/0000                   | 2-20026/1496                | 06/12/76         | 10                  | 7063            | 53.3         | 137.7        | GGGG                               |                     |                      | 176                   | 22                   |
| 06004E 5418N                            | 2669-06100        | 00000/0000                   | 2-20036/0535                | 11/21/76         | 20                  | 9322            | 12.9         | 157.1        | GGGG                               |                     |                      | 176                   | 22                   |
| 06004E 5138N                            | 2614-06070        | 00000/0000                   | 2-20034/0050                | 09/27/76         | 30                  | 8555            | 32.4         | 149.0        | GGGG                               |                     |                      | 175                   | 24                   |
| 06004E 2717N                            | 2392-05460        | 00000/0000                   | 2-20020/1673                | 02/18/76         | 10                  | 5459            | 37.0         | 132.7        | GGGF                               |                     |                      | 169                   | 41                   |
| 06003E 5131N                            | 2668-06050        | 00000/0000                   | 2-20034/1042                | 11/20/76         | 0                   | 9308            | 15.4         | 155.6        | GGGP                               |                     |                      | 175                   | 24                   |
| 06003E 5130N                            | 2506-06101        | 00000/0000                   | 2-20026/1323                | 06/11/76         | 0                   | 7049            | 54.7         | 133.3        | GGGG                               |                     |                      | 175                   | 24                   |
| 06001E 5128N                            | 2524-06094        | 00000/0000                   | 2-20028/0377                | 06/29/76         | 60                  | 7300            | 54.4         | 131.7        | GGGG                               |                     |                      | 175                   | 24                   |
| 06001E 3111N                            | 2447-05434        | 00000/0000                   | 2-20023/0092                | 04/13/76         | 10                  | 6226            | 52.0         | 119.6        | GGGG                               |                     |                      | 170                   | 38                   |
| 06000E 3146N                            | 2573-05452        | 00000/0000                   | 2-20030/1330                | 08/17/76         | 10                  | 7983            | 53.4         | 112.2        | GGGG                               |                     |                      | 170                   | 38                   |
| 05959E 3117N                            | 2702-05542        | 00000/0000                   | 2-20035/0510                | 12/24/76         | 20                  | 9782            | 16.2         | 150.2        | FGGG                               |                     |                      | 173                   | 29                   |
| 05959E 3117N                            | 2699-05405        | 00000/0000                   | 2-20037/1176                | 12/21/76         | 20                  | 9740            | 25.8         | 145.0        | FFFF                               |                     |                      | 170                   | 38                   |
| 05959E 3146N                            | 2483-05475        | 00000/0000                   | 2-20025/0817                | 05/19/76         | 10                  | 6728            | 58.9         | 104.7        | GGGG                               |                     |                      | 170                   | 38                   |
| 05958E 3146N                            | 2717-05401        | 00000/0000                   | 2-20038/1077                | 01/08/77         | 70                  | 9991            | 25.6         | 142.3        | GGGG                               |                     |                      | 170                   | 38                   |
| 05957E 4440N                            | 2710-05533        | 00000/0000                   | 2-20038/1282                | 01/11/77         | 60                  | 33              | 16.8         | 147.6        | GGGG                               |                     |                      | 173                   | 29                   |
| 05956E 5546N                            | 351-06230         | 00000/0000                   | 2-20030/1847                | 08/25/76         | 70                  | 8095            | 38.4         | 148.4        | FGGG                               |                     |                      | 178                   | 19                   |
| 05956E 3144N                            | 2621-05414        | 00000/0000                   | 2-20037/0062                | 12/03/76         | 20                  | 9489            | 28.0         | 146.2        | FGGG                               |                     |                      | 170                   | 38                   |
| 05955E 5811N                            | 2473-06260        | 00000/0000                   | 2-20024/1881                | 05/09/76         | 90                  | 6589            | 45.5         | 148.5        | FGGG                               |                     |                      | 178                   | 19                   |
| 05955E 3146N                            | 2519-05465        | 00000/0000                   | 2-20027/0465                | 06/24/76         | 0                   | 7230            | 59.0         | 96.9         | GGGG                               |                     |                      | 170                   | 38                   |
| 05954E 4435N                            | 2684-05550        | 00000/0000                   | 2-20037/0345                | 12/06/76         | 0                   | 9531            | 17.8         | 151.9        | FFFF                               |                     |                      | 173                   | 29                   |
| 05954E 3605N                            | 2466-05524        | 00000/0000                   | 2-20024/1573                | 05/02/76         | 0                   | 6491            | 55.5         | 118.6        | GGGG                               |                     |                      | 171                   | 35                   |
| 05954E 3139N                            | 2663-05423        | 00000/0000                   | 2-20035/0692                | 11/15/76         | 0                   | 9238            | 31.9         | 145.4        | FGGG                               |                     |                      | 170                   | 38                   |
| 05953E 4027N                            | 2449-05574        | 00000/0000                   | 2-20023/0212                | 04/15/76         | 70                  | 6254            | 49.1         | 130.0        | GGGF                               |                     |                      | 172                   | 32                   |
| 05953E 3140N                            | 2393-05502        | 00000/0000                   | 2-20021/0158                | 02/19/76         | 10                  | 5473            | 34.8         | 135.6        | GGGG                               |                     |                      | 170                   | 38                   |
| 05953E 3137N                            | 2609-05442        | 00000/0000                   | 2-20032/1781                | 09/22/76         | 0                   | 8485            | 46.3         | 129.6        | GGGG                               |                     |                      | 170                   | 38                   |
| 05953E 3134N                            | 2375-05505        | 00000/0000                   | 2-20020/0735                | 02/01/76         | 100                 | 5222            | 30.3         | 139.8        | GGG                                |                     |                      | 170                   | 38                   |
| 05952E 3607N                            | 2448-05531        | 00000/0000                   | 2-20023/0205                | 04/14/76         | 90                  | 6240            | 50.7         | 124.9        | GGGF                               |                     |                      | 171                   | 35                   |
| 05952E 3136N                            | 2645-05431        | 00000/0000                   | 2-20035/0212                | 10/28/76         | 10                  | 8987            | 36.7         | 142.4        | GGGG                               |                     |                      | 170                   | 38                   |
| 05951E 5839N                            | 2563-06234        | 00000/0000                   | 2-20030/0956                | 08/07/76         | 40                  | 7844            | 43.7         | 145.1        | GGGG                               |                     |                      | 178                   | 19                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE<br>LONG | LAT   | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=DUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05951E                              | 4024N | 2467-05571        | 00000/0000                   | 2-20024/0890                | 05/03/76         | 10                  | 6505            | 54.2         | 124.9        | GGGG                               |                     |                      | 172                   | 32                   |
| 05951E                              | 3604N | 2592-05492        | 00000/0000                   | 2-20032/0713                | 09/05/76         | 10                  | 8248            | 48.3         | 126.8        | GGGG                               |                     |                      | 171                   | 35                   |
| 05951E                              | 3604N | 2700-05452        | 00000/0000                   | 2-20037/1266                | 12/22/76         | 60                  | 9754            | 22.6         | 146.8        | GGGG                               |                     |                      | 171                   | 35                   |
| 05951E                              | 3604N | 2718-05444        | 00000/0000                   | 2-20038/0901                | 01/09/77         | 80                  | 5               | 22.7         | 144.1        | GGGG                               |                     |                      | 171                   | 35                   |
| 05951E                              | 2604N | 2464-05441        | 00000/0000                   | 2-20024/0783                | 04/30/76         | 0                   | 6463            | 56.9         | 103.3        | FGGG                               |                     |                      | 169                   | 42                   |
| 05950E                              | 4022N | 2719-05491        | 00000/0000                   | 2-20038/1183                | 01/10/77         | 80                  | 19              | 19.8         | 145.9        | FGGG                               |                     |                      | 172                   | 32                   |
| 05950E                              | 3602N | 2556-05502        | 00000/0000                   | 2-20030/0381                | 07/31/76         | 0                   | 7746            | 55.1         | 111.5        | GGGG                               |                     |                      | 171                   | 35                   |
| 05949E                              | 2603N | 2572-05412        | 00000/0000                   | 2-20030/1611                | 08/16/76         | 10                  | 7969            | 54.2         | 103.2        | GGGG                               |                     |                      | 169                   | 42                   |
| 05948E                              | 4020N | 2431-05581        | 00000/0000                   | 2-20022/0752                | 03/28/76         | 10                  | 6003            | 42.9         | 134.1        | FGGG                               |                     |                      | 172                   | 32                   |
| 05948E                              | 4013N | 2503-05562        | 00000/0000                   | 2-20026/1036                | 06/08/76         | 70                  | 7007            | 58.8         | 114.4        | FGGF                               |                     |                      | 172                   | 32                   |
| 05948E                              | 3557N | 2502-05515        | 00000/0000                   | 2-20026/0951                | 06/07/76         | 10                  | 6993            | 59.5         | 106.8        | GGGG                               |                     |                      | 171                   | 35                   |
| 05948E                              | 2602N | 2698-05365        | 00000/0000                   | 2-20037/1225                | 12/20/76         | 40                  | 9726            | 29.9         | 142.3        | PPPF                               |                     |                      | 169                   | 42                   |
| 05948E                              | 2601N | 2716-05361        | 00000/0000                   | 2-20035/0959                | 01/07/77         | 30                  | 9977            | 29.4         | 139.6        | FFFF                               |                     |                      | 169                   | 42                   |
| 05948E                              | 2600N | 2428-05452        | 00000/0000                   | 2-20022/0637                | 03/25/76         | 100                 | 5961            | 48.4         | 119.6        | FFFF                               |                     |                      | 169                   | 42                   |
| 05948E                              | 2557N | 2500-05432        | 00000/0000                   | 2-20026/0842                | 06/05/76         | 10                  | 6965            | 59.0         | 88.9         | FGGG                               |                     |                      | 169                   | 42                   |
| 05947E                              | 4017N | 2683-05503        | 00000/0000                   | 2-20037/0145                | 12/05/76         | 20                  | 9517            | 21.3         | 150.1        | GFPG                               |                     |                      | 172                   | 32                   |
| 05947E                              | 3600N | 2682-05461        | 00000/0000                   | 2-20037/0014                | 12/04/76         | 60                  | 9503            | 24.7         | 148.2        | FFFF                               |                     |                      | 171                   | 35                   |
| 05947E                              | 3554N | 2412-05542        | 00000/0000                   | 2-20021/1360                | 03/09/76         | 70                  | 5738            | 38.5         | 134.3        | GGFG                               |                     |                      | 171                   | 35                   |
| 05947E                              | 2556N | 2536-05422        | 00000/0000                   | 2-20028/1041                | 07/11/76         | 10                  | 7467            | 57.1         | 89.0         | GGGG                               |                     |                      | 169                   | 42                   |
| 05945E                              | 3554N | 2646-05473        | 00000/0000                   | 2-20035/0196                | 10/29/76         | 70                  | 9001            | 33.4         | 145.4        | GGGG                               |                     |                      | 171                   | 35                   |
| 05944E                              | 5831N | 2545-06241        | 00000/0000                   | 2-20029/0084                | 07/20/76         | 90                  | 7593            | 47.8         | 142.9        | GFGG                               |                     |                      | 178                   | 19                   |
| 05944E                              | 4010N | 2655-05512        | 00000/0000                   | 2-20037/0248                | 11/17/76         | 0                   | 9266            | 25.1         | 150.0        | GGGG                               |                     |                      | 172                   | 32                   |
| 05944E                              | 3554N | 2664-05465        | 00000/0000                   | 2-20036/0804                | 11/16/76         | 0                   | 9252            | 28.5         | 147.8        | FGGF                               |                     |                      | 171                   | 35                   |
| 05944E                              | 2553N | 2374-05465        | 00000/0000                   | 2-20020/0700                | 01/31/76         | 90                  | 5208            | 33.6         | 136.6        | GGGG                               |                     |                      | 169                   | 42                   |
| 05943E                              | 5831N | 2527-06244        | 00000/0000                   | 2-20028/0574                | 07/02/76         | 70                  | 7342            | 50.3         | 142.6        | GGGG                               |                     |                      | 178                   | 19                   |
| 05943E                              | 5827N | 2509-06251        | 00000/0000                   | 2-20026/1522                | 06/14/76         | 70                  | 7091            | 50.9         | 143.8        | FGGG                               |                     |                      | 178                   | 19                   |
| 05943E                              | 2555N | 2662-05382        | 00000/0000                   | 2-20036/0598                | 11/14/76         | 10                  | 9224            | 36.1         | 141.8        | FGGG                               |                     |                      | 169                   | 42                   |
| 05942E                              | 2553N | 2644-05391        | 00000/0000                   | 2-20035/0056                | 10/27/76         | 10                  | 8973            | 40.7         | 137.9        | FFGG                               |                     |                      | 169                   | 42                   |
| 05941E                              | 4730N | 2721-05562        | 00000/0000                   | 2-20038/0995                | 01/12/77         | 40                  | 47              | 14.8         | 148.7        | GGGG                               |                     |                      | 174                   | 27                   |
| 05941E                              | 4728N | 2703-05591        | 00000/0000                   | 2-20038/0154                | 12/25/76         | 0                   | 9796            | 14.0         | 151.3        | GFGG                               |                     |                      | 174                   | 27                   |
| 05941E                              | 2551N | 2392-05462        | 00000/0000                   | 2-20020/1674                | 02/18/76         | 0                   | 5459            | 37.7         | 131.7        | GFGF                               |                     |                      | 169                   | 42                   |
| 05940E                              | 5602N | 2454-06214        | 00000/0000                   | 2-20024/0084                | 04/20/76         | 80                  | 6324            | 41.6         | 147.1        | GGGG                               |                     |                      | 177                   | 21                   |
| 05937E                              | 5556N | 2472-06211        | 00000/0000                   | 2-20024/1606                | 05/08/76         | 20                  | 6575            | 47.1         | 145.0        | GGGG                               |                     |                      | 177                   | 21                   |
| 05937E                              | 4724N | 2685-05595        | 00000/0000                   | 2-20036/1837                | 12/07/76         | 0                   | 9545            | 15.5         | 153.1        | GGGG                               |                     |                      | 174                   | 27                   |
| 05937E                              | 3024N | 2447-05491        | 00000/0000                   | 2-20023/0093                | 04/13/76         | 10                  | 6226            | 52.5         | 117.6        | GGGG                               |                     |                      | 170                   | 39                   |

KEYS: CLOUD COVER 4 ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05935E 3021N                            | 2573-05454        | 00000/0000                   | 2-20030/1381                | 08/17/76         | 0                   | 7983          | 53.6         | 110.1        | GGGG                               |                     |                      | 170                   | 39                   |
| 05935E 3020N                            | 2555-05462        | 00000/0000                   | 2-20030/0425                | 07/30/76         | 0                   | 7732          | 55.8         | 102.0        | GGGG                               |                     |                      | 170                   | 39                   |
| 05934E 3021N                            | 2699-05412        | 00000/0000                   | 2-20037/1177                | 12/21/76         | 40                  | 9740          | 26.8         | 144.3        | PGGF                               |                     |                      | 170                   | 39                   |
| 05934E 3015N                            | 2483-05481        | 00000/0000                   | 2-20025/0818                | 05/19/76         | 20                  | 6728          | 59.0         | 102.1        | FGGG                               |                     |                      | 170                   | 39                   |
| 05933E 5556N                            | 2436-06221        | 00000/0000                   | 2-20027/1145                | 04/02/76         | 20                  | 6073          | 35.1         | 148.2        | GFGG                               |                     |                      | 177                   | 21                   |
| 05933E 5313N                            | 2453-06164        | 00000/0000                   | 2-20023/0428                | 04/19/76         | 10                  | 6310          | 43.2         | 144.0        | GGGG                               |                     |                      | 176                   | 23                   |
| 05933E 5022N                            | 2452-06115        | 00000/0000                   | 2-20023/0390                | 04/18/76         | 20                  | 6296          | 44.6         | 140.9        | GGGG                               |                     |                      | 175                   | 25                   |
| 05933E 3020N                            | 2717-05404        | 00000/0000                   | 2-20038/1078                | 01/08/77         | 30                  | 9991          | 26.6         | 141.6        | GGGG                               |                     |                      | 170                   | 39                   |
| 05932E 5020N                            | 2704-06040        | 00000/0000                   | 2-20038/0192                | 12/26/76         | 0                   | 9810          | 11.8         | 152.4        | FFFF                               |                     |                      | 175                   | 25                   |
| 05931E 5554N                            | 2598-06174        | 00000/0000                   | 2-20032/1154                | 09/11/76         | 80                  | 8332          | 34.8         | 149.0        | GGGG                               |                     |                      | 177                   | 21                   |
| 05931E 5546N                            | 2430-06204        | 00000/0000                   | 2-20026/0163                | 05/26/76         | 10                  | 6826          | 50.9         | 142.3        | PGGG                               |                     |                      | 177                   | 21                   |
| 05931E 5309N                            | 2705-06085        | 00000/0000                   | 2-20038/0228                | 12/27/76         | 10                  | 9824          | 9.6          | 153.6        | FFFF                               |                     |                      | 174                   | 23                   |
| 05931E 5018N                            | 2470-06112        | 00000/0000                   | 2-20024/1679                | 05/06/76         | 0                   | 6517          | 50.0         | 138.0        | GGGG                               |                     |                      | 175                   | 25                   |
| 05931E 3017N                            | 2681-05421        | 00000/0000                   | 2-20037/0063                | 12/03/76         | 40                  | 9489          | 29.1         | 145.5        | FGGG                               |                     |                      | 170                   | 39                   |
| 05931E 3012N                            | 2519-05472        | 00000/0000                   | 2-20027/0466                | 06/24/76         | 0                   | 7230          | 58.5         | 94.3         | GGGG                               |                     |                      | 170                   | 39                   |
| 05930E 3013N                            | 2663-05425        | 00000/0000                   | 2-20036/0693                | 11/15/76         | 10                  | 9238          | 32.9         | 144.6        | FGGG                               |                     |                      | 170                   | 39                   |
| 05929E 5308N                            | 2723-06081        | 00000/0000                   | 2-20038/1404                | 01/14/77         | 30                  | 75            | 10.9         | 151.0        | GGGG                               |                     |                      | 176                   | 23                   |
| 05929E 5020N                            | 2578-06083        | 00000/0000                   | 2-20030/1728                | 08/22/76         | 0                   | 8053          | 44.7         | 138.1        | GGGG                               |                     |                      | 175                   | 25                   |
| 05929E 4317N                            | 2450-06023        | 00000/0000                   | 2-20023/0269                | 04/16/76         | 80                  | 6268          | 48.0         | 133.1        | GGGG                               |                     |                      | 173                   | 30                   |
| 05929E 4314N                            | 2468-06020        | 00000/0000                   | 2-20024/1380                | 05/04/76         | 20                  | 6519          | 53.2         | 128.7        | FGGG                               |                     |                      | 173                   | 30                   |
| 05929E 3012N                            | 2609-05445        | 00000/0000                   | 2-20037/1782                | 09/22/76         | 0                   | 8485          | 47.0         | 128.1        | GGGG                               |                     |                      | 170                   | 39                   |
| 05928E 5305N                            | 2471-06162        | 00000/0000                   | 2-20024/1688                | 05/07/76         | 10                  | 6561          | 48.6         | 141.5        | GGGG                               |                     |                      | 176                   | 23                   |
| 05928E 5017N                            | 2576-06080        | 00000/0000                   | 2-20037/0730                | 09/09/76         | 90                  | 8304          | 39.3         | 143.1        | GGGG                               |                     |                      | 175                   | 25                   |
| 05928E 5012N                            | 2488-06110        | 00000/0000                   | 2-20025/1150                | 05/24/76         | 60                  | 6798          | 53.8         | 134.4        | GGGG                               |                     |                      | 175                   | 25                   |
| 05928E 3014N                            | 2393-05505        | 00000/0000                   | 2-20021/0159                | 02/19/76         | 10                  | 5473          | 35.6         | 134.6        | GGGG                               |                     |                      | 170                   | 39                   |
| 05928E 3009N                            | 2375-05512        | 00000/0000                   | 2-20020/0736                | 02/01/76         | 100                 | 5222          | 31.2         | 139.0        | PGFF                               |                     |                      | 170                   | 39                   |
| 05927E 5546N                            | 2544-06132        | 00000/0000                   | 2-20028/1903                | 07/19/76         | 90                  | 7579          | 49.6         | 138.9        | GGGG                               |                     |                      | 177                   | 21                   |
| 05927E 5310N                            | 2579-06132        | 00000/0000                   | 2-20032/0326                | 08/23/76         | 20                  | 8067          | 42.7         | 141.6        | GGGG                               |                     |                      | 176                   | 23                   |
| 05927E 5012N                            | 2686-06044        | 00000/0000                   | 2-20037/0456                | 12/08/76         | 0                   | 9559          | 13.1         | 154.3        | GGGG                               |                     |                      | 175                   | 25                   |
| 05927E 3439N                            | 2466-05531        | 00000/0000                   | 2-20024/1574                | 05/02/76         | 0                   | 6491          | 55.9         | 116.4        | GGGG                               |                     |                      | 171                   | 36                   |
| 05927E 3011N                            | 2645-05433        | 00000/0000                   | 2-20035/0213                | 10/28/76         | 10                  | 8987          | 37.6         | 141.4        | GGGG                               |                     |                      | 170                   | 39                   |
| 05926E 6006N                            | 2474-06312        | 00000/0000                   | 2-20025/0209                | 05/10/76         | 80                  | 6603          | 44.8         | 150.3        | GGGG                               |                     |                      | 179                   | 18                   |
| 05926E 5308N                            | 2597-06125        | 00000/0000                   | 2-20032/1069                | 09/10/76         | 90                  | 8318          | 37.1         | 146.1        | FGGG                               |                     |                      | 176                   | 23                   |
| 05926E 4312N                            | 2702-05544        | 00000/0000                   | 2-20038/0511                | 12/24/76         | 10                  | 9782          | 17.2         | 149.6        | GGGG                               |                     |                      | 173                   | 30                   |
| 05926E 3442N                            | 2448-05534        | 00000/0000                   | 2-20023/0161                | 04/14/76         | 90                  | 6240          | 51.3         | 123.0        | GGGG                               |                     |                      | 171                   | 36                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05926E 3441N                            | 2574-05501        | 00000/0000                   | 2-20030/1506                | 08/18/76         | 0                   | 7997            | 52.5         | 116.8        | FGGG                               |                     |                      | 171                   | 36                   |
| 05925E 5010N                            | 2542-06093        | 00000/0000                   | 2-20028/1651                | 07/17/76         | 50                  | 7531            | 52.8         | 130.4        | GGGG                               |                     |                      | 175                   | 25                   |
| 05925E 4314N                            | 2720-05540        | 00000/0000                   | 2-20038/1283                | 01/11/77         | 70                  | 33              | 17.8         | 147.0        | GGGG                               |                     |                      | 173                   | 30                   |
| 05925E 4312N                            | 2432-06031        | 00000/0000                   | 2-20022/0789                | 03/29/76         | 0                   | 6017            | 41.7         | 136.7        | GGGG                               |                     |                      | 173                   | 30                   |
| 05925E 2436N                            | 2698-05372        | 00000/0000                   | 2-20037/1226                | 12/20/76         | 30                  | 9726            | 30.8         | 141.5        | PPPP                               |                     |                      | 169                   | 43                   |
| 05925E 2435N                            | 2716-05363        | 00000/0000                   | 2-20038/0960                | 01/07/77         | 20                  | 9977            | 30.3         | 138.8        | FFFF                               |                     |                      | 169                   | 43                   |
| 05924E 5304N                            | 2687-06094        | 00000/0000                   | 2-20037/0512                | 12/09/76         | 0                   | 9573            | 10.7         | 155.5        | GGGG                               |                     |                      | 176                   | 23                   |
| 05924E 3902N                            | 2449-05520        | 00000/0000                   | 2-20023/0213                | 04/15/76         | 80                  | 6254            | 49.8         | 128.2        | GGGG                               |                     |                      | 172                   | 33                   |
| 05924E 3438N                            | 2552-05494        | 00000/0000                   | 2-20032/0714                | 09/05/76         | 0                   | 8248            | 48.9         | 125.1        | FGGG                               |                     |                      | 171                   | 36                   |
| 05924E 3438N                            | 2700-05455        | 00000/0000                   | 2-20037/1267                | 12/22/76         | 30                  | 9754            | 23.7         | 146.2        | FGGG                               |                     |                      | 171                   | 36                   |
| 05924E 3438N                            | 2718-05450        | 00000/0000                   | 2-20038/0902                | 01/09/77         | 50                  | 5               | 23.7         | 143.5        | GGGG                               |                     |                      | 171                   | 36                   |
| 05923E 6006N                            | 2582-06282        | 00000/0000                   | 2-20032/0103                | 08/26/76         | 90                  | 8109            | 37.2         | 150.2        | GGGG                               |                     |                      | 179                   | 18                   |
| 05923E 5543N                            | 2526-06195        | 00000/0000                   | 2-20028/0437                | 07/01/76         | 40                  | 7328            | 52.0         | 138.3        | GGGG                               |                     |                      | 177                   | 21                   |
| 05923E 5305N                            | 2551-06135        | 00000/0000                   | 2-20030/0861                | 08/05/76         | 30                  | 7816            | 47.5         | 137.5        | GGFF                               |                     |                      | 176                   | 23                   |
| 05923E 5013N                            | 2614-06073        | 00000/0000                   | 2-20034/0081                | 09/27/76         | 30                  | 8555            | 33.4         | 147.9        | GGGG                               |                     |                      | 175                   | 25                   |
| 05923E 5005N                            | 2506-06103        | 00000/0000                   | 2-20026/1324                | 06/11/76         | 0                   | 7049            | 55.4         | 131.0        | GGGG                               |                     |                      | 175                   | 25                   |
| 05922E 6003N                            | 2554-06285        | 00000/0000                   | 2-20032/0202                | 08/08/76         | 40                  | 7858            | 42.5         | 147.1        | GGGG                               |                     |                      | 179                   | 18                   |
| 05922E 5259N                            | 2489-06155        | 00000/0000                   | 2-20026/0042                | 05/25/76         | 20                  | 6812            | 52.4         | 138.4        | GGGG                               |                     |                      | 176                   | 23                   |
| 05922E 4309N                            | 2684-05553        | 00000/0000                   | 2-20037/0346                | 12/06/76         | 0                   | 9531            | 18.9         | 151.3        | PPFF                               |                     |                      | 173                   | 30                   |
| 05922E 4303N                            | 2504-06011        | 00000/0000                   | 2-20026/1093                | 06/09/76         | 0                   | 7021            | 58.1         | 119.4        | GFGG                               |                     |                      | 173                   | 30                   |
| 05922E 3858N                            | 2467-05573        | 00000/0000                   | 2-20024/0891                | 05/03/76         | 10                  | 6505            | 54.7         | 122.7        | GGGG                               |                     |                      | 172                   | 33                   |
| 05922E 2433N                            | 2650-05380        | 00000/0000                   | 2-20036/1803                | 12/02/76         | 10                  | 9475            | 33.3         | 142.4        | GFGP                               |                     |                      | 169                   | 43                   |
| 05921E 5257N                            | 2525-06145        | 00000/0000                   | 2-20028/0488                | 06/30/76         | 20                  | 7314            | 53.6         | 134.0        | FGGG                               |                     |                      | 176                   | 23                   |
| 05921E 5003N                            | 2524-06100        | 00000/0000                   | 2-20028/0378                | 06/29/76         | 40                  | 7300            | 55.0         | 129.4        | GGGG                               |                     |                      | 175                   | 25                   |
| 05921E 3856N                            | 2719-05493        | 00000/0000                   | 2-20038/1184                | 01/10/77         | 40                  | 19              | 20.8         | 145.2        | FFFF                               |                     |                      | 172                   | 33                   |
| 05921E 3434N                            | 2682-05463        | 00000/0000                   | 2-20037/0015                | 12/04/76         | 60                  | 9503            | 25.8         | 147.5        | GGFF                               |                     |                      | 171                   | 36                   |
| 05921E 3431N                            | 2502-05521        | 00000/0000                   | 2-20026/0952                | 06/07/76         | 10                  | 6993            | 59.6         | 104.1        | GGFG                               |                     |                      | 171                   | 36                   |
| 05920E 3429N                            | 2412-05545        | 00000/0000                   | 2-20021/1361                | 03/09/76         | 10                  | 5738            | 39.3         | 133.1        | GGFG                               |                     |                      | 171                   | 36                   |
| 05919E 5257N                            | 2543-06142        | 00000/0000                   | 2-20028/1858                | 07/18/76         | 90                  | 7585            | 51.3         | 134.7        | GGGG                               |                     |                      | 176                   | 23                   |
| 05919E 5256N                            | 2507-06152        | 00000/0000                   | 2-20026/1497                | 06/12/76         | 10                  | 7063            | 54.0         | 135.5        | GGGG                               |                     |                      | 176                   | 23                   |
| 05919E 4301N                            | 2522-06004        | 00000/0000                   | 2-20028/0182                | 06/27/76         | 10                  | 7272            | 57.7         | 117.5        | GGFF                               |                     |                      | 173                   | 30                   |
| 05919E 3854N                            | 2431-05584        | 00000/0000                   | 2-20022/0753                | 03/28/76         | 10                  | 6003            | 43.7         | 132.7        | GGGG                               |                     |                      | 172                   | 33                   |
| 05918E 4301N                            | 2414-06034        | 00000/0000                   | 2-20021/1475                | 03/11/76         | 50                  | 5766            | 35.0         | 139.4        | FFFF                               |                     |                      | 173                   | 30                   |
| 05918E 3851N                            | 2653-05510        | 00000/0000                   | 2-20037/0146                | 12/05/76         | 80                  | 9517            | 22.4         | 149.5        | GGGG                               |                     |                      | 172                   | 33                   |
| 05918E 3847N                            | 2503-05564        | 00000/0000                   | 2-20026/1037                | 06/08/76         | 20                  | 7007            | 59.1         | 111.8        | GGGG                               |                     |                      | 172                   | 33                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, SAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05918E 3429N                            | 2646-05480        | 00000/0000 2-20035/0197                            | 10/29/76         | 70                  | 9001            | 34.4         | 144.5        | GGGG                               |                     |                      | 171                   | 36                   |
| 05918E 3428N                            | 2664-05472        | 00000/0000 2-20036/0805                            | 11/16/76         | 10                  | 9252            | 29.6         | 147.1        | FFGG                               |                     |                      | 171                   | 36                   |
| 05917E 5955N                            | 2546-06293        | 00000/0000 2-20029/0104                            | 07/21/76         | 40                  | 7607            | 46.8         | 145.0        | GGGG                               |                     |                      | 179                   | 18                   |
| 05915E 3845N                            | 2665-05514        | 00000/0000 2-20037/0249                            | 11/17/76         | 0                   | 9266            | 26.1         | 149.3        | GGGG                               |                     |                      | 172                   | 33                   |
| 05913E 5952N                            | 2528-06300        | 00000/0000 2-20028/0588                            | 07/03/76         | 70                  | 7356            | 49.4         | 144.7        | GGGG                               |                     |                      | 179                   | 18                   |
| 05913E 5949N                            | 2510-06303        | 00000/0000 2-20026/1524                            | 06/15/76         | 80                  | 7105            | 50.1         | 145.8        | GGGG                               |                     |                      | 179                   | 18                   |
| 05913E 2858N                            | 2447-05493        | 00000/0000 2-20023/0094                            | 04/13/76         | 0                   | 6226            | 52.9         | 115.6        | GGFG                               |                     |                      | 170                   | 40                   |
| 05912E 2855N                            | 2465-05490        | 00000/0000 2-20024/1067                            | 05/01/76         | 10                  | 6477            | 56.8         | 107.5        | GGGG                               |                     |                      | 170                   | 40                   |
| 05910E 2855N                            | 2573-05461        | 00000/0000 2-20030/1382                            | 08/17/76         | 0                   | 7983            | 53.9         | 108.0        | GGGG                               |                     |                      | 170                   | 40                   |
| 05910E 2855N                            | 2699-05414        | 00000/0000 2-20037/1178                            | 12/21/76         | 50                  | 9740            | 27.8         | 143.6        | GGGG                               |                     |                      | 170                   | 40                   |
| 05910E 2849N                            | 2537-05471        | 00000/0000 2-20028/1216                            | 07/12/76         | 10                  | 7481            | 57.5         | 94.0         | GGGG                               |                     |                      | 170                   | 40                   |
| 05909E 2854N                            | 2717-05410        | 00000/0000 2-20038/1079                            | 01/08/77         | 60                  | 9991            | 27.5         | 140.9        | GGGG                               |                     |                      | 170                   | 40                   |
| 05908E 2847N                            | 2511-05421        | 00000/0000 2-20026/0878                            | 06/06/76         | 20                  | 6979            | 59.4         | 93.8         | GGGG                               |                     |                      | 170                   | 40                   |
| 05906E 2851N                            | 2651-05423        | 00000/0000 2-20037/0064                            | 12/03/76         | 10                  | 9489            | 30.1         | 144.7        | GGGG                               |                     |                      | 170                   | 40                   |
| 05905E 4604N                            | 2721-05585        | 00000/0000 2-20038/0996                            | 01/12/77         | 30                  | 47              | 15.9         | 148.0        | GGGG                               |                     |                      | 174                   | 28                   |
| 05905E 2847N                            | 2663-05432        | 00000/0000 2-20036/0694                            | 11/15/76         | 0                   | 9238            | 33.9         | 143.7        | GGGG                               |                     |                      | 170                   | 40                   |
| 05905E 2846N                            | 2609-05451        | 00000/0000 2-20032/1783                            | 09/22/76         | 0                   | 8485            | 47.7         | 126.6        | GGGG                               |                     |                      | 170                   | 40                   |
| 05904E 2843N                            | 2375-05514        | 00000/0000 2-20020/0799                            | 02/01/76         | 100                 | 5222            | 32.1         | 138.1        | GGGG                               |                     |                      | 170                   | 40                   |
| 05903E 2848N                            | 2393-05511        | 00000/0000 2-20021/0160                            | 02/19/76         | 0                   | 5473            | 36.4         | 133.6        | GGGG                               |                     |                      | 170                   | 40                   |
| 05903E 2845N                            | 2645-05440        | 00000/0000 2-20035/0214                            | 10/28/76         | 0                   | 8987            | 38.6         | 140.4        | GGGG                               |                     |                      | 170                   | 40                   |
| 05903E 2844N                            | 2411-05505        | 00000/0000 2-20021/1231                            | 03/08/76         | 10                  | 5724            | 41.9         | 128.4        | GGGG                               |                     |                      | 170                   | 40                   |
| 05902E 4559N                            | 2635-06002        | 00000/0000 2-20036/1838                            | 12/07/76         | 10                  | 9545            | 16.6         | 152.5        | GGGG                               |                     |                      | 174                   | 28                   |
| 05901E 5723N                            | 2591-06233        | 00000/0000 2-20030/1848                            | 08/25/76         | 80                  | 8095            | 39.4         | 146.8        | GGGG                               |                     |                      | 178                   | 20                   |
| 05901E 3313N                            | 2460-05533        | 00000/0000 2-20024/1575                            | 05/02/76         | 10                  | 6491            | 56.2         | 114.1        | GGGG                               |                     |                      | 171                   | 37                   |
| 05900E 5718N                            | 2473-05263        | 00000/0000 2-20024/1882                            | 05/09/76         | 70                  | 6589            | 46.5         | 146.7        | GGGG                               |                     |                      | 178                   | 20                   |
| 05900E 3316N                            | 2574-05504        | 00000/0000 2-20030/1507                            | 08/18/76         | 0                   | 7997            | 52.9         | 114.8        | GGGG                               |                     |                      | 171                   | 37                   |
| 05900E 3315N                            | 2448-05540        | 00000/0000 2-20023/0162                            | 04/14/76         | 20                  | 6240            | 51.8         | 121.1        | GGGG                               |                     |                      | 171                   | 37                   |
| 05859E 3312N                            | 2700-05461        | 00000/0000 2-20037/1268                            | 12/22/76         | 20                  | 9754            | 24.7         | 145.5        | GGGG                               |                     |                      | 171                   | 37                   |
| 05858E 4152N                            | 2451-06030        | 00000/0000 2-20023/0270                            | 04/16/76         | 80                  | 6268            | 48.7         | 131.4        | GGGG                               |                     |                      | 173                   | 31                   |
| 05858E 4149N                            | 2458-06023        | 00000/0000 2-20024/1381                            | 05/04/76         | 10                  | 6519            | 53.8         | 126.6        | GGGG                               |                     |                      | 173                   | 31                   |
| 05858E 3313N                            | 2592-05501        | 00000/0000 2-20032/0715                            | 09/05/76         | 0                   | 8248            | 49.5         | 123.4        | GGGG                               |                     |                      | 171                   | 37                   |
| 05858E 3312N                            | 2718-05453        | 00000/0000 2-20038/0903                            | 01/09/77         | 30                  | 5               | 24.7         | 142.8        | GGGG                               |                     |                      | 171                   | 37                   |
| 05856E 5715N                            | 2563-06240        | 00000/0000 2-20030/0957                            | 08/07/76         | 30                  | 7844            | 44.6         | 143.3        | GGGG                               |                     |                      | 178                   | 20                   |
| 05856E 3304N                            | 2502-05524        | 00000/0000 2-20026/0953                            | 06/07/76         | 20                  | 6993            | 59.6         | 101.4        | GGGG                               |                     |                      | 171                   | 37                   |
| 05855E 3735N                            | 2449-05583        | 00000/0000 2-20023/0214                            | 04/15/76         | 40                  | 6254            | 50.4         | 126.4        | GGGG                               |                     |                      | 172                   | 34                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RGN<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05855E 3308N                            | 2682-05470        | 00000/0000                   | 2-20037/0016                | 12/04/76         | 50                  | 9503            | 26.8         | 146.9        | GGGG                               |                     |                      | 171                   | 37                   |
| 05854E 4857N                            | 2452-0612P        | 00000/0000                   | 2-20023/0391                | 04/18/76         | 80                  | 6296            | 45.5         | 139.3        | GFGG                               |                     |                      | 175                   | 26                   |
| 05854E 4148N                            | 2720-0554P        | 00000/0000                   | 2-20038/1284                | 01/11/77         | 80                  | 33              | 18.8         | 146.3        | GGGG                               |                     |                      | 173                   | 31                   |
| 05854E 4147N                            | 2702-05551        | 00000/0000                   | 2-20038/0512                | 12/24/76         | 30                  | 9782            | 18.3         | 149.0        | GGGG                               |                     |                      | 173                   | 31                   |
| 05854E 3733N                            | 2467-05580        | 00000/0000                   | 2-20024/0892                | 05/03/76         | 0                   | 6505            | 55.2         | 120.5        | GGGG                               |                     |                      | 172                   | 34                   |
| 05854E 3304N                            | 2412-05551        | 00000/0000                   | 2-20021/1362                | 03/09/76         | 10                  | 5738            | 40.0         | 131.9        | GGGF                               |                     |                      | 171                   | 37                   |
| 05853E 4855N                            | 2704-06042        | 00000/0000                   | 2-20038/0193                | 12/26/76         | 10                  | 9810            | 12.8         | 151.8        | PPPP                               |                     |                      | 175                   | 26                   |
| 05853E 4853N                            | 2470-06115        | 00000/0000                   | 2-20024/1680                | 05/06/76         | 10                  | 6547            | 50.8         | 136.1        | GGGG                               |                     |                      | 175                   | 26                   |
| 05852E 5439N                            | 2454-06220        | 00000/0000                   | 2-20024/0085                | 04/20/76         | 40                  | 6324            | 42.6         | 145.5        | GGGG                               |                     |                      | 177                   | 22                   |
| 05852E 3730N                            | 2719-05500        | 00000/0000                   | 2-20038/1185                | 01/10/77         | 10                  | 19              | 21.8         | 144.6        | FGGG                               |                     |                      | 172                   | 34                   |
| 05852E 3303N                            | 2646-0548P        | 00000/0000                   | 2-20035/0198                | 10/29/76         | 80                  | 9001            | 35.4         | 143.5        | GGGG                               |                     |                      | 171                   | 37                   |
| 05852E 3303N                            | 2664-05474        | 00000/0000                   | 2-20036/0806                | 11/16/76         | 10                  | 9252            | 30.6         | 146.3        | FGGG                               |                     |                      | 171                   | 37                   |
| 05851E 4855N                            | 2722-06034        | 00000/0000                   | 2-20038/1311                | 01/13/77         | 70                  | 61              | 13.9         | 149.2        | G FF                               |                     |                      | 175                   | 26                   |
| 05851E 4144N                            | 2684-05555        | 00000/0000                   | 2-20037/0347                | 12/06/76         | 10                  | 9531            | 20.0         | 150.7        | PPPP                               |                     |                      | 173                   | 31                   |
| 05851E 4137N                            | 2504-06014        | 00000/0000                   | 2-20026/1094                | 06/09/76         | 10                  | 7021            | 58.5         | 116.8        | FFGG                               |                     |                      | 173                   | 31                   |
| 05851E 3730N                            | 2557-05554        | 00000/0000                   | 2-20030/0552                | 08/01/76         | 0                   | 7760            | 54.6         | 114.2        | GGGG                               |                     |                      | 172                   | 34                   |
| 05851E 3729N                            | 2593-05544        | 00000/0000                   | 2-20032/0837                | 09/06/76         | 0                   | 8262            | 47.4         | 128.9        | GGGG                               |                     |                      | 172                   | 34                   |
| 05851E 3728N                            | 2431-05590        | 00000/0000                   | 2-20022/0754                | 03/28/76         | 10                  | 6003            | 44.4         | 131.2        | GGGG                               |                     |                      | 172                   | 34                   |
| 05851E 3723N                            | 2485-05573        | 00000/0000                   | 2-20025/1025                | 05/21/76         | 10                  | 6756            | 58.2         | 114.2        | GGGG                               |                     |                      | 172                   | 34                   |
| 05850E 5708N                            | 2527-06250        | 00000/0000                   | 2-20028/0575                | 07/02/76         | 90                  | 7342            | 51.1         | 140.5        | GGGF                               |                     |                      | 178                   | 20                   |
| 05850E 5708N                            | 2545-06243        | 00000/0000                   | 2-20029/0085                | 07/20/76         | 100                 | 7593            | 48.6         | 140.9        | GFGF                               |                     |                      | 178                   | 20                   |
| 05850E 5148N                            | 2453-06171        | 00000/0000                   | 2-20023/0429                | 04/19/76         | 10                  | 6310            | 44.1         | 142.4        | GFGG                               |                     |                      | 176                   | 24                   |
| 05850E 3725N                            | 2683-0551P        | 00000/0000                   | 2-20037/0147                | 12/05/76         | 90                  | 9517            | 23.5         | 148.8        | GGGG                               |                     |                      | 172                   | 34                   |
| 05850E 3721N                            | 2503-05571        | 00000/0000                   | 2-20026/1038                | 06/08/76         | 30                  | 7007            | 59.3         | 109.2        | FGGG                               |                     |                      | 172                   | 34                   |
| 05850E 2731N                            | 2447-05500        | 00000/0000                   | 2-20023/0095                | 04/13/76         | 0                   | 6226            | 53.2         | 113.6        | GGGG                               |                     |                      | 170                   | 41                   |
| 05849E 5705N                            | 2509-06253        | 00000/0000                   | 2-20026/1523                | 06/14/76         | 70                  | 7091            | 51.8         | 141.7        | GGGG                               |                     |                      | 178                   | 20                   |
| 05849E 2729N                            | 2465-05493        | 00000/0000                   | 2-20024/1068                | 05/01/76         | 0                   | 6477            | 57.0         | 105.2        | GGGG                               |                     |                      | 170                   | 41                   |
| 05848E 5432N                            | 2472-06213        | 00000/0000                   | 2-20024/1607                | 05/08/76         | 40                  | 6575            | 48.0         | 143.2        | GGGG                               |                     |                      | 177                   | 22                   |
| 05848E 5145N                            | 2705-0609P        | 00000/0000                   | 2-20038/0202                | 12/27/76         | 0                   | 9824            | 10.7         | 152.9        | F FF                               |                     |                      | 176                   | 24                   |
| 05848E 4850N                            | 2560-0609P        | 00000/0000                   | 2-20030/0798                | 08/04/76         | 10                  | 7802            | 50.0         | 131.6        | GGGG                               |                     |                      | 175                   | 26                   |
| 05848E 4848N                            | 2636-06051        | 00000/0000                   | 2-20037/0457                | 12/08/76         | 0                   | 9559            | 14.3         | 153.6        | GGGG                               |                     |                      | 175                   | 26                   |
| 05847E 3720N                            | 2665-05521        | 00000/0000                   | 2-20037/0250                | 11/17/76         | 0                   | 9266            | 27.2         | 148.6        | GGGG                               |                     |                      | 172                   | 34                   |
| 05846E 5144N                            | 2723-06083        | 00000/0000                   | 2-20038/1405                | 01/14/77         | 10                  | 75              | 12.0         | 150.3        | FGGG                               |                     |                      | 176                   | 24                   |
| 05846E 4846N                            | 2542-06100        | 00000/0000                   | 2-20028/1652                | 07/17/76         | 50                  | 7551            | 53.4         | 128.2        | GGGG                               |                     |                      | 175                   | 26                   |
| 05846E 3717N                            | 2377-06004        | 00000/0000                   | 2-20020/0853                | 02/03/76         | 70                  | 5250            | 27.0         | 142.6        | FGGG                               |                     |                      | 172                   | 34                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05846E                                  | 2729N             | 2573-05463                   | 00000/0000                  | 2-20030/1383     | 08/17/76            | 20              | 7983         | 54.0         | 105.8                              | GGGG                |                      | 170                   | 41                   |
| 05846E                                  | 2729N             | 2699-05421                   | 00000/0000                  | 2-20037/1179     | 12/21/76            | 20              | 9740         | 28.8         | 142.9                              | PGFG                |                      | 170                   | 41                   |
| 05846E                                  | 2723N             | 2537-05474                   | 00000/0000                  | 2-20028/1217     | 07/12/76            | 0               | 7481         | 57.3         | 91.6                               | GFGF                |                      | 170                   | 41                   |
| 05845E                                  | 5432N             | 2436-06224                   | 00000/0000                  | 2-20027/1146     | 04/02/76            | 20              | 6073         | 36.1         | 146.9                              | GGGG                |                      | 177                   | 22                   |
| 05845E                                  | 5141N             | 2471-06164                   | 00000/0000                  | 2-20024/1689     | 05/07/76            | 10              | 6561         | 49.5         | 139.6                              | GGGG                |                      | 176                   | 24                   |
| 05845E                                  | 4841N             | 2506-06110                   | 00000/0000                  | 2-20026/1325     | 06/11/76            | 20              | 7049         | 56.1         | 128.7                              | GGGG                |                      | 175                   | 26                   |
| 05845E                                  | 3719N             | 2647-05525                   | 00000/0000                  | 2-20035/0403     | 10/30/76            | 100             | 9018         | 32.1         | 146.4                              | GG                  |                      | 172                   | 34                   |
| 05845E                                  | 2727N             | 2717-05413                   | 00000/0000                  | 2-20038/1080     | 01/08/77            | 90              | 9991         | 28.5         | 140.2                              | GGGG                |                      | 170                   | 41                   |
| 05845E                                  | 2722N             | 2501-05484                   | 00000/0000                  | 2-20026/0879     | 06/06/76            | 20              | 6979         | 59.2         | 91.2                               | GGGG                |                      | 170                   | 41                   |
| 05844E                                  | 5422N             | 2490-06211                   | 00000/0000                  | 2-20026/0164     | 05/26/76            | 10              | 6826         | 51.7         | 140.3                              | PGGG                |                      | 177                   | 22                   |
| 05844E                                  | 5146N             | 2579-06134                   | 00000/0000                  | 2-20037/0327     | 08/23/76            | 20              | 8067         | 43.5         | 140.1                              | FGGG                |                      | 176                   | 24                   |
| 05843E                                  | 5430N             | 2598-06181                   | 00000/0000                  | 2-20032/1155     | 09/11/76            | 90              | 8332         | 35.8         | 147.7                              | GGGG                |                      | 177                   | 22                   |
| 05843E                                  | 4839N             | 2524-06100                   | 00000/0000                  | 2-20028/0379     | 06/29/76            | 50              | 7300         | 55.6         | 127.1                              | GGGG                |                      | 175                   | 26                   |
| 05843E                                  | 2725N             | 2681-05430                   | 00000/0000                  | 2-20037/0065     | 12/03/76            | 20              | 9489         | 31.1         | 144.0                              | FGGG                |                      | 170                   | 41                   |
| 05842E                                  | 5140N             | 2637-06100                   | 00000/0000                  | 2-20037/0513     | 12/09/76            | 10              | 9573         | 11.9         | 154.9                              | PGFG                |                      | 176                   | 24                   |
| 05841E                                  | 5141N             | 2561-06142                   | 00000/0000                  | 2-20030/0862     | 08/05/76            | 20              | 7816         | 48.3         | 135.6                              | GGGG                |                      | 176                   | 24                   |
| 05841E                                  | 2721N             | 2663-05434                   | 00000/0000                  | 2-20036/0695     | 11/15/76            | 20              | 9238         | 34.9         | 142.9                              | PGGG                |                      | 170                   | 41                   |
| 05841E                                  | 2719N             | 2609-05454                   | 00000/0000                  | 2-20032/1784     | 09/22/76            | 0               | 8485         | 48.3         | 125.0                              | GGGG                |                      | 170                   | 41                   |
| 05840E                                  | 5135N             | 2489-06161                   | 00000/0000                  | 2-20026/0043     | 05/25/76            | 20              | 6812         | 53.2         | 136.3                              | GGGG                |                      | 176                   | 24                   |
| 05840E                                  | 2722N             | 2393-05514                   | 00000/0000                  | 2-20021/0161     | 02/19/76            | 10              | 5473         | 37.2         | 132.5                              | GGGG                |                      | 170                   | 41                   |
| 05840E                                  | 2719N             | 2645-05442                   | 00000/0000                  | 2-20035/0215     | 10/28/76            | 0               | 8987         | 39.5         | 139.3                              | GGGG                |                      | 170                   | 41                   |
| 05840E                                  | 2717N             | 2375-05521                   | 00000/0000                  | 2-20020/0800     | 02/01/76            | 100             | 5222         | 33.0         | 137.2                              | GFGF                |                      | 170                   | 41                   |
| 05839E                                  | 5422N             | 2544-06194                   | 00000/0000                  | 2-20028/1904     | 07/19/76            | 90              | 7579         | 50.4         | 136.8                              | GGGG                |                      | 177                   | 22                   |
| 05839E                                  | 5419N             | 2508-06204                   | 00000/0000                  | 2-20026/1442     | 06/13/76            | 50              | 7077         | 53.3         | 137.5                              | GFGG                |                      | 177                   | 22                   |
| 05839E                                  | 5133N             | 2525-06100                   | 00000/0000                  | 2-20028/0489     | 06/30/76            | 10              | 7314         | 54.2         | 131.8                              | FGGG                |                      | 176                   | 24                   |
| 05837E                                  | 5133N             | 2543-06145                   | 00000/0000                  | 2-20028/1859     | 07/18/76            | 80              | 7565         | 52.0         | 132.6                              | GGGG                |                      | 176                   | 24                   |
| 05837E                                  | 5132N             | 2517-06158                   | 00000/0000                  | 2-20026/1498     | 06/12/76            | 30              | 7063         | 54.8         | 133.2                              | GGGG                |                      | 176                   | 24                   |
| 05837E                                  | 5132N             | 2669-06105                   | 00000/0000                  | 2-20036/0536     | 11/21/76            | 90              | 9322         | 15.2         | 155.6                              | GGGG                |                      | 176                   | 24                   |
| 05836E                                  | 5415N             | 2521-06201                   | 00000/0000                  | 2-20028/0438     | 07/01/76            | 50              | 7328         | 52.8         | 136.1                              | GGGG                |                      | 177                   | 22                   |
| 05836E                                  | 3147N             | 2466-05540                   | 00000/0000                  | 2-20024/1576     | 05/02/76            | 10              | 6491         | 56.6         | 111.8                              | GGGG                |                      | 171                   | 38                   |
| 05834E                                  | 3150N             | 2574-05510                   | 00000/0000                  | 2-20030/1508     | 08/18/76            | 10              | 7997         | 53.2         | 112.7                              | FFGG                |                      | 171                   | 38                   |
| 05834E                                  | 3149N             | 2448-05543                   | 00000/0000                  | 2-20023/0163     | 04/14/76            | 30              | 6240         | 52.3         | 119.1                              | FFGG                |                      | 171                   | 38                   |
| 05833E                                  | 4437N             | 2703-06000                   | 00000/0000                  | 2-20038/0155     | 12/25/76            | 60              | 9796         | 16.1         | 150.1                              | GGGG                |                      | 174                   | 29                   |
| 05833E                                  | 3147N             | 2700-05464                   | 00000/0000                  | 2-20037/1269     | 12/22/76            | 20              | 9754         | 25.7         | 144.9                              | GFGG                |                      | 171                   | 38                   |
| 05832E                                  | 3146N             | 2592-05503                   | 00000/0000                  | 2-20032/0716     | 09/05/76            | 0               | 8248         | 50.0         | 121.6                              | FGGG                |                      | 171                   | 38                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05831E                                  | 5846N             | 2456-06321                   | 00000/0000                  | 2-20024/0460     | 04/22/76            | 50              | 6352         | 40.4         | 150.0                              | GGGG                |                      | 179                   | 19                   |
| 05831E                                  | 4439N             | 2721-05591                   | 00000/0000                  | 2-20038/0997     | 01/12/77            | 20              | 47           | 16.9         | 147.4                              | FFFF                |                      | 174                   | 29                   |
| 05831E                                  | 3139N             | 2502-05530                   | 00000/0000                  | 2-20026/0954     | 06/07/76            | 40              | 6993         | 59.6         | 98.8                               | GGFG                |                      | 171                   | 38                   |
| 05830E                                  | 3142N             | 2682-05472                   | 00000/0000                  | 2-20037/0017     | 12/04/76            | 20              | 9503         | 27.9         | 146.2                              | FGFG                |                      | 171                   | 38                   |
| 05829E                                  | 3138N             | 2412-05554                   | 00000/0000                  | 2-20021/1363     | 03/05/76            | 10              | 5738         | 40.8         | 130.7                              | GFFF                |                      | 171                   | 38                   |
| 05828E                                  | 5842N             | 2474-06314                   | 00000/0000                  | 2-20025/0210     | 05/10/76            | 70              | 6603         | 45.7         | 148.5                              | GGGG                |                      | 179                   | 19                   |
| 05828E                                  | 4024N             | 2468-06025                   | 00000/0000                  | 2-20024/1382     | 05/04/76            | 20              | 6519         | 54.4         | 124.5                              | GGGG                |                      | 173                   | 32                   |
| 05827E                                  | 5843N             | 2438-06325                   | 00000/0000                  | 2-20022/1348     | 04/04/76            | 90              | 6101         | 33.9         | 150.9                              | GGGG                |                      | 179                   | 19                   |
| 05827E                                  | 4434N             | 2685-06004                   | 00000/0000                  | 2-20036/1839     | 12/07/76            | 50              | 9545         | 17.7         | 151.9                              | FGGG                |                      | 174                   | 29                   |
| 05827E                                  | 4026N             | 2450-06032                   | 00000/0000                  | 2-20023/0271     | 04/16/76            | 80              | 6268         | 49.4         | 129.7                              | GGGG                |                      | 173                   | 32                   |
| 05827E                                  | 3138N             | 2664-05481                   | 00000/0000                  | 2-20036/0807     | 11/16/76            | 10              | 9252         | 31.6         | 145.5                              | FFFF                |                      | 171                   | 38                   |
| 05827E                                  | 2606N             | 2447-05502                   | 00000/0000                  | 2-20023/0096     | 04/13/76            | 0               | 6226         | 53.6         | 111.5                              | GGGG                |                      | 170                   | 42                   |
| 05826E                                  | 3607N             | 2467-05582                   | 00000/0000                  | 2-20024/0893     | 05/03/76            | 0               | 6505         | 55.7         | 118.3                              | GGGG                |                      | 172                   | 35                   |
| 05826E                                  | 3137N             | 2646-05485                   | 00000/0000                  | 2-20035/0199     | 10/29/76            | 80              | 9001         | 36.4         | 142.6                              | GGGG                |                      | 171                   | 38                   |
| 05825E                                  | 5843N             | 2582-06285                   | 00000/0000                  | 2-20032/0104     | 08/26/76            | 90              | 8109         | 38.1         | 148.6                              | FGGG                |                      | 179                   | 19                   |
| 05825E                                  | 3135N             | 2394-05561                   | 00000/0000                  | 2-20021/0264     | 02/20/76            | 80              | 5487         | 35.1         | 135.4                              | GGGG                |                      | 171                   | 38                   |
| 05825E                                  | 2603N             | 2465-05495                   | 00000/0000                  | 2-20024/1069     | 05/01/76            | 10              | 6477         | 57.1         | 102.8                              | GGGG                |                      | 170                   | 42                   |
| 05824E                                  | 5840N             | 2564-06222                   | 00000/0000                  | 2-20032/0203     | 08/08/76            | 40              | 7858         | 43.4         | 145.3                              | GGGG                |                      | 179                   | 19                   |
| 05824E                                  | 4022N             | 2720-05545                   | 00000/0000                  | 2-20038/1285     | 01/11/77            | 80              | 33           | 19.9         | 145.7                              | GGGG                |                      | 173                   | 32                   |
| 05824E                                  | 4021N             | 2702-05553                   | 00000/0000                  | 2-20038/0513     | 12/24/76            | 70              | 9782         | 19.4         | 148.4                              | FGFG                |                      | 173                   | 32                   |
| 05824E                                  | 3604N             | 2557-05560                   | 00000/0000                  | 2-20030/0553     | 08/01/76            | 0               | 7760         | 54.9         | 111.9                              | GGGG                |                      | 172                   | 35                   |
| 05824E                                  | 3604N             | 2719-05502                   | 00000/0000                  | 2-20038/1186     | 01/10/77            | 20              | 19           | 22.8         | 143.9                              | GGGG                |                      | 172                   | 35                   |
| 05824E                                  | 3603N             | 2431-05593                   | 00000/0000                  | 2-20022/0755     | 03/28/76            | 20              | 6003         | 45.2         | 129.7                              | GGGG                |                      | 172                   | 35                   |
| 05824E                                  | 3603N             | 2593-05550                   | 00000/0000                  | 2-20032/0838     | 09/06/76            | 0               | 8262         | 48.1         | 127.2                              | GGGG                |                      | 170                   | 42                   |
| 05824E                                  | 2557N             | 2537-05480                   | 00000/0000                  | 2-20028/1218     | 07/12/76            | 20              | 7481         | 57.0         | 89.3                               | FGGG                |                      | 179                   | 19                   |
| 05823E                                  | 5840N             | 2600-06282                   | 00000/0000                  | 2-20032/1206     | 09/13/76            | 90              | 8360         | 32.1         | 152.1                              | GGFG                |                      | 179                   | 19                   |
| 05823E                                  | 5834N             | 2492-06312                   | 00000/0000                  | 2-20026/0319     | 05/28/76            | 10              | 6854         | 49.4         | 146.1                              | GGGG                |                      | 172                   | 35                   |
| 05823E                                  | 3600N             | 2683-05515                   | 00000/0000                  | 2-20037/0148     | 12/05/76            | 80              | 9517         | 24.5         | 148.2                              | GGGG                |                      | 172                   | 35                   |
| 05823E                                  | 3555N             | 2503-05573                   | 00000/0000                  | 2-20026/1039     | 06/08/76            | 20              | 7007         | 55.5         | 106.5                              | GGFG                |                      | 170                   | 42                   |
| 05823E                                  | 2602N             | 2573-05470                   | 00000/0000                  | 2-20030/1384     | 08/17/76            | 20              | 7983         | 54.1         | 103.7                              | GGGG                |                      | 170                   | 42                   |
| 05823E                                  | 2602N             | 2699-05423                   | 00000/0000                  | 2-20037/1180     | 12/21/76            | 10              | 9740         | 29.8         | 142.2                              | FGGG                |                      | 170                   | 42                   |
| 05822E                                  | 2556N             | 2501-05490                   | 00000/0000                  | 2-20026/0880     | 06/06/76            | 10              | 6979         | 59.0         | 88.7                               | GGGG                |                      | 173                   | 32                   |
| 05821E                                  | 4020N             | 2684-05562                   | 00000/0000                  | 2-20037/0348     | 12/06/76            | 10              | 9531         | 21.1         | 150.1                              | PPPP                |                      | 170                   | 42                   |
| 05821E                                  | 2601N             | 2717-05415                   | 00000/0000                  | 2-20038/1081     | 01/03/77            | 80              | 9991         | 29.4         | 139.4                              | GGGG                |                      | 170                   | 42                   |
| 05820E                                  | 2558N             | 2681-05432                   | 00000/0000                  | 2-20037/0066     | 12/03/76            | 80              | 9489         | 32.1         | 143.2                              | FGGG                |                      | 170                   | 42                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05819E                                  | 5832N             | 2546-06295                   | 00000/0000                  | 2-20029/0105     | 07/21/76            | 60              | 7607         | 47.6         | 143.0                              | GGGG                |                      | 179                   | 19                   |
| 05819E                                  | 5855N             | 2665-05523                   | 00000/0000                  | 2-20037/0251     | 11/17/76            | 0               | 9266         | 28.3         | 147.9                              | GGGG                |                      | 172                   | 35                   |
| 05818E                                  | 5852N             | 2377-06010                   | 00000/0000                  | 2-20020/0854     | 02/03/76            | 40              | 5250         | 27.9         | 141.8                              | FGGG                |                      | 172                   | 35                   |
| 05818E                                  | 2555N             | 2643-05441                   | 00000/0000                  | 2-20036/0696     | 11/15/76            | 10              | 9238         | 35.9         | 142.0                              | PGGP                |                      | 170                   | 42                   |
| 05818E                                  | 2553N             | 2609-05460                   | 00000/0000                  | 2-20032/1785     | 09/22/76            | 0               | 8485         | 48.9         | 123.3                              | FGGG                |                      | 170                   | 42                   |
| 05817E                                  | 2553N             | 2645-05445                   | 00000/0000                  | 2-20035/0216     | 10/28/76            | 10              | 8987         | 40.4         | 138.2                              | GGGG                |                      | 170                   | 42                   |
| 05817E                                  | 2551N             | 2375-05523                   | 00000/0000                  | 2-20020/0801     | 02/01/76            | 80              | 5222         | 33.9         | 136.4                              | GGGG                |                      | 170                   | 42                   |
| 05817E                                  | 2551N             | 2411-05514                   | 00000/0000                  | 2-20021/1232     | 03/08/76            | 10              | 5724         | 43.2         | 125.7                              | FGGF                |                      | 170                   | 42                   |
| 05816E                                  | 5830N             | 2528-06302                   | 00000/0000                  | 2-20028/0589     | 07/03/76            | 70              | 7356         | 50.2         | 142.5                              | GGGG                |                      | 179                   | 19                   |
| 05816E                                  | 5826N             | 2510-06305                   | 00000/0000                  | 2-20026/1525     | 06/15/76            | 50              | 7105         | 51.0         | 143.7                              | GGGG                |                      | 179                   | 19                   |
| 05814E                                  | 4730N             | 2722-06041                   | 00000/0000                  | 2-20038/1341     | 01/13/77            | 30              | 61           | 14.9         | 148.5                              | FGGF                |                      | 175                   | 27                   |
| 05812E                                  | 4724N             | 2656-06053                   | 00000/0000                  | 2-20037/0458     | 12/08/76            | 0               | 9559         | 15.4         | 153.0                              | FGGG                |                      | 175                   | 27                   |
| 05811E                                  | 5556N             | 2455-06272                   | 00000/0000                  | 2-20024/0390     | 04/21/76            | 80              | 6338         | 42.0         | 146.9                              | GGGG                |                      | 178                   | 21                   |
| 05811E                                  | 3021N             | 2466-05542                   | 00000/0000                  | 2-20024/1577     | 05/02/76            | 10              | 6491         | 56.8         | 109.4                              | GGGG                |                      | 171                   | 39                   |
| 05809E                                  | 5559N             | 2551-06235                   | 00000/0000                  | 2-20030/1849     | 08/25/76            | 70              | 8095         | 40.3         | 145.2                              | GGGG                |                      | 178                   | 21                   |
| 05809E                                  | 5554N             | 2473-06265                   | 00000/0000                  | 2-20024/1883     | 05/09/76            | 50              | 6589         | 47.4         | 144.9                              | GGGG                |                      | 178                   | 21                   |
| 05809E                                  | 3024N             | 2453-06173                   | 00000/0000                  | 2-20023/0430     | 04/19/76            | 10              | 6310         | 44.9         | 140.8                              | GGGG                |                      | 176                   | 25                   |
| 05809E                                  | 4718N             | 2668-06062                   | 00000/0000                  | 2-20036/1043     | 11/20/76            | 10              | 9308         | 18.8         | 153.6                              | PPPG                |                      | 175                   | 27                   |
| 05809E                                  | 3017N             | 2556-05520                   | 00000/0000                  | 2-20030/0382     | 07/31/76            | 20              | 7746         | 55.7         | 102.4                              | GGGG                |                      | 171                   | 39                   |
| 05808E                                  | 3021N             | 2700-05470                   | 00000/0000                  | 2-20037/1270     | 12/22/76            | 20              | 9754         | 26.7         | 144.2                              | GGGG                |                      | 171                   | 39                   |
| 05808E                                  | 2700              | 2718-05442                   | 00000/0000                  | 2-20038/0904     | 01/09/77            | 0               | 5            | 26.6         | 141.4                              | PPPP                |                      | 171                   | 39                   |
| 05807E                                  | 5020              | 2700-06094                   | 00000/0000                  | 2-20038/0229     | 12/27/76            | 10              | 9824         | 11.8         | 152.3                              | FFFF                |                      | 176                   | 25                   |
| 05807E                                  | 3020N             | 2592-05510                   | 00000/0000                  | 2-20032/0717     | 09/05/76            | 0               | 8248         | 50.5         | 119.8                              | GGGG                |                      | 171                   | 39                   |
| 05807E                                  | 3014N             | 2502-05533                   | 00000/0000                  | 2-20024/0955     | 06/07/76            | 40              | 6993         | 59.6         | 96.2                               | GGGG                |                      | 171                   | 39                   |
| 05806E                                  | 5315N             | 2454-06223                   | 00000/0000                  | 2-20024/0086     | 04/20/76            | 80              | 6324         | 43.5         | 143.9                              | GGGF                |                      | 177                   | 23                   |
| 05805E                                  | 5552N             | 2563-06243                   | 00000/0000                  | 2-20030/0958     | 08/07/76            | 20              | 7844         | 45.4         | 141.5                              | GGGG                |                      | 178                   | 21                   |
| 05805E                                  | 5019N             | 2723-06090                   | 00000/0000                  | 2-20038/1406     | 01/14/77            | 10              | 75           | 13.0         | 149.7                              | FGGF                |                      | 176                   | 25                   |
| 05805E                                  | 3016N             | 2632-05475                   | 00000/0000                  | 2-20037/0018     | 12/04/76            | 0               | 9503         | 28.9         | 145.4                              | FGGP                |                      | 171                   | 39                   |
| 05804E                                  | 5309N             | 2706-06143                   | 00000/0000                  | 2-20038/0252     | 12/28/76            | 0               | 9838         | 9.6          | 153.5                              | GGGG                |                      | 177                   | 23                   |
| 05804E                                  | 5016N             | 2471-06171                   | 00000/0000                  | 2-20024/1630     | 05/07/76            | 10              | 6561         | 50.3         | 137.8                              | GGGG                |                      | 176                   | 25                   |
| 05804E                                  | 3012N             | 2412-05560                   | 00000/0000                  | 2-20021/1354     | 03/09/76            | 20              | 5738         | 41.5         | 129.4                              | FGGF                |                      | 171                   | 39                   |
| 05804E                                  | 3011N             | 2520-05530                   | 00000/0000                  | 2-20028/0064     | 06/25/76            | 0               | 7244         | 58.8         | 94.3                               | GGGG                |                      | 171                   | 39                   |
| 05803E                                  | 3012N             | 2664-05453                   | 00000/0000                  | 2-20036/0808     | 11/16/76            | 30              | 9252         | 32.7         | 144.7                              | FGGG                |                      | 171                   | 39                   |
| 05802E                                  | 5309N             | 2724-06145                   | 00000/0000                  | 2-20039/0025     | 01/15/77            | 70              | 89           | 11.1         | 150.9                              | FFFF                |                      | 177                   | 23                   |
| 05802E                                  | 5307N             | 2472-06220                   | 00000/0000                  | 2-20024/1608     | 05/08/76            | 40              | 6575         | 48.9         | 141.4                              | GGGG                |                      | 177                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 COORDINATE LISTING  
 FOR NON-US

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FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 05802E                      | 5015N | 2687-06103 | 00000/0000        | 2-20037/0514                 | 12/09/76                    | 40               | 9573                | 13.0            | 154.2        | PGGG         |                       |                     | 176                  | 25                    |                      |
| 05801E                      | 5544N | 2491-06263 | 00000/0000        | 2-20026/0226                 | 05/27/76                    | 30               | 6840                | 51.0            | 142.2        | GGGG         |                       |                     | 178                  | 21                    |                      |
| 05801E                      | 5308N | 2436-06230 | 00000/0000        | 2-20022/1147                 | 04/02/76                    | 30               | 6073                | 37.0            | 145.5        | GGGG         |                       |                     | 177                  | 23                    |                      |
| 05801E                      | 3014N | 2394-05563 | 00000/0000        | 2-20021/0265                 | 02/20/76                    | 70               | 5487                | 35.9            | 134.4        | GGGG         |                       |                     | 171                  | 39                    |                      |
| 05801E                      | 3011N | 2646-05491 | 00000/0000        | 2-20035/0200                 | 10/29/76                    | 70               | 9001                | 37.3            | 141.6        | GGGG         |                       |                     | 171                  | 39                    |                      |
| 05800E                      | 6004N | 2475-06370 | 00000/0000        | 2-20024/1622                 | 05/11/76                    | 70               | 6617                | 45.1            | 150.2        | G            |                       |                     | 180                  | 18                    |                      |
| 05800E                      | 5545N | 2527-06253 | 00000/0000        | 2-20028/0576                 | 07/02/76                    | 90               | 7342                | 51.9            | 138.3        | GGGF         |                       |                     | 178                  | 21                    |                      |
| 05800E                      | 5544N | 2545-06250 | 00000/0000        | 2-20029/0036                 | 07/20/76                    | 90               | 7593                | 49.4            | 138.9        | GGFF         |                       |                     | 178                  | 21                    |                      |
| 05800E                      | 5312N | 2580-06190 | 00000/0000        | 2-20030/1818                 | 08/24/76                    | 10               | 8081                | 42.4            | 141.9        | GGGG         |                       |                     | 177                  | 23                    |                      |
| 05800E                      | 5017N | 2561-06144 | 00000/0000        | 2-20030/0863                 | 08/05/76                    | 10               | 7816                | 49.0            | 133.8        | GGGG         |                       |                     | 176                  | 25                    |                      |
| 05800E                      | 4312N | 2703-06002 | 00000/0000        | 2-20038/0156                 | 12/25/76                    | 20               | 9796                | 17.2            | 149.5        | GFGG         |                       |                     | 174                  | 30                    |                      |
| 05800E                      | 3441N | 2467-05585 | 00000/0000        | 2-20024/0894                 | 05/03/76                    | 0                | 6505                | 56.1            | 116.0        | GGGG         |                       |                     | 172                  | 36                    |                      |
| 05759E                      | 5258N | 2490-06213 | 00000/0000        | 2-20026/0165                 | 05/26/76                    | 60               | 6826                | 52.5            | 138.2        | PGGG         |                       |                     | 177                  | 23                    |                      |
| 05759E                      | 5008N | 2525-06154 | 00000/0000        | 2-20028/0490                 | 06/30/76                    | 40               | 7314                | 54.9            | 129.5        | FGGF         |                       |                     | 176                  | 25                    |                      |
| 05759E                      | 4313N | 2721-05594 | 00000/0000        | 2-20038/0998                 | 01/12/77                    | 10               | 47                  | 17.9            | 146.8        | GGGG         |                       |                     | 174                  | 30                    |                      |
| 05759E                      | 3858N | 2468-06032 | 00000/0000        | 2-20024/1383                 | 05/04/76                    | 20               | 6519                | 54.9            | 122.4        | GGFG         |                       |                     | 173                  | 33                    |                      |
| 05758E                      | 5541N | 2509-06260 | 00000/0000        | 2-20026/1630                 | 06/14/76                    | 30               | 7091                | 52.6            | 139.5        | GGGG         |                       |                     | 178                  | 21                    |                      |
| 05758E                      | 5305N | 2598-06183 | 00000/0000        | 2-20032/1156                 | 09/11/76                    | 90               | 8332                | 36.8            | 146.3        | GGGG         |                       |                     | 177                  | 23                    |                      |
| 05758E                      | 3438N | 2557-05563 | 00000/0000        | 2-20030/0554                 | 08/01/76                    | 0                | 7760                | 55.2            | 109.7        | GGGG         |                       |                     | 172                  | 36                    |                      |
| 05758E                      | 3437N | 2593-05553 | 00000/0000        | 2-20032/0839                 | 09/06/76                    | 0                | 8262                | 48.7            | 125.5        | GGGG         |                       |                     | 172                  | 36                    |                      |
| 05757E                      | 5303N | 2688-06152 | 00000/0000        | 2-20037/0546                 | 12/10/76                    | 30               | 9587                | 10.6            | 155.4        | FGFG         |                       |                     | 177                  | 23                    |                      |
| 05757E                      | 5008N | 2543-06151 | 00000/0000        | 2-20028/1860                 | 07/18/76                    | 80               | 7565                | 52.7            | 130.5        | GGGG         |                       |                     | 176                  | 25                    |                      |
| 05757E                      | 5007N | 2507-06161 | 00000/0000        | 2-20026/1499                 | 06/12/76                    | 20               | 7063                | 55.4            | 131.0        | GGGG         |                       |                     | 176                  | 25                    |                      |
| 05757E                      | 5006N | 2669-06111 | 00000/0000        | 2-20036/0537                 | 11/21/76                    | 90               | 9322                | 16.3            | 154.9        | GGGG         |                       |                     | 176                  | 25                    |                      |
| 05757E                      | 3900N | 2450-06035 | 00000/0000        | 2-20023/0247                 | 04/16/76                    | 100              | 6268                | 50.1            | 127.9        | G GG         |                       |                     | 173                  | 33                    |                      |
| 05757E                      | 3438N | 2719-05505 | 00000/0000        | 2-20038/1187                 | 01/10/77                    | 10               | 19                  | 23.8            | 143.3        | GGGG         |                       |                     | 172                  | 36                    |                      |
| 05757E                      | 3437N | 2431-05595 | 00000/0000        | 2-20022/0756                 | 03/28/76                    | 40               | 6003                | 45.8            | 128.2        | GGGG         |                       |                     | 172                  | 36                    |                      |
| 05757E                      | 3430N | 2503-05580 | 00000/0000        | 2-20026/1040                 | 06/08/76                    | 10               | 7007                | 59.6            | 103.9        | FGGG         |                       |                     | 172                  | 36                    |                      |
| 05756E                      | 3434N | 2683-05521 | 00000/0000        | 2-20037/0149                 | 12/05/76                    | 40               | 9517                | 25.6            | 147.5        | GGGG         |                       |                     | 172                  | 36                    |                      |
| 05755E                      | 5258N | 2544-06201 | 00000/0000        | 2-20028/1905                 | 07/19/76                    | 70               | 7579                | 51.1            | 134.8        | GGGG         |                       |                     | 177                  | 23                    |                      |
| 05755E                      | 5254N | 2670-06160 | 00000/0000        | 2-20036/0841                 | 11/22/76                    | 90               | 9336                | 13.8            | 156.3        | GGGG         |                       |                     | 177                  | 23                    |                      |
| 05754E                      | 6001N | 2565-06344 | 00000/0000        | 2-20030/0987                 | 08/09/76                    | 30               | 7872                | 42.3            | 147.2        | G FG         |                       |                     | 180                  | 18                    |                      |
| 05754E                      | 5956N | 2547-06351 | 00000/0000        | 2-20030/0087                 | 07/22/76                    | 10               | 7621                | 46.5            | 145.1        | GG           |                       |                     | 180                  | 18                    |                      |
| 05754E                      | 5255N | 2508-06211 | 00000/0000        | 2-20026/1443                 | 06/13/76                    | 60               | 7077                | 54.1            | 135.3        | GFGG         |                       |                     | 177                  | 23                    |                      |
| 05754E                      | 4309N | 2685-06011 | 00000/0000        | 2-20036/1840                 | 12/07/76                    | 40               | 9545                | 18.8            | 151.2        | GGGG         |                       |                     | 174                  | 30                    |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RRLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05754E                      | 3856N | 2702-05560 | 00000/0000        | 2-20038/0514                 | 12/24/76                    | 80               | 9782                | 20.4            | 147.8        | GGGG         |                                    |                     |                      | 173                   | 33                   |
| 05754E                      | 3856N | 2720-05551 | 00000/0000        | 2-20038/1286                 | 01/11/77                    | 20               | 33                  | 20.9            | 145.1        | GGGG         |                                    |                     |                      | 173                   | 33                   |
| 05753E                      | 3430N | 2665-05530 | 00000/0000        | 2-20037/0252                 | 11/17/76                    | 0                | 9266                | 29.3            | 147.1        | GGGG         |                                    |                     |                      | 172                   | 36                   |
| 05752E                      | 5255N | 2526-06204 | 00000/0000        | 2-20028/3439                 | 07/01/76                    | 80               | 7328                | 53.5            | 133.9        | GGGG         |                                    |                     |                      | 177                   | 23                   |
| 05751E                      | 3855N | 2694-05564 | 00000/0000        | 2-20037/0349                 | 12/06/76                    | 30               | 9531                | 22.2            | 149.4        | PPPF         |                                    |                     |                      | 173                   | 33                   |
| 05751E                      | 3426N | 2377-06013 | 00000/0000        | 2-20020/0855                 | 02/03/76                    | 0                | 5250                | 28.9            | 141.0        | FGGG         |                                    |                     |                      | 172                   | 36                   |
| 05750E                      | 5954N | 2529-06354 | 00000/0000        | 2-20028/0659                 | 07/04/76                    | 80               | 7370                | 49.3            | 144.7        | GGGG         |                                    |                     |                      | 180                   | 18                   |
| 05746E                      | 5950N | 2511-06361 | 00000/0000        | 2-20026/1757                 | 06/16/76                    | 50               | 7119                | 50.1            | 145.8        | FGGG         |                                    |                     |                      | 180                   | 18                   |
| 05746E                      | 2854N | 2466-05545 | 00000/0000        | 2-20024/1578                 | 05/02/76                    | 10               | 6491                | 57.0            | 107.0        | GGGG         |                                    |                     |                      | 171                   | 40                   |
| 05745E                      | 2852N | 2556-05522 | 00000/0000        | 2-20030/0383                 | 07/31/76                    | 10               | 7746                | 55.8            | 100.1        | FGGG         |                                    |                     |                      | 171                   | 40                   |
| 05744E                      | 2855N | 2700-05473 | 00000/0000        | 2-20037/1271                 | 12/22/76                    | 30               | 9784                | 27.7            | 143.5        | GGGG         |                                    |                     |                      | 171                   | 40                   |
| 05743E                      | 6132N | 2458-06425 | 00000/0000        | 2-20024/0839                 | 04/24/76                    | 10               | 6380                | 39.1            | 153.3        | G            |                                    |                     |                      | 181                   | 17                   |
| 05743E                      | 2854N | 2592-05512 | 00000/0000        | 2-20032/0718                 | 09/05/76                    | 0                | 8248                | 51.0            | 117.9        | GGGG         |                                    |                     |                      | 171                   | 40                   |
| 05743E                      | 2853N | 2718-05464 | 00000/0000        | 2-20038/0905                 | 01/09/77                    | 10               | 5                   | 27.6            | 140.7        | FFFG         |                                    |                     |                      | 171                   | 40                   |
| 05743E                      | 2847N | 2502-05535 | 00000/0000        | 2-20026/0956                 | 06/07/76                    | 10               | 6993                | 59.4            | 93.5         | GGGG         |                                    |                     |                      | 171                   | 40                   |
| 05741E                      | 4606N | 2704-06051 | 00000/0000        | 2-20038/0194                 | 12/26/76                    | 90               | 9810                | 15.0            | 150.6        | FF           |                                    |                     |                      | 175                   | 28                   |
| 05740E                      | 2846N | 2412-05563 | 00000/0000        | 2-20021/1365                 | 03/09/76                    | 20               | 5738                | 42.2            | 128.1        | GGFG         |                                    |                     |                      | 171                   | 40                   |
| 05739E                      | 4605N | 2722-06043 | 00000/0000        | 2-20038/1342                 | 01/13/77                    | 10               | 61                  | 16.0            | 147.9        | GGGF         |                                    |                     |                      | 175                   | 28                   |
| 05739E                      | 2846N | 2664-05490 | 00000/0000        | 2-20036/0809                 | 11/16/76                    | 30               | 9252                | 33.7            | 143.9        | FFGF         |                                    |                     |                      | 171                   | 40                   |
| 05737E                      | 4559N | 2586-06060 | 00000/0000        | 2-20037/0459                 | 12/08/76                    | 60               | 9559                | 16.5            | 152.4        | GGGG         |                                    |                     |                      | 175                   | 28                   |
| 05737E                      | 2845N | 2734-05570 | 00000/0000        | 2-20021/0266                 | 02/20/76                    | 30               | 5487                | 36.7            | 133.3        | GGGG         |                                    |                     |                      | 171                   | 40                   |
| 05737E                      | 2845N | 2646-05494 | 00000/0000        | 2-20035/0201                 | 10/29/76                    | 20               | 9001                | 38.3            | 140.6        | GGGG         |                                    |                     |                      | 171                   | 40                   |
| 05734E                      | 5717N | 2477-06321 | 00000/0000        | 2-20025/0211                 | 05/10/76                    | 60               | 6603                | 46.7            | 146.6        | GGGG         |                                    |                     |                      | 179                   | 20                   |
| 05734E                      | 4557N | 2668-06064 | 00000/0000        | 2-20036/1044                 | 11/20/76                    | 10               | 9308                | 19.9            | 152.9        | PPPG         |                                    |                     |                      | 175                   | 28                   |
| 05734E                      | 3315N | 2457-05591 | 00000/0000        | 2-20024/0895                 | 05/03/76                    | 0                | 6505                | 56.4            | 113.7        | GGGG         |                                    |                     |                      | 172                   | 37                   |
| 05733E                      | 5700N | 2438-06331 | 00000/0000        | 2-20022/1349                 | 04/04/76                    | 90               | 6101                | 34.9            | 149.5        | GGGG         |                                    |                     |                      | 179                   | 20                   |
| 05732E                      | 6125N | 2566-06395 | 00000/0000        | 2-20030/1049                 | 08/10/76                    | 70               | 7886                | 41.1            | 149.2        | GGGG         |                                    |                     |                      | 181                   | 17                   |
| 05732E                      | 3311N | 2431-06002 | 00000/0000        | 2-20022/0757                 | 03/28/76                    | 20               | 6003                | 46.5            | 126.7        | GGGG         |                                    |                     |                      | 172                   | 37                   |
| 05732E                      | 3311N | 2557-05565 | 00000/0000        | 2-20030/0555                 | 08/01/76                    | 0                | 7760                | 55.4            | 107.4        | GGGG         |                                    |                     |                      | 172                   | 37                   |
| 05731E                      | 3722N | 2468-06034 | 00000/0000        | 2-20024/1384                 | 05/04/76                    | 10               | 6519                | 55.4            | 120.2        | GGGG         |                                    |                     |                      | 173                   | 34                   |
| 05731E                      | 3312N | 2719-05511 | 00000/0000        | 2-20032/1188                 | 01/10/77                    | 10               | 19                  | 24.7            | 142.6        | FGGG         |                                    |                     |                      | 172                   | 37                   |
| 05731E                      | 3311N | 2593-05555 | 00000/0000        | 2-20032/0840                 | 09/06/76                    | 0                | 8262                | 49.3            | 123.8        | GGGG         |                                    |                     |                      | 172                   | 37                   |
| 05731E                      | 3305N | 2503-05582 | 00000/0000        | 2-20026/1041                 | 06/08/76                    | 10               | 7007                | 59.6            | 101.2        | GGGG         |                                    |                     |                      | 172                   | 37                   |
| 05730E                      | 5720N | 2552-06291 | 00000/0000        | 2-20032/0105                 | 08/26/76                    | 70               | 8109                | 39.1            | 147.0        | GGGG         |                                    |                     |                      | 179                   | 20                   |
| 05730E                      | 5717N | 2564-06294 | 00000/0000        | 2-20032/0204                 | 08/08/76                    | 60               | 7858                | 44.3            | 143.5        | GGGG         |                                    |                     |                      | 179                   | 20                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05730E 4859N                            | 2453-06180        | 00000/0000                   | 2-20023/0431                | 04/19/76         | 20                  | 6310            | 45.8         | 139.2        | GGGG                               |                     |                      | 176                   | 26                   |
| 05730E 3308N                            | 2653-05524        | 00000/0000                   | 2-20037/0150                | 12/05/76         | 0                   | 9517            | 26.7         | 146.8        | GGGG                               |                     |                      | 172                   | 37                   |
| 05729E 5716N                            | 2600-06241        | 00000/0000                   | 2-20032/1207                | 09/13/76         | 80                  | 8360            | 33.1         | 150.8        | GGGG                               |                     |                      | 179                   | 20                   |
| 05729E 5711N                            | 2492-06314        | 00000/0000                   | 2-20026/0320                | 05/28/76         | 10                  | 6854            | 50.3         | 144.1        | GGGF                               |                     |                      | 179                   | 20                   |
| 05729E 4855N                            | 2705-06101        | 00000/0000                   | 2-20038/0230                | 12/27/76         | 70                  | 9824            | 12.8         | 151.7        | PPFF                               |                     |                      | 176                   | 26                   |
| 05729E 3734N                            | 2450-06041        | 00000/0000                   | 2-20023/0272                | 04/16/76         | 100                 | 6268            | 50.7         | 126.1        | GGGG                               |                     |                      | 173                   | 34                   |
| 05727E 4148N                            | 2721-06000        | 00000/0000                   | 2-20038/0999                | 01/12/77         | 100                 | 47              | 18.9         | 146.2        | GGGG                               |                     |                      | 174                   | 31                   |
| 05727E 3304N                            | 2665-05532        | 00000/0000                   | 2-20037/0253                | 11/17/76         | 10                  | 9266            | 30.4         | 146.4        | FGGG                               |                     |                      | 172                   | 37                   |
| 05726E 4854N                            | 2723-06092        | 00000/0000                   | 2-20038/1407                | 01/14/77         | 20                  | 75              | 14.0         | 149.0        | FGGF                               |                     |                      | 176                   | 26                   |
| 05726E 4851N                            | 2471-06173        | 00000/0000                   | 2-20024/1691                | 05/07/76         | 0                   | 6561            | 51.1         | 135.9        | GGGG                               |                     |                      | 176                   | 26                   |
| 05726E 3731N                            | 2594-06002        | 00000/0000                   | 2-20032/0944                | 09/07/76         | 10                  | 8276            | 47.2         | 129.3        | GGGG                               |                     |                      | 173                   | 34                   |
| 05726E 3730N                            | 2702-05562        | 00000/0000                   | 2-20038/0515                | 12/24/76         | 90                  | 9782            | 21.5         | 147.2        | GGGG                               |                     |                      | 173                   | 34                   |
| 05725E 6117N                            | 2548-06433        | 00000/0000                   | 2-20028/1613                | 07/23/76         | 30                  | 7635            | 45.5         | 147.2        | G G                                |                     |                      | 181                   | 17                   |
| 05725E 6114N                            | 2530-06410        | 00000/0000                   | 2-20028/0706                | 07/05/76         | 60                  | 7384            | 48.3         | 146.7        | GGGG                               |                     |                      | 181                   | 17                   |
| 05725E 5709N                            | 2546-06302        | 00000/0000                   | 2-20029/1006                | 07/21/76         | 60                  | 7607            | 48.4         | 141.0        | GGGG                               |                     |                      | 179                   | 20                   |
| 05725E 3730N                            | 2720-05554        | 00000/0000                   | 2-20038/1287                | 01/11/77         | 10                  | 33              | 21.9         | 144.4        | GGGG                               |                     |                      | 173                   | 34                   |
| 05725E 3728N                            | 2558-06012        | 00000/0000                   | 2-20030/0623                | 08/02/76         | 0                   | 7774            | 54.5         | 114.5        | FGGG                               |                     |                      | 173                   | 34                   |
| 05724E 5433N                            | 2455-06275        | 00000/0000                   | 2-20024/0391                | 04/21/76         | 90                  | 6338            | 42.9         | 145.3        | GGGG                               |                     |                      | 178                   | 22                   |
| 05724E 3727N                            | 2684-05571        | 00000/0000                   | 2-20037/0350                | 12/06/76         | 10                  | 9531            | 23.3         | 148.8        | FPPG                               |                     |                      | 173                   | 34                   |
| 05723E 6815N                            | 2445-07095        | 00000/0000                   | 2-20022/1777                | 04/11/76         | 20                  | 6199            | 29.3         | 162.7        | FGFG                               |                     |                      | 186                   | 12                   |
| 05723E 5707N                            | 2528-06305        | 00000/0000                   | 2-20028/0590                | 07/03/76         | 80                  | 7356            | 51.0         | 140.4        | GGGG                               |                     |                      | 179                   | 20                   |
| 05723E 5703N                            | 2510-06312        | 00000/0000                   | 2-20026/1526                | 06/15/76         | 30                  | 7105            | 51.8         | 141.6        | GGGG                               |                     |                      | 179                   | 20                   |
| 05723E 5150N                            | 2454-06225        | 00000/0000                   | 2-20024/0087                | 04/20/76         | 90                  | 6324            | 44.4         | 142.3        | GGGG                               |                     |                      | 177                   | 24                   |
| 05723E 4851N                            | 2687-06105        | 00000/0000                   | 2-20037/0515                | 12/09/76         | 10                  | 9573            | 14.1         | 153.6        | PGGG                               |                     |                      | 176                   | 26                   |
| 05723E 4143N                            | 2685-06013        | 00000/0000                   | 2-20036/1841                | 12/07/76         | 10                  | 9545            | 19.9         | 150.6        | GGGG                               |                     |                      | 174                   | 31                   |
| 05723E 4138N                            | 2667-06022        | 00000/0000                   | 2-20036/1006                | 11/19/76         | 0                   | 9294            | 23.4         | 150.8        | PPPP                               |                     |                      | 174                   | 31                   |
| 05723E 2728N                            | 2466-05551        | 00000/0000                   | 2-20024/1579                | 05/02/76         | 0                   | 6491            | 57.2         | 104.7        | GGGG                               |                     |                      | 171                   | 41                   |
| 05722E 6112N                            | 2512-06413        | 00000/0000                   | 2-20027/0092                | 06/17/76         | 30                  | 7133            | 49.2         | 147.8        | GGGG                               |                     |                      | 181                   | 17                   |
| 05721E 5427N                            | 2581-06242        | 00000/0000                   | 2-20030/1850                | 08/25/76         | 70                  | 8095            | 41.2         | 143.7        | GGGG                               |                     |                      | 178                   | 22                   |
| 05721E 5429N                            | 2473-06272        | 00000/0000                   | 2-20024/1884                | 05/09/76         | 30                  | 6589            | 48.3         | 143.0        | GGGG                               |                     |                      | 178                   | 22                   |
| 05721E 5144N                            | 2706-06150        | 00000/0000                   | 2-20038/0253                | 12/28/76         | 0                   | 9838            | 10.7         | 152.8        | GGGG                               |                     |                      | 177                   | 24                   |
| 05721E 4844N                            | 2525-06161        | 00000/0000                   | 2-20028/0491                | 06/30/76         | 60                  | 7314            | 55.5         | 127.2        | GGGG                               |                     |                      | 176                   | 26                   |
| 05721E 3721N                            | 2522-06022        | 00000/0000                   | 2-20028/0183                | 06/27/76         | 10                  | 7272            | 58.7         | 107.3        | GGGG                               |                     |                      | 173                   | 34                   |
| 05721E 2725N                            | 2554-05525        | 00000/0000                   | 2-20030/0384                | 07/31/76         | 10                  | 7746            | 55.7         | 97.8         | GGGG                               |                     |                      | 171                   | 41                   |
| 05720E 5143N                            | 2472-05222        | 00000/0000                   | 2-20024/1609                | 05/08/76         | 90                  | 6575            | 49.7         | 139.5        | GGGG                               |                     |                      | 177                   | 24                   |

KEYS: CLOUD COVER : ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05720E 2728N                            | 2700-05475        | 00000/0000                   | 2-20037/1272                | 12/22/76         | 70                  | 9754            | 28.7         | 142.8        | GGGG                               |                     |                      | 171                   | 41                   |
| 05719E 5144N                            | 2436-06233        | 00000/0000                   | 2-20027/1148                | 04/02/76         | 30                  | 6073            | 37.9         | 144.2        | GGGG                               |                     |                      | 177                   | 24                   |
| 05719F 5144N                            | 2724-06142        | 00000/0000                   | 2-20039/0026                | 01/15/77         | 60                  | 89              | 12.1         | 150.2        | PPFP                               |                     |                      | 177                   | 24                   |
| 05719E 4844N                            | 2543-06154        | 00000/0000                   | 2-20028/1861                | 07/18/76         | 40                  | 7565            | 53.3         | 128.3        | GGGG                               |                     |                      | 176                   | 26                   |
| 05719E 4843N                            | 2507-06164        | 00000/0000                   | 2-20026/1500                | 06/12/76         | 10                  | 7063            | 56.1         | 128.6        | GGGG                               |                     |                      | 176                   | 26                   |
| 05719E 2728N                            | 2592-05515        | 00000/0000                   | 2-20032/0719                | 09/05/76         | 10                  | 8248            | 51.4         | 116.0        | FGGG                               |                     |                      | 171                   | 41                   |
| 05719E 2727N                            | 2718-05471        | 00000/0000                   | 2-20038/0906                | 01/09/77         | 10                  | 5               | 28.5         | 140.0        | FFFG                               |                     |                      | 171                   | 41                   |
| 05719E 2721N                            | 2502-05542        | 00000/0000                   | 2-20026/0957                | 06/07/76         | 0                   | 6993            | 59.2         | 91.0         | GGGG                               |                     |                      | 171                   | 41                   |
| 05718E 5148N                            | 2580-06193        | 00000/0000                   | 2-20030/1819                | 08/24/76         | 0                   | 8081            | 43.2         | 140.4        | FGGG                               |                     |                      | 177                   | 24                   |
| 05718E 4842N                            | 2669-06114        | 00000/0000                   | 2-20036/0538                | 11/21/76         | 90                  | 9322            | 17.4         | 154.2        | GGGG                               |                     |                      | 176                   | 26                   |
| 05718E 3718N                            | 2630-05591        | 00000/0000                   | 2-20034/0798                | 10/13/76         | 10                  | 8778            | 37.2         | 142.4        | GGGG                               |                     |                      | 173                   | 34                   |
| 05717E 5428N                            | 2563-06245        | 00000/0000                   | 2-20030/0959                | 08/07/76         | 20                  | 7844            | 46.3         | 139.7        | GGGG                               |                     |                      | 178                   | 22                   |
| 05716E 5140N                            | 2598-06130        | 00000/0000                   | 2-20032/1157                | 09/11/76         | 30                  | 8332            | 37.7         | 145.0        | GGGG                               |                     |                      | 177                   | 24                   |
| 05716E 5134N                            | 2490-06220        | 00000/0000                   | 2-20024/0166                | 05/26/76         | 20                  | 6826            | 53.3         | 136.1        | FGGG                               |                     |                      | 177                   | 24                   |
| 05715E 5139N                            | 2688-06154        | 00000/0000                   | 2-20037/0547                | 12/10/76         | 50                  | 9587            | 11.8         | 154.8        | FGGG                               |                     |                      | 177                   | 24                   |
| 05715E 2721N                            | 2664-05492        | 00000/0000                   | 2-20036/0810                | 11/16/76         | 10                  | 9252            | 34.7         | 143.0        | FGGF                               |                     |                      | 171                   | 41                   |
| 05714E 5421N                            | 2491-06265        | 00000/0000                   | 2-20026/0227                | 05/27/76         | 20                  | 6840            | 51.9         | 140.1        | GGGG                               |                     |                      | 178                   | 22                   |
| 05713E 5421N                            | 2527-06255        | 00000/0000                   | 2-20028/0577                | 07/02/76         | 100                 | 7342            | 52.7         | 136.2        | GGGF                               |                     |                      | 178                   | 22                   |
| 05713E 5134N                            | 2544-06203        | 00000/0000                   | 2-20028/1906                | 07/19/76         | 50                  | 7579            | 51.8         | 132.7        | GGGG                               |                     |                      | 177                   | 24                   |
| 05713E 5130N                            | 2670-06163        | 00000/0000                   | 2-20036/0842                | 11/22/76         | 90                  | 9336            | 15.0         | 155.6        | GGGF                               |                     |                      | 177                   | 24                   |
| 05713E 2721N                            | 2394-05572        | 00000/0000                   | 2-20021/0267                | 02/20/76         | 40                  | 5487            | 37.5         | 132.2        | GGGG                               |                     |                      | 171                   | 41                   |
| 05713E 2720N                            | 2646-05500        | 00000/0000                   | 2-20035/0202                | 10/29/76         | 40                  | 9001            | 39.2         | 139.6        | GGGG                               |                     |                      | 171                   | 41                   |
| 05712E 5420N                            | 2545-06252        | 00000/0000                   | 2-20029/0087                | 07/20/76         | 80                  | 7593            | 50.2         | 136.9        | GFFG                               |                     |                      | 178                   | 22                   |
| 05712E 5131N                            | 2508-06213        | 00000/0000                   | 2-20026/1444                | 06/13/76         | 70                  | 7077            | 54.8         | 133.1        | GGGG                               |                     |                      | 177                   | 24                   |
| 05711E 5417N                            | 2509-06262        | 00000/0000                   | 2-20026/1631                | 06/14/76         | 30                  | 7091            | 53.4         | 137.4        | GGGG                               |                     |                      | 178                   | 22                   |
| 05710E 5131N                            | 2526-06210        | 00000/0000                   | 2-20028/0440                | 07/01/76         | 90                  | 7328            | 54.2         | 131.7        | FFGG                               |                     |                      | 177                   | 24                   |
| 05709E 3149N                            | 2467-05594        | 00000/0000                   | 2-20024/0896                | 05/03/76         | 10                  | 6505            | 56.7         | 111.4        | GGGG                               |                     |                      | 172                   | 38                   |
| 05707E 4440N                            | 2734-06054        | 00000/0000                   | 2-20038/0195                | 12/26/76         | 90                  | 9810            | 16.1         | 150.0        | FFFF                               |                     |                      | 175                   | 29                   |
| 05707E 3145N                            | 2557-05572        | 00000/0000                   | 2-20030/0556                | 08/01/76         | 0                   | 7760            | 55.5         | 105.1        | GGGG                               |                     |                      | 172                   | 38                   |
| 05706E 3145N                            | 2431-06004        | 00000/0000                   | 2-20022/0758                | 03/28/76         | 30                  | 6003            | 47.1         | 125.1        | GGGG                               |                     |                      | 172                   | 38                   |
| 05706E 3145N                            | 2593-05562        | 00000/0000                   | 2-20032/0841                | 09/06/76         | 0                   | 8262            | 49.8         | 122.1        | GGGG                               |                     |                      | 172                   | 38                   |
| 05706E 3139N                            | 2503-05585        | 00000/0000                   | 2-20026/1042                | 06/08/76         | 10                  | 7007            | 59.6         | 98.6         | GGGG                               |                     |                      | 172                   | 38                   |
| 05705E 4439N                            | 2722-06050        | 00000/0000                   | 2-20038/1343                | 01/13/77         | 20                  | 61              | 17.0         | 147.3        | GGGF                               |                     |                      | 175                   | 29                   |
| 05705E 3146N                            | 2719-05514        | 00000/0000                   | 2-20038/1189                | 01/10/77         | 0                   | 19              | 25.7         | 141.9        | GGGG                               |                     |                      | 172                   | 38                   |
| 05705E 3142N                            | 2683-05530        | 00000/0000                   | 2-20037/0151                | 12/05/76         | 0                   | 9517            | 27.7         | 146.1        | GGGG                               |                     |                      | 172                   | 38                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>9F IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45 678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05703E                                  | 3606N             | 2468-06041                   | 00000/0000                  | 2-20024/1385     | 05/04/76            | 20              | 6519         | 55.9         | 117.9                               | GGGG                |                      | 173                   | 35                   |
| 05702E                                  | 4433N             | 2686-06062                   | 00000/0000                  | 2-20037/0460     | 12/08/76            | 100             | 9559         | 17.6         | 151.8                               | GGGG                |                      | 175                   | 29                   |
| 05702E                                  | 3138N             | 2665-05535                   | 00000/0000                  | 2-20037/0254     | 11/17/76            | 10              | 9266         | 31.4         | 145.6                               | GGGG                |                      | 172                   | 38                   |
| 05701E                                  | 5841N             | 2475-06373                   | 00000/0000                  | 2-20024/1623     | 05/11/76            | 50              | 6617         | 46.0         | 148.3                               | GF00                |                      | 180                   | 19                   |
| 05701E                                  | 3608N             | 2450-06044                   | 00000/0000                  | 2-20023/0273     | 04/16/76            | 100             | 6268         | 51.3         | 124.2                               | GGGG                |                      | 173                   | 35                   |
| 05700E                                  | 6757N             | 2469-07110                   | 00000/0000                  | 2-20021/1196     | 03/06/76            | 100             | 5697         | 15.4         | 161.5                               | GF0F                |                      | 186                   | 12                   |
| 05700E                                  | 4428N             | 2668-06071                   | 00000/0000                  | 2-20036/1045     | 11/20/76            | 60              | 9308         | 21.0         | 152.2                               | PPPF                |                      | 175                   | 29                   |
| 05700E                                  | 3135N             | 2377-06022                   | 00000/0000                  | 2-20020/0856     | 02/03/76            | 0               | 5250         | 30.7         | 139.4                               | GGGG                |                      | 172                   | 38                   |
| 05659E                                  | 2604N             | 2448-05551                   | 00000/0000                  | 2-20023/0164     | 04/14/76            | 10              | 6240         | 53.8         | 111.0                               | GF00                |                      | 171                   | 42                   |
| 05659E                                  | 2602N             | 2466-05554                   | 00000/0000                  | 2-20024/1177     | 05/02/76            | 50              | 6491         | 57.2         | 102.3                               | GFFF                |                      | 171                   | 42                   |
| 05658E                                  | 3605N             | 2594-06004                   | 00000/0000                  | 2-20032/0945     | 09/07/76            | 0               | 8276         | 47.8         | 127.7                               | GGGG                |                      | 173                   | 35                   |
| 05658E                                  | 3604N             | 2702-05555                   | 00000/0000                  | 2-20020/0856     | 12/24/76            | 90              | 9782         | 22.5         | 146.6                               | GGGG                |                      | 173                   | 35                   |
| 05658E                                  | 3604N             | 2720-05560                   | 00000/0000                  | 2-20038/1288     | 01/11/77            | 10              | 33           | 22.9         | 143.8                               | FGGG                |                      | 173                   | 35                   |
| 05658E                                  | 3602N             | 2558-06014                   | 00000/0000                  | 2-20030/0624     | 08/02/76            | 0               | 7774         | 54.8         | 112.3                               | GF00                |                      | 173                   | 35                   |
| 05657E                                  | 5834N             | 2547-06353                   | 00000/0000                  | 2-20030/0088     | 07/22/76            | 30              | 7621         | 47.4         | 143.1                               | GGGG                |                      | 180                   | 19                   |
| 05657E                                  | 4022N             | 2721-06003                   | 00000/0000                  | 2-20038/1000     | 01/12/77            | 90              | 47           | 19.9         | 145.5                               | GGGG                |                      | 174                   | 32                   |
| 05657E                                  | 3602N             | 2684-05573                   | 00000/0000                  | 2-20037/0351     | 12/06/76            | 10              | 9531         | 24.4         | 148.1                               | PPPF                |                      | 173                   | 35                   |
| 05657E                                  | 2559N             | 2556-05531                   | 00000/0000                  | 2-20030/0385     | 07/31/76            | 0               | 7746         | 55.6         | 95.6                                | GGFG                |                      | 171                   | 42                   |
| 05657E                                  | 2555N             | 2484-05551                   | 00000/0000                  | 2-20025/0968     | 05/20/76            | 10              | 6742         | 58.9         | 94.0                                | GGGG                |                      | 171                   | 42                   |
| 05656E                                  | 2602N             | 2592-05521                   | 00000/0000                  | 2-20032/0720     | 09/05/76            | 10              | 8248         | 51.8         | 114.1                               | GFFF                |                      | 171                   | 42                   |
| 05655E                                  | 5838N             | 2565-06350                   | 00000/0000                  | 2-20030/0991     | 08/09/76            | 60              | 7872         | 43.2         | 145.4                               | FGGG                |                      | 180                   | 19                   |
| 05654E                                  | 3555N             | 2622-06025                   | 00000/0000                  | 2-20028/0184     | 06/27/76            | 10              | 7272         | 58.9         | 104.7                               | GFFG                |                      | 173                   | 35                   |
| 05654E                                  | 2557N             | 2632-05490                   | 00000/0000                  | 2-20036/1880     | 12/04/76            | 40              | 9503         | 32.0         | 143.2                               | GGGF                |                      | 171                   | 42                   |
| 05653E                                  | 4734N             | 2453-06142                   | 00000/0000                  | 2-20023/0432     | 04/19/76            | 10              | 6310         | 46.6         | 137.6                               | GGGG                |                      | 176                   | 27                   |
| 05653E                                  | 4019N             | 2685-06020                   | 00000/0000                  | 2-20036/1842     | 12/07/76            | 10              | 9545         | 21.0         | 150.0                               | FGGG                |                      | 174                   | 32                   |
| 05653E                                  | 4013N             | 2667-06024                   | 00000/0000                  | 2-20034/1007     | 11/19/76            | 0               | 9294         | 24.5         | 150.1                               | PPFF                |                      | 174                   | 32                   |
| 05652E                                  | 5831N             | 2529-06360                   | 00000/0000                  | 2-20028/0660     | 07/04/76            | 80              | 7370         | 50.1         | 142.5                               | GGGG                |                      | 180                   | 19                   |
| 05650E                                  | 3553N             | 2630-05594                   | 00000/0000                  | 2-20034/0799     | 10/13/76            | 0               | 8778         | 38.1         | 141.4                               | GGGG                |                      | 173                   | 35                   |
| 05650E                                  | 2555N             | 2394-05575                   | 00000/0000                  | 2-20021/0268     | 02/20/76            | 20              | 5487         | 38.2         | 131.2                               | GFGG                |                      | 171                   | 42                   |
| 05650E                                  | 2554N             | 2646-05503                   | 00000/0000                  | 2-20035/0225     | 10/29/76            | 10              | 9001         | 40.2         | 138.5                               | GGGG                |                      | 171                   | 42                   |
| 05650E                                  | 2552N             | 2376-05581                   | 00000/0000                  | 2-20020/0752     | 02/02/76            | 90              | 5236         | 34.0         | 136.1                               | GGGG                |                      | 171                   | 42                   |
| 05649E                                  | 5828N             | 2511-06362                   | 00000/0000                  | 2-20026/1758     | 06/16/76            | 60              | 7119         | 50.9         | 143.6                               | FGGG                |                      | 180                   | 19                   |
| 05649E                                  | 4729N             | 2723-06095                   | 00000/0000                  | 2-20038/1408     | 01/14/77            | 30              | 75           | 15.1         | 148.4                               | GFFF                |                      | 176                   | 27                   |
| 05649E                                  | 4727N             | 2471-06180                   | 00000/0000                  | 2-20024/1692     | 05/07/76            | 10              | 6561         | 51.9         | 133.9                               | GGGG                |                      | 176                   | 27                   |
| 05646E                                  | 4726N             | 2687-06112                   | 00000/0000                  | 2-20037/0516     | 12/09/76            | 10              | 9573         | 15.2         | 153.0                               | FGGG                |                      | 176                   | 27                   |

KEYS: CLOUD COVER % ..... 0 TO 100 \* % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RSLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05644E 4720N                            | 2525-06163        | 00000/0000                   | 2-20028/0492                | 06/30/76         | 20                  | 7314            | 56.0         | 124.9        | FGGG                               |                     |                      | 176                   | 27                   |
| 05644E 3023N                            | 2467-06000        | 00000/0000                   | 2-20024/0897                | 05/03/76         | 10                  | 6505            | 57.0         | 109.0        | GGGG                               |                     |                      | 172                   | 39                   |
| 05643E 5556N                            | 2438-06334        | 00000/0000                   | 2-20022/1350                | 04/04/76         | 90                  | 6101            | 35.9         | 148.1        | GGGF                               |                     |                      | 179                   | 21                   |
| 05643E 4720N                            | 2543-06160        | 00000/0000                   | 2-20028/1862                | 07/18/76         | 10                  | 7565            | 53.9         | 126.1        | GGGG                               |                     |                      | 176                   | 27                   |
| 05643E 4718N                            | 2507-06170        | 00000/0000                   | 2-20026/1501                | 06/12/76         | 10                  | 7063            | 56.7         | 126.3        | GGGG                               |                     |                      | 176                   | 27                   |
| 05642E 5556N                            | 2474-06323        | 00000/0000                   | 2-20025/0212                | 05/10/76         | 60                  | 6503            | 47.6         | 144.8        | GGGG                               |                     |                      | 179                   | 21                   |
| 05642E 5025N                            | 2454-06232        | 00000/0000                   | 2-20024/0088                | 04/20/76         | 70                  | 6324            | 45.3         | 140.7        | GGGG                               |                     |                      | 177                   | 25                   |
| 05642E 4717N                            | 2669-06120        | 00000/0000                   | 2-20036/0539                | 11/21/76         | 30                  | 9322            | 18.6         | 153.6        | GGGG                               |                     |                      | 176                   | 27                   |
| 05642E 3020N                            | 2557-05574        | 00000/0000                   | 2-20030/0557                | 08/01/76         | 0                   | 7760            | 55.6         | 102.8        | FGGG                               |                     |                      | 172                   | 39                   |
| 05642E 3019N                            | 2431-06011        | 00000/0000                   | 2-20022/0759                | 03/28/76         | 70                  | 6003            | 47.7         | 123.5        | GGGG                               |                     |                      | 172                   | 39                   |
| 05641E 3019N                            | 2593-05564        | 00000/0000                   | 2-20032/0842                | 09/06/76         | 0                   | 8262            | 50.4         | 120.3        | GGGG                               |                     |                      | 172                   | 39                   |
| 05641E 3013N                            | 2503-05591        | 00000/0000                   | 2-20024/1043                | 06/08/76         | 10                  | 7007            | 59.5         | 95.9         | GGGF                               |                     |                      | 172                   | 39                   |
| 05640E 6009N                            | 2458-06431        | 00000/0000                   | 2-20024/0840                | 04/24/76         | 10                  | 6380            | 40.1         | 151.6        | GGGG                               |                     |                      | 181                   | 18                   |
| 05640E 5556N                            | 2582-06294        | 00000/0000                   | 2-20032/0106                | 08/26/76         | 40                  | 8109            | 40.0         | 145.4        | GGGG                               |                     |                      | 179                   | 21                   |
| 05640E 3020N                            | 2719-05520        | 00000/0000                   | 2-20038/1190                | 01/10/77         | 10                  | 19              | 26.7         | 141.2        | GGGG                               |                     |                      | 172                   | 39                   |
| 05640E 3016N                            | 2633-05533        | 00000/0000                   | 2-20037/0152                | 12/05/76         | 0                   | 9517            | 28.7         | 145.4        | GGGG                               |                     |                      | 172                   | 39                   |
| 05639E 5553N                            | 2564-06301        | 00000/0000                   | 2-20032/0205                | 08/08/76         | 60                  | 7858            | 45.2         | 141.7        | GGGG                               |                     |                      | 179                   | 21                   |
| 05639E 5020N                            | 2706-06152        | 00000/0000                   | 2-20038/0254                | 12/28/76         | 10                  | 9838            | 11.8         | 152.2        | GGGG                               |                     |                      | 177                   | 25                   |
| 05638E 5553N                            | 2600-06291        | 00000/0000                   | 2-20032/1205                | 09/13/76         | 40                  | 8360            | 34.1         | 149.4        | GGGG                               |                     |                      | 179                   | 21                   |
| 05638E 5548N                            | 2492-06321        | 00000/0000                   | 2-20026/0321                | 05/28/76         | 10                  | 6854            | 51.2         | 142.1        | GGGG                               |                     |                      | 179                   | 21                   |
| 05638E 5309N                            | 2455-06281        | 00000/0000                   | 2-20024/0392                | 04/21/76         | 100                 | 6338            | 43.9         | 143.7        | GGGG                               |                     |                      | 178                   | 23                   |
| 05638E 5020N                            | 2436-06235        | 00000/0000                   | 2-20022/1149                | 04/02/76         | 90                  | 6073            | 38.9         | 142.8        | FGGG                               |                     |                      | 177                   | 25                   |
| 05638E 5019N                            | 2724-06144        | 00000/0000                   | 2-20039/0027                | 01/15/77         | 70                  | 89              | 13.1         | 149.5        | PPPP                               |                     |                      | 177                   | 25                   |
| 05638E 3011N                            | 2665-05541        | 00000/0000                   | 2-20037/0255                | 11/17/76         | 30                  | 9266            | 32.4         | 144.8        | GGGG                               |                     |                      | 172                   | 39                   |
| 05637E 5023N                            | 2530-06195        | 00000/0000                   | 2-20030/1820                | 08/24/76         | 0                   | 8081            | 44.1         | 138.8        | GGGG                               |                     |                      | 177                   | 25                   |
| 05636E 5025N                            | 2473-06274        | 00000/0000                   | 2-20024/1885                | 05/09/76         | 60                  | 6589            | 49.1         | 141.2        | FGGG                               |                     |                      | 178                   | 23                   |
| 05636E 5010N                            | 2490-06222        | 00000/0000                   | 2-20026/0167                | 05/26/76         | 10                  | 6826            | 54.1         | 134.0        | FGGG                               |                     |                      | 177                   | 25                   |
| 05636E 3440N                            | 2465-06043        | 00000/0000                   | 2-20024/1386                | 05/04/76         | 80                  | 6519            | 56.3         | 115.6        | GGGG                               |                     |                      | 173                   | 36                   |
| 05636E 3009N                            | 2377-06074        | 00000/0000                   | 2-20020/0857                | 02/03/76         | 0                   | 5250            | 31.6         | 138.5        | GGFG                               |                     |                      | 172                   | 39                   |
| 05635E 5308N                            | 2707-06201        | 00000/0000                   | 2-20038/0687                | 12/29/76         | 70                  | 9852            | 9.6          | 153.3        | GPFG                               |                     |                      | 178                   | 23                   |
| 05635E 5016N                            | 2598-06192        | 00000/0000                   | 2-20032/1158                | 09/11/76         | 10                  | 8332            | 38.7         | 143.7        | GGGG                               |                     |                      | 177                   | 25                   |
| 05635E 4315N                            | 2704-06060        | 00000/0000                   | 2-20038/0196                | 12/26/76         | 90                  | 9810            | 17.2         | 149.4        | FFFF                               |                     |                      | 175                   | 30                   |
| 05634E 5545N                            | 2546-06304        | 00000/0000                   | 2-20029/0107                | 07/21/76         | 90                  | 7607            | 49.2         | 139.0        | GGFG                               |                     |                      | 179                   | 21                   |
| 05634E 5308N                            | 2725-06193        | 00000/0000                   | 2-20039/0094                | 01/16/77         | 10                  | 103             | 11.2         | 150.7        | PPPP                               |                     |                      | 178                   | 23                   |
| 05634E 5014N                            | 2658-06161        | 00000/0000                   | 2-20037/0548                | 12/10/76         | 20                  | 9587            | 12.9         | 154.1        | FFGG                               |                     |                      | 177                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | SBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RSLI | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 05634E                      | 3443N             | 2450-06050            | 00000/0000           | 2-20023/0274     | 04/16/76            | 100             | 6268         | 51.9         | 122.3                 | GGGG                |                      | 173                   | 36                   |
| 05633E                      | 5543N             | 2528-06311            | 00000/0000           | 2-20028/0591     | 07/03/76            | 90              | 7356         | 51.8         | 138.3                 | GGGG                |                      | 179                   | 21                   |
| 05633E                      | 5304N             | 2563-06252            | 00000/0000           | 2-20030/0960     | 08/07/76            | 30              | 7844         | 47.1         | 137.9                 | GGGG                |                      | 178                   | 23                   |
| 05632E                      | 5539N             | 2510-06314            | 00000/0000           | 2-20026/1527     | 06/15/76            | 40              | 7105         | 52.6         | 139.4                 | GGGG                |                      | 179                   | 21                   |
| 05632E                      | 5009N             | 2544-06210            | 00000/0000           | 2-20028/1907     | 07/19/76            | 50              | 7579         | 52.5         | 130.6                 | GGGG                |                      | 177                   | 25                   |
| 05632E                      | 5006N             | 2508-06220            | 00000/0000           | 2-20026/1445     | 06/13/76            | 80              | 7077         | 55.5         | 130.8                 | GGGG                |                      | 177                   | 25                   |
| 05632E                      | 5005N             | 2670-06165            | 00000/0000           | 2-20036/0843     | 11/22/76            | 100             | 9336         | 16.1         | 154.9                 | GGGF                |                      | 177                   | 25                   |
| 05632E                      | 4314N             | 2722-06052            | 00000/0000           | 2-20038/1344     | 01/13/77            | 40              | 61           | 18.0         | 146.6                 | FGGG                |                      | 175                   | 30                   |
| 05632E                      | 3437N             | 2558-06021            | 00000/0000           | 2-20030/0625     | 08/02/76            | 0               | 7774         | 55.1         | 110.0                 | FGGG                |                      | 173                   | 36                   |
| 05632E                      | 3431N             | 2486-06041            | 00000/0000           | 2-20025/1081     | 05/22/76            | 20              | 6770         | 58.9         | 108.7                 | GGGG                |                      | 173                   | 34                   |
| 05631E                      | 3439N             | 2594-06011            | 00000/0000           | 2-20032/0946     | 09/07/76            | 0               | 8276         | 48.5         | 126.0                 | GGGG                |                      | 173                   | 34                   |
| 05631E                      | 3439N             | 2702-05571            | 00000/0000           | 2-20038/0517     | 12/24/76            | 80              | 9782         | 23.6         | 145.9                 | GGFG                |                      | 173                   | 36                   |
| 05631E                      | 3438N             | 2720-05563            | 00000/0000           | 2-20038/1289     | 01/11/77            | 10              | 33           | 23.8         | 143.1                 | GFGF                |                      | 173                   | 36                   |
| 05630E                      | 6003N             | 2566-06402            | 00000/0000           | 2-20030/1050     | 08/10/76            | 60              | 7886         | 42.0         | 147.4                 | GGGG                |                      | 181                   | 18                   |
| 05630E                      | 5257N             | 2671-06214            | 00000/0000           | 2-20036/1192     | 11/23/76            | 100             | 9350         | 13.6         | 156.3                 | FGGF                |                      | 178                   | 23                   |
| 05630E                      | 5007N             | 2526-06213            | 00000/0000           | 2-20028/0441     | 07/01/76            | 90              | 7328         | 54.8         | 129.5                 | GGGG                |                      | 177                   | 25                   |
| 05630E                      | 3437N             | 2684-05580            | 00000/0000           | 2-20037/0352     | 12/06/76            | 0               | 9531         | 25.4         | 147.5                 | PPPF                |                      | 173                   | 36                   |
| 05629E                      | 5257N             | 2491-06272            | 00000/0000           | 2-20026/0228     | 05/27/76            | 20              | 6840         | 52.7         | 138.0                 | GGGG                |                      | 178                   | 23                   |
| 05629E                      | 4308N             | 2636-06065            | 00000/0000           | 2-20037/0461     | 12/08/76            | 20              | 9559         | 18.7         | 151.2                 | GGGG                |                      | 175                   | 30                   |
| 05629E                      | 3857N             | 2451-06093            | 00000/0000           | 2-20023/0346     | 04/17/76            | 90              | 6282         | 50.4         | 127.6                 | GGFG                |                      | 174                   | 33                   |
| 05628E                      | 5257N             | 2527-06262            | 00000/0000           | 2-20028/0578     | 07/02/76            | 90              | 7342         | 53.4         | 134.0                 | GGGF                |                      | 178                   | 23                   |
| 05628E                      | 4303N             | 2658-06073            | 00000/0000           | 2-20036/1046     | 11/20/76            | 0               | 9308         | 22.1         | 151.5                 | PPGG                |                      | 175                   | 30                   |
| 05628E                      | 3857N             | 2721-06005            | 00000/0000           | 2-20038/1001     | 01/12/77            | 80              | 47           | 21.0         | 144.9                 | GGGG                |                      | 174                   | 33                   |
| 05628E                      | 3855N             | 2703-06014            | 00000/0000           | 2-20038/0157     | 12/25/76            | 10              | 9796         | 20.4         | 147.7                 | FGG                 |                      | 174                   | 33                   |
| 05628E                      | 3429N             | 2522-06031            | 00000/0000           | 2-20028/0185     | 06/27/76            | 0               | 7272         | 58.9         | 102.1                 | GGGG                |                      | 173                   | 36                   |
| 05627E                      | 5256N             | 2545-06255            | 00000/0000           | 2-20029/0088     | 07/20/76            | 70              | 7593         | 51.0         | 134.9                 | GFGG                |                      | 178                   | 23                   |
| 05627E                      | 5253N             | 2509-06265            | 00000/0000           | 2-20027/0174     | 06/14/76            | 60              | 7091         | 54.1         | 135.2                 | GGGG                |                      | 178                   | 23                   |
| 05624E                      | 3845N             | 2505-06081            | 00000/0000           | 2-20026/1286     | 06/10/76            | 0               | 7035         | 59.1         | 111.4                 | GGGG                |                      | 174                   | 33                   |
| 05624E                      | 3852N             | 2530-06412            | 00000/0000           | 2-20028/0707     | 07/05/76            | 70              | 7384         | 49.2         | 144.6                 | GGGG                |                      | 181                   | 18                   |
| 05624E                      | 3853N             | 2685-06022            | 00000/0000           | 2-20036/1843     | 12/07/76            | 0               | 9545         | 22.1         | 149.4                 | GGGG                |                      | 174                   | 33                   |
| 05624E                      | 3848N             | 2667-06031            | 00000/0000           | 2-20036/1008     | 11/19/76            | 10              | 9294         | 25.6         | 149.5                 | PGFF                |                      | 174                   | 33                   |
| 05624E                      | 3427N             | 2630-06000            | 00000/0000           | 2-20034/0800     | 10/13/76            | 0               | 8778         | 39.1         | 140.3                 | GGGG                |                      | 173                   | 36                   |
| 05623E                      | 5955N             | 2548-06435            | 00000/0000           | 2-20028/1614     | 07/23/76            | 30              | 7635         | 46.4         | 145.2                 | GGGG                |                      | 181                   | 18                   |
| 05620E                      | 5949N             | 2512-06415            | 00000/0000           | 2-20027/0093     | 06/17/76            | 20              | 7133         | 50.1         | 145.6                 | GGGG                |                      | 181                   | 18                   |
| 05620E                      | 2856N             | 2467-06003            | 00000/0000           | 2-20024/0898     | 05/03/76            | 20              | 6505         | 57.2         | 106.6                 | GGGG                |                      | 172                   | 40                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05618E 6133N                            | 2459-06487        | 00000/0000                   | 2-20024/0616                | 04/25/76         | 70                  | 6394            | 39.4         | 153.3        | GGGG                               |                     |                      | 182                   | 17                   |
| 05618E 2854N                            | 2557-05581        | 00000/0000                   | 2-20030/0558                | 08/01/76         | 0                   | 7760            | 55.7         | 100.6        | GGGG                               |                     |                      | 172                   | 40                   |
| 05617E 4606N                            | 2705-05110        | 00000/0000                   | 2-20038/0231                | 12/27/76         | 90                  | 9824            | 15.0         | 150.5        | FFGF                               |                     |                      | 176                   | 28                   |
| 05617E 2853N                            | 2431-06012        | 00000/0000                   | 2-20022/0760                | 03/28/76         | 50                  | 6003            | 48.3         | 121.8        | GGGG                               |                     |                      | 172                   | 40                   |
| 05617E 2847N                            | 2503-05594        | 00000/0000                   | 2-20026/1044                | 06/08/76         | 10                  | 7007            | 59.4         | 93.3         | GGGG                               |                     |                      | 172                   | 40                   |
| 05616E 2853N                            | 2719-05523        | 00000/0000                   | 2-20038/1191                | 01/10/77         | 10                  | 19              | 27.6         | 140.5        | GGGG                               |                     |                      | 172                   | 40                   |
| 05616E 2852N                            | 2593-05571        | 00000/0000                   | 2-20032/0843                | 09/06/76         | 10                  | 8262            | 50.8         | 118.4        | GGGG                               |                     |                      | 172                   | 40                   |
| 05616E 2849N                            | 2683-05535        | 00000/0000                   | 2-20037/0153                | 12/05/76         | 0                   | 9517            | 29.8         | 144.7        | GGGG                               |                     |                      | 172                   | 40                   |
| 05613E 4604N                            | 2723-06101        | 00000/0000                   | 2-20038/1409                | 01/14/77         | 50                  | 75              | 16.1         | 147.7        | FGGG                               |                     |                      | 176                   | 28                   |
| 05613E 2845N                            | 2665-05544        | 00000/0000                   | 2-20037/0256                | 11/17/76         | 0                   | 9266            | 33.4         | 144.0        | GGGG                               |                     |                      | 172                   | 40                   |
| 05612E 2844N                            | 2377-06031        | 00000/0000                   | 2-20020/0858                | 02/03/76         | 10                  | 5230            | 32.5         | 137.6        | FGGG                               |                     |                      | 172                   | 40                   |
| 05611E 2846N                            | 2647-05552        | 00000/0000                   | 2-20035/0404                | 10/30/76         | 20                  | 9015            | 38.0         | 140.9        | GGGG                               |                     |                      | 172                   | 40                   |
| 05610E 6127N                            | 2567-06454        | 00000/0000                   | 2-20030/1121                | 08/11/76         | 90                  | 7900            | 40.8         | 149.4        | GGGG                               |                     |                      | 182                   | 17                   |
| 05610E 4601N                            | 2687-06114        | 00000/0000                   | 2-20037/0517                | 12/09/76         | 90                  | 9573            | 16.3         | 152.3        | GGGG                               |                     |                      | 176                   | 28                   |
| 05610E 3314N                            | 2468-06050        | 00000/0000                   | 2-20024/1394                | 05/04/76         | 10                  | 6519            | 56.6         | 113.3        | GGGG                               |                     |                      | 173                   | 37                   |
| 05608E 3317N                            | 2450-06053        | 00000/0000                   | 2-20023/0275                | 04/16/76         | 100                 | 6268            | 52.4         | 120.4        | GFGG                               |                     |                      | 173                   | 37                   |
| 05607E 5717N                            | 2475-06375        | 00000/0000                   | 2-20024/1624                | 05/11/76         | 70                  | 6617            | 47.0         | 146.5        | GFGG                               |                     |                      | 180                   | 20                   |
| 05607E 4553N                            | 2569-06123        | 00000/0000                   | 2-20036/0540                | 11/21/76         | 50                  | 9322            | 19.7         | 152.9        | GGGG                               |                     |                      | 176                   | 28                   |
| 05606E 3311N                            | 2558-06023        | 00000/0000                   | 2-20030/0626                | 08/02/76         | 0                   | 7774            | 55.3         | 107.8        | FGGG                               |                     |                      | 173                   | 37                   |
| 05605E 3313N                            | 2524-06013        | 00000/0000                   | 2-20032/0947                | 09/07/76         | 0                   | 8276            | 49.1         | 124.3        | GGFG                               |                     |                      | 173                   | 37                   |
| 05605E 3312N                            | 2702-05574        | 00000/0000                   | 2-20036/0518                | 12/24/76         | 60                  | 9782            | 24.6         | 145.3        | GGGG                               |                     |                      | 173                   | 37                   |
| 05605E 3312N                            | 2720-05565        | 00000/0000                   | 2-20038/1290                | 01/11/77         | 10                  | 33              | 24.8         | 142.4        | GGGG                               |                     |                      | 173                   | 37                   |
| 05605E 3304N                            | 2504-06041        | 00000/0000                   | 2-20026/1095                | 06/09/76         | 10                  | 7021            | 59.6         | 101.0        | GFGG                               |                     |                      | 173                   | 37                   |
| 05604E 4145N                            | 2704-06063        | 00000/0000                   | 2-20038/0197                | 12/26/76         | 80                  | 9810            | 18.2         | 143.8        | FFFF                               |                     |                      | 175                   | 31                   |
| 05604E 3311N                            | 2684-05582        | 00000/0000                   | 2-20037/0353                | 12/06/76         | 0                   | 9531            | 26.5         | 146.8        | PPFF                               |                     |                      | 173                   | 37                   |
| 05603E 5718N                            | 2583-06350        | 00000/0000                   | 2-20032/0196                | 08/27/76         | 90                  | 8123            | 38.8         | 147.2        | GGGG                               |                     |                      | 180                   | 20                   |
| 05603E 5710N                            | 2547-06360        | 00000/0000                   | 2-20030/0089                | 07/22/76         | 30                  | 7621            | 48.2         | 141.2        | GGGG                               |                     |                      | 180                   | 20                   |
| 05603E 4900N                            | 2454-06234        | 00000/0000                   | 2-20024/0089                | 04/20/76         | 80                  | 6324            | 46.1         | 139.1        | GGFG                               |                     |                      | 177                   | 26                   |
| 05602E 6118N                            | 2545-06461        | 00000/0000                   | 2-20030/0131                | 07/24/76         | 40                  | 7649            | 45.3         | 147.3        | GGGG                               |                     |                      | 182                   | 17                   |
| 05602E 4854N                            | 2472-06231        | 00000/0000                   | 2-20024/1879                | 05/08/76         | 70                  | 6575            | 51.3         | 135.7        | GGGG                               |                     |                      | 177                   | 26                   |
| 05602E 3731N                            | 2433-06103        | 00000/0000                   | 2-20022/1269                | 03/30/76         | 60                  | 6031            | 45.1         | 130.8        | GGGG                               |                     |                      | 174                   | 34                   |
| 05601E 5715N                            | 2565-06353        | 00000/0000                   | 2-20030/0992                | 08/09/76         | 80                  | 7872            | 44.1         | 143.6        | FGG                                |                     |                      | 180                   | 20                   |
| 05601E 4148N                            | 2722-06055        | 00000/0000                   | 2-20038/1345                | 01/13/77         | 60                  | 61              | 19.0         | 146.0        | FGGG                               |                     |                      | 175                   | 31                   |
| 05601E 3733N                            | 2577-06063        | 00000/0000                   | 2-20030/1638                | 08/21/76         | 0                   | 8039            | 51.0         | 122.1        | GGGG                               |                     |                      | 174                   | 34                   |
| 05600E 4855N                            | 2706-06155        | 00000/0000                   | 2-20038/0255                | 12/28/76         | 80                  | 9838            | 12.9         | 151.5        | GPFG                               |                     |                      | 177                   | 26                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|--------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05600E 3731N                            | 2721-06012        | 00000/0000                   | 2-20038/1002                         | 01/12/77         | 40                  | 47              | 22.0         | 144.2        | GGGG                               |                     |                      | 174                   | 34                   |
| 05600E 3730N                            | 2703-06020        | 00000/0000                   | 2-20038/0158                         | 12/25/76         | 30                  | 9796            | 21.4         | 147.1        | FGGG                               |                     |                      | 174                   | 34                   |
| 05559E 4855N                            | 2724-06151        | 00000/0000                   | 2-20039/0028                         | 01/15/77         | 60                  | 89              | 14.2         | 148.9        | PPP                                |                     |                      | 177                   | 26                   |
| 05559E 3725N                            | 2487-06090        | 00000/0000                   | 2-20028/1130                         | 05/23/76         | 60                  | 6784            | 58.5         | 113.6        | GGGG                               |                     |                      | 174                   | 34                   |
| 05558E 5708N                            | 2529-06363        | 00000/0000                   | 2-20028/0661                         | 07/04/76         | 70                  | 7370            | 50.9         | 140.4        | GGGG                               |                     |                      | 180                   | 20                   |
| 05558E 5435N                            | 2456-06333        | 00000/0000                   | 2-20024/0461                         | 04/22/76         | 70                  | 6352            | 43.3         | 145.2        | GGGF                               |                     |                      | 179                   | 22                   |
| 05558E 4142N                            | 2686-06071        | 00000/0000                   | 2-20037/0462                         | 12/08/76         | 10                  | 9559            | 19.8         | 150.6        | GGGG                               |                     |                      | 175                   | 31                   |
| 05558E 3730N                            | 2595-06060        | 00000/0000                   | 2-20032/1028                         | 09/08/76         | 10                  | 8290            | 46.9         | 129.7        | GGGG                               |                     |                      | 174                   | 34                   |
| 05558E 3722N                            | 2541-06073        | 00000/0000                   | 2-20028/1545                         | 07/16/76         | 30                  | 7537            | 56.9         | 109.5        | GGGG                               |                     |                      | 174                   | 34                   |
| 05558E 3720N                            | 2505-06083        | 00000/0000                   | 2-20026/1237                         | 06/10/76         | 10                  | 7035            | 59.3         | 108.8        | GGGG                               |                     |                      | 174                   | 34                   |
| 05558E 3301N                            | 2630-06003        | 00000/0000                   | 2-20034/0801                         | 10/13/76         | 10                  | 8776            | 40.0         | 139.2        | GGGG                               |                     |                      | 173                   | 37                   |
| 05557E 6114N                            | 2513-06471        | 00000/0000                   | 2-20026/1822                         | 06/18/76         | 80                  | 7147            | 49.2         | 147.8        | G                                  |                     |                      | 182                   | 17                   |
| 05557E 4138N                            | 2668-06080        | 00000/0000                   | 2-20036/1047                         | 11/20/76         | 10                  | 9308            | 23.2         | 150.9        | FFFP                               |                     |                      | 175                   | 31                   |
| 05556E 4849N                            | 2688-06163        | 00000/0000                   | 2-20037/0549                         | 12/10/76         | 50                  | 9587            | 14.0         | 153.5        | GGGF                               |                     |                      | 177                   | 26                   |
| 05556E 3728N                            | 2685-06025        | 00000/0000                   | 2-20036/1844                         | 12/07/76         | 10                  | 9545            | 23.1         | 148.7        | GGFG                               |                     |                      | 174                   | 34                   |
| 05556E 3722N                            | 2667-06033        | 00000/0000                   | 2-20036/1009                         | 11/19/76         | 10                  | 9294            | 26.7         | 148.7        | FFFP                               |                     |                      | 174                   | 34                   |
| 05556E 2730N                            | 2467-06005        | 00000/0000                   | 2-20024/0899                         | 05/03/76         | 0                   | 6505            | 57.3         | 104.2        | GGGG                               |                     |                      | 172                   | 41                   |
| 05555E 5705N                            | 2511-06370        | 00000/0000                   | 2-20026/1708                         | 06/16/76         | 90                  | 7119            | 51.8         | 141.5        | FGGG                               |                     |                      | 180                   | 20                   |
| 05554E 5432N                            | 2438-06340        | 00000/0000                   | 2-20022/1351                         | 04/04/76         | 100                 | 6101            | 36.8         | 146.7        | GGGF                               |                     |                      | 179                   | 22                   |
| 05554E 5432N                            | 2474-06330        | 00000/0000                   | 2-20025/0213                         | 05/10/76         | 50                  | 6603            | 48.5         | 142.9        | GGGG                               |                     |                      | 179                   | 22                   |
| 05554E 5141N                            | 2473-06231        | 00000/0000                   | 2-20024/1886                         | 05/09/76         | 90                  | 6589            | 50.0         | 139.3        | GGGG                               |                     |                      | 178                   | 24                   |
| 05554E 4845N                            | 2544-06212        | 00000/0000                   | 2-20028/1908                         | 07/19/76         | 10                  | 7579            | 53.1         | 128.5        | GFFG                               |                     |                      | 177                   | 26                   |
| 05554E 4841N                            | 2508-06222        | 00000/0000                   | 2-20026/1446                         | 06/13/76         | 50                  | 7077            | 56.1         | 128.5        | GGGG                               |                     |                      | 177                   | 26                   |
| 05554E 4841N                            | 2670-06172        | 00000/0000                   | 2-20036/0844                         | 11/22/76         | 90                  | 9336            | 17.2         | 154.2        | GFFG                               |                     |                      | 177                   | 26                   |
| 05554E 2728N                            | 2557-05533        | 00000/0000                   | 2-20030/0559                         | 08/01/76         | 10                  | 7760            | 55.6         | 98.3         | GGGG                               |                     |                      | 172                   | 41                   |
| 05554E 2721N                            | 2503-06030        | 00000/0000                   | 2-20026/1045                         | 06/08/76         | 0                   | 7007            | 59.2         | 90.8         | GGGG                               |                     |                      | 172                   | 41                   |
| 05553E 3722N                            | 2631-06045        | 00000/0000                   | 2-20034/0659                         | 10/14/76         | 60                  | 8792            | 36.8         | 142.8        | GGGG                               |                     |                      | 174                   | 34                   |
| 05553E 2726N                            | 2431-06020        | 00000/0000                   | 2-20027/0761                         | 03/28/76         | 40                  | 6003            | 48.8         | 120.2        | GGGG                               |                     |                      | 172                   | 41                   |
| 05553E 2726N                            | 2593-05573        | 00000/0000                   | 2-20032/0844                         | 09/06/76         | 10                  | 8262            | 51.3         | 116.6        | GGGG                               |                     |                      | 172                   | 41                   |
| 05552E 5433N                            | 2582-06300        | 00000/0000                   | 2-20032/0107                         | 03/26/76         | 40                  | 8109            | 40.9         | 143.9        | GGGG                               |                     |                      | 179                   | 22                   |
| 05552E 5430N                            | 2564-06303        | 00000/0000                   | 2-20032/0206                         | 08/08/76         | 10                  | 7858            | 46.0         | 139.9        | GGGG                               |                     |                      | 179                   | 22                   |
| 05552E 5143N                            | 2707-06204        | 00000/0000                   | 2-20038/0688                         | 12/29/76         | 80                  | 9852            | 10.7         | 152.7        | FFGG                               |                     |                      | 178                   | 24                   |
| 05552E 4842N                            | 2526-06215        | 00000/0000                   | 2-20028/0442                         | 07/01/76         | 90                  | 7328            | 55.4         | 127.2        | GGGG                               |                     |                      | 177                   | 26                   |
| 05551E 5424N                            | 2492-06323        | 00000/0000                   | 2-20026/0322                         | 05/28/76         | 10                  | 6854            | 52.0         | 140.0        | GGGG                               |                     |                      | 179                   | 22                   |
| 05551E 5144N                            | 2725-06200        | 00000/0000                   | 2-20039/0095                         | 01/16/77         | 40                  | 103             | 12.3         | 150.0        | PPGP                               |                     |                      | 178                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05550E 5429N                            | 2600-06293        | 00000/0000                   | 2-20032/1209                | 09/13/76         | 50                  | 8360            | 35.1         | 148.1        | GGGG                               |                     |                      | 179                   | 22                   |
| 05550E 5140N                            | 2563-06254        | 00003/0000                   | 2-20030/0961                | 08/07/76         | 20                  | 7844            | 47.8         | 136.1        | GGGG                               |                     |                      | 178                   | 24                   |
| 05550E 2720N                            | 2665-05550        | 00000/0000                   | 2-20036/0868                | 11/17/76         | 10                  | 9266            | 34.4         | 143.1        | GGGG                               |                     |                      | 172                   | 41                   |
| 05550E 2718N                            | 2413-06024        | 00000/0000                   | 2-20021/1489                | 03/10/76         | 60                  | 5752            | 43.2         | 126.4        | GGGG                               |                     |                      | 172                   | 41                   |
| 05548E 2718N                            | 2377-06033        | 00000/0000                   | 2-20020/0859                | 02/03/76         | 10                  | 5250            | 33.4         | 136.8        | GGGG                               |                     |                      | 172                   | 41                   |
| 05547E 5133N                            | 2671-06271        | 00000/0000                   | 2-20036/1193                | 11/23/76         | 100                 | 9350            | 14.7         | 155.6        | GGGG                               |                     |                      | 178                   | 24                   |
| 05546E 5421N                            | 2546-06311        | 00000/0000                   | 2-20029/0108                | 07/21/76         | 60                  | 7607            | 50.0         | 137.0        | GGFG                               |                     |                      | 179                   | 22                   |
| 05546E 5419N                            | 2528-06314        | 00000/0000                   | 2-20028/0592                | 07/03/76         | 80                  | 7356            | 52.6         | 136.1        | GGGG                               |                     |                      | 179                   | 22                   |
| 05546E 5133N                            | 2491-06274        | 00000/0000                   | 2-20026/0229                | 05/27/76         | 20                  | 6840            | 53.5         | 135.9        | GGGG                               |                     |                      | 178                   | 24                   |
| 05546E 5133N                            | 2527-06264        | 00000/0000                   | 2-20028/0579                | 07/02/76         | 70                  | 7342            | 54.1         | 131.8        | GGGF                               |                     |                      | 178                   | 24                   |
| 05545E 5416N                            | 2510-06321        | 00000/0000                   | 2-20026/1528                | 06/15/76         | 40                  | 7105            | 53.4         | 137.2        | GGGG                               |                     |                      | 179                   | 22                   |
| 05545E 5132N                            | 2545-06261        | 00000/0000                   | 2-20029/0089                | 07/20/76         | 40                  | 7593            | 51.7         | 132.8        | GGGG                               |                     |                      | 178                   | 24                   |
| 05544E 6655N                            | 2445-07101        | 00000/0000                   | 2-20022/1778                | 04/11/76         | 10                  | 6199            | 30.4         | 160.6        | GGGG                               |                     |                      | 186                   | 13                   |
| 05544E 5129N                            | 2509-06271        | 00000/0000                   | 2-20027/0175                | 06/14/76         | 30                  | 7091            | 54.8         | 132.3        | GGGG                               |                     |                      | 178                   | 24                   |
| 05544E 3148N                            | 2468-06052        | 00000/0000                   | 2-20024/1395                | 05/04/76         | 10                  | 6519            | 56.9         | 110.9        | GGGG                               |                     |                      | 173                   | 38                   |
| 05543E 4441N                            | 2705-06112        | 00000/0000                   | 2-20038/0232                | 12/27/76         | 90                  | 9824            | 16.1         | 149.8        | FGGF                               |                     |                      | 174                   | 29                   |
| 05543E 3150N                            | 2450-06055        | 00000/0000                   | 2-20023/0276                | 04/16/76         | 100                 | 6268            | 52.9         | 118.4        | GGGG                               |                     |                      | 173                   | 38                   |
| 05542E 5846N                            | 2458-06434        | 00000/0000                   | 2-20024/0607                | 04/24/76         | 10                  | 6380            | 41.1         | 149.9        | GGGG                               |                     |                      | 181                   | 19                   |
| 05541E 3145N                            | 2558-06030        | 00000/0000                   | 2-20030/0627                | 08/02/76         | 0                   | 7774            | 55.4         | 105.5        | GGGG                               |                     |                      | 173                   | 38                   |
| 05540E 4439N                            | 2723-06104        | 00000/0000                   | 2-20038/1410                | 01/14/77         | 40                  | 75              | 17.1         | 147.1        | GGGG                               |                     |                      | 176                   | 29                   |
| 05540E 3147N                            | 2594-06020        | 00000/0000                   | 2-20032/0948                | 09/07/76         | 0                   | 8276            | 49.6         | 122.6        | GGGG                               |                     |                      | 173                   | 38                   |
| 05540E 3146N                            | 2702-05580        | 00000/0000                   | 2-20038/0519                | 12/24/76         | 70                  | 9782            | 25.6         | 144.6        | FGGG                               |                     |                      | 173                   | 38                   |
| 05540E 3138N                            | 2504-06043        | 00000/0000                   | 2-20026/1096                | 06/09/76         | 10                  | 7021            | 59.6         | 98.4         | FFGG                               |                     |                      | 173                   | 38                   |
| 05539E 3146N                            | 2720-05572        | 00000/0000                   | 2-20038/1291                | 01/11/77         | 10                  | 33              | 25.8         | 141.7        | FGGF                               |                     |                      | 173                   | 38                   |
| 05539E 3145N                            | 2684-05585        | 00000/0000                   | 2-20037/0354                | 12/06/76         | 0                   | 9531            | 27.5         | 146.1        | PPPP                               |                     |                      | 173                   | 38                   |
| 05537E 4436N                            | 2627-06121        | 00000/0000                   | 2-20037/0518                | 12/09/76         | 80                  | 9573            | 17.4         | 151.7        | GGFG                               |                     |                      | 176                   | 29                   |
| 05536E 5844N                            | 2440-06444        | 00000/0000                   | 2-20022/1406                | 04/06/76         | 10                  | 6129            | 34.7         | 150.8        | GGGG                               |                     |                      | 181                   | 19                   |
| 05535E 3133N                            | 2476-06431        | 00000/0000                   | 2-20025/0348                | 05/12/76         | 20                  | 6631            | 46.3         | 148.2        | GGGG                               |                     |                      | 181                   | 19                   |
| 05534E 5844N                            | 2584-06401        | 00000/0000                   | 2-20032/0453                | 08/28/76         | 90                  | 8137            | 37.5         | 148.9        | GGG                                |                     |                      | 181                   | 19                   |
| 05534E 4428N                            | 2669-06125        | 00000/0000                   | 2-20036/0541                | 11/21/76         | 90                  | 9322            | 20.8         | 152.2        | GGGG                               |                     |                      | 176                   | 29                   |
| 05534E 3607N                            | 2577-06065        | 00000/0000                   | 2-20030/1639                | 08/21/76         | 0                   | 8039            | 51.5         | 120.1        | GGGF                               |                     |                      | 174                   | 35                   |
| 05534E 3606N                            | 2433-06105        | 00000/0000                   | 2-20022/1270                | 03/30/76         | 10                  | 6031            | 45.8         | 129.2        | GGGG                               |                     |                      | 174                   | 35                   |
| 05533E 4024N                            | 2704-06065        | 00000/0000                   | 2-20038/0198                | 12/26/76         | 100                 | 9810            | 19.3         | 148.2        | FFFF                               |                     |                      | 175                   | 32                   |
| 05533E 3135N                            | 2650-06005        | 00000/0000                   | 2-20034/0802                | 10/13/76         | 0                   | 8778            | 40.9         | 138.0        | GGGG                               |                     |                      | 173                   | 38                   |
| 05533E 2604N                            | 2467-06012        | 00000/0000                   | 2-20024/0900                | 05/03/76         | 0                   | 6505            | 57.4         | 101.8        | GGGG                               |                     |                      | 172                   | 42                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05532E                                  | 5842N             | 2602-06574                   | 00000/0000                  | 2-20032/1344     | 09/15/76            | 50              | 8388         | 31.4         | 152.5                              | GGGG                |                      | 181                   | 19                   |
| 05532E                                  | 5840N             | 2566-06404                   | 00000/0000                  | 2-20030/1051     | 08/10/76            | 80              | 7886         | 42.9         | 145.6                              | GGGG                |                      | 181                   | 19                   |
| 05532E                                  | 3605N             | 2721-06014                   | 00000/0000                  | 2-20038/1003     | 01/12/77            | 50              | 47           | 22.9         | 143.6                              | GGGG                |                      | 174                   | 35                   |
| 05532E                                  | 3604N             | 2703-06023                   | 00000/0000                  | 2-20038/0159     | 12/25/76            | 80              | 9796         | 22.5         | 146.4                              | GGGG                |                      | 174                   | 35                   |
| 05532E                                  | 3559N             | 2487-06032                   | 00000/0000                  | 2-20025/1131     | 05/23/76            | 70              | 6784         | 58.7         | 111.0                              | GGGG                |                      | 174                   | 35                   |
| 05531E                                  | 6646N             | 2427-07105                   | 00000/0000                  | 2-20022/0456     | 03/24/76            | 10              | 5948         | 23.5         | 160.2                              | GGFG                |                      | 186                   | 13                   |
| 05531E                                  | 4023N             | 2722-06061                   | 00000/0000                  | 2-20038/1346     | 01/13/77            | 80              | 61           | 20.1         | 145.3                              | GGGG                |                      | 175                   | 32                   |
| 05531E                                  | 3604N             | 2595-06063                   | 00000/0000                  | 2-20032/1029     | 09/08/76            | 10              | 8290         | 47.6         | 128.1                              | GGGG                |                      | 174                   | 35                   |
| 05531E                                  | 3557N             | 2541-06080                   | 00000/0000                  | 2-20028/1546     | 07/16/76            | 10              | 7537         | 57.1         | 107.1                              | GGGG                |                      | 174                   | 35                   |
| 05531E                                  | 2602N             | 2557-05590                   | 00000/0000                  | 2-20030/0560     | 08/01/76            | 10              | 7760         | 55.6         | 96.0                               | GGGG                |                      | 172                   | 42                   |
| 05531E                                  | 2556N             | 2503-06003                   | 00000/0000                  | 2-20024/1046     | 06/08/76            | 0               | 7007         | 58.9         | 88.2                               | FGGG                |                      | 172                   | 42                   |
| 05530E                                  | 5833N             | 2494-06424                   | 00000/0000                  | 2-20026/0424     | 05/30/76            | 90              | 6882         | 49.7         | 145.8                              | GGGG                |                      | 181                   | 19                   |
| 05530E                                  | 3554N             | 2505-06020                   | 00000/0000                  | 2-20024/1288     | 06/10/76            | 10              | 7035         | 59.5         | 106.1                              | GGGG                |                      | 174                   | 35                   |
| 05530E                                  | 2600N             | 2431-06022                   | 00000/0000                  | 2-20022/0762     | 03/28/76            | 70              | 6003         | 49.3         | 118.4                              | GGGG                |                      | 172                   | 42                   |
| 05529E                                  | 3602N             | 2685-06031                   | 00000/0000                  | 2-20036/1845     | 12/07/76            | 0               | 9545         | 24.2         | 148.1                              | GGGG                |                      | 174                   | 35                   |
| 05529E                                  | 3557N             | 2667-06040                   | 00000/0000                  | 2-20036/1010     | 11/19/76            | 0               | 9294         | 27.8         | 148.0                              | PPFF                |                      | 174                   | 35                   |
| 05529E                                  | 2600N             | 2593-05580                   | 00000/0000                  | 2-20032/0845     | 09/06/76            | 0               | 8262         | 51.7         | 114.7                              | GGGG                |                      | 172                   | 42                   |
| 05528E                                  | 4017N             | 2686-06074                   | 00000/0000                  | 2-20037/0463     | 12/08/76            | 10              | 9559         | 20.9         | 149.9                              | GGGG                |                      | 175                   | 32                   |
| 05527E                                  | 4013N             | 2668-06082                   | 00000/0000                  | 2-20036/1048     | 11/20/76            | 0               | 9308         | 24.3         | 150.2                              | PPFF                |                      | 175                   | 32                   |
| 05527E                                  | 2554N             | 2665-05553                   | 00000/0000                  | 2-20036/0869     | 11/17/76            | 0               | 9266         | 35.4         | 142.2                              | GGGG                |                      | 172                   | 42                   |
| 05526E                                  | 5832N             | 2548-06412                   | 00000/0000                  | 2-20028/1615     | 07/23/76            | 20              | 7635         | 47.2         | 143.2                              | FGGG                |                      | 181                   | 19                   |
| 05526E                                  | 4735N             | 2454-06241                   | 00000/0000                  | 2-20024/0090     | 04/20/76            | 100             | 6324         | 46.9         | 137.4                              | FGFG                |                      | 177                   | 27                   |
| 05526E                                  | 3549N             | 2379-06123                   | 00000/0000                  | 2-20020/0510     | 02/05/76            | 90              | 5278         | 28.4         | 141.4                              | FGFF                |                      | 174                   | 35                   |
| 05526E                                  | 2552N             | 2413-06030                   | 00000/0000                  | 2-20021/1490     | 03/10/76            | 70              | 5752         | 43.8         | 125.0                              | GGGG                |                      | 172                   | 42                   |
| 05525E                                  | 4729N             | 2472-06234                   | 00000/0000                  | 2-20024/1858     | 05/08/76            | 50              | 6575         | 52.1         | 133.7                              | GGGG                |                      | 177                   | 27                   |
| 05525E                                  | 2552N             | 2377-06040                   | 00000/0000                  | 2-20020/0860     | 02/03/76            | 10              | 5250         | 34.2         | 135.8                              | GGFF                |                      | 172                   | 42                   |
| 05524E                                  | 6638N             | 2409-07112                   | 00000/0000                  | 2-20021/1197     | 03/06/76            | 100             | 5697         | 16.4         | 159.8                              | FGGG                |                      | 186                   | 13                   |
| 05523E                                  | 4730N             | 2706-06161                   | 00000/0000                  | 2-20038/0256     | 12/28/76            | 100             | 9838         | 13.9         | 150.9                              | GGG                 |                      | 177                   | 27                   |
| 05522E                                  | 5826N             | 2512-06422                   | 00000/0000                  | 2-20027/0094     | 06/17/76            | 40              | 7133         | 51.0         | 143.5                              | GGGG                |                      | 181                   | 19                   |
| 05519E                                  | 4725N             | 2688-06170                   | 00000/0000                  | 2-20037/0550     | 12/10/76            | 40              | 9587         | 15.1         | 152.9                              | GGFG                |                      | 177                   | 27                   |
| 05519E                                  | 3022N             | 2468-06055                   | 00000/0000                  | 2-20024/1396     | 05/04/76            | 30              | 6519         | 57.1         | 108.6                              | GGG                 |                      | 173                   | 39                   |
| 05518E                                  | 4717N             | 2508-06225                   | 00000/0000                  | 2-20026/1447     | 06/13/76            | 90              | 7077         | 56.7         | 126.1                              | GGGG                |                      | 177                   | 27                   |
| 05518E                                  | 3022N             | 2450-06062                   | 00000/0000                  | 2-20023/0277     | 04/16/76            | 80              | 6268         | 53.3         | 116.4                              | GGGG                |                      | 173                   | 39                   |
| 05517E                                  | 4721N             | 2544-06215                   | 00000/0000                  | 2-20028/1909     | 07/19/76            | 10              | 7579         | 53.7         | 126.3                              | PPPP                |                      | 177                   | 27                   |
| 05517E                                  | 4716N             | 2670-06174                   | 00000/0000                  | 2-20036/0845     | 11/22/76            | 90              | 9336         | 18.3         | 153.6                              | FFFF                |                      | 177                   | 27                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05516E 5553N                            | 2475-0638P        | 00000/0000 2-20024/1625                            | 05/11/76         | 50                  | 6617            | 47.9         | 144.6        |                                    |                     |                      |                       |                      |
| 05516E 4718N                            | 2526-0622P        | 00000/0000 2-20028/0443                            | 07/01/76         | 70                  | 7328            | 56.0         | 124.8        | GGGG                               |                     |                      | 180                   | 21                   |
| 05516E 3019N                            | 2558-0603P        | 00000/0000 2-20030/0628                            | 08/02/76         | 0                   | 7774            | 55.5         | 103.2        | GGGG                               |                     |                      | 177                   | 27                   |
| 05516E 3013N                            | 2504-06050        | 00000/0000 2-20026/1097                            | 06/09/76         | 10                  | 7021            | 59.5         | 95.7         | GGGG                               |                     |                      | 173                   | 39                   |
| 05515E 5020N                            | 2455-06290        | 00000/0000 2-20024/0350                            | 04/21/76         | 90                  | 6338            | 45.6         | 140.5        | FFGF                               |                     |                      | 173                   | 39                   |
| 05515E 3021N                            | 2594-0602P        | 00000/0000 2-20032/0949                            | 09/07/76         | 0                   | 8276            | 50.2         | 120.8        | GGGG                               |                     |                      | 178                   | 25                   |
| 05515E 3020N                            | 2702-05583        | 00000/0000 2-20038/0520                            | 12/24/76         | 30                  | 9782            | 26.6         | 144.0        | GGGG                               |                     |                      | 173                   | 39                   |
| 05514E 6010N                            | 2459-06485        | 00000/0000 2-20024/0508                            | 04/25/76         | 50                  | 6394            | 40.4         | 151.5        | GGGG                               |                     |                      | 173                   | 39                   |
| 05514E 3020N                            | 2720-05574        | 00000/0000 2-20038/1292                            | 01/11/77         | 20                  | 33              | 26.7         | 141.0        | GGGG                               |                     |                      | 182                   | 18                   |
| 05514E 3018N                            | 2684-05591        | 00000/0000 2-20037/0355                            | 12/06/76         | 0                   | 9531            | 28.6         | 145.4        | GGGG                               |                     |                      | 173                   | 39                   |
| 05513E 5310N                            | 2456-06335        | 00000/0000 2-20024/0462                            | 04/22/76         | 60                  | 6352            | 44.2         | 143.6        | PPPP                               |                     |                      | 173                   | 39                   |
| 05513E 5017N                            | 2473-06283        | 00000/0000 2-20024/1887                            | 05/09/76         | 90                  | 6589            | 50.8         | 137.4        | GGGG                               |                     |                      | 179                   | 23                   |
| 05512E 5555N                            | 2583-0635P        | 00000/0000 2-20032/0197                            | 08/27/76         | 80                  | 8123            | 39.7         | 145.6        | GGGF                               |                     |                      | 178                   | 25                   |
| 05512E 5547N                            | 2547-0636P        | 00000/0000 2-20030/0090                            | 07/22/76         | 30                  | 7621            | 49.0         | 139.2        | GGGG                               |                     |                      | 180                   | 21                   |
| 05511E 5019N                            | 2707-06210        | 00000/0000 2-20038/0689                            | 12/29/76         | 90                  | 9852            | 11.8         | 152.0        | GGGG                               |                     |                      | 180                   | 21                   |
| 05511E 5019N                            | 2725-0620P        | 00000/0000 2-20039/0096                            | 01/16/77         | 10                  | 103             | 13.3         | 149.4        | GGFF                               |                     |                      | 178                   | 25                   |
| 05510E 5551N                            | 2565-06355        | 00000/0000 2-20030/0993                            | 08/09/76         | 50                  | 7872            | 44.9         | 141.8        | PPGP                               |                     |                      | 178                   | 25                   |
| 05510E 5550N                            | 2601-06345        | 00000/0000 2-20032/1114                            | 09/14/76         | 10                  | 8374            | 33.8         | 149.6        | FGF                                |                     |                      | 180                   | 21                   |
| 05510E 5016N                            | 2563-06261        | 00000/0000 2-20030/0962                            | 08/07/76         | 50                  | 7844            | 43.6         | 134.2        | GGGG                               |                     |                      | 180                   | 21                   |
| 05510E 4315N                            | 2705-06115        | 00000/0000 2-20038/0233                            | 12/27/76         | 100                 | 9824            | 17.1         | 149.2        | GGGG                               |                     |                      | 178                   | 25                   |
| 05509E 5546N                            | 2619-0634P        | 00000/0000 2-20034/0184                            | 10/02/76         | 100                 | 8625            | 27.5         | 153.3        | FGFF                               |                     |                      | 176                   | 30                   |
| 05509E 5307N                            | 2438-06343        | 00000/0000 2-20022/1352                            | 04/04/76         | 100                 | 6101            | 37.8         | 145.3        | GFG                                |                     |                      | 180                   | 21                   |
| 05509E 5307N                            | 2474-0633P        | 00000/0000 2-20025/0214                            | 05/10/76         | 40                  | 6603            | 49.4         | 141.1        | GGGF                               |                     |                      | 179                   | 23                   |
| 05508E 5544N                            | 2529-06365        | 00000/0000 2-20028/0662                            | 07/04/76         | 80                  | 7370            | 51.7         | 138.3        | GGG                                |                     |                      | 179                   | 23                   |
| 05508E 3009N                            | 2630-0601P        | 00000/0000 2-20034/0803                            | 10/13/76         | 10                  | 8778            | 41.7         | 136.9        | GGGG                               |                     |                      | 180                   | 21                   |
| 05507E 6005N                            | 2567-06460        | 00000/0000 2-20030/1122                            | 05/11/76         | 90                  | 7900            | 41.7         | 147.6        | GGFG                               |                     |                      | 173                   | 39                   |
| 05507E 5309N                            | 2582-06303        | 00000/0000 2-20032/0108                            | 08/26/76         | 20                  | 8109            | 41.8         | 142.4        | GGGG                               |                     |                      | 182                   | 18                   |
| 05507E 5012N                            | 2689-06215        | 00000/0000 2-20037/0665                            | 12/11/76         | 10                  | 9601            | 12.8         | 154.0        | PGGG                               |                     |                      | 179                   | 23                   |
| 05507E 5008N                            | 2671-06223        | 00000/0000 2-20036/1194                            | 11/23/76         | 90                  | 9350            | 15.8         | 154.9        | GGGG                               |                     |                      | 178                   | 25                   |
| 05507E 4314N                            | 2723-06110        | 00000/0000 2-20038/1411                            | 01/14/77         | 30                  | 75              | 18.1         | 146.4        | GGGF                               |                     |                      | 178                   | 25                   |
| 05507E 3441N                            | 2577-0607P        | 00000/0000 2-20030/1640                            | 08/21/76         | 0                   | 8039            | 51.9         | 118.2        | GGGG                               |                     |                      | 176                   | 30                   |
| 05507E 3440N                            | 2433-0611P        | 00000/0000 2-20022/1271                            | 03/30/76         | 20                  | 6031            | 46.5         | 127.7        | GGGG                               |                     |                      | 174                   | 36                   |
| 05506E 5306N                            | 2564-06310        | 00000/0000 2-20032/0207                            | 08/08/76         | 70                  | 7858            | 46.8         | 138.1        | GGGG                               |                     |                      | 174                   | 36                   |
| 05506E 5008N                            | 2491-06281        | 00000/0000 2-20026/0230                            | 05/27/76         | 10                  | 6840            | 54.2         | 133.7        | GGGG                               |                     |                      | 179                   | 23                   |
| 05506E 5008N                            | 2527-06271        | 00000/0000 2-20028/0580                            | 07/02/76         | 40                  | 7342            | 54.7         | 129.5        | GFGG                               |                     |                      | 178                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING

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FOR NNN-US

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBV<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05505E                      | 5041N | 2511-06372 | 00000/0000        | 2-20026/1709                 | 06/16/76                    | 90               | 7119                | 52.6            | 139.3        | GFGG         |                                    |                     | 180                  | 21                    |                      |
| 05505E                      | 5259N | 2492-06330 | 00000/0000        | 2-20026/0323                 | 06/23/76                    | 10               | 6854                | 52.8            | 137.9        | GGGG         |                                    |                     | 179                  | 23                    |                      |
| 05505E                      | 5008N | 2545-06264 | 00000/0000        | 2-20029/0490                 | 07/20/76                    | 40               | 7593                | 52.3            | 130.7        | GGGG         |                                    |                     | 178                  | 25                    |                      |
| 05505E                      | 3438N | 2721-06020 | 00000/0000        | 2-20038/1004                 | 01/12/77                    | 90               | 47                  | 23.9            | 142.9        | GGGG         |                                    |                     | 174                  | 36                    |                      |
| 05505E                      | 3438N | 2595-06065 | 00000/0000        | 2-20039/1030                 | 03/08/76                    | 0                | 8290                | 48.2            | 126.5        | GGGG         |                                    |                     | 174                  | 36                    |                      |
| 05505E                      | 3438N | 2703-06025 | 00000/0000        | 2-20038/0160                 | 12/25/76                    | 40               | 9796                | 23.5            | 145.8        | FFGF         |                                    |                     | 174                  | 36                    |                      |
| 05505E                      | 3438N | 2457-06098 | 00000/0000        | 2-20028/1132                 | 05/23/76                    | 50               | 6784                | 59.0            | 108.4        | GGGG         |                                    |                     | 174                  | 36                    |                      |
| 05505E                      | 3431N | 2511-06082 | 00000/0000        | 2-20028/1547                 | 07/16/76                    | 0                | 7537                | 57.2            | 104.6        | GGGG         |                                    |                     | 174                  | 36                    |                      |
| 05504E                      | 5304N | 2600-06300 | 00000/0000        | 2-20032/1210                 | 09/13/76                    | 80               | 8360                | 36.1            | 146.8        | GGGG         |                                    |                     | 179                  | 23                    |                      |
| 05504E                      | 5004N | 2509-06274 | 00000/0000        | 2-20027/0176                 | 06/14/76                    | 60               | 7091                | 55.5            | 130.6        | GGGG         |                                    |                     | 178                  | 25                    |                      |
| 05504E                      | 4311N | 2687-06125 | 00000/0000        | 2-20037/0519                 | 12/09/76                    | 30               | 9573                | 18.5            | 151.1        | GGGG         |                                    |                     | 176                  | 30                    |                      |
| 05504E                      | 3859N | 2452-06151 | 00000/0000        | 2-20023/0392                 | 04/18/76                    | 40               | 6296                | 50.7            | 127.3        | GGGG         |                                    |                     | 175                  | 33                    |                      |
| 05504E                      | 3448N | 2710-06072 | 00000/0000        | 2-20038/0199                 | 12/26/76                    | 90               | 9810                | 20.3            | 147.6        | FFFF         |                                    |                     | 175                  | 33                    |                      |
| 05504E                      | 3855N | 2410-06144 | 00000/0000        | 2-20024/0181                 | 05/06/76                    | 100              | 6547                | 55.4            | 121.7        | GFGG         |                                    |                     | 175                  | 33                    |                      |
| 05504E                      | 3428N | 2515-06092 | 00000/0000        | 2-20026/1289                 | 06/10/76                    | 0                | 7035                | 59.6            | 103.5        | GGGG         |                                    |                     | 174                  | 36                    |                      |
| 05504E                      | 3432N | 2600-06100 | 00000/0000        | 2-20036/1011                 | 11/19/76                    | 0                | 9294                | 28.8            | 147.3        | PGFP         |                                    |                     | 174                  | 36                    |                      |
| 05502E                      | 5258N | 2516-06100 | 00000/0000        | 2-20029/0109                 | 07/21/76                    | 40               | 7607                | 50.8            | 135.0        | GGGG         |                                    |                     | 179                  | 23                    |                      |
| 05502E                      | 5258N | 2669-06100 | 00000/0000        | 2-20036/0542                 | 11/21/76                    | 80               | 9322                | 21.9            | 151.6        | GGGG         |                                    |                     | 176                  | 30                    |                      |
| 05502E                      | 3855N | 2575-06125 | 00000/0000        | 2-20030/1729                 | 08/22/76                    | 0                | 8053                | 50.3            | 124.3        | GGGF         |                                    |                     | 175                  | 33                    |                      |
| 05502E                      | 3411N | 2412-06064 | 00000/0000        | 2-20038/1347                 | 01/13/77                    | 80               | 61                  | 21.1            | 144.7        | GGGG         |                                    |                     | 175                  | 33                    |                      |
| 05502E                      | 3850N | 2418-06149 | 00000/0000        | 2-20025/1151                 | 05/24/76                    | 30               | 6798                | 58.2            | 115.8        | GGGG         |                                    |                     | 175                  | 33                    |                      |
| 05502E                      | 3417N | 2685-06134 | 00000/0000        | 2-20036/1846                 | 12/07/76                    | 0                | 9545                | 25.3            | 147.4        | GGGG         |                                    |                     | 174                  | 36                    |                      |
| 05501E                      | 5255N | 2528-06100 | 00000/0000        | 2-20028/0593                 | 07/03/76                    | 70               | 7356                | 53.3            | 133.9        | GGGG         |                                    |                     | 179                  | 23                    |                      |
| 05500E                      | 5956N | 2549-06100 | 00000/0000        | 2-20030/0132                 | 07/24/76                    | 30               | 7649                | 46.1            | 145.3        | GGGG         |                                    |                     | 182                  | 18                    |                      |
| 05500E                      | 5955N | 2531-06100 | 00000/0000        | 2-20028/0818                 | 07/06/76                    | 90               | 7398                | 49.1            | 144.6        | GGGG         |                                    |                     | 182                  | 18                    |                      |
| 05500E                      | 5955N | 2542-06125 | 00000/0000        | 2-20028/1653                 | 07/17/76                    | 20               | 7551                | 56.5            | 112.2        | GGGG         |                                    |                     | 175                  | 33                    |                      |
| 05459E                      | 3852N | 2633-06100 | 00000/0000        | 2-20037/0484                 | 12/08/76                    | 0                | 9559                | 21.9            | 149.3        | GGGG         |                                    |                     | 175                  | 33                    |                      |
| 05459E                      | 3414N | 2673-06125 | 00000/0000        | 2-20020/0511                 | 02/05/76                    | 80               | 5278                | 29.4            | 140.5        | GGFF         |                                    |                     | 174                  | 36                    |                      |
| 05458E                      | 3848N | 2668-06085 | 00000/0000        | 2-20036/1049                 | 11/20/76                    | 0                | 9308                | 25.4            | 149.5        | PFFP         |                                    |                     | 175                  | 33                    |                      |
| 05458E                      | 3848N | 2506-06135 | 00000/0000        | 2-20026/1326                 | 06/11/76                    | 10               | 7049                | 59.1            | 111.2        | GGGF         |                                    |                     | 175                  | 33                    |                      |
| 05457E                      | 3851N | 2611-06105 | 00000/0000        | 2-20034/0082                 | 09/27/76                    | 10               | 8555                | 41.0            | 138.6        | GGGG         |                                    |                     | 175                  | 33                    |                      |
| 05456E                      | 3846N | 2398-06165 | 00000/0000        | 2-20021/0756                 | 02/24/76                    | 20               | 5543                | 32.0            | 139.4        | GFGG         |                                    |                     | 175                  | 33                    |                      |
| 05455E                      | 5952N | 2513-06100 | 00000/0000        | 2-20026/1823                 | 06/18/76                    | 60               | 7147                | 50.1            | 145.6        | GGGG         |                                    |                     | 182                  | 18                    |                      |
| 05455E                      | 2458N | 2468-06061 | 00000/0000        | 2-20024/1397                 | 05/04/76                    | 20               | 6519                | 57.3            | 106.2        | GGGG         |                                    |                     | 173                  | 40                    |                      |
| 05455E                      | 2556N | 2450-06054 | 00000/0000        | 2-20023/0278                 | 04/16/76                    | 30               | 6268                | 53.7            | 114.3        | GGGG         |                                    |                     | 173                  | 40                    |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=BLANK GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR MON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05452E 2853N                            | 2558-06035        | 00000/0000                   | 2-20030/0629                | 08/02/76         | 0                   | 7774            | 55.6         | 100.9        | GGGG                               |                     |                      | 173                   | 40                   |
| 05452E 2846N                            | 2504-06052        | 00000/0000                   | 2-20026/1098                | 06/09/76         | 0                   | 7021            | 59.4         | 93.1         | FFGG                               |                     |                      | 173                   | 40                   |
| 05451E 2855N                            | 2594-06025        | 00000/0000                   | 2-20032/0950                | 09/07/76         | 10                  | 8276            | 50.7         | 119.0        | GGGG                               |                     |                      | 173                   | 40                   |
| 05449E 6131N                            | 2460-06541        | 00000/0000                   | 2-20024/1158                | 04/26/76         | 90                  | 6408            | 39.7         | 153.2        | GGGG                               |                     |                      | 183                   | 17                   |
| 05449E 2849N                            | 2666-06002        | 00000/0000                   | 2-20036/1068                | 11/18/76         | 0                   | 9280            | 33.2         | 144.1        | GGGG                               |                     |                      | 173                   | 40                   |
| 05448E 4605N                            | 2706-06164        | 00000/0000                   | 2-20038/0257                | 12/28/76         | 60                  | 9838            | 15.0         | 150.3        | GGGG                               |                     |                      | 177                   | 28                   |
| 05447E 5722N                            | 2458-06440        | 00000/0000                   | 2-20024/0608                | 04/24/76         | 10                  | 6380            | 42.0         | 148.3        | GGGG                               |                     |                      | 181                   | 20                   |
| 05445E 2841N                            | 2378-06085        | 00000/0000                   | 2-20020/0502                | 02/04/76         | 10                  | 5264            | 32.7         | 137.4        | GFGG                               |                     |                      | 173                   | 40                   |
| 05444E 4600N                            | 2688-06172        | 00000/0000                   | 2-20037/0551                | 12/10/76         | 90                  | 9587            | 16.2         | 152.3        | GGGG                               |                     |                      | 177                   | 28                   |
| 05444E 2843N                            | 2630-06014        | 00000/0000                   | 2-20034/0804                | 10/13/76         | 0                   | 8778            | 42.6         | 135.6        | GGGG                               |                     |                      | 173                   | 40                   |
| 05442E 5720N                            | 2440-06443        | 00000/0000                   | 2-20022/1420                | 04/06/76         | 10                  | 6129            | 35.7         | 149.4        | GFGG                               |                     |                      | 181                   | 20                   |
| 05442E 4552N                            | 2670-06181        | 00000/0000                   | 2-20036/0846                | 11/22/76         | 90                  | 9336            | 19.5         | 152.9        | GGGG                               |                     |                      | 177                   | 28                   |
| 05441E 5716N                            | 2476-06433        | 00000/0000                   | 2-20025/0349                | 05/12/76         | 20                  | 6631            | 47.2         | 146.3        | GGGG                               |                     |                      | 181                   | 20                   |
| 05441E 3314N                            | 2433-06114        | 00000/0000                   | 2-20022/1272                | 03/30/76         | 60                  | 6031            | 47.1         | 126.1        | GGGG                               |                     |                      | 174                   | 37                   |
| 05441E 3312N                            | 2559-06082        | 00000/0000                   | 2-20030/0635                | 08/03/76         | 0                   | 7788            | 55.1         | 108.2        | GGGG                               |                     |                      | 174                   | 37                   |
| 05440E 6125N                            | 2568-06512        | 00000/0000                   | 2-20030/1186                | 08/12/76         | 90                  | 7914            | 40.5         | 149.5        | GFGG                               |                     |                      | 183                   | 17                   |
| 05440E 3307N                            | 2487-06101        | 00000/0000                   | 2-20025/1133                | 05/23/76         | 20                  | 6784            | 59.1         | 105.8        | GGGG                               |                     |                      | 174                   | 37                   |
| 05439E 3313N                            | 2721-06023        | 00000/0000                   | 2-20038/1005                | 01/12/77         | 100                 | 47              | 24.9         | 142.2        | GGGG                               |                     |                      | 174                   | 37                   |
| 05439E 3312N                            | 2595-06072        | 00000/0000                   | 2-20032/1031                | 09/08/76         | 0                   | 8290            | 48.9         | 124.8        | PGGG                               |                     |                      | 174                   | 37                   |
| 05439E 3312N                            | 2703-06032        | 00000/0000                   | 2-20038/0161                | 12/25/76         | 10                  | 9796            | 24.5         | 145.2        | FFGF                               |                     |                      | 174                   | 37                   |
| 05438E 5716N                            | 2566-06411        | 00000/0000                   | 2-20030/1052                | 08/10/76         | 80                  | 7886            | 43.8         | 143.8        | GGGG                               |                     |                      | 181                   | 20                   |
| 05438E 4149N                            | 2705-06121        | 00000/0000                   | 2-20038/0234                | 12/27/76         | 90                  | 9824            | 18.2         | 148.6        | GGGF                               |                     |                      | 176                   | 31                   |
| 05437E 5718N                            | 2602-06401        | 00000/0000                   | 2-20032/1345                | 09/15/76         | 50                  | 8388            | 32.4         | 151.2        | GGGG                               |                     |                      | 181                   | 20                   |
| 05437E 3306N                            | 2667-06045        | 00000/0000                   | 2-20036/1012                | 11/19/76         | 10                  | 9294            | 29.9         | 146.5        | PPFF                               |                     |                      | 174                   | 37                   |
| 05437E 3302N                            | 2523-06092        | 00000/0000                   | 2-20028/0316                | 06/28/76         | 0                   | 7286            | 58.8         | 99.5         | GGGG                               |                     |                      | 174                   | 37                   |
| 05436E 7154N                            | 2415-07435        | 00000/0000                   | 2-20022/0087                | 03/12/76         | 0                   | 5781            | 14.5         | 168.0        | GGGG                               |                     |                      | 192                   | 9                    |
| 05436E 5710N                            | 2494-06431        | 00000/0000                   | 2-20026/0425                | 05/30/76         | 50                  | 6882            | 50.6         | 143.8        | GGGG                               |                     |                      | 181                   | 20                   |
| 05436E 4855N                            | 2455-06293        | 00000/0000                   | 2-20024/0351                | 04/21/76         | 90                  | 6338            | 46.5         | 138.8        | GGGG                               |                     |                      | 178                   | 26                   |
| 05436E 3729N                            | 2470-06151        | 00000/0000                   | 2-20024/1682                | 05/06/76         | 90                  | 6547            | 55.9         | 119.4        | GGGG                               |                     |                      | 175                   | 34                   |
| 05436E 3311N                            | 2685-06040        | 00000/0000                   | 2-20036/1847                | 12/07/76         | 0                   | 9545            | 26.3         | 146.8        | GGGG                               |                     |                      | 174                   | 37                   |
| 05435E 4148N                            | 2723-06113        | 00000/0000                   | 2-20038/1412                | 01/14/77         | 10                  | 75              | 19.2         | 145.3        | GGGF                               |                     |                      | 176                   | 31                   |
| 05435E 3732N                            | 2704-06074        | 00000/0000                   | 2-20038/0200                | 12/26/76         | 70                  | 9810            | 21.4         | 147.0        | FFFF                               |                     |                      | 175                   | 34                   |
| 05434E 4851N                            | 2473-06290        | 00000/0000                   | 2-20024/1888                | 05/09/76         | 90                  | 6589            | 51.6         | 135.5        | GGGG                               |                     |                      | 178                   | 26                   |
| 05434E 3731N                            | 2578-06121        | 00000/0000                   | 2-20030/1730                | 08/22/76         | 10                  | 8053            | 50.8         | 122.5        | GGGG                               |                     |                      | 175                   | 34                   |
| 05434E 3305N                            | 2631-06061        | 00000/0000                   | 2-20034/0660                | 10/14/76         | 0                   | 8782            | 39.6         | 139.6        | FFGG                               |                     |                      | 174                   | 37                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05433E 6113N                            | 2514-06525        | 00000/0000                   | 2-20026/1876                | 06/19/76         | 70                  | 7161          | 49.2         | 147.6        | GGGG                               |                     |                      | 183                   | 17                   |
| 05433E 4854N                            | 2707-06213        | 00000/0000                   | 2-20038/0690                | 12/29/76         | 90                  | 9852          | 12.9         | 151.4        | GGGG                               |                     |                      | 178                   | 26                   |
| 05433E 4145N                            | 2687-06136        | 00000/0000                   | 2-20037/0520                | 12/09/76         | 40                  | 9573          | 19.6         | 150.5        | GGGG                               |                     |                      | 176                   | 31                   |
| 05433E 3731N                            | 2722-06070        | 00000/0000                   | 2-20038/1348                | 01/13/77         | 80                  | 61            | 22.0         | 144.1        | GGGG                               |                     |                      | 175                   | 34                   |
| 05433E 3728N                            | 2560-06124        | 00000/0000                   | 2-20030/0799                | 08/04/76         | 10                  | 7802          | 54.2         | 115.2        | GGG                                |                     |                      | 175                   | 34                   |
| 05433E 3724N                            | 2488-06144        | 00000/0000                   | 2-20025/1152                | 05/24/76         | 50                  | 6798          | 58.6         | 113.2        | GGGG                               |                     |                      | 175                   | 34                   |
| 05433E 3258N                            | 2379-06132        | 00000/0000                   | 2-20020/0512                | 02/05/76         | 60                  | 5278          | 30.3         | 139.7        | GGFF                               |                     |                      | 174                   | 37                   |
| 05432E 5709N                            | 2548-06414        | 00000/0000                   | 2-20028/1616                | 07/23/76         | 30                  | 7635          | 48.1         | 141.2        | FFFF                               |                     |                      | 181                   | 20                   |
| 05432E 4954N                            | 2725-06205        | 00000/0000                   | 2-20039/0097                | 01/16/77         | 30                  | 103           | 14.3         | 148.7        | PPGP                               |                     |                      | 178                   | 26                   |
| 05432E 3724N                            | 2542-06132        | 00000/0000                   | 2-20028/1654                | 07/17/76         | 60                  | 7651          | 56.8         | 109.8        | GGGG                               |                     |                      | 175                   | 34                   |
| 05431E 6116N                            | 2532-06522        | 00000/0000                   | 2-20028/0846                | 07/07/76         | 60                  | 7412          | 48.1         | 146.8        | GGGG                               |                     |                      | 183                   | 17                   |
| 05431E 4137N                            | 2669-06134        | 00000/0000                   | 2-20036/0543                | 11/21/76         | 40                  | 9322          | 23.0         | 150.9        | GGGG                               |                     |                      | 176                   | 31                   |
| 05431E 3727N                            | 2685-06083        | 00000/0000                   | 2-20037/0465                | 12/08/76         | 40                  | 9559          | 23.0         | 148.7        | GGGG                               |                     |                      | 175                   | 34                   |
| 05431E 2729N                            | 2468-06064        | 00000/0000                   | 2-20024/1398                | 05/04/76         | 10                  | 6519          | 57.4         | 103.7        | GGGG                               |                     |                      | 173                   | 41                   |
| 05430E 5146N                            | 2456-06342        | 00000/0000                   | 2-20024/0463                | 04/22/76         | 50                  | 6352          | 45.1         | 142.0        | GGGG                               |                     |                      | 179                   | 24                   |
| 05430E 3722N                            | 2668-06091        | 00000/0000                   | 2-20036/1050                | 11/20/76         | 0                   | 9308          | 26.5         | 148.8        | PPPP                               |                     |                      | 175                   | 34                   |
| 05430E 3718N                            | 2506-06142        | 00000/0000                   | 2-20026/1327                | 06/11/76         | 40                  | 7049          | 59.3         | 108.6        | GGGG                               |                     |                      | 175                   | 34                   |
| 05430E 3718N                            | 2524-06135        | 00000/0000                   | 2-20028/0380                | 06/29/76         | 30                  | 7300          | 58.6         | 107.2        | GGGG                               |                     |                      | 175                   | 34                   |
| 05430E 2730N                            | 2450-06071        | 00000/0000                   | 2-20023/0279                | 04/16/76         | 40                  | 6268          | 54.0         | 112.2        | FGGG                               |                     |                      | 173                   | 41                   |
| 05429E 5703N                            | 2512-06424        | 00000/0000                   | 2-20027/0095                | 06/17/76         | 80                  | 7133          | 51.8         | 141.4        | GGGG                               |                     |                      | 181                   | 20                   |
| 05428E 5429N                            | 2475-06384        | 00000/0000                   | 2-20024/1626                | 05/11/76         | 70                  | 6617          | 48.8         | 142.7        | GGGG                               |                     |                      | 180                   | 22                   |
| 05428E 4844N                            | 2612-06221        | 00000/0000                   | 2-20037/0666                | 12/11/76         | 50                  | 9601          | 13.9         | 153.4        | FGGG                               |                     |                      | 178                   | 26                   |
| 05428E 4844N                            | 2527-06273        | 00000/0000                   | 2-20028/0581                | 07/02/76         | 30                  | 7342          | 55.3         | 127.2        | GGGF                               |                     |                      | 178                   | 26                   |
| 05428E 4844N                            | 2671-06230        | 00000/0000                   | 2-20036/1195                | 11/23/76         | 90                  | 9350          | 17.0         | 154.2        | FGGF                               |                     |                      | 178                   | 26                   |
| 05428E 3726N                            | 2614-06111        | 00000/0000                   | 2-20034/0083                | 09/27/76         | 10                  | 8555          | 41.8         | 137.3        | GGGG                               |                     |                      | 175                   | 34                   |
| 05428E 3721N                            | 2398-06172        | 00000/0000                   | 2-20021/0757                | 02/24/76         | 60                  | 5543          | 32.9         | 138.4        | GGGG                               |                     |                      | 175                   | 34                   |
| 05428E 3727N                            | 2558-06041        | 00000/0000                   | 2-20030/0630                | 08/02/76         | 0                   | 7774          | 55.5         | 98.7         | GGGG                               |                     |                      | 173                   | 41                   |
| 05428E 2720N                            | 2504-06055        | 00000/0000                   | 2-20026/1099                | 05/09/76         | 0                   | 7021          | 59.2         | 90.6         | FGGG                               |                     |                      | 173                   | 41                   |
| 05427E 5142N                            | 2474-06335        | 00000/0000                   | 2-20025/0215                | 05/10/76         | 10                  | 6603          | 50.2         | 139.2        | GGGG                               |                     |                      | 179                   | 24                   |
| 05427E 3723N                            | 2632-06104        | 00000/0000                   | 2-20034/0806                | 10/15/76         | 10                  | 8806          | 36.5         | 143.1        | GGGG                               |                     |                      | 175                   | 34                   |
| 05427E 2729N                            | 2594-06031        | 00000/0000                   | 2-20032/0951                | 09/07/76         | 10                  | 8276          | 51.1         | 117.2        | GGGG                               |                     |                      | 173                   | 41                   |
| 05426E 4840N                            | 2438-06345        | 00000/0000                   | 2-20022/1353                | 04/04/76         | 100                 | 6101          | 38.7         | 144.0        | FGGG                               |                     |                      | 179                   | 24                   |
| 05426E 4840N                            | 2509-06280        | 00000/0000                   | 2-20027/0177                | 06/14/76         | 60                  | 7091          | 56.1         | 128.3        | FGGG                               |                     |                      | 178                   | 26                   |
| 05425E 5144N                            | 2582-06305        | 00000/0000                   | 2-20032/0109                | 08/26/76         | 30                  | 8109          | 42.7         | 140.8        | GGGG                               |                     |                      | 179                   | 24                   |
| 05425E 2733N                            | 2666-06005        | 00000/0000                   | 2-20036/0905                | 11/18/76         | 10                  | 9280          | 34.2         | 143.2        | FGGG                               |                     |                      | 173                   | 41                   |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>9F IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SUN<br>ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|------------------------------|----------------------|
| 05424E                                  | 5430N             | 2583-06355                   | 00000/0000                  | 2-20032/0198     | 08/27/76            | 70                     | 8123         | 40.6         | 144.1                              | GGGG                |                      | 180                          | 22                   |
| 05424E                                  | 5423N             | 2547-06365                   | 00000/0000                  | 2-20030/0091     | 07/22/76            | 40                     | 7621         | 49.8         | 137.2                              | GGGG                |                      | 180                          | 22                   |
| 05424E                                  | 5140N             | 2690-06271                   | 00000/0000                  | 2-20037/0692     | 12/12/76            | 80                     | 9615         | 11.5         | 154.6                              | PFFG                |                      | 179                          | 24                   |
| 05423E                                  | 5427N             | 2565-06362                   | 00000/0000                  | 2-20030/0994     | 08/09/76            | 30                     | 7872         | 45.8         | 140.1                              | FFFF                |                      | 180                          | 22                   |
| 05423E                                  | 5141N             | 2564-06312                   | 00000/0000                  | 2-20032/0208     | 08/08/76            | 90                     | 7858         | 47.6         | 136.3                              | GGGG                |                      | 179                          | 24                   |
| 05423E                                  | 5135N             | 2492-06332                   | 00000/0000                  | 2-20026/0324     | 05/28/76            | 10                     | 6854         | 53.6         | 135.8                              | GGGG                |                      | 179                          | 24                   |
| 05421E                                  | 5421N             | 2529-06372                   | 00000/0000                  | 2-20028/0663     | 07/04/76            | 80                     | 7370         | 52.5         | 136.1                              | GGGG                |                      | 180                          | 22                   |
| 05421E                                  | 5132N             | 2672-06275                   | 00000/0000                  | 2-20037/0190     | 11/24/76            | 20                     | 9364         | 14.5         | 155.6                              | GGGG                |                      | 179                          | 24                   |
| 05421E                                  | 2717N             | 2630-06021                   | 00000/0000                  | 2-20034/0805     | 10/13/76            | 10                     | 8778         | 43.4         | 134.4                              | GGFG                |                      | 173                          | 41                   |
| 05421E                                  | 2715N             | 2378-06092                   | 00000/0000                  | 2-20020/0503     | 02/04/76            | 10                     | 5264         | 33.6         | 136.5                              | GFGG                |                      | 173                          | 41                   |
| 05419E                                  | 5134N             | 2546-06320                   | 00000/0000                  | 2-20029/0110     | 07/21/76            | 10                     | 7607         | 51.5         | 133.0                              | GGGG                |                      | 179                          | 24                   |
| 05419E                                  | 5132N             | 2528-06323                   | 00000/0000                  | 2-20028/0594     | 07/03/76            | 60                     | 7356         | 54.0         | 131.7                              | GGGG                |                      | 179                          | 24                   |
| 05418E                                  | 5417N             | 2511-06375                   | 00000/0000                  | 2-20026/1710     | 06/16/76            | 90                     | 7119         | 53.4         | 137.1                              | FFGG                |                      | 180                          | 22                   |
| 05416E                                  | 3147N             | 2559-06024                   | 00000/0000                  | 2-20030/0686     | 08/03/76            | 0                      | 7788         | 55.3         | 105.9                              | GFGG                |                      | 174                          | 38                   |
| 05415E                                  | 5847N             | 2459-06492                   | 00000/0000                  | 2-20024/0509     | 04/25/76            | 50                     | 6394         | 41.4         | 149.9                              | GGGG                |                      | 182                          | 19                   |
| 05414E                                  | 4439N             | 2706-06170                   | 00000/0000                  | 2-20038/0258     | 12/28/76            | 80                     | 9838         | 16.1         | 149.7                              | GGGF                |                      | 177                          | 29                   |
| 05414E                                  | 3142N             | 2487-06104                   | 00000/0000                  | 2-20025/1134     | 05/23/76            | 10                     | 6784         | 59.2         | 103.2                              | GGGG                |                      | 174                          | 38                   |
| 05413E                                  | 3146N             | 2595-06074                   | 00000/0000                  | 2-20032/1032     | 09/08/76            | 0                      | 8290         | 49.4         | 123.1                              | GGGG                |                      | 174                          | 38                   |
| 05411E                                  | 3145N             | 2685-06043                   | 00000/0000                  | 2-20037/0406     | 12/07/76            | 0                      | 9545         | 27.4         | 146.1                              | GGGG                |                      | 174                          | 38                   |
| 05411E                                  | 3141N             | 2667-06051                   | 00000/0000                  | 2-20036/1053     | 11/19/76            | 60                     | 9294         | 30.9         | 145.8                              | GGGG                |                      | 174                          | 38                   |
| 05411E                                  | 3136N             | 2523-06095                   | 00000/0000                  | 2-20028/0317     | 06/28/76            | 0                      | 7286         | 58.8         | 96.9                               | GGGG                |                      | 174                          | 38                   |
| 05410E                                  | 4435N             | 2648-06175                   | 00000/0000                  | 2-20037/0552     | 12/10/76            | 90                     | 9587         | 17.3         | 151.6                              | GGGG                |                      | 177                          | 29                   |
| 05409E                                  | 5841N             | 2567-06463                   | 00000/0000                  | 2-20030/1123     | 08/11/76            | 100                    | 7900         | 42.6         | 145.8                              | GGGG                |                      | 182                          | 19                   |
| 05409E                                  | 3603N             | 2470-06153                   | 00000/0000                  | 2-20024/1715     | 05/06/76            | 60                     | 6547         | 56.3         | 117.1                              | GGGG                |                      | 175                          | 35                   |
| 05409E                                  | 3139N             | 2631-06063                   | 00000/0000                  | 2-20034/0715     | 10/14/76            | 10                     | 8792         | 40.5         | 138.4                              | GGGG                |                      | 174                          | 38                   |
| 05408E                                  | 4427N             | 2670-06183                   | 00000/0000                  | 2-20036/0847     | 11/22/76            | 70                     | 9336         | 20.6         | 152.2                              | FGGG                |                      | 177                          | 29                   |
| 05408E                                  | 3607N             | 2704-06081                   | 00000/0000                  | 2-20038/0201     | 12/26/76            | 80                     | 9810         | 22.4         | 146.3                              | FFFF                |                      | 175                          | 35                   |
| 05407E                                  | 3605N             | 2578-06124                   | 00000/0000                  | 2-20030/1731     | 08/22/76            | 10                     | 8053         | 51.3         | 120.6                              | GGG                 |                      | 175                          | 35                   |
| 05407E                                  | 3132N             | 2379-06134                   | 00000/0000                  | 2-20020/0513     | 02/05/76            | 50                     | 5278         | 31.2         | 138.9                              | GGGF                |                      | 174                          | 38                   |
| 05406E                                  | 3605N             | 2722-06073                   | 00000/0000                  | 2-20038/1349     | 01/13/77            | 50                     | 61           | 23.0         | 143.4                              | GGGG                |                      | 175                          | 35                   |
| 05405E                                  | 3559N             | 2542-06134                   | 00000/0000                  | 2-20028/1655     | 07/17/76            | 30                     | 7551         | 57.0         | 107.4                              | GGGG                |                      | 175                          | 35                   |
| 05404E                                  | 3601N             | 2686-06085                   | 00000/0000                  | 2-20037/0466     | 12/08/76            | 40                     | 9559         | 24.1         | 148.0                              | GGGG                |                      | 175                          | 35                   |
| 05403E                                  | 5833N             | 2549-06470                   | 00000/0000                  | 2-20030/0133     | 07/24/76            | 20                     | 7649         | 47.0         | 143.3                              | GGGG                |                      | 182                          | 19                   |
| 05403E                                  | 3557N             | 2668-06094                   | 00000/0000                  | 2-20036/1051     | 11/20/76            | 0                      | 9308         | 27.5         | 148.1                              | PFFG                |                      | 175                          | 35                   |
| 05403E                                  | 3553N             | 2506-06144                   | 00000/0000                  | 2-20026/1328     | 06/11/76            | 30                     | 7049         | 59.5         | 105.9                              | GGGG                |                      | 175                          | 35                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1031

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05402E 5832N                            | 2531-06473        | 00000/0000                   | 2-20028/0819                | 07/06/76         | 90                  | 7398          | 49.9         | 142.5        | GGGG                               |                     |                      | 182                   | 19                   |
| 05401E 3600N                            | 2614-06114        | 00000/0000                   | 2-20034/0084                | 09/27/76         | 0                   | 8555          | 42.7         | 136.0        | GGGG                               |                     |                      | 175                   | 35                   |
| 05400E 3557N                            | 2632-06110        | 00000/0000                   | 2-20034/0807                | 10/15/76         | 10                  | 8806          | 37.5         | 142.0        | GGGG                               |                     |                      | 175                   | 35                   |
| 05357E 5829N                            | 2513-06480        | 00000/0000                   | 2-20026/1824                | 06/18/76         | 60                  | 7147          | 51.0         | 143.5        | GGGG                               |                     |                      | 182                   | 19                   |
| 05356E 5558N                            | 2458-06443        | 00000/0000                   | 2-20024/0609                | 04/24/76         | 30                  | 6380          | 43.0         | 146.6        | GGGG                               |                     |                      | 181                   | 21                   |
| 05356E 4728N                            | 2707-06215        | 00000/0000                   | 2-20038/0691                | 12/29/76         | 90                  | 9852          | 14.0         | 150.8        | GGGG                               |                     |                      | 178                   | 27                   |
| 05355E 4729N                            | 2725-06211        | 00000/0000                   | 2-20039/0098                | 01/16/77         | 50                  | 103           | 15.3         | 148.0        | PPGP                               |                     |                      | 178                   | 27                   |
| 05352E 4724N                            | 2685-06224        | 00000/0000                   | 2-20037/0667                | 12/11/76         | 60                  | 9601          | 15.0         | 152.8        | GGGG                               |                     |                      | 178                   | 27                   |
| 05352E 5557N                            | 2671-06232        | 00000/0000                   | 2-20036/1196                | 11/23/76         | 70                  | 9350          | 18.1         | 153.6        | GGGF                               |                     |                      | 178                   | 27                   |
| 05351E 3023N                            | 2440-06450        | 00000/0000                   | 2-20022/1421                | 04/06/76         | 10                  | 6129          | 36.6         | 148.0        | GGGG                               |                     |                      | 181                   | 21                   |
| 05351E 3023N                            | 2433-06127        | 00000/0000                   | 2-20022/1073                | 03/30/76         | 80                  | 6031          | 48.3         | 122.8        | GFGG                               |                     |                      | 174                   | 39                   |
| 05351E 3020N                            | 2559-06091        | 00000/0000                   | 2-20030/0687                | 08/03/76         | 0                   | 7788          | 55.4         | 103.7        | GGGG                               |                     |                      | 174                   | 39                   |
| 05350E 5552N                            | 2476-06440        | 00000/0000                   | 2-20025/0174                | 05/12/76         | 20                  | 6631          | 48.1         | 144.4        | GFGG                               |                     |                      | 181                   | 21                   |
| 05350E 3016N                            | 2487-06110        | 00000/0000                   | 2-20025/1135                | 05/23/76         | 10                  | 6784          | 59.3         | 100.6        | GGGG                               |                     |                      | 174                   | 39                   |
| 05349E 5556N                            | 2584-06410        | 00000/0000                   | 2-20032/0150                | 08/28/76         | 90                  | 8137          | 39.4         | 145.9        | GGGG                               |                     |                      | 181                   | 21                   |
| 05349E 5021N                            | 2456-06344        | 00000/0000                   | 2-20024/0427                | 04/22/76         | 50                  | 6352          | 46.0         | 140.3        | GGGG                               |                     |                      | 179                   | 25                   |
| 05348E 3020N                            | 2595-06081        | 00000/0000                   | 2-20032/1033                | 09/08/76         | 0                   | 8290          | 50.0         | 121.3        | GGGG                               |                     |                      | 174                   | 39                   |
| 05348E 3020N                            | 2703-06041        | 00000/0000                   | 2-20037/1319                | 12/25/76         | 0                   | 9796          | 26.6         | 143.8        | GFGG                               |                     |                      | 174                   | 39                   |
| 05347E 5554N                            | 2602-06402        | 00000/0000                   | 2-20032/1346                | 09/15/76         | 10                  | 8388          | 33.4         | 149.9        | GGGG                               |                     |                      | 181                   | 21                   |
| 05347E 5553N                            | 2566-06413        | 00000/0000                   | 2-20030/1053                | 03/10/76         | 60                  | 7886          | 44.6         | 142.1        | GGGG                               |                     |                      | 181                   | 21                   |
| 05347E 3011N                            | 2523-06101        | 00000/0000                   | 2-20028/0318                | 06/28/76         | 0                   | 7286          | 58.7         | 94.4         | GGGG                               |                     |                      | 174                   | 39                   |
| 05346E 6009N                            | 2460-06544        | 00000/0000                   | 2-20024/1159                | 04/26/76         | 30                  | 6408          | 40.7         | 151.5        | GGGG                               |                     |                      | 183                   | 18                   |
| 05346E 5546N                            | 2494-06433        | 00000/0000                   | 2-20026/0426                | 05/30/76         | 30                  | 6882          | 51.4         | 141.7        | GGGG                               |                     |                      | 181                   | 21                   |
| 05346E 5018N                            | 2474-06341        | 00000/0000                   | 2-20025/0216                | 05/10/76         | 10                  | 6603          | 51.0         | 137.2        | GGGG                               |                     |                      | 179                   | 25                   |
| 05346E 3015N                            | 2667-06054        | 00000/0000                   | 2-20036/1054                | 11/19/76         | 30                  | 9294          | 31.9         | 145.0        | GGGG                               |                     |                      | 174                   | 39                   |
| 05345E 5019N                            | 2438-06352        | 00000/0000                   | 2-20022/1354                | 04/04/76         | 50                  | 6101          | 39.6         | 142.6        | GGGG                               |                     |                      | 179                   | 25                   |
| 05345E 5018N                            | 2726-06260        | 00000/0000                   | 2-20039/0066                | 01/17/77         | 10                  | 117           | 13.4         | 149.2        | PPPP                               |                     |                      | 179                   | 25                   |
| 05344E 5020N                            | 2582-06312        | 00000/0000                   | 2-20032/0110                | 08/26/76         | 70                  | 8109          | 43.5         | 139.3        | GGFG                               |                     |                      | 179                   | 25                   |
| 05344E 5016N                            | 2690-06273        | 00000/0000                   | 2-20037/0693                | 12/12/76         | 50                  | 9615          | 12.6         | 154.0        | FGGF                               |                     |                      | 179                   | 25                   |
| 05344E 3013N                            | 2631-06070        | 00000/0000                   | 2-20034/0716                | 10/14/76         | 0                   | 8792          | 41.4         | 137.3        | GGGG                               |                     |                      | 174                   | 39                   |
| 05343E 5547N                            | 2620-06400        | 00000/0000                   | 2-20034/0414                | 10/03/76         | 90                  | 8639          | 27.1         | 153.5        | G                                  |                     |                      | 181                   | 21                   |
| 05343E 5305N                            | 2475-06331        | 00000/0000                   | 2-20024/1627                | 05/11/76         | 10                  | 6617          | 49.6         | 140.9        | GGGG                               |                     |                      | 180                   | 23                   |
| 05343E 5017N                            | 2564-06315        | 00000/0000                   | 2-20032/0209                | 08/08/76         | 40                  | 7858          | 48.3         | 134.5        | GGGG                               |                     |                      | 179                   | 25                   |
| 05343E 5010N                            | 2492-06335        | 00000/0000                   | 2-20026/0325                | 05/28/76         | 10                  | 6854          | 54.3         | 133.6        | GGGG                               |                     |                      | 179                   | 25                   |
| 05342E 5545N                            | 2548-06421        | 00000/0000                   | 2-20028/1617                | 07/23/76         | 40                  | 7635          | 48.9         | 139.2        | GGGG                               |                     |                      | 181                   | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN. H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NNN-US  
FROM 01/22/76 TO 01/22/77

PAGE 1032

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | RESOLUTION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05342E 3437N                            | 2470-06160       | 00000/0000 2-20024/1716                            | 05/06/76         | 40                  | 6547            | 56.7         | 114.8        |                                    |                     |                      |                       |                      |
| 05342E 3076N                            | 2379-06141       | 00000/0000 2-20020/0514                            | 02/05/76         | 70                  | 5278            | 32.1         | 138.0        | GGFG                               |                     |                      | 175                   | 36                   |
| 05341E 5028N                            | 2672-06282       | 00000/0000 2-20037/0191                            | 11/24/76         | 10                  | 9364            | 15.6         | 154.9        | GGGG                               |                     |                      | 174                   | 39                   |
| 05341E 4314N                            | 2700-06173       | 00000/0000 2-20038/0259                            | 12/28/76         | 100                 | 9838            | 17.1         | 149.1        | GGGF                               |                     |                      | 179                   | 25                   |
| 05340E 4314N                            | 2724-06165       | 00000/0000 2-20039/0029                            | 01/15/77         | 30                  | 89              | 18.3         | 146.3        | FFFF                               |                     |                      | 177                   | 30                   |
| 05340E 3440N                            | 2573-06130       | 00000/0000 2-20030/1732                            | 02/22/76         | 10                  | 8053            | 51.8         | 118.6        | GGGG                               |                     |                      | 175                   | 36                   |
| 05340E 3433N                            | 2428-06153       | 00000/0000 2-20025/1153                            | 05/24/76         | 10                  | 6798            | 59.0         | 108.1        | GGGG                               |                     |                      | 175                   | 36                   |
| 05339E 5539N                            | 2512-06431       | 00000/0000 2-20026/1772                            | 06/17/76         | 10                  | 7133            | 52.6         | 139.2        | GGGG                               |                     |                      | 181                   | 21                   |
| 05339E 5306N                            | 2553-06361       | 00000/0000 2-20032/0199                            | 08/27/76         | 30                  | 8123            | 41.5         | 142.6        | GGGG                               |                     |                      | 180                   | 23                   |
| 05339E 5300N                            | 2547-06371       | 00000/0000 2-20030/0092                            | 07/22/76         | 40                  | 7621            | 50.6         | 135.2        | GGGG                               |                     |                      | 180                   | 23                   |
| 05339E 5009N                            | 2546-06322       | 00000/0000 2-20029/0111                            | 07/21/76         | 30                  | 7607            | 52.1         | 130.9        | GGGG                               |                     |                      | 179                   | 25                   |
| 05339E 5007N                            | 2528-06325       | 00000/0000 2-20028/0595                            | 07/03/76         | 60                  | 7356            | 54.6         | 129.5        | GGGG                               |                     |                      | 179                   | 25                   |
| 05339E 3433N                            | 2542-06141       | 00000/0000 2-20028/1656                            | 07/17/76         | 0                   | 7551            | 57.1         | 104.9        | GGFF                               |                     |                      | 175                   | 36                   |
| 05338E 6002N                            | 2568-06514       | 00000/0000 2-20030/1187                            | 08/12/76         | 90                  | 7914            | 41.4         | 147.7        | GGGG                               |                     |                      | 183                   | 18                   |
| 05338E 5003N                            | 2565-06364       | 00000/0000 2-20030/0995                            | 08/09/76         | 20                  | 7872            | 46.6         | 138.3        | GGGF                               |                     |                      | 180                   | 23                   |
| 05338E 4309N                            | 2688-06141       | 00000/0000 2-20026/1529                            | 06/15/76         | 10                  | 7105            | 55.5         | 130.5        | GGGG                               |                     |                      | 179                   | 25                   |
| 05337E 5259N                            | 2493-06384       | 00000/0000 2-20037/0553                            | 12/10/76         | 90                  | 9587            | 18.4         | 151.0        | GGGG                               |                     |                      | 177                   | 30                   |
| 05337E 3858N                            | 2579-06173       | 00000/0000 2-20026/0408                            | 05/29/76         | 30                  | 6868            | 52.9         | 137.7        | GGGG                               |                     |                      | 180                   | 23                   |
| 05337E 3436N                            | 2686-06092       | 00000/0000 2-20037/0410                            | 12/08/76         | 10                  | 8067            | 50.0         | 124.8        | GGGF                               |                     |                      | 176                   | 33                   |
| 05337E 3428N                            | 2506-06151       | 00000/0000 2-20026/1329                            | 06/11/76         | 10                  | 7049            | 59.6         | 103.3        | GGGG                               |                     |                      | 175                   | 36                   |
| 05335E 4302N                            | 2670-06190       | 00000/0000 2-20036/0848                            | 11/22/76         | 80                  | 9336            | 21.7         | 151.6        | GGGG                               |                     |                      | 177                   | 30                   |
| 05334E 5253N                            | 2511-06381       | 00000/0000 2-20026/1711                            | 06/16/76         | 80                  | 7119            | 54.1         | 134.9        | GGGG                               |                     |                      | 180                   | 23                   |
| 05334E 3434N                            | 2614-06120       | 00000/0000 2-20034/0085                            | 09/27/76         | 0                   | 8585            | 43.5         | 134.7        | GGGG                               |                     |                      | 175                   | 36                   |
| 05334E 3431N                            | 2632-06113       | 00000/0000 2-20034/0808                            | 10/15/76         | 10                  | 8806            | 38.4         | 141.0        | GGGG                               |                     |                      | 175                   | 36                   |
| 05333E 3849N                            | 2525-06190       | 00000/0000 2-20028/0493                            | 06/30/76         | 10                  | 7314            | 58.3         | 110.0        | GGGG                               |                     |                      | 176                   | 33                   |
| 05333E 3848N                            | 2399-06224       | 00000/0000 2-20021/0602                            | 02/25/76         | 30                  | 5557            | 32.3         | 139.2        | GGGG                               |                     |                      | 176                   | 33                   |
| 05331E 5950N                            | 2514-06532       | 00000/0000 2-20026/1877                            | 06/19/76         | 40                  | 7161            | 50.1         | 145.5        | GGGG                               |                     |                      | 183                   | 18                   |
| 05329E 5853N                            | 2532-06525       | 00000/0000 2-20028/0853                            | 07/07/76         | 70                  | 7412            | 48.9         | 144.7        | GGGG                               |                     |                      | 183                   | 18                   |
| 05329E 3845N                            | 2651-06151       | 00000/0000 2-20035/0493                            | 11/03/76         | 10                  | 9071            | 29.9         | 147.9        | GGGF                               |                     |                      | 176                   | 33                   |
| 05327E 6133N                            | 2461-06595       | 00000/0000 2-20024/0649                            | 04/27/76         | 20                  | 6422            | 40.0         | 153.2        | GGGG                               |                     |                      | 184                   | 17                   |
| 05327E 2856N                            | 2433-06130       | 00000/0000 2-20022/1074                            | 03/30/76         | 20                  | 6031            | 48.9         | 121.1        | GGGG                               |                     |                      | 174                   | 40                   |
| 05327E 2854N                            | 2559-06093       | 00000/0000 2-20030/0638                            | 08/03/76         | 0                   | 7788            | 55.5         | 101.4        | GGGG                               |                     |                      | 174                   | 40                   |
| 05326E 2850N                            | 2487-06113       | 00000/0000 2-20025/1136                            | 05/23/76         | 10                  | 6784            | 59.2         | 98.0         | GGGG                               |                     |                      | 174                   | 40                   |
| 05324E 2854N                            | 2703-06043       | 00000/0000 2-20037/1320                            | 12/25/76         | 0                   | 9796            | 27.6         | 143.1        | GGGG                               |                     |                      | 174                   | 40                   |

KEYS: C\_CLOUD COVER % ..... 0 TO 100 \* % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN=US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05324E 2853N                            | 2595-06083        | 00000/0000                   | 2-20037/1034                | 09/08/76         | 0                   | 8290            | 50.5         | 119.5        | GGGG                               |                     |                      | 174                   | 40                   |
| 05323E 2846N                            | 2523-06104        | 00000/0000                   | 2-20028/0319                | 06/28/76         | 0                   | 7286            | 58.5         | 91.9         | GGGG                               |                     |                      | 174                   | 40                   |
| 05322E 2850N                            | 2667-06060        | 00000/0000                   | 2-20034/1055                | 11/19/76         | 10                  | 9294            | 32.9         | 144.2        | GGGG                               |                     |                      | 174                   | 40                   |
| 05321E 4604N                            | 2707-06222        | 00000/0000                   | 2-20038/0692                | 12/29/76         | 90                  | 9852            | 15.0         | 150.2        | GGGG                               |                     |                      | 178                   | 28                   |
| 05320E 4604N                            | 2725-06214        | 00000/0000                   | 2-20039/0099                | 01/16/77         | 60                  | 103             | 16.4         | 147.4        | PPPP                               |                     |                      | 178                   | 28                   |
| 05320E 2848N                            | 2631-06072        | 00000/0000                   | 2-20034/0717                | 10/14/76         | 10                  | 8792            | 42.3         | 136.1        | GGGG                               |                     |                      | 174                   | 40                   |
| 05318E 2841N                            | 2379-06143        | 00000/0000                   | 2-20020/0515                | 02/05/76         | 70                  | 5278            | 33.0         | 137.1        | GGGG                               |                     |                      | 174                   | 40                   |
| 05317E 4554N                            | 2671-06235        | 00000/0000                   | 2-20036/1197                | 11/23/76         | 70                  | 9350            | 19.2         | 152.9        | GGGF                               |                     |                      | 178                   | 28                   |
| 05316E 6127N                            | 2569-06570        | 00000/0000                   | 2-20030/1149                | 08/13/76         | 10                  | 7928            | 40.2         | 149.6        | GGGG                               |                     |                      | 184                   | 17                   |
| 05316E 4559N                            | 2689-06230        | 00000/0000                   | 2-20037/0658                | 12/11/76         | 60                  | 9601            | 16.1         | 152.2        | FGGG                               |                     |                      | 178                   | 28                   |
| 05316E 3311N                            | 2470-06162        | 00000/0000                   | 2-20024/1735                | 05/06/76         | 30                  | 6547            | 57.0         | 112.4        | GGGG                               |                     |                      | 175                   | 37                   |
| 05314E 5718N                            | 2567-06465        | 00000/0000                   | 2-20030/1124                | 08/11/76         | 80                  | 7900            | 43.5         | 144.0        | GGGG                               |                     |                      | 182                   | 20                   |
| 05314E 3314N                            | 2578-06133        | 00000/0000                   | 2-20030/1733                | 08/22/76         | 0                   | 8053            | 52.2         | 116.6        | GGGG                               |                     |                      | 175                   | 37                   |
| 05313E 3307N                            | 2542-06143        | 00000/0000                   | 2-20028/1657                | 07/17/76         | 10                  | 7551            | 57.2         | 102.5        | GGFF                               |                     |                      | 175                   | 37                   |
| 05312E 3302N                            | 2506-06153        | 00000/0000                   | 2-20026/1330                | 06/11/76         | 10                  | 7049            | 59.6         | 100.6        | GGGG                               |                     |                      | 175                   | 37                   |
| 05311E 6118N                            | 2551-06573        | 00000/0000                   | 2-20030/0139                | 07/26/76         | 20                  | 7677            | 44.8         | 147.4        | GGGG                               |                     |                      | 184                   | 17                   |
| 05310E 6115N                            | 2533-06580        | 00000/0000                   | 2-20028/0909                | 07/08/76         | 60                  | 7426            | 42.0         | 146.7        | GGGG                               |                     |                      | 184                   | 17                   |
| 05310E 4148N                            | 2706-06175        | 00000/0000                   | 2-20038/0260                | 12/28/76         | 90                  | 9838            | 18.2         | 148.5        | FGGF                               |                     |                      | 177                   | 31                   |
| 05310E 3306N                            | 2658-06103        | 00000/0000                   | 2-20036/1087                | 11/20/76         | 10                  | 9308            | 29.6         | 146.6        | FGGG                               |                     |                      | 175                   | 37                   |
| 05309E 5710N                            | 2549-06472        | 00000/0000                   | 2-20030/0280                | 07/24/76         | 10                  | 7649            | 47.8         | 141.3        | GGGG                               |                     |                      | 182                   | 20                   |
| 05309E 148N                             | 2724-06171        | 00000/0000                   | 2-20039/0030                | 01/15/77         | 10                  | 89              | 19.3         | 145.6        | PPPP                               |                     |                      | 177                   | 31                   |
| 05309E 3733N                            | 2579-06175        | 00000/0000                   | 2-20037/0329                | 08/23/76         | 10                  | 8067            | 50.6         | 122.9        | FGFF                               |                     |                      | 176                   | 34                   |
| 05309E 3306N                            | 2632-06115        | 00000/0000                   | 2-20034/0809                | 10/15/76         | 10                  | 8806            | 39.4         | 139.9        | GGGF                               |                     |                      | 175                   | 37                   |
| 05308E 5708N                            | 2531-06475        | 00000/0000                   | 2-20028/0820                | 07/06/76         | 80                  | 7398            | 50.7         | 140.4        | GGGG                               |                     |                      | 182                   | 20                   |
| 05308E 5434N                            | 2458-06445        | 00000/0000                   | 2-20024/0610                | 04/24/76         | 50                  | 6380            | 43.9         | 145.0        | GGGG                               |                     |                      | 181                   | 22                   |
| 05308E 4853N                            | 2474-06344        | 00000/0000                   | 2-20025/0217                | 05/10/76         | 20                  | 6603            | 51.8         | 135.3        | GGGG                               |                     |                      | 179                   | 26                   |
| 05308E 3309N                            | 2614-06123        | 00000/0000                   | 2-20034/0086                | 09/27/76         | 0                   | 8555            | 44.3         | 133.3        | GGGG                               |                     |                      | 175                   | 37                   |
| 05307E 4854N                            | 2438-06354        | 00000/0000                   | 2-20027/1355                | 04/04/76         | 0                   | 6101            | 40.5         | 141.2        | GGGG                               |                     |                      | 179                   | 26                   |
| 05307E 4853N                            | 2708-06271        | 00000/0000                   | 2-20038/0401                | 12/30/76         | 10                  | 9866            | 12.9         | 151.2        | PPPP                               |                     |                      | 179                   | 26                   |
| 05307E 4144N                            | 2688-06184        | 00000/0000                   | 2-20037/0554                | 12/10/76         | 70                  | 9587            | 19.5         | 150.4        | FGGG                               |                     |                      | 177                   | 31                   |
| 05306E 6111N                            | 2515-06584        | 00000/0000                   | 2-20027/0159                | 06/20/76         | 90                  | 7175            | 49.2         | 147.5        | GGGG                               |                     |                      | 184                   | 17                   |
| 05306E 4853N                            | 2726-06263        | 00000/0000                   | 2-20039/0067                | 01/17/77         | 30                  | 117             | 14.5         | 148.5        | PPPP                               |                     |                      | 179                   | 26                   |
| 05305E 4851N                            | 2690-06280        | 00000/0000                   | 2-20037/0694                | 12/12/76         | 70                  | 9615            | 13.7         | 153.3        | FGGG                               |                     |                      | 179                   | 26                   |
| 05305E 3724N                            | 2525-06193        | 00000/0000                   | 2-20028/0494                | 06/30/76         | 20                  | 7314            | 58.5         | 107.4        | FGGG                               |                     |                      | 176                   | 34                   |
| 05305E 3721N                            | 2507-06200        | 00000/0000                   | 2-20026/1502                | 06/12/76         | 80                  | 7063            | 59.3         | 108.5        | GGGG                               |                     |                      | 176                   | 34                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1034

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05304E 5705N                            | 2513-06482        | 00000/0000                   | 2-20026/1825                | 06/18/76         | 60                  | 7147            | 51.8         | 141.3        | GGGG                               |                     |                      | 182                   | 20                   |
| 05304E 3723N                            | 2399-06230        | 00000/0000                   | 2-20021/0603                | 02/25/76         | 70                  | 5557            | 33.2         | 138.2        | GGGG                               |                     |                      | 176                   | 34                   |
| 05303E 5433N                            | 2440-06452        | 00000/0000                   | 2-20027/1422                | 04/06/76         | 10                  | 6129            | 37.6         | 146.6        | GGGG                               |                     |                      | 181                   | 22                   |
| 05303E 3723N                            | 2615-06165        | 00000/0000                   | 2-20034/0012                | 09/28/76         | 70                  | 8569            | 41.6         | 137.6        | GGGG                               |                     |                      | 176                   | 34                   |
| 05303E 2730N                            | 2433-06132        | 00000/0000                   | 2-20027/1075                | 03/30/76         | 20                  | 6031            | 49.4         | 119.4        | GGGG                               |                     |                      | 174                   | 41                   |
| 05303E 5422N                            | 2577-06032        | 00000/0000                   | 2-20030/1641                | 08/21/76         | 10                  | 8039            | 53.5         | 108.0        | FGGG                               |                     |                      | 174                   | 41                   |
| 05302E 5422N                            | 2476-06442        | 00000/0000                   | 2-20025/0175                | 05/12/76         | 40                  | 6631            | 49.0         | 142.6        | GGGG                               |                     |                      | 181                   | 22                   |
| 05302E 4843N                            | 2672-06284        | 00000/0000                   | 2-20037/0192                | 11/24/76         | 0                   | 9364            | 16.8         | 154.2        | GGGG                               |                     |                      | 179                   | 26                   |
| 05302E 2722N                            | 2541-06103        | 00000/0000                   | 2-20028/1548                | 07/16/76         | 10                  | 7537            | 57.0         | 92.6         | GGGG                               |                     |                      | 174                   | 41                   |
| 05301E 5433N                            | 2534-06413        | 00000/0000                   | 2-20032/0151                | 08/28/76         | 90                  | 8137            | 40.3         | 144.4        | GGGG                               |                     |                      | 181                   | 22                   |
| 05301E 5144N                            | 2439-06403        | 00000/0000                   | 2-20027/1554                | 04/05/76         | 30                  | 6115            | 39.1         | 143.9        | GGGG                               |                     |                      | 180                   | 24                   |
| 05301E 5141N                            | 2475-06393        | 00000/0000                   | 2-20024/1628                | 05/11/76         | 50                  | 6617            | 50.5         | 139.0        | GGGG                               |                     |                      | 180                   | 24                   |
| 05301E 4844N                            | 2546-06325        | 00000/0000                   | 2-20029/0112                | 07/21/76         | 30                  | 7607            | 52.8         | 128.8        | GGFF                               |                     |                      | 179                   | 26                   |
| 05301E 4842N                            | 2528-06332        | 00000/0000                   | 2-20028/0596                | 07/03/76         | 50                  | 7356            | 55.2         | 127.2        | GGGG                               |                     |                      | 179                   | 26                   |
| 05301E 3720N                            | 2651-06154        | 00000/0000                   | 2-20035/0494                | 11/03/76         | 0                   | 9071            | 30.9         | 147.1        | GGGG                               |                     |                      | 176                   | 34                   |
| 05301E 2719N                            | 2505-06113        | 00000/0000                   | 2-20026/1230                | 06/10/76         | 10                  | 7035            | 59.1         | 90.4         | GGGG                               |                     |                      | 174                   | 41                   |
| 05300E 4839N                            | 2510-06335        | 00000/0000                   | 2-20024/1530                | 06/15/76         | 10                  | 7105            | 56.1         | 128.1        | GGGG                               |                     |                      | 179                   | 26                   |
| 05300E 2727N                            | 2703-06050        | 00000/0000                   | 2-20037/1321                | 12/25/76         | 0                   | 9796            | 28.6         | 142.4        | GGGG                               |                     |                      | 174                   | 41                   |
| 05259E 5431N                            | 2602-06410        | 00000/0000                   | 2-20037/1347                | 09/15/76         | 10                  | 8388            | 34.4         | 148.6        | FGGG                               |                     |                      | 181                   | 22                   |
| 05259E 5429N                            | 2566-06420        | 00000/0000                   | 2-20030/1054                | 08/10/76         | 70                  | 7886            | 45.5         | 140.3        | GGGG                               |                     |                      | 181                   | 22                   |
| 05259E 2724N                            | 2667-06063        | 00000/0000                   | 2-20036/1056                | 11/19/76         | 0                   | 9294            | 34.0         | 143.3        | GGGG                               |                     |                      | 174                   | 41                   |
| 05258E 5422N                            | 2434-06440        | 00000/0000                   | 2-20026/0427                | 05/30/76         | 10                  | 6882            | 52.3         | 139.6        | FGGG                               |                     |                      | 181                   | 22                   |
| 05257E 5142N                            | 2533-06364        | 00000/0000                   | 2-20037/0200                | 08/27/76         | 10                  | 8123            | 42.4         | 141.0        | GGGG                               |                     |                      | 180                   | 24                   |
| 05257E 2722N                            | 2613-06082        | 00000/0000                   | 2-20037/1884                | 09/26/76         | 0                   | 8541            | 47.4         | 127.0        | GGGG                               |                     |                      | 174                   | 41                   |
| 05256E 5139N                            | 2505-06371        | 00000/0000                   | 2-20037/0996                | 08/09/76         | 10                  | 7872            | 47.3         | 136.5        | GGGG                               |                     |                      | 180                   | 24                   |
| 05256E 5139N                            | 2691-06325        | 00000/0000                   | 2-20037/0772                | 12/13/76         | 10                  | 9629            | 11.4         | 154.5        | GGGG                               |                     |                      | 180                   | 24                   |
| 05256E 5130N                            | 2547-06374        | 00000/0000                   | 2-20030/0093                | 07/22/76         | 10                  | 7621            | 51.3         | 133.1        | GGGG                               |                     |                      | 180                   | 24                   |
| 05256E 2721N                            | 2631-06075        | 00000/0000                   | 2-20034/0718                | 10/14/76         | 10                  | 8792            | 43.1         | 134.8        | GGGG                               |                     |                      | 174                   | 41                   |
| 05255E 5135N                            | 2493-06391        | 00000/0000                   | 2-20026/0397                | 05/29/76         | 20                  | 6868            | 53.7         | 135.6        | P GG                               |                     |                      | 180                   | 24                   |
| 05254E 5422N                            | 2548-06423        | 00000/0000                   | 2-20028/1618                | 07/23/76         | 50                  | 7635            | 49.6         | 137.2        | GGGG                               |                     |                      | 181                   | 22                   |
| 05254E 5420N                            | 2638-06395        | 00000/0000                   | 2-20034/0928                | 10/21/76         | 30                  | 8890            | 22.0         | 155.3        | GGGG                               |                     |                      | 181                   | 22                   |
| 05254E 2714N                            | 2379-06150        | 00000/0000                   | 2-20020/0516                | 02/05/76         | 30                  | 5278            | 33.8         | 136.2        | FFFF                               |                     |                      | 174                   | 41                   |
| 05253E 5132N                            | 2673-06333        | 00000/0000                   | 2-20036/1283                | 11/25/76         | 70                  | 9378            | 14.3         | 155.6        | GGGG                               |                     |                      | 180                   | 24                   |
| 05252E 5417N                            | 2656-06391        | 00000/0000                   | 2-20036/0224                | 11/08/76         | 100                 | 9141            | 16.4         | 156.8        | GGGG                               |                     |                      | 181                   | 22                   |
| 05252E 5415N                            | 2512-06433        | 00000/0000                   | 2-20026/1773                | 06/17/76         | 20                  | 7133            | 53.4         | 137.0        | GGGG                               |                     |                      | 181                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL No./<br>IN RLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05252E 5129N                            | 2511-06384        | 00000/0000                   | 2-20026/1712               | 06/16/76         | 50                  | 7119            | 54.8         | 132.7        | GGGG                               |                     |                      | 180                   | 24                   |
| 05251E 3145N                            | 2470-06165        | 00000/0000                   | 2-20024/1736               | 05/06/76         | 10                  | 6547            | 57.3         | 110.0        | GGGG                               |                     |                      | 175                   | 38                   |
| 05250E 5121N                            | 2457-06401        | 00000/0000                   | 2-20025/0519               | 04/23/76         | 70                  | 6352            | 45.7         | 141.3        | GGGG                               |                     |                      | 180                   | 24                   |
| 05249E 3148N                            | 2578-06135        | 00000/0000                   | 2-20030/1734               | 08/22/76         | 0                   | 8053            | 52.6         | 114.6        | GGGG                               |                     |                      | 175                   | 38                   |
| 05248E 5845N                            | 2460-06550        | 00000/0000                   | 2-20024/1160               | 04/26/76         | 10                  | 6408            | 41.7         | 149.8        | GGGG                               |                     |                      | 183                   | 19                   |
| 05248E 3142N                            | 2542-06150        | 00000/0000                   | 2-20028/1658               | 07/17/76         | 0                   | 7551            | 57.2         | 100.1        | FGGG                               |                     |                      | 175                   | 38                   |
| 05247E 4438N                            | 2707-06224        | 00000/0000                   | 2-20038/0633               | 12/29/76         | 90                  | 9852            | 16.1         | 149.6        | GGFF                               |                     |                      | 178                   | 29                   |
| 05246E 4439N                            | 2725-06220        | 00000/0000                   | 2-20039/0100               | 01/16/77         | 50                  | 103             | 17.4         | 146.7        | FFFF                               |                     |                      | 178                   | 29                   |
| 05246E 3136N                            | 2506-06160        | 00000/0000                   | 2-20026/1331               | 06/11/76         | 0                   | 7049            | 59.6         | 97.9         | GGGG                               |                     |                      | 175                   | 38                   |
| 05245E 3140N                            | 2668-06105        | 00000/0000                   | 2-20036/1088               | 11/20/76         | 10                  | 9308            | 30.7         | 145.8        | GGGG                               |                     |                      | 175                   | 38                   |
| 05244E 5839N                            | 2478-06543        | 00000/0000                   | 2-20025/0692               | 05/14/76         | 20                  | 6659            | 46.7         | 148.0        | GGGG                               |                     |                      | 183                   | 19                   |
| 05243E 4430N                            | 2671-06241        | 00000/0000                   | 2-20036/1198               | 11/23/76         | 60                  | 9350            | 20.3         | 152.3        | FGGF                               |                     |                      | 178                   | 29                   |
| 05243E 3143N                            | 2614-06125        | 00000/0000                   | 2-20034/0087               | 09/27/76         | 0                   | 8555            | 45.1         | 131.9        | GGGG                               |                     |                      | 175                   | 38                   |
| 05243E 3140N                            | 2632-06122        | 00000/0000                   | 2-20034/0810               | 10/15/76         | 10                  | 8806            | 40.3         | 138.8        | FGGG                               |                     |                      | 175                   | 38                   |
| 05242E 4434N                            | 2689-06233        | 00000/0000                   | 2-20037/0669               | 12/11/76         | 100                 | 9601            | 17.2         | 151.6        | GGGG                               |                     |                      | 178                   | 29                   |
| 05241E 5844N                            | 2586-06514        | 00000/0000                   | 2-20032/0393               | 08/30/76         | 60                  | 8165            | 36.8         | 149.3        | GGGG                               |                     |                      | 183                   | 19                   |
| 05241E 5841N                            | 2604-06511        | 00000/0000                   | 2-20034/0281               | 09/17/76         | 60                  | 8416            | 30.7         | 152.9        | GGGG                               |                     |                      | 183                   | 19                   |
| 05241E 5834N                            | 2424-06561        | 00000/0000                   | 2-20022/0294               | 03/21/76         | 0                   | 5906            | 28.5         | 151.3        | GGGG                               |                     |                      | 183                   | 19                   |
| 05241E 3607N                            | 2579-06182        | 00000/0000                   | 2-20032/0330               | 08/23/76         | 10                  | 8067            | 51.1         | 121.0        | FGFF                               |                     |                      | 176                   | 35                   |
| 05240E 5839N                            | 2568-06521        | 00000/0000                   | 2-20030/1188               | 08/12/76         | 90                  | 7914            | 42.3         | 145.9        | GFGG                               |                     |                      | 183                   | 19                   |
| 05239E 3604N                            | 2597-06175        | 00000/0000                   | 2-20032/1070               | 09/10/76         | 50                  | 8318            | 47.1         | 129.0        | GGGG                               |                     |                      | 176                   | 35                   |
| 05238E 5833N                            | 2496-06541        | 00000/0000                   | 2-20026/0119               | 06/01/76         | 30                  | 6910            | 49.9         | 145.6        | GGGG                               |                     |                      | 183                   | 19                   |
| 05238E 3558N                            | 2525-06195        | 00000/0000                   | 2-20028/0495               | 06/30/76         | 10                  | 7314            | 58.6         | 104.9        | GGGG                               |                     |                      | 176                   | 35                   |
| 05238E 3557N                            | 2489-06205        | 00000/0000                   | 2-20026/0044               | 05/25/76         | 50                  | 6812            | 58.9         | 110.3        | GGGG                               |                     |                      | 176                   | 35                   |
| 05238E 3556N                            | 2507-06202        | 00000/0000                   | 2-20026/1503               | 06/12/76         | 30                  | 7063            | 59.5         | 105.8        | FGGG                               |                     |                      | 176                   | 35                   |
| 05236E 5831N                            | 2640-06500        | 00000/0000                   | 2-20034/0968               | 10/23/76         | 90                  | 8918            | 18.0         | 158.4        | GGGG                               |                     |                      | 183                   | 19                   |
| 05236E 3557N                            | 2399-06233        | 00000/0000                   | 2-20021/0604               | 02/25/76         | 50                  | 5587            | 34.1         | 137.2        | GGGG                               |                     |                      | 176                   | 35                   |
| 05235E 3557N                            | 2615-06172        | 00000/0000                   | 2-20034/0013               | 09/28/76         | 50                  | 8569            | 42.4         | 136.4        | FGGG                               |                     |                      | 176                   | 35                   |
| 05234E 5832N                            | 2622-06504        | 00000/0000                   | 2-20034/0524               | 10/05/76         | 90                  | 8667            | 24.3         | 156.1        | G                                  |                     |                      | 183                   | 19                   |
| 05234E 3554N                            | 2651-06160        | 00000/0000                   | 2-20035/0495               | 11/03/76         | 0                   | 9071            | 32.0         | 146.3        | FGGG                               |                     |                      | 176                   | 35                   |
| 05233E 5829N                            | 2658-06492        | 00000/0000                   | 2-20036/0249               | 11/10/76         | 90                  | 9169            | 12.3         | 159.5        | GGGG                               |                     |                      | 183                   | 19                   |
| 05233E 5827N                            | 2514-06534        | 00000/0000                   | 2-20026/1878               | 06/19/76         | 50                  | 7161            | 51.0         | 143.3        | GGGG                               |                     |                      | 183                   | 19                   |
| 05232E 5831N                            | 2532-06531        | 00000/0000                   | 2-20028/0854               | 07/07/76         | 90                  | 7412            | 49.8         | 142.5        | GGGG                               |                     |                      | 183                   | 19                   |
| 05231E 4728N                            | 2708-06274        | 00000/0000                   | 2-20038/0402               | 12/30/76         | 10                  | 9866            | 14.0         | 150.6        | FFFF                               |                     |                      | 179                   | 27                   |
| 05230E 5600N                            | 2459-06501        | 00000/0000                   | 2-20024/0510               | 04/25/76         | 50                  | 6394            | 43.3         | 146.6        | GGGG                               |                     |                      | 182                   | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>REV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05229E 4728N                            | 2716-06265        | 00000/0000                   | 2-20039/0068                | 01/17/77         | 30                  | 117             | 15.5         | 147.9        | PPPP                               |                     |                      | 179                   | 27                   |
| 05227E 4726N                            | 2690-06282        | 00000/0000                   | 2-20037/0695                | 12/12/76         | 60                  | 9615            | 14.8         | 152.7        | GGGG                               |                     |                      | 179                   | 27                   |
| 05226E 3020N                            | 2470-06171        | 00000/0000                   | 2-20024/1737                | 05/06/76         | 10                  | 6547            | 57.5         | 107.6        | GGGG                               |                     |                      | 175                   | 39                   |
| 05225E 4719N                            | 2672-06291        | 00000/0000                   | 2-20037/0193                | 11/24/76         | 20                  | 9364            | 17.9         | 153.6        | GGGG                               |                     |                      | 179                   | 27                   |
| 05224E 5558N                            | 2585-06464        | 00000/0000                   | 2-20032/0173                | 08/29/76         | 90                  | 8151            | 39.0         | 146.1        | GGGG                               |                     |                      | 182                   | 21                   |
| 05224E 3022N                            | 2578-06142        | 00000/0000                   | 2-20030/1735                | 08/22/76         | 10                  | 8053            | 52.9         | 112.6        | GGGG                               |                     |                      | 175                   | 39                   |
| 05223E 6010N                            | 2461-07002        | 00000/0000                   | 2-20024/0650                | 04/27/76         | 60                  | 6422            | 41.0         | 151.4        | GGGG                               |                     |                      | 184                   | 18                   |
| 05223E 5555N                            | 2567-06472        | 00000/0000                   | 2-20030/1125                | 08/11/76         | 90                  | 7900            | 44.4         | 142.3        | GGGG                               |                     |                      | 182                   | 21                   |
| 05223E 3016N                            | 2542-06152        | 00000/0000                   | 2-20028/1659                | 07/17/76         | 0                   | 7551            | 57.1         | 97.7         | GGGG                               |                     |                      | 175                   | 39                   |
| 05222E 5310N                            | 2458-06452        | 00000/0000                   | 2-20024/0611                | 04/24/76         | 30                  | 6380            | 44.8         | 143.3        | FGGG                               |                     |                      | 181                   | 23                   |
| 05222E 3010N                            | 2506-06162        | 00000/0000                   | 2-20026/1332                | 06/11/76         | 0                   | 7049            | 59.5         | 95.3         | GGGG                               |                     |                      | 175                   | 39                   |
| 05221E 5552N                            | 2603-06462        | 00000/0000                   | 2-20032/0875                | 09/16/76         | 0                   | 8402            | 33.1         | 150.1        | GGGG                               |                     |                      | 182                   | 21                   |
| 05221E 5020N                            | 2439-06410        | 00000/0000                   | 2-20022/1555                | 04/05/76         | 10                  | 6115            | 40.0         | 142.5        | GGGG                               |                     |                      | 180                   | 25                   |
| 05221E 5016N                            | 2475-06400        | 00000/0000                   | 2-20025/0152                | 05/11/76         | 30                  | 6617            | 51.3         | 137.0        | GGGG                               |                     |                      | 180                   | 25                   |
| 05220E 3014N                            | 2665-06112        | 00000/0000                   | 2-20036/1089                | 11/20/76         | 10                  | 9308            | 31.7         | 145.1        | GGFG                               |                     |                      | 175                   | 39                   |
| 05219E 3014N                            | 2632-06124        | 00000/0000                   | 2-20034/0811                | 10/15/76         | 20                  | 8806            | 41.2         | 137.6        | GGGG                               |                     |                      | 175                   | 39                   |
| 05218E 5547N                            | 2549-06475        | 00000/0000                   | 2-20030/0281                | 07/24/76         | 10                  | 7649            | 48.7         | 139.4        | GGGG                               |                     |                      | 182                   | 21                   |
| 05218E 5309N                            | 2440-06455        | 00000/0000                   | 2-20022/1423                | 04/06/76         | 10                  | 6129            | 38.5         | 145.2        | GGGG                               |                     |                      | 181                   | 23                   |
| 05218E 5018N                            | 2277-06315        | 00000/0000                   | 2-20038/1451                | 01/18/77         | 20                  | 131             | 13.6         | 149.0        | FGFF                               |                     |                      | 180                   | 25                   |
| 05218E 3017N                            | 2614-06132        | 00000/0000                   | 2-20034/0088                | 09/27/76         | 0                   | 8555            | 45.8         | 130.5        | GGGG                               |                     |                      | 175                   | 39                   |
| 05217E 5545N                            | 2531-06482        | 00000/0000                   | 2-20028/0821                | 07/06/76         | 80                  | 7398            | 51.5         | 138.3        | GGGG                               |                     |                      | 182                   | 21                   |
| 05217E 5303N                            | 2476-06445        | 00000/0000                   | 2-20025/0176                | 05/12/76         | 10                  | 6631            | 49.9         | 140.7        | GGGG                               |                     |                      | 181                   | 23                   |
| 05216E 5308N                            | 2584-06415        | 00000/0000                   | 2-20032/0152                | 08/28/76         | 40                  | 8137            | 41.2         | 142.9        | GGGG                               |                     |                      | 181                   | 23                   |
| 05216E 3014N                            | 2565-06373        | 00000/0000                   | 2-20030/0997                | 08/09/76         | 20                  | 7872            | 48.1         | 134.7        | GGGG                               |                     |                      | 180                   | 25                   |
| 05216E 5014N                            | 2691-06331        | 00000/0000                   | 2-20037/0773                | 12/13/76         | 90                  | 9629            | 12.5         | 153.9        | GGGG                               |                     |                      | 180                   | 25                   |
| 05215E 5544N                            | 2621-06454        | 00000/0000                   | 2-20034/0315                | 10/04/76         | 80                  | 8653            | 26.8         | 153.7        | GGGG                               |                     |                      | 182                   | 21                   |
| 05215E 5011N                            | 2547-06380        | 00000/0000                   | 2-20030/0094                | 07/22/76         | 30                  | 7621            | 52.0         | 131.1        | GGGG                               |                     |                      | 180                   | 25                   |
| 05215E 3442N                            | 2579-06184        | 00000/0000                   | 2-20032/0331                | 08/23/76         | 10                  | 8067            | 51.6         | 119.1        | GGGF                               |                     |                      | 176                   | 36                   |
| 05214E 5541N                            | 2513-06485        | 00000/0000                   | 2-20026/1826                | 06/18/76         | 60                  | 7147            | 52.6         | 139.1        | GGGG                               |                     |                      | 182                   | 21                   |
| 05214E 5307N                            | 2602-06412        | 00000/0000                   | 2-20032/1348                | 09/15/76         | 10                  | 8388            | 35.4         | 147.4        | GGGG                               |                     |                      | 181                   | 23                   |
| 05214E 5305N                            | 2566-06422        | 00000/0000                   | 2-20030/1055                | 08/10/76         | 60                  | 7886            | 46.3         | 138.5        | GGGG                               |                     |                      | 181                   | 23                   |
| 05214E 5009N                            | 2529-06383        | 00000/0000                   | 2-20028/0664                | 07/04/76         | 90                  | 7370            | 54.5         | 129.5        | GGFG                               |                     |                      | 180                   | 25                   |
| 05213E 6004N                            | 2569-06573        | 00000/0000                   | 2-20030/1150                | 08/13/76         | 60                  | 7928            | 41.1         | 147.9        | GGGG                               |                     |                      | 184                   | 18                   |
| 05213E 5258N                            | 2494-06442        | 00000/0000                   | 2-20026/0428                | 05/30/76         | 20                  | 6882            | 53.1         | 137.5        | GGGG                               |                     |                      | 181                   | 23                   |
| 05213E 5007N                            | 2673-06340        | 00000/0000                   | 2-20036/1284                | 11/25/76         | 70                  | 9378            | 15.4         | 154.9        | GGGF                               |                     |                      | 180                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANKS=NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05213E 4314N                            | 2725-06223        | 00000/0000                   | 2-20039/0101                | 01/16/77         | 10                  | 103             | 18.4         | 146.1        | FFFF                               |                     |                      | 178                   | 30                   |
| 05213E 3438N                            | 2597-06182        | 00000/0000                   | 2-20032/1071                | 09/10/76         | 0                   | 8318            | 47.8         | 127.4        | GGFG                               |                     |                      | 176                   | 36                   |
| 05212E 5004N                            | 2511-06390        | 00000/0000                   | 2-20026/1713                | 06/16/76         | 40                  | 7119            | 55.5         | 130.4        | GGGG                               |                     |                      | 180                   | 25                   |
| 05212E 3438N                            | 2687-06150        | 00000/0000                   | 2-20037/0556                | 12/09/76         | 10                  | 9573            | 25.0         | 147.3        | GGGG                               |                     |                      | 176                   | 36                   |
| 05212E 3432N                            | 2489-06211        | 00000/0000                   | 2-20026/0045                | 05/25/76         | 10                  | 6812            | 59.1         | 107.7        | GGGG                               |                     |                      | 176                   | 36                   |
| 05212E 3432N                            | 2525-06202        | 00000/0000                   | 2-20028/0496                | 06/30/76         | 0                   | 7314            | 58.7         | 102.3        | GGGG                               |                     |                      | 176                   | 36                   |
| 05211E 4305N                            | 2671-06244        | 00000/0000                   | 2-20036/1199                | 11/23/76         | 50                  | 9350            | 21.4         | 151.6        | FGGF                               |                     |                      | 178                   | 30                   |
| 05211E 3430N                            | 2507-06205        | 00000/0000                   | 2-20026/1504                | 06/12/76         | 0                   | 7068            | 59.6         | 103.2        | GGGG                               |                     |                      | 176                   | 36                   |
| 05210E 5300N                            | 2620-06405        | 00000/0000                   | 2-20034/0246                | 10/03/76         | 80                  | 8639            | 29.3         | 151.4        | GGFG                               |                     |                      | 181                   | 23                   |
| 05210E 5258N                            | 2548-06430        | 00000/0000                   | 2-20028/1619                | 07/23/76         | 50                  | 7635            | 50.4         | 135.2        | FGGG                               |                     |                      | 181                   | 23                   |
| 05210E 4956N                            | 2457-06403        | 00000/0000                   | 2-20025/0520                | 04/23/76         | 20                  | 6352            | 46.5         | 139.7        | GGGG                               |                     |                      | 180                   | 25                   |
| 05210E 4308N                            | 2689-06235        | 00000/0000                   | 2-20037/0670                | 12/11/76         | 100                 | 9601            | 18.3         | 151.0        | GGGG                               |                     |                      | 178                   | 30                   |
| 05210E 3901N                            | 2580-06231        | 00000/0000                   | 2-20030/1821                | 08/24/76         | 0                   | 8081            | 49.8         | 125.2        | FFPP                               |                     |                      | 177                   | 33                   |
| 05209E 7204N                            | 2471-07534        | 00000/0000                   | 2-20024/1664                | 05/07/76         | 20                  | 6562            | 34.6         | 170.2        | GGGG                               |                     |                      | 194                   | 9                    |
| 05209E 5257N                            | 2638-06401        | 00000/0000                   | 2-20034/0929                | 10/21/76         | 50                  | 8890            | 23.1         | 154.4        | GGGG                               |                     |                      | 181                   | 23                   |
| 05209E 3432N                            | 2399-06235        | 00000/0000                   | 2-20021/0605                | 02/25/76         | 70                  | 5557            | 34.9         | 136.2        | GGGG                               |                     |                      | 176                   | 36                   |
| 05209E 3431N                            | 2669-06155        | 00000/0000                   | 2-20036/1123                | 11/21/76         | 0                   | 9322            | 28.4         | 147.4        | GGGG                               |                     |                      | 176                   | 36                   |
| 05208E 5956N                            | 2551-06580        | 00000/0000                   | 2-20030/0140                | 07/26/76         | 80                  | 7677            | 45.7         | 145.4        | FGGG                               |                     |                      | 184                   | 18                   |
| 05208E 5953N                            | 2533-06583        | 00000/0000                   | 2-20028/0910                | 07/08/76         | 70                  | 7426            | 48.8         | 144.6        | GGGG                               |                     |                      | 184                   | 18                   |
| 05208E 5251N                            | 2512-06440        | 00000/0000                   | 2-20026/1774                | 06/17/76         | 20                  | 7133            | 54.1         | 134.8        | GGGG                               |                     |                      | 181                   | 23                   |
| 05208E 3846N                            | 2508-06252        | 00000/0000                   | 2-20026/1448                | 06/13/76         | 80                  | 7077            | 59.1         | 110.9        | GGGG                               |                     |                      | 177                   | 33                   |
| 05207E 5253N                            | 2656-06393        | 00000/0000                   | 2-20036/0225                | 11/08/76         | 100                 | 9141            | 17.5         | 156.0        | GGGG                               |                     |                      | 181                   | 23                   |
| 05207E 3429N                            | 2651-06163        | 00000/0000                   | 2-20035/0496                | 11/03/76         | 40                  | 9071            | 33.0         | 145.4        | GGGG                               |                     |                      | 176                   | 36                   |
| 05206E 3847N                            | 2526-06245        | 00000/0000                   | 2-20028/0444                | 07/01/76         | 40                  | 7328            | 58.2         | 110.0        | GGGG                               |                     |                      | 177                   | 33                   |
| 05205E 3850N                            | 2616-06221        | 00000/0000                   | 2-20034/0153                | 09/29/76         | 70                  | 8583            | 40.4         | 139.2        | GGGG                               |                     |                      | 177                   | 33                   |
| 05204E 5949N                            | 2515-06590        | 00000/0000                   | 2-20027/0160                | 06/20/76         | 90                  | 7175            | 50.1         | 145.4        | GGGG                               |                     |                      | 184                   | 18                   |
| 05203E 3845N                            | 2652-06210        | 00000/0000                   | 2-20035/0526                | 11/04/76         | 10                  | 9085            | 29.6         | 148.0        | GGGG                               |                     |                      | 177                   | 33                   |
| 05201E 2856N                            | 2452-06181        | 00000/0000                   | 2-20023/0393                | 04/18/76         | 30                  | 6296            | 54.1         | 113.4        | GGGG                               |                     |                      | 175                   | 40                   |
| 05200E 2849N                            | 2488-06171        | 00000/0000                   | 2-20025/1154                | 05/24/76         | 0                   | 6798            | 59.3         | 97.6         | GGGG                               |                     |                      | 175                   | 40                   |
| 05159E 6131N                            | 2462-07054        | 00000/0000                   | 2-20024/0784                | 04/28/76         | 10                  | 6436            | 40.4         | 153.1        | G                                  |                     |                      | 185                   | 17                   |
| 05159E 2852N                            | 2560-06151        | 00000/0000                   | 2-20030/0800                | 08/04/76         | 0                   | 7802            | 55.3         | 101.8        | GGGG                               |                     |                      | 175                   | 40                   |
| 05158E 2844N                            | 2524-06162        | 00000/0000                   | 2-20028/0381                | 06/29/76         | 10                  | 7300            | 58.4         | 91.9         | GGGG                               |                     |                      | 175                   | 40                   |
| 05157E 2851N                            | 2596-06141        | 00000/0000                   | 2-20032/0731                | 09/09/76         | 0                   | 8304            | 50.3         | 120.0        | GGGG                               |                     |                      | 175                   | 40                   |
| 05156E 2848N                            | 2668-06114        | 00000/0000                   | 2-20034/1090                | 11/20/76         | 0                   | 9308            | 32.7         | 144.3        | GGGG                               |                     |                      | 175                   | 40                   |
| 05155E 4603N                            | 2708-06280        | 00000/0000                   | 2-20038/0403                | 12/30/76         | 90                  | 9866            | 15.0         | 150.0        | FFFF                               |                     |                      | 175                   | 28                   |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING

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FOR NON-US

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 05155E                      | 2848N             | 2632-06131            | 00000/0000           | 2-20034/0812     | 10/15/76            | 10              | 8806         | 42.0         | 136.4                 | GGGG                |                      | 175                   | 40                   |
| 05154E                      | 4603N             | 2726-06272            | 00000/0000           | 2-20039/0069     | 01/17/77            | 20              | 117          | 16.5         | 147.2                 | PPPP                |                      | 179                   | 28                   |
| 05153E                      | 5722N             | 2460-06553            | 00000/0000           | 2-20024/1161     | 04/26/76            | 20              | 6408         | 42.7         | 148.1                 | GGGG                |                      | 183                   | 20                   |
| 05152E                      | 4601N             | 2690-06235            | 00000/0000           | 2-20037/0696     | 12/12/76            | 90              | 9615         | 15.9         | 152.1                 | GGGG                |                      | 179                   | 28                   |
| 05152E                      | 3318N             | 2453-06223            | 00000/0000           | 2-20023/0433     | 04/19/76            | 60              | 6310         | 53.2         | 119.3                 | GGGG                |                      | 176                   | 37                   |
| 05150E                      | 57.9N             | 2442-06560            | 00000/0000           | 2-20022/1621     | 04/08/76            | 90              | 6157         | 36.4         | 149.3                 | GGGG                |                      | 183                   | 20                   |
| 05150E                      | 5716              | 2478-06550            | 00000/0000           | 2-20025/0445     | 05/14/76            | 20              | 6659         | 47.7         | 146.1                 | GGGG                |                      | 183                   | 20                   |
| 05150E                      | 4554N             | 2672-06293            | 00000/0000           | 2-20037/0194     | 11/24/76            | 70              | 9364         | 19.0         | 152.9                 | GGGG                |                      | 179                   | 28                   |
| 05149E                      | 6128N             | 2570-07024            | 00000/0000           | 2-20030/1266     | 08/14/76            | 10              | 7942         | 39.9         | 149.8                 | GGGF                |                      | 185                   | 17                   |
| 05149E                      | 3316N             | 2579-06191            | 00000/0000           | 2-20032/0357     | 08/23/76            | 10              | 8067         | 52.0         | 117.2                 | GGGG                |                      | 176                   | 37                   |
| 05147E                      | 3312N             | 2597-06184            | 00000/0000           | 2-20032/1072     | 09/10/76            | 0               | 8318         | 48.4         | 125.8                 | GGGF                |                      | 176                   | 37                   |
| 05146E                      | 5720N             | 2586-06520            | 00000/0000           | 2-20032/0394     | 08/30/76            | 60              | 8165         | 37.8         | 147.8                 | GGGG                |                      | 183                   | 20                   |
| 05146E                      | 5718N             | 2604-06517            | 00000/0000           | 2-20034/0232     | 09/17/76            | 10              | 8416         | 31.7         | 151.6                 | GGGG                |                      | 183                   | 20                   |
| 05146E                      | 5711N             | 2424-06563            | 00000/0000           | 2-20022/0295     | 03/21/76            | 0               | 5906         | 29.5         | 150.0                 | GGG                 |                      | 183                   | 20                   |
| 05146E                      | 3311N             | 2657-06152            | 00000/0000           | 2-20037/0555     | 12/09/76            | 10              | 9573         | 26.0         | 146.7                 | G GG                |                      | 176                   | 37                   |
| 05146E                      | 3307N             | 2525-06204            | 00000/0000           | 2-20028/0497     | 06/30/76            | 0               | 7314         | 58.7         | 99.7                  | GGGF                |                      | 176                   | 37                   |
| 05146E                      | 3306N             | 2489-06214            | 00000/0000           | 2-20024/0046     | 05/25/76            | 10              | 6812         | 59.3         | 105.1                 | FGGG                |                      | 176                   | 37                   |
| 05146E                      | 3305N             | 2537-06211            | 00000/0000           | 2-20026/1505     | 06/12/76            | 0               | 7063         | 59.6         | 100.5                 | GGGG                |                      | 176                   | 37                   |
| 05145E                      | 5716N             | 2568-06523            | 00000/0000           | 2-20030/1189     | 08/12/76            | 90              | 7914         | 43.2         | 144.2                 | GFGG                |                      | 183                   | 20                   |
| 05143E                      | 5710N             | 2496-06543            | 00000/0000           | 2-20026/0120     | 06/01/76            | 20              | 6910         | 50.8         | 143.5                 | GGGG                |                      | 183                   | 20                   |
| 05143E                      | 4851              | 2475-06402            | 00000/0000           | 2-20025/0153     | 05/11/76            | 10              | 6617         | 52.1         | 135.1                 | GGGG                |                      | 180                   | 26                   |
| 05143E                      | 3304              | 2393-06242            | 00000/0000           | 2-20021/0606     | 02/25/76            | 60              | 5557         | 35.7         | 135.2                 | GGGG                |                      | 176                   | 37                   |
| 05143E                      | 3303              | 2669-06161            | 00000/0000           | 2-20036/1124     | 11/21/76            | 0               | 9322         | 29.4         | 146.7                 | FGGG                |                      | 176                   | 37                   |
| 05142E                      | 5708N             | 2640-06512            | 00000/0000           | 2-20034/0969     | 10/23/76            | 90              | 8918         | 19.1         | 157.4                 | GGGG                |                      | 183                   | 20                   |
| 05142E                      | 4436N             | 2454-06503            | 00000/0000           | 2-20024/0511     | 04/25/76            | 40              | 6394         | 44.2         | 144.9                 | GGGG                |                      | 182                   | 22                   |
| 05142E                      | 4434N             | 2433-06412            | 00000/0000           | 2-20022/1556     | 04/05/76            | 0               | 6115         | 40.9         | 141.1                 | GGGG                |                      | 180                   | 26                   |
| 05142E                      | 4446N             | 2725-06225            | 00000/0000           | 2-20039/0102     | 01/16/77            | 30              | 103          | 19.4         | 145.5                 | FFFF                |                      | 178                   | 31                   |
| 05142E                      | 4735N             | 2540-06234            | 00000/0000           | 2-20030/1822     | 08/21/76            | 10              | 8081         | 50.4         | 123.4                 | FFFF                |                      | 177                   | 34                   |
| 05141E                      | 6117N             | 2552-07032            | 00000/0000           | 2-20030/0270     | 07/27/76            | 40              | 7691         | 44.6         | 147.5                 | GG                  |                      | 185                   | 17                   |
| 05141E                      | 6114N             | 2516-07042            | 00000/0000           | 2-20027/0055     | 06/21/76            | 60              | 7189         | 49.2         | 147.5                 | GGGG                |                      | 185                   | 17                   |
| 05141E                      | 3304              | 2633-06173            | 00000/0000           | 2-20034/0858     | 10/16/76            | 20              | 8820         | 39.1         | 140.2                 | FFFF                |                      | 176                   | 37                   |
| 05140E                      | 5709N             | 2622-06510            | 00000/0000           | 2-20034/0525     | 10/05/76            | 100             | 8667         | 25.4         | 154.9                 | GGGG                |                      | 183                   | 20                   |
| 05140E                      | 4139N             | 2671-06250            | 00000/0000           | 2-20036/1200     | 11/23/76            | 50              | 9350         | 22.5         | 150.9                 | GGGF                |                      | 178                   | 31                   |
| 05140E                      | 3720N             | 2508-06254            | 00000/0000           | 2-20026/1449     | 06/13/76            | 90              | 7077         | 59.3         | 108.3                 | GGGG                |                      | 177                   | 34                   |
| 05139E                      | 6113N             | 2504-07035            | 00000/0000           | 2-20028/1003     | 07/09/76            | 70              | 7440         | 47.8         | 146.7                 | FGGG                |                      | 185                   | 17                   |

KEYS: CLOUD COVER ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05139E                      | 5708N | 2532-06534 | 00000/0000        | 2-20028/0855                 | 07/07/76                    | 100              | 7412                | 50.6            | 140.4        | GGGG         |                                    |                     |                      | 183                   | 20                   |
| 05139E                      | 5704N | 2514-06541 | 00000/0000        | 2-20026/1879                 | 06/19/76                    | 70               | 7161                | 51.8            | 141.2        | GGGG         |                                    |                     |                      | 183                   | 20                   |
| 05138E                      | 5706N | 2658-06494 | 00000/0000        | 2-20036/0250                 | 11/10/76                    | 80               | 9169                | 13.5            | 158.6        | GGGG         |                                    |                     |                      | 183                   | 20                   |
| 05138E                      | 5145N | 2458-06454 | 00000/0000        | 2-20024/0612                 | 04/24/76                    | 10               | 6380                | 45.7            | 141.7        | GGGG         |                                    |                     |                      | 181                   | 24                   |
| 05138E                      | 4849N | 2691-06334 | 00000/0000        | 2-20037/0774                 | 12/13/76                    | 100              | 9629                | 13.6            | 153.2        | GGGG         |                                    |                     |                      | 180                   | 26                   |
| 05138E                      | 3722N | 2526-06251 | 00000/0000        | 2-20028/0445                 | 07/01/76                    | 40               | 7328                | 58.4            | 107.4        | GGGG         |                                    |                     |                      | 177                   | 34                   |
| 05138E                      | 3721N | 2670-06204 | 00000/0000        | 2-20036/1659                 | 11/22/76                    | 10               | 9336                | 26.0            | 148.9        | GGGG         |                                    |                     |                      | 177                   | 34                   |
| 05137E                      | 4846N | 2547-06383 | 00000/0000        | 2-20030/0095                 | 07/22/76                    | 20               | 7621                | 52.6            | 129.0        | GGGG         |                                    |                     |                      | 180                   | 26                   |
| 05137E                      | 3725N | 2616-06224 | 00000/0000        | 2-20034/0154                 | 03/29/76                    | 80               | 8583                | 41.3            | 138.0        | GGGG         |                                    |                     |                      | 177                   | 34                   |
| 05136E                      | 5434N | 2585-06471 | 00000/0000        | 2-20032/0174                 | 08/29/76                    | 90               | 8151                | 40.0            | 144.6        | GGGG         |                                    |                     |                      | 182                   | 22                   |
| 05136E                      | 4844N | 2529-06390 | 00000/0000        | 2-20028/0665                 | 07/04/76                    | 70               | 7370                | 55.1            | 127.2        | GGGG         |                                    |                     |                      | 180                   | 26                   |
| 05135E                      | 5426N | 2477-06501 | 00000/0000        | 2-20025/0309                 | 05/13/76                    | 10               | 6645                | 49.3            | 142.4        | GGGG         |                                    |                     |                      | 182                   | 22                   |
| 05135E                      | 5145N | 2710-06374 | 00000/0000        | 2-20032/0539                 | 01/01/77                    | 0                | 9894                | 10.8            | 152.3        | GGGG         |                                    |                     |                      | 181                   | 24                   |
| 05135E                      | 5144N | 2440-06461 | 00000/0000        | 2-20027/1424                 | 04/06/76                    | 0                | 6129                | 39.5            | 143.8        | GGGG         |                                    |                     |                      | 181                   | 24                   |
| 05135E                      | 4843N | 2673-06342 | 00000/0000        | 2-20036/1285                 | 11/25/76                    | 10               | 9378                | 16.6            | 154.2        | GGGG         |                                    |                     |                      | 180                   | 26                   |
| 05134E                      | 5139N | 2476-06451 | 00000/0000        | 2-20025/0177                 | 05/12/76                    | 10               | 6631                | 50.7            | 138.7        | GGGG         |                                    |                     |                      | 181                   | 24                   |
| 05134E                      | 4840N | 2511-06393 | 00000/0000        | 2-20026/1714                 | 06/16/76                    | 20               | 7119                | 56.1            | 128.1        | GGGG         |                                    |                     |                      | 180                   | 26                   |
| 05133E                      | 5429N | 2603-06464 | 00000/0000        | 2-20032/0876                 | 09/16/76                    | 0                | 8402                | 34.1            | 148.8        | GGGG         |                                    |                     |                      | 182                   | 22                   |
| 05133E                      | 5144N | 2584-06422 | 00000/0000        | 2-20032/0153                 | 08/28/76                    | 10               | 8137                | 42.1            | 141.3        | GGGG         |                                    |                     |                      | 181                   | 24                   |
| 05131E                      | 5421N | 2639-06453 | 00000/0000        | 2-20034/1010                 | 10/22/76                    | 10               | 8904                | 21.7            | 155.4        | GGGG         |                                    |                     |                      | 182                   | 22                   |
| 05131E                      | 5140N | 2566-06425 | 00000/0000        | 2-20030/1056                 | 08/10/76                    | 20               | 7886                | 47.1            | 136.7        | GGGG         |                                    |                     |                      | 181                   | 24                   |
| 05131E                      | 5134N | 2494-06445 | 00000/0000        | 2-20026/0429                 | 05/30/76                    | 30               | 6882                | 53.8            | 135.3        | GGGG         |                                    |                     |                      | 181                   | 24                   |
| 05130E                      | 5423N | 2549-06481 | 00000/0000        | 2-20030/0282                 | 07/24/76                    | 10               | 7649                | 49.4            | 137.4        | GGGG         |                                    |                     |                      | 182                   | 22                   |
| 05130E                      | 5421N | 2531-06484 | 00000/0000        | 2-20028/0822                 | 07/06/76                    | 90               | 7398                | 52.3            | 136.1        | GGGG         |                                    |                     |                      | 182                   | 22                   |
| 05130E                      | 5141N | 2602-06415 | 00000/0000        | 2-20032/1349                 | 09/15/76                    | 10               | 8388                | 36.4            | 146.1        | GGGG         |                                    |                     |                      | 181                   | 24                   |
| 05128E                      | 5421N | 2621-06461 | 00000/0000        | 2-20034/0316                 | 10/04/76                    | 90               | 8653                | 27.9            | 152.6        | GGGG         |                                    |                     |                      | 182                   | 22                   |
| 05128E                      | 5135N | 2620-06412 | 00000/0000        | 2-20034/0247                 | 10/03/76                    | 90               | 8639                | 30.3            | 150.3        | GGGG         |                                    |                     |                      | 181                   | 24                   |
| 05128E                      | 1004N | 2377-06033 | 00000/0000        | 2-20020/0861                 | 02/03/76                    | 30               | 5250                | 42.4            | 124.0        | GGGG         |                                    |                     |                      | 172                   | 53                   |
| 05127E                      | 5418N | 2513-06491 | 00000/0000        | 2-20026/1827                 | 06/18/76                    | 30               | 7147                | 53.4            | 136.9        | GGGG         |                                    |                     |                      | 182                   | 22                   |
| 05127E                      | 5416N | 2657-06445 | 00000/0000        | 2-20036/0210                 | 11/09/76                    | 90               | 9155                | 16.1            | 156.9        | GGGG         |                                    |                     |                      | 182                   | 22                   |
| 05127E                      | 5134N | 2548-06432 | 00000/0000        | 2-20028/1620                 | 07/23/76                    | 80               | 7635                | 51.1            | 133.2        | GGGG         |                                    |                     |                      | 181                   | 24                   |
| 05127E                      | 5132N | 2638-06404 | 00000/0000        | 2-20034/0930                 | 10/21/76                    | 70               | 8890                | 24.2            | 153.5        | GGGG         |                                    |                     |                      | 181                   | 24                   |
| 05126E                      | 5127N | 2512-06442 | 00000/0000        | 2-20026/1775                 | 06/17/76                    | 10               | 7133                | 54.8            | 132.5        | GGGG         |                                    |                     |                      | 181                   | 24                   |
| 05126E                      | 3151N | 2453-06230 | 00000/0000        | 2-20023/0434                 | 04/19/76                    | 60               | 6310                | 53.6            | 117.2        | GGGG         |                                    |                     |                      | 176                   | 38                   |
| 05125E                      | 5129N | 2656-06400 | 00000/0000        | 2-20036/0226                 | 11/08/76                    | 90               | 9141                | 18.6            | 155.3        | GGGG         |                                    |                     |                      | 181                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05124E 3150N                            | 2579-06193        | 00000/0000                   | 2-20032/0358                | 08/23/76         | 0                   | 8067            | 52.4         | 115.2        | GGGG                               |                     |                      | 176                   | 38                   |
| 05124E 3144N                            | 2471-06223        | 00000/0000                   | 2-20024/1693                | 05/07/76         | 0                   | 6561            | 57.4         | 109.6        | GGGG                               |                     |                      | 176                   | 38                   |
| 05123E 5847N                            | 2461-07004        | 00000/0000                   | 2-20024/0651                | 04/27/76         | 80                  | 6422            | 42.0         | 149.7        | GGGG                               |                     |                      | 184                   | 19                   |
| 05121E 4438N                            | 2708-06283        | 00000/0000                   | 2-20038/0404                | 12/30/76         | 100                 | 9866            | 16.1         | 149.4        | PPPP                               |                     |                      | 179                   | 29                   |
| 05121E 3146N                            | 2557-06191        | 00000/0000                   | 2-20032/1073                | 09/10/76         | 0                   | 8318            | 49.0         | 124.1        | GGGG                               |                     |                      | 176                   | 38                   |
| 05121E 3145N                            | 2687-06155        | 00000/0000                   | 2-20037/0557                | 12/09/76         | 50                  | 9573            | 27.1         | 146.0        | GGGG                               |                     |                      | 176                   | 38                   |
| 05121E 3142N                            | 2525-06211        | 00000/0000                   | 2-20028/0498                | 06/30/76         | 0                   | 7314            | 58.6         | 97.2         | GGGG                               |                     |                      | 176                   | 38                   |
| 05121E 3139N                            | 2507-06214        | 00000/0000                   | 2-20026/1506                | 06/12/76         | 0                   | 7063            | 59.6         | 97.9         | GGGG                               |                     |                      | 176                   | 38                   |
| 05120E 4438N                            | 2726-06274        | 00000/0000                   | 2-20039/0070                | 01/17/77         | 20                  | 117             | 17.5         | 146.6        | PPPP                               |                     |                      | 179                   | 29                   |
| 05118E 4436N                            | 2690-06291        | 00000/0000                   | 2-20037/0697                | 12/12/76         | 70                  | 9615            | 17.0         | 151.5        | GGGG                               |                     |                      | 179                   | 29                   |
| 05118E 3141N                            | 2399-06244        | 00000/0000                   | 2-20021/0607                | 02/25/76         | 10                  | 5557            | 36.6         | 134.1        | GGGG                               |                     |                      | 176                   | 38                   |
| 05118E 3139N                            | 2669-06164        | 00000/0000                   | 2-20036/1125                | 11/21/76         | 0                   | 9322            | 30.5         | 145.9        | GGGG                               |                     |                      | 176                   | 38                   |
| 05116E 4429N                            | 2672-06300        | 00000/0000                   | 2-20037/0195                | 11/24/76         | 80                  | 9364            | 20.1         | 152.3        | GGGG                               |                     |                      | 179                   | 29                   |
| 05116E 4023N                            | 2455-06320        | 00000/0000                   | 2-20024/0250                | 04/21/76         | 30                  | 6338            | 51.0         | 128.3        | G                                  |                     |                      | 178                   | 32                   |
| 05116E 4020N                            | 2473-06313        | 00000/0000                   | 2-20024/1889                | 05/09/76         | 10                  | 6589            | 55.5         | 122.9        | GGGG                               |                     |                      | 178                   | 32                   |
| 05115E 3609N                            | 2540-06240        | 00000/0000                   | 2-20030/1823                | 08/24/76         | 10                  | 8081            | 50.9         | 121.5        | FGGG                               |                     |                      | 177                   | 35                   |
| 05115E 3136N                            | 2633-06180        | 00000/0000                   | 2-20034/0859                | 10/16/76         | 20                  | 8820            | 40.0         | 139.0        | GGGG                               |                     |                      | 176                   | 38                   |
| 05114E 5841N                            | 2569-06575        | 00000/0000                   | 2-20030/0131                | 03/13/76         | 90                  | 7928            | 42.0         | 146.1        | GGGG                               |                     |                      | 184                   | 19                   |
| 05114E 3557N                            | 2450-06263        | 00000/0000                   | 2-20026/0158                | 05/26/76         | 10                  | 6826            | 59.0         | 110.0        | FGGG                               |                     |                      | 177                   | 35                   |
| 05113E 4022N                            | 2707-06240        | 00000/0000                   | 2-20038/0270                | 12/29/76         | 80                  | 9852            | 19.3         | 147.8        | GGGG                               |                     |                      | 178                   | 32                   |
| 05113E 3555N                            | 2508-06261        | 00000/0000                   | 2-20026/1450                | 06/13/76         | 40                  | 7077            | 59.5         | 105.6        | GGGG                               |                     |                      | 177                   | 35                   |
| 05112E 3620N                            | 2418-06284        | 00000/0000                   | 2-20021/1670                | 03/15/76         | 20                  | 5822            | 40.6         | 133.0        | GGG                                |                     |                      | 177                   | 35                   |
| 05111E 5830N                            | 2533-06585        | 00000/0000                   | 2-20028/0911                | 07/08/76         | 80                  | 7426            | 49.7         | 142.5        | GGGG                               |                     |                      | 184                   | 19                   |
| 05111E 4022N                            | 2725-06232        | 00000/0000                   | 2-20038/1504                | 01/16/77         | 70                  | 103             | 20.4         | 144.8        | GGGG                               |                     |                      | 178                   | 32                   |
| 05111E 3557N                            | 2526-06254        | 00000/0000                   | 2-20028/0446                | 07/01/76         | 30                  | 7328            | 58.6         | 104.9        | GGGG                               |                     |                      | 177                   | 35                   |
| 05110E 5833N                            | 2551-06582        | 00000/0000                   | 2-20030/0141                | 07/26/76         | 90                  | 7677            | 46.6         | 143.5        | FFGG                               |                     |                      | 184                   | 19                   |
| 05110E 4014N                            | 2527-06300        | 00000/0000                   | 2-20028/0582                | 07/02/76         | 20                  | 7342            | 57.9         | 112.6        | GGGG                               |                     |                      | 178                   | 32                   |
| 05110E 4014N                            | 2671-06253        | 00000/0000                   | 2-20036/1216                | 11/23/76         | 40                  | 9350            | 23.6         | 150.3        | FGGG                               |                     |                      | 178                   | 32                   |
| 05110E 4010N                            | 2509-06303        | 00000/0000                   | 2-20027/0178                | 06/14/76         | 10                  | 7091            | 58.8         | 113.4        | FFGF                               |                     |                      | 178                   | 32                   |
| 05110E 3553N                            | 2616-06230        | 00000/0000                   | 2-20034/0134                | 09/29/76         | 30                  | 8583            | 42.1         | 136.9        | GGGG                               |                     |                      | 177                   | 35                   |
| 05109E 4013N                            | 2689-06244        | 00000/0000                   | 2-20037/0268                | 12/11/76         | 80                  | 9601            | 20.5         | 149.7        | GGGG                               |                     |                      | 178                   | 32                   |
| 05108E 3554N                            | 2652-06215        | 00000/0000                   | 2-20035/0527                | 11/04/76         | 0                   | 9085            | 31.7         | 146.4        | GGFG                               |                     |                      | 177                   | 35                   |
| 05108E 0837N                            | 2377-06090        | 00000/0000                   | 2-20020/0862                | 02/03/76         | 20                  | 5250            | 03.0         | 122.7        | FGGG                               |                     |                      | 172                   | 54                   |
| 05107E 5826N                            | 2515-06593        | 00000/0000                   | 2-20027/0161                | 06/20/76         | 90                  | 7175            | 31.0         | 143.2        | GGGG                               |                     |                      | 184                   | 19                   |
| 05107E 4012N                            | 2653-06261        | 00000/0000                   | 2-20036/0001                | 11/05/76         | 90                  | 9099            | 28.2         | 149.0        | GGGG                               |                     |                      | 178                   | 32                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

Q2144 APR 28, 177

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL No./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05107E                                  | 4011N             | 2635-06265                   | 00000/0000                 | 2-20034/1077     | 10/18/76            | 90              | 8848         | 33.7         | 145.8                              | GGGG                |                      | 178                   | 32                   |
| 05103E                                  | 5559N             | 2460-06555                   | 00000/0000                 | 2-20024/1162     | 04/26/76            | 20              | 6408         | 43.6         | 146.4                              | GFGF                |                      | 183                   | 21                   |
| 05103E                                  | 4728N             | 2727-06324                   | 00000/0000                 | 2-20035/1452     | 01/18/77            | 40              | 131          | 15.7         | 147.7                              | FPPP                |                      | 180                   | 27                   |
| 05101E                                  | 472E              | 2691-06340                   | 00000/0000                 | 2-20037/0775     | 12/13/76            | 50              | 9629         | 14.8         | 152.6                              | FGGG                |                      | 180                   | 27                   |
| 05101E                                  | 3025N             | 2453-06232                   | 00000/0000                 | 2-20023/0435     | 04/19/76            | 60              | 6310         | 54.0         | 115.1                              | GGGG                |                      | 176                   | 39                   |
| 05059E                                  | 5556N             | 2442-06562                   | 00000/0000                 | 2-20022/1622     | 04/08/76            | 80              | 6157         | 37.4         | 147.8                              | GQFG                |                      | 183                   | 21                   |
| 05059E                                  | 5552N             | 2478-06552                   | 00000/0000                 | 2-20025/0446     | 05/14/76            | 40              | 6659         | 48.6         | 144.2                              | GGGG                |                      | 183                   | 21                   |
| 05059E                                  | 4718N             | 2673-06345                   | 00000/0000                 | 2-20036/1286     | 11/25/76            | 10              | 9378         | 17.7         | 153.5                              | GQFF                |                      | 180                   | 27                   |
| 05059E                                  | 3024N             | 2579-06200                   | 00000/0000                 | 2-20032/0359     | 08/23/76            | 10              | 8067         | 52.7         | 113.2                              | GGGG                |                      | 176                   | 39                   |
| 05059E                                  | 3018N             | 2471-06230                   | 00000/0000                 | 2-20024/1694     | 05/07/76            | 0               | 6561         | 57.6         | 107.1                              | GQFG                |                      | 174                   | 39                   |
| 05057E                                  | 5312N             | 2459-06510                   | 00000/0000                 | 2-20024/0512     | 04/25/76            | 10              | 6394         | 45.1         | 143.2                              | GFGG                |                      | 182                   | 23                   |
| 05057E                                  | 5021N             | 2458-06461                   | 00000/0000                 | 2-20024/0613     | 04/24/76            | 0               | 6380         | 46.6         | 140.0                              | GGGG                |                      | 181                   | 25                   |
| 05057E                                  | 3016N             | 2525-06213                   | 00000/0000                 | 2-20024/0499     | 06/30/76            | 0               | 7314         | 58.5         | 94.6                               | GFFG                |                      | 176                   | 39                   |
| 05057E                                  | 3013N             | 2507-06220                   | 00000/0000                 | 2-20026/1507     | 06/12/76            | 0               | 7063         | 59.5         | 95.2                               | GGGG                |                      | 176                   | 39                   |
| 05056E                                  | 6009N             | 2462-07060                   | 00000/0000                 | 2-20024/0785     | 04/28/76            | 10              | 6436         | 41.4         | 151.3                              | GGGG                |                      | 185                   | 18                   |
| 05056E                                  | 3019N             | 2597-06193                   | 00000/0000                 | 2-20032/1074     | 09/10/76            | 0               | 8318         | 49.6         | 122.3                              | GGGG                |                      | 176                   | 39                   |
| 05056E                                  | 3019N             | 2687-06162                   | 00000/0000                 | 2-20037/0558     | 12/09/76            | 10              | 9573         | 28.1         | 145.3                              | GGGG                |                      | 176                   | 39                   |
| 05055E                                  | 5556N             | 2586-06523                   | 00000/0000                 | 2-20032/0395     | 08/30/76            | 20              | 8165         | 38.7         | 146.3                              | GGGG                |                      | 183                   | 21                   |
| 05055E                                  | 5554N             | 2604-06520                   | 00000/0000                 | 2-20034/0283     | 09/17/76            | 30              | 8416         | 32.7         | 150.3                              | GGGG                |                      | 183                   | 21                   |
| 05055E                                  | 5552N             | 2568-06530                   | 00000/0000                 | 2-20030/1190     | 08/12/76            | 90              | 7914         | 44.1         | 142.4                              | GFGG                |                      | 183                   | 21                   |
| 05055E                                  | 5540N             | 2424-06570                   | 00000/0000                 | 2-20022/0296     | 03/21/76            | 10              | 5906         | 30.5         | 148.8                              | FQFG                |                      | 183                   | 21                   |
| 05054E                                  | 6009N             | 2444-07063                   | 00000/0000                 | 2-20022/1825     | 04/10/76            | 100             | 6185         | 35.2         | 152.2                              | GGGG                |                      | 185                   | 18                   |
| 05054E                                  | 5020N             | 2440-06464                   | 00000/0000                 | 2-20022/1425     | 04/06/76            | 0               | 6129         | 40.4         | 142.4                              | GGGG                |                      | 181                   | 25                   |
| 05053E                                  | 5019N             | 2584-06424                   | 00000/0000                 | 2-20032/0154     | 08/28/76            | 10              | 8137         | 42.9         | 139.8                              | GGGG                |                      | 181                   | 25                   |
| 05053E                                  | 5014N             | 2476-06454                   | 00000/0000                 | 2-20025/0178     | 05/12/76            | 10              | 6631         | 51.5         | 136.8                              | GGGG                |                      | 181                   | 25                   |
| 05053E                                  | 3015N             | 2399-06251                   | 00000/0000                 | 2-20021/0608     | 02/25/76            | 10              | 5557         | 37.4         | 133.1                              | GGGG                |                      | 176                   | 39                   |
| 05053E                                  | 3014N             | 2669-06170                   | 00000/0000                 | 2-20036/1126     | 11/21/76            | 0               | 9322         | 31.5         | 145.1                              | GGGF                |                      | 174                   | 39                   |
| 05052E                                  | 5546N             | 2496-06550                   | 00000/0000                 | 2-20026/0121     | 06/01/76            | 10              | 6910         | 51.7         | 141.4                              | GGGG                |                      | 183                   | 21                   |
| 05052E                                  | 5018N             | 2728-06373                   | 00000/0000                 | 2-20039/0144     | 01/19/77            | 30              | 145          | 13.8         | 148.9                              | GQGF                |                      | 181                   | 25                   |
| 05051E                                  | 6008N             | 2588-07024                   | 00000/0000                 | 2-20032/0504     | 09/01/76            | 10              | 8193         | 35.2         | 151.3                              | FQGG                |                      | 185                   | 18                   |
| 05051E                                  | 5546N             | 2676-06492                   | 00000/0000                 | 2-20036/1576     | 11/28/76            | 10              | 9420         | 10.3         | 157.6                              | FQF                 |                      | 183                   | 21                   |
| 05051E                                  | 5544N             | 2640-06505                   | 00000/0000                 | 2-20034/0970     | 10/23/76            | 80              | 8918         | 20.2         | 156.5                              | GGGG                |                      | 183                   | 21                   |
| 05051E                                  | 5306N             | 2567-06481                   | 00000/0000                 | 2-20030/1073     | 05/11/76            | 50              | 7900         | 46.0         | 138.8                              | GGGG                |                      | 182                   | 23                   |
| 05051E                                  | 5016N             | 2566-06431                   | 00000/0000                 | 2-20030/1057     | 08/10/76            | 20              | 7886         | 47.8         | 134.9                              | GGGG                |                      | 181                   | 25                   |
| 05051E                                  | 5016N             | 2692-06385                   | 00000/0000                 | 2-20037/0817     | 12/14/76            | 60              | 9643         | 12.4         | 153.8                              | GFFG                |                      | 181                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NSN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05051E 3010N                            | 2633-06182        | 00000/0000                   | 2-20034/0860                | 10/16/76         | 10                  | 8820            | 40.9         | 137.9        | GGGG                               |                     |                      | 176                   | 39                   |
| 05050E 5310N                            | 2585-06473        | 00000/0000                   | 2-20032/0175                | 08/29/76         | 30                  | 8131            | 40.9         | 143.1        | GGGG                               |                     |                      | 182                   | 23                   |
| 05050E 5302N                            | 2477-06503        | 00000/0000                   | 2-20025/0310                | 05/13/76         | 10                  | 6645            | 50.1         | 140.5        | GGGG                               |                     |                      | 182                   | 23                   |
| 05050E 5009N                            | 2494-06451        | 00000/0000                   | 2-20026/0430                | 05/30/76         | 50                  | 6832            | 54.6         | 133.2        | GGGF                               |                     |                      | 181                   | 25                   |
| 05049E 5545N                            | 2622-06513        | 00000/0000                   | 2-20034/0526                | 10/05/76         | 90                  | 8667            | 26.5         | 153.8        | GGGG                               |                     |                      | 183                   | 21                   |
| 05049E 5540N                            | 2514-06543        | 00000/0000                   | 2-20026/1880                | 06/19/76         | 70                  | 7161            | 52.6         | 139.0        | GGGG                               |                     |                      | 183                   | 21                   |
| 05049E 5017N                            | 2602-06421        | 00000/0000                   | 2-20032/1350                | 09/15/76         | 0                   | 8388            | 37.3         | 144.8        | GGGG                               |                     |                      | 181                   | 25                   |
| 05049E 4312N                            | 2708-06285        | 00000/0000                   | 2-20038/0405                | 12/30/76         | 90                  | 9866            | 17.2         | 148.8        | FFFF                               |                     |                      | 173                   | 30                   |
| 05048E 5545N                            | 2532-06540        | 00000/0000                   | 2-20028/0856                | 07/07/76         | 100                 | 7412            | 51.4         | 138.3        | GGGG                               |                     |                      | 183                   | 21                   |
| 05048E 5542N                            | 2658-06501        | 00000/0000                   | 2-20036/0251                | 11/10/76         | 30                  | 9169            | 14.6         | 157.7        | GGGG                               |                     |                      | 183                   | 21                   |
| 05048E 3443N                            | 2580-06243        | 00000/0000                   | 2-20030/1824                | 08/24/76         | 0                   | 8081            | 51.4         | 119.6        | FGGG                               |                     |                      | 177                   | 36                   |
| 05048E 0711N                            | 2377-06032        | 00000/0000                   | 2-20020/0863                | 02/03/76         | 20                  | 5250            | 43.6         | 121.4        | FGGG                               |                     |                      | 172                   | 55                   |
| 05047E 6006N                            | 2570-07031        | 00000/0000                   | 2-20030/1246                | 08/14/76         | 30                  | 7942            | 40.8         | 148.1        | FGG                                |                     |                      | 185                   | 18                   |
| 05047E 6000N                            | 2426-07071        | 00000/0000                   | 2-20022/0453                | 03/23/76         | 10                  | 5934            | 28.2         | 152.6        | G GG                               |                     |                      | 185                   | 18                   |
| 05047E 5304N                            | 2603-06471        | 00000/0000                   | 2-20032/0877                | 09/16/76         | 0                   | 8402            | 35.1         | 147.6        | GGFG                               |                     |                      | 182                   | 23                   |
| 05047E 5009N                            | 2548-06435        | 00000/0000                   | 2-20023/1621                | 07/23/76         | 50                  | 7635            | 51.8         | 131.2        | GGGG                               |                     |                      | 181                   | 25                   |
| 05047E 3857N                            | 2455-06322        | 00000/0000                   | 2-20024/0251                | 04/21/76         | 30                  | 6338            | 51.6         | 126.4        | FGGG                               |                     |                      | 178                   | 33                   |
| 05047E 3431N                            | 2490-06270        | 00000/0000                   | 2-20026/0169                | 05/26/76         | 0                   | 6826            | 59.2         | 107.4        | GGGG                               |                     |                      | 177                   | 36                   |
| 05046E 5959N                            | 2480-07054        | 00000/0000                   | 2-20025/0483                | 05/16/76         | 90                  | 6687            | 46.3         | 149.6        | GGGG                               |                     |                      | 185                   | 18                   |
| 05046E 5257N                            | 2495-06501        | 00000/0000                   | 2-20026/0501                | 05/31/76         | 20                  | 6896            | 53.2         | 137.3        | GGGG                               |                     |                      | 182                   | 23                   |
| 05046E 5257N                            | 2639-06460        | 00000/0000                   | 2-20034/1011                | 10/22/76         | 10                  | 8904            | 22.8         | 154.5        | GGGG                               |                     |                      | 182                   | 23                   |
| 05046E 4310N                            | 2670-06294        | 00000/0000                   | 2-20037/0698                | 12/12/76         | 90                  | 9615            | 18.1         | 150.9        | GGGG                               |                     |                      | 179                   | 30                   |
| 05046E 3855N                            | 2437-06325        | 00000/0000                   | 2-20022/1216                | 04/03/76         | 10                  | 6087            | 45.8         | 131.2        | GGGG                               |                     |                      | 178                   | 33                   |
| 05046E 3429N                            | 2508-06263        | 00000/0000                   | 2-20026/1451                | 06/13/76         | 0                   | 7077            | 59.5         | 103.0        | GGGG                               |                     |                      | 177                   | 36                   |
| 05045E 5259N                            | 2549-06434        | 00000/0000                   | 2-20030/0283                | 07/24/76         | 20                  | 7649            | 50.2         | 135.4        | GGGG                               |                     |                      | 182                   | 23                   |
| 05045E 5003N                            | 2512-06445        | 00000/0000                   | 2-20026/1776                | 06/17/76         | 10                  | 7133            | 55.5         | 130.2        | GGGG                               |                     |                      | 181                   | 25                   |
| 05045E 3435N                            | 2418-06290        | 00000/0000                   | 2-20021/1671                | 03/15/76         | 30                  | 5822            | 41.3         | 131.7        | GGGG                               |                     |                      | 177                   | 36                   |
| 05045E 3421N                            | 2526-06260        | 00000/0000                   | 2-20028/0447                | 07/01/76         | 0                   | 7328            | 58.6         | 102.3        | GGGG                               |                     |                      | 177                   | 36                   |
| 05044E 5257N                            | 2531-06491        | 00000/0000                   | 2-20028/0823                | 07/06/76         | 90                  | 7398            | 53.0         | 134.0        | GGGG                               |                     |                      | 182                   | 23                   |
| 05044E 3854N                            | 2563-06293        | 00000/0000                   | 2-20030/0963                | 08/07/76         | 20                  | 7844            | 53.3         | 118.4        | FFFF                               |                     |                      | 178                   | 33                   |
| 05043E 5954N                            | 2498-07051        | 00000/0000                   | 2-20026/0683                | 06/03/76         | 10                  | 6938            | 49.3         | 147.3        | GGGG                               |                     |                      | 185                   | 18                   |
| 05043E 5257N                            | 2621-06463        | 00000/0000                   | 2-20034/0317                | 10/04/76         | 90                  | 8653            | 29.0         | 151.5        | GGGG                               |                     |                      | 182                   | 23                   |
| 05043E 3433N                            | 2616-06233        | 00000/0000                   | 2-20034/0135                | 09/29/76         | 0                   | 8583            | 43.0         | 135.5        | GGG                                |                     |                      | 177                   | 36                   |
| 05042E 5254N                            | 2513-06494        | 00000/0000                   | 2-20026/1828                | 06/18/76         | 10                  | 7147            | 54.1         | 134.7        | GFGG                               |                     |                      | 182                   | 23                   |
| 05042E 5252N                            | 2657-06452        | 00000/0000                   | 2-20036/0211                | 11/09/76         | 100                 | 9155            | 17.2         | 156.1        | GGGG                               |                     |                      | 182                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|---------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 05042E                      | 3849N             | 2671-06255            | 00000/0000          | 2-20036/1217     | 11/23/76            | 40              | 9350         | 24.7         | 149.6                 | GGGG                |                      | 178                   | 33                   |
| 05042E                      | 3846N             | 2491-06313            | 00000/0000          | 2-20026/0231     | 05/27/76            | 90              | 6840         | 58.5         | 114.8                 | GGGG                |                      | 178                   | 33                   |
| 05042E                      | 3429N             | 2652-06221            | 00000/0000          | 2-20035/0528     | 11/04/76            | 0               | 9085         | 32.7         | 145.6                 | GGGG                |                      | 177                   | 36                   |
| 05042E                      | 1254N             | 2378-06133            | 00000/0000          | 2-20020/0504     | 02/04/76            | 20              | 5264         | 41.3         | 126.0                 | FFGG                |                      | 173                   | 51                   |
| 05041E                      | 3845N             | 2509-06310            | 00000/0000          | 2-20027/0179     | 06/14/76            | 10              | 7091         | 59.1         | 110.7                 | FFGG                |                      | 178                   | 33                   |
| 05039E                      | 5951N             | 2516-07044            | 00000/0000          | 2-20027/0056     | 06/21/76            | 70              | 7189         | 50.1         | 145.3                 | GGGG                |                      | 183                   | 18                   |
| 05039E                      | 3850N             | 2617-06275            | 00000/0000          | 2-20034/0157     | 09/30/76            | 10              | 8597         | 40.1         | 139.6                 | GGGG                |                      | 178                   | 33                   |
| 05039E                      | 3847N             | 2653-06264            | 00000/0000          | 2-20036/0002     | 11/05/76            | 80              | 9099         | 29.3         | 148.2                 | GGGG                |                      | 178                   | 33                   |
| 05038E                      | 5954N             | 2552-07034            | 00000/0000          | 2-20030/0271     | 07/27/76            | 70              | 7691         | 45.5         | 145.5                 | GG F                |                      | 183                   | 18                   |
| 05037E                      | 5951N             | 2634-07041            | 00000/0000          | 2-20028/1004     | 07/09/76            | 90              | 7440         | 48.7         | 144.6                 | FGFG                |                      | 185                   | 18                   |
| 05037E                      | 2859N             | 2453-06235            | 00000/0000          | 2-20023/0436     | 04/19/76            | 30              | 6310         | 54.4         | 113.0                 | FGFG                |                      | 176                   | 40                   |
| 05036E                      | 2857N             | 2579-06202            | 00000/0000          | 2-20032/0360     | 08/23/76            | 10              | 8067         | 53.0         | 111.1                 | GGGG                |                      | 176                   | 40                   |
| 05035E                      | 2852N             | 2471-06232            | 00000/0000          | 2-20024/1695     | 05/07/76            | 10              | 6561         | 57.8         | 104.7                 | FFFG                |                      | 176                   | 40                   |
| 05033E                      | 2848N             | 2507-06223            | 00000/0000          | 2-20026/1508     | 06/12/76            | 0               | 7063         | 59.3         | 92.6                  | GGGG                |                      | 176                   | 40                   |
| 05032E                      | 2853N             | 2597-06200            | 00000/0000          | 2-20032/1075     | 09/10/76            | 0               | 8318         | 50.1         | 120.6                 | GFFF                |                      | 176                   | 40                   |
| 05032E                      | 2853N             | 2687-06164            | 00000/0000          | 2-20037/0559     | 12/09/76            | 50              | 9573         | 29.1         | 144.6                 | GGGG                |                      | 176                   | 40                   |
| 05029E                      | 2848N             | 2669-06173            | 00000/0000          | 2-20036/1127     | 11/21/76            | 0               | 9322         | 32.5         | 144.3                 | FGFF                |                      | 176                   | 40                   |
| 05028E                      | 5724N             | 2461-07011            | 00000/0000          | 2-20024/0652     | 04/27/76            | 70              | 6422         | 43.0         | 143.0                 | GGGG                |                      | 184                   | 20                   |
| 05027E                      | 4603N             | 2727-06330            | 00000/0000          | 2-20038/1453     | 01/18/77            | 10              | 131          | 16.7         | 147.0                 | FGGP                |                      | 180                   | 28                   |
| 05027E                      | 4600N             | 2691-06343            | 00000/0000          | 2-20037/0776     | 12/13/76            | 50              | 9629         | 15.9         | 152.0                 | FGFF                |                      | 180                   | 28                   |
| 05026E                      | 2844N             | 2633-06155            | 00000/0000          | 2-20034/0861     | 10/16/76            | 10              | 8820         | 41.8         | 136.7                 | GGGF                |                      | 176                   | 40                   |
| 05026E                      | 2837N             | 2381-06260            | 00000/0000          | 2-20020/1088     | 02/07/76            | 10              | 5306         | 33.4         | 136.6                 | GFGG                |                      | 176                   | 40                   |
| 05024E                      | 4553N             | 2673-06351            | 00000/0000          | 2-20036/1287     | 11/25/76            | 20              | 9378         | 18.8         | 152.9                 | GGGF                |                      | 180                   | 28                   |
| 05024E                      | 3312N             | 2472-06275            | 00000/0000          | 2-20024/1859     | 05/08/76            | 30              | 6575         | 57.3         | 111.6                 | GGGG                |                      | 177                   | 37                   |
| 05022E                      | 3317N             | 2580-06245            | 00000/0000          | 2-20030/1825     | 08/24/76            | 0               | 8081         | 51.8         | 117.7                 | GGGG                |                      | 177                   | 37                   |
| 05021E                      | 5720N             | 2587-06575            | 00000/0000          | 2-20032/0424     | 08/31/76            | 30              | 8179         | 37.5         | 148.0                 | GGGG                |                      | 184                   | 20                   |
| 05020E                      | 5718N             | 2569-06582            | 00000/0000          | 2-20030/1152     | 08/13/76            | 90              | 7928         | 42.9         | 144.4                 | GGGG                |                      | 184                   | 20                   |
| 05020E                      | 3304N             | 2508-06270            | 00000/0000          | 2-20026/1452     | 06/13/76            | 0               | 7077         | 59.6         | 100.3                 | GGGG                |                      | 177                   | 37                   |
| 05019E                      | 5715N             | 2605-06572            | 00000/0000          | 2-20032/1476     | 09/18/76            | 90              | 8430         | 31.4         | 151.8                 | FGGG                |                      | 184                   | 20                   |
| 05019E                      | 4856N             | 2458-06463            | 00000/0000          | 2-20024/0614     | 04/24/76            | 0               | 6380         | 47.4         | 138.3                 | GGGG                |                      | 181                   | 26                   |
| 05019E                      | 3731N             | 2455-06325            | 00000/0000          | 2-20024/0252     | 04/21/76            | 20              | 6338         | 52.2         | 124.5                 | GGGG                |                      | 178                   | 34                   |
| 05019E                      | 3309N             | 2418-06293            | 00000/0000          | 2-20021/1672     | 03/15/76            | 20              | 5822         | 42.1         | 130.4                 | GGGG                |                      | 177                   | 37                   |
| 05019E                      | 3306N             | 2526-06263            | 00000/0000          | 2-20028/0448     | 07/01/76            | 0               | 7328         | 58.6         | 99.7                  | GGGG                |                      | 177                   | 37                   |
| 05017E                      | 5707N             | 2533-06592            | 00000/0000          | 2-20028/0912     | 07/08/76            | 90              | 7426         | 50.5         | 140.4                 | GGGG                |                      | 184                   | 20                   |
| 05017E                      | 3729N             | 2437-06332            | 00000/0000          | 2-20022/1217     | 04/03/76            | 40              | 6087         | 46.5         | 129.7                 | GGGG                |                      | 178                   | 34                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS-BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05017E                                  | 3307N             | 2616-06235                   | 00000/0000                  | 2-20034/0136     | 09/29/76            | 0               | 8583         | 43.8         | 134.1                              | GGGG                |                      | 177                   | 37                   |
| 05016E                                  | 5710N             | 2551-06525                   | 00000/0000                  | 2-20030/0142     | 07/26/76            | 70              | 7677         | 47.4         | 141.5                              | GGGG                |                      | 184                   | 20                   |
| 05016E                                  | 5710N             | 2623-06564                   | 00000/0000                  | 2-20034/0393     | 10/06/76            | 90              | 8681         | 25.0         | 155.1                              | GGGG                |                      | 184                   | 20                   |
| 05016E                                  | 3729N             | 2563-06295                   | 00000/0000                  | 2-20030/0964     | 08/07/76            | 10              | 7844         | 53.7         | 116.3                              | FFFF                |                      | 178                   | 34                   |
| 05016E                                  | 3303N             | 2652-06224                   | 00000/0000                  | 2-20035/0529     | 11/04/76            | 20              | 9085         | 33.7         | 144.7                              | GGGG                |                      | 177                   | 37                   |
| 05015E                                  | 5434N             | 2460-06562                   | 00000/0000                  | 2-20024/1163     | 04/26/76            | 10              | 6408         | 44.6         | 144.8                              | GGGG                |                      | 183                   | 22                   |
| 05014E                                  | 5147N             | 2459-06512                   | 00000/0000                  | 2-20024/0513     | 04/25/76            | 10              | 6394         | 46.0         | 141.6                              | GFGG                |                      | 182                   | 24                   |
| 05014E                                  | 4854N             | 2584-06431                   | 00000/0000                  | 2-20032/0155     | 08/28/76            | 10              | 8137         | 43.8         | 138.3                              | GGGG                |                      | 181                   | 26                   |
| 05014E                                  | 3721N             | 2491-06315                   | 00000/0000                  | 2-20026/0232     | 05/27/76            | 90              | 6840         | 58.8         | 112.2                              | GGGG                |                      | 178                   | 34                   |
| 05013E                                  | 5703N             | 2515-06595                   | 00000/0000                  | 2-20027/0162     | 06/20/76            | 70              | 7175         | 51.8         | 141.0                              | GGGG                |                      | 184                   | 20                   |
| 05013E                                  | 3724N             | 2671-06262                   | 00000/0000                  | 2-20036/1218     | 11/23/76            | 20              | 9350         | 25.8         | 148.9                              | GGGG                |                      | 178                   | 34                   |
| 05013E                                  | 3719N             | 2509-06312                   | 00000/0000                  | 2-20027/0180     | 06/14/76            | 50              | 7091         | 59.3         | 108.1                              | GGGG                |                      | 174                   | 34                   |
| 05012E                                  | 5432N             | 2442-06566                   | 00000/0000                  | 2-20022/1482     | 04/08/76            | 20              | 6157         | 38.4         | 146.4                              | GGGG                |                      | 183                   | 22                   |
| 05012E                                  | 4852N             | 2692-06392                   | 00000/0000                  | 2-20037/0818     | 12/14/76            | 70              | 9643         | 13.5         | 153.2                              | GGGG                |                      | 181                   | 26                   |
| 05011E                                  | 5427N             | 2478-06555                   | 00000/0000                  | 2-20025/0447     | 05/14/76            | 20              | 6659         | 49.5         | 142.3                              | GGGG                |                      | 183                   | 22                   |
| 05011E                                  | 4852N             | 2602-06424                   | 00000/0000                  | 2-20032/1324     | 09/15/76            | 0               | 8388         | 38.3         | 143.5                              | GGG                 |                      | 181                   | 26                   |
| 05011E                                  | 3722N             | 2653-06270                   | 00000/0000                  | 2-20036/0003     | 11/05/76            | 30              | 9099         | 30.3         | 147.4                              | GGGG                |                      | 178                   | 34                   |
| 05010E                                  | 3725N             | 2617-06282                   | 00000/0000                  | 2-20034/0158     | 09/30/76            | 10              | 8597         | 41.0         | 138.4                              | GGGG                |                      | 178                   | 34                   |
| 05009E                                  | 5144N             | 2711-06433                   | 00000/0000                  | 2-20038/0475     | 01/02/77            | 0               | 9908         | 10.8         | 152.1                              | GGGG                |                      | 182                   | 24                   |
| 05008E                                  | 5145N             | 2585-06480                   | 00000/0000                  | 2-20032/0176     | 08/29/76            | 0               | 8151         | 41.8         | 141.6                              | GGGG                |                      | 182                   | 24                   |
| 05008E                                  | 5143N             | 2441-06520                   | 00000/0000                  | 2-20022/1416     | 04/07/76            | 10              | 6143         | 39.9         | 143.7                              | FGGG                |                      | 182                   | 24                   |
| 05007E                                  | 5430N             | 2604-06522                   | 00000/0000                  | 2-20034/0284     | 09/17/76            | 30              | 8416         | 33.8         | 149.1                              | GGGG                |                      | 183                   | 22                   |
| 05007E                                  | 5428N             | 2568-06532                   | 00000/0000                  | 2-20030/1191     | 08/12/76            | 90              | 7914         | 45.0         | 140.7                              | GFGG                |                      | 183                   | 22                   |
| 05007E                                  | 5424N             | 2424-06572                   | 00000/0000                  | 2-20027/0297     | 03/21/76            | 10              | 5906         | 31.4         | 147.6                              | FFGG                |                      | 183                   | 22                   |
| 05007E                                  | 5142N             | 2729-06425                   | 00000/0000                  | 2-20038/1652     | 01/20/77            | 0               | 159          | 12.9         | 149.4                              | GF                  |                      | 182                   | 24                   |
| 05006E                                  | 4839N             | 2512-06451                   | 00000/0000                  | 2-20026/1777     | 06/17/76            | 10              | 7133         | 56.1         | 127.9                              | GGGG                |                      | 181                   | 26                   |
| 05005E                                  | 5422N             | 2496-06552                   | 00000/0000                  | 2-20026/0122     | 06/01/76            | 10              | 6910         | 52.5         | 139.3                              | GGFG                |                      | 183                   | 22                   |
| 05004E                                  | 5423N             | 2676-06435                   | 00000/0000                  | 2-20036/1577     | 11/28/76            | 20              | 9420         | 11.4         | 156.9                              | GGF                 |                      | 183                   | 22                   |
| 05004E                                  | 5140N             | 2603-06473                   | 00000/0000                  | 2-20032/0878     | 09/16/76            | 0               | 8402         | 36.1         | 146.3                              | GGGG                |                      | 182                   | 24                   |
| 05003E                                  | 5211N             | 2640-06511                   | 00000/0000                  | 2-20034/0971     | 10/23/76            | 10              | 8918         | 21.3         | 155.5                              | GGGG                |                      | 183                   | 22                   |
| 05003E                                  | 5133N             | 2639-06462                   | 00000/0000                  | 2-20034/1012     | 10/22/76            | 10              | 8904         | 23.9         | 153.6                              | GGGG                |                      | 182                   | 24                   |
| 05003E                                  | 1426S             | 2392-05580                   | 00000/0000                  | 2-20020/1675     | 02/18/76            | 80              | 5459         | 47.3         | 92.0                               | GGGG                |                      | 169                   | 70                   |
| 05002E                                  | 5417N             | 2514-06550                   | 00000/0000                  | 2-20026/1881     | 06/19/76            | 50              | 7161         | 53.4         | 136.8                              | GGGG                |                      | 183                   | 22                   |
| 05002E                                  | 5135N             | 2549-06490                   | 00000/0000                  | 2-20030/0284     | 07/24/76            | 70              | 7649         | 50.9         | 133.4                              | GGGG                |                      | 182                   | 24                   |
| 05002E                                  | 5130N             | 2531-06493                   | 00000/0000                  | 2-20028/0824     | 07/06/76            | 60              | 7398         | 53.7         | 131.8                              | GGGG                |                      | 182                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | RBV                                     |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 05001E                      | 5421N             | 2532-06543                              | 00000/0000       | 2-20028/0857        | 07/07/76        | 90           | 7412         | 52.1                  | 136.2               | GGGG                 |                       |                      |
| 05001E                      | 5421N             | 2622-06515                              | 00000/0000       | 2-20034/0527        | 10/05/76        | 80           | 8667         | 27.5                  | 152.8               | GGGG                 | 183                   | 22                   |
| 05001E                      | 5419N             | 2658-06503                              | 00000/0000       | 2-20036/0252        | 11/10/76        | 60           | 9169         | 15.8                  | 156.9               | GGGG                 | 183                   | 22                   |
| 05000E                      | 5132N             | 2621-06470                              | 00000/0000       | 2-20034/0318        | 10/04/76        | 80           | 8653         | 30.0                  | 150.5               | GGGG                 | 182                   | 24                   |
| 05000E                      | 5130N             | 2513-06500                              | 00000/0000       | 2-20026/1829        | 06/18/76        | 10           | 7147         | 54.8                  | 132.5               | GGGG                 | 182                   | 24                   |
| 05000E                      | 5128N             | 2657-06454                              | 00000/0000       | 2-20036/0212        | 11/09/76        | 90           | 9155         | 18.3                  | 155.3               | GGGG                 | 182                   | 24                   |
| 04959E                      | 3148N             | 2472-06281                              | 00000/0000       | 2-20025/0030        | 05/08/76        | 10           | 6575         | 57.6                  | 109.2               | G                    |                       |                      |
| 04957E                      | 3151N             | 2580-06252                              | 00000/0000       | 2-20030/1826        | 08/24/76        | 0            | 8081         | 52.2                  | 115.7               | GGGG                 | 177                   | 38                   |
| 04956E                      | 5846N             | 2462-07063                              | 00000/0000       | 2-20024/0786        | 04/28/76        | 70           | 6436         | 42.3                  | 149.6               | GGGG                 | 177                   | 38                   |
| 04955E                      | 5846N             | 2444-07070                              | 00000/0000       | 2-20022/1826        | 04/10/76        | 60           | 6185         | 36.2                  | 150.7               | GGGG                 | 185                   | 19                   |
| 04955E                      | 3140N             | 2526-06265                              | 00000/0000       | 2-20028/0449        | 07/01/76        | 0            | 7328         | 58.6                  | 97.2                | GGGG                 | 185                   | 19                   |
| 04955E                      | 3138N             | 2508-06272                              | 00000/0000       | 2-20026/1453        | 06/13/76        | 0            | 7077         | 59.5                  | 97.7                | GGGG                 | 177                   | 38                   |
| 04954E                      | 3143N             | 2418-06295                              | 00000/0000       | 2-20021/1673        | 03/15/76        | 10           | 5822         | 42.8                  | 129.0               | GGGG                 | 177                   | 38                   |
| 04952E                      | 3141N             | 2616-06242                              | 00000/0000       | 2-20034/0137        | 09/29/76        | 0            | 8583         | 44.6                  | 132.8               | GGGG                 | 177                   | 38                   |
| 04951E                      | 3605N             | 2455-06331                              | 00000/0000       | 2-20024/0253        | 04/21/76        | 10           | 6338         | 52.8                  | 122.5               | GGGG                 | 177                   | 38                   |
| 04951E                      | 1545S             | 2500-05552                              | 00000/0000       | 2-20024/0843        | 06/05/76        | 50           | 6965         | 34.6                  | 47.2                | GGGG                 | 178                   | 35                   |
| 04950E                      | 4428N             | 2673-06354                              | 00000/0000       | 2-20036/1288        | 11/25/76        | 40           | 9378         | 19.9                  | 152.2               | GGGG                 | 169                   | 71                   |
| 04950E                      | 3607N             | 2581-06294                              | 00000/0000       | 2-20030/1851        | 08/25/76        | 10           | 8095         | 50.7                  | 121.9               | GGGG                 | 180                   | 29                   |
| 04950E                      | 3137N             | 2652-06230                              | 00000/0000       | 2-20035/0530        | 11/04/76        | 10           | 9085         | 34.7                  | 143.8               | GGGG                 | 178                   | 35                   |
| 04949E                      | 5842N             | 2570-07033                              | 00000/0000       | 2-20030/1247        | 08/14/76        | 90           | 7942         | 41.7                  | 146.3               | GGGG                 | 177                   | 38                   |
| 04949E                      | 5837N             | 2426-07073                              | 00000/0000       | 2-20022/0530        | 03/23/76        | 0            | 5934         | 29.2                  | 151.3               | GGGG                 | 185                   | 19                   |
| 04949E                      | 5836N             | 2480-07060                              | 00000/0000       | 2-20025/0484        | 05/16/76        | 50           | 6687         | 47.2                  | 147.7               | GGGG                 | 185                   | 19                   |
| 04949E                      | 4024N             | 2456-06374                              | 00000/0000       | 2-20024/0428        | 04/22/76        | 50           | 6352         | 51.3                  | 128.1               | GGGG                 | 185                   | 19                   |
| 04949E                      | 4021N             | 2474-06371                              | 00000/0000       | 2-20025/0218        | 05/10/76        | 90           | 6603         | 55.7                  | 122.6               | GGGG                 | 179                   | 32                   |
| 04948E                      | 7049N             | 2471-07541                              | 00000/0000       | 2-20024/1665        | 05/07/76        | 30           | 6562         | 35.7                  | 167.5               | GGGG                 | 179                   | 32                   |
| 04947E                      | 4022N             | 2435-06381                              | 00000/0000       | 2-20027/1356        | 04/04/76        | 10           | 6101         | 45.4                  | 132.5               | GGGG                 | 194                   | 10                   |
| 04947E                      | 4022N             | 2582-06341                              | 00000/0000       | 2-20032/0111        | 08/26/76        | 10           | 8109         | 48.7                  | 127.7               | FFFF                 | 179                   | 32                   |
| 04947E                      | 4021N             | 2564-06344                              | 00000/0000       | 2-20032/0210        | 08/08/76        | 0            | 7858         | 52.6                  | 120.9               | GGGG                 | 179                   | 32                   |
| 04947E                      | 4021N             | 2708-06294                              | 00000/0000       | 2-20038/0273        | 12/30/76        | 90           | 9866         | 19.3                  | 147.6               | GGGG                 | 179                   | 32                   |
| 04947E                      | 4016N             | 2420-06385                              | 00000/0000       | 2-20021/1728        | 03/17/76        | 90           | 5850         | 38.9                  | 136.2               | GGGG                 | 179                   | 32                   |
| 04946E                      | 4014N             | 2492-06364                              | 00000/0000       | 2-20026/0326        | 05/28/76        | 80           | 6854         | 58.2                  | 117.1               | GGGG                 | 179                   | 32                   |
| 04946E                      | 3557N             | 2545-06305                              | 00000/0000       | 2-20029/0118        | 07/20/76        | 30           | 7593         | 56.6                  | 108.0               | GGGG                 | 179                   | 32                   |
| 04946E                      | 3555N             | 2491-06322                              | 00000/0000       | 2-20026/0233        | 05/27/76        | 80           | 6840         | 59.1                  | 109.6               | GGGG                 | 178                   | 35                   |
| 04945E                      | 4022N             | 2726-06290                              | 00000/0000       | 2-20038/1508        | 01/17/77        | 60           | 117          | 20.5                  | 144.6               | GGGG                 | 179                   | 32                   |
| 04945E                      | 4020N             | 2690-06303                              | 00000/0000       | 2-20037/0476        | 12/12/76        | 20           | 9615         | 20.3                  | 149.7               | GGGG                 | 179                   | 32                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POSITION<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RSLI | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|--------------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                           | LAT               | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 04945E                         | 3554N             | 2509-06315            | 00000/0000           | 2-20027/0181     | 06/14/76            | 10              | 7091         | 59.4         | 105.5                 | GGGG                |                      | 178                   | 35                   |
| 04944E                         | 4015N             | 2546-06352            | 00000/0000           | 2-20029/0113     | 07/21/76            | 80              | 7607         | 55.7         | 115.4                 | GGG                 |                      | 179                   | 32                   |
| 04944E                         | 4014N             | 2672-06311            | 00000/0000           | 2-20036/1664     | 11/24/76            | 70              | 9364         | 23.4         | 150.3                 | GGGG                |                      | 179                   | 32                   |
| 04943E                         | 401N              | 2600-06334            | 00000/0000           | 2-20032/1211     | 09/13/76            | 30              | 8360         | 44.1         | 134.8                 | GGGG                |                      | 179                   | 32                   |
| 04943E                         | 4015N             | 2618-06331            | 00000/0000           | 2-20034/0206     | 10/01/76            | 10              | 8611         | 38.9         | 141.1                 | GFGF                |                      | 179                   | 32                   |
| 04943E                         | 4013N             | 2528-06355            | 00000/0000           | 2-20028/0537     | 07/03/76            | 20              | 7356         | 57.8         | 112.7                 | GGGG                |                      | 179                   | 32                   |
| 04943E                         | 4009N             | 2510-06362            | 00000/0000           | 2-20026/1531     | 06/15/76            | 20              | 7105         | 58.8         | 113.2                 | GGGG                |                      | 179                   | 32                   |
| 04943E                         | 3556N             | 2653-06273            | 00000/0000           | 2-20036/0004     | 11/05/76            | 0               | 9099         | 31.4         | 146.6                 | FGGG                |                      | 178                   | 35                   |
| 04942E                         | 5828N             | 2516-07051            | 00000/0000           | 2-20027/0057     | 06/21/76            | 30              | 7189         | 50.9         | 143.2                 | GGGG                |                      | 185                   | 19                   |
| 04942E                         | 4731N             | 2458-06470            | 00000/0000           | 2-20024/0615     | 04/24/76            | 0               | 6380         | 48.3         | 136.6                 | GGGG                |                      | 181                   | 27                   |
| 04942E                         | 4013N             | 2654-06315            | 00000/0000           | 2-20036/0031     | 11/06/76            | 90              | 9113         | 27.9         | 149.1                 | GGGG                |                      | 179                   | 32                   |
| 04942E                         | 1552S             | 2392-05583            | 00000/0000           | 2-20020/1676     | 02/18/76            | 80              | 5459         | 47.1         | 90.5                  | GGGG                |                      | 169                   | 71                   |
| 04941E                         | 5831N             | 2552-07041            | 00000/0000           | 2-20030/0272     | 07/27/76            | 80              | 7691         | 46.4         | 143.5                 | GG G                |                      | 185                   | 19                   |
| 04940E                         | 5828N             | 2534-07044            | 00000/0000           | 2-20028/1005     | 07/09/76            | 70              | 7440         | 49.6         | 142.5                 | FGGG                |                      | 185                   | 19                   |
| 04939E                         | 4011N             | 2636-06324            | 00000/0000           | 2-20034/0905     | 10/19/76            | 100             | 8862         | 33.3         | 146.0                 | FGGG                |                      | 179                   | 32                   |
| 04938E                         | 4729N             | 2534-06433            | 00000/0000           | 2-20032/0156     | 08/28/76            | 30              | 8137         | 44.6         | 136.7                 | GGGG                |                      | 181                   | 27                   |
| 04936E                         | 5559N             | 2461-07013            | 00000/0000           | 2-20024/0653     | 04/27/76            | 90              | 6422         | 43.9         | 146.4                 | GGGG                |                      | 184                   | 21                   |
| 04935E                         | 4727N             | 2602-06430            | 00000/0000           | 2-20032/1325     | 09/15/76            | 10              | 8388         | 39.2         | 142.3                 | FGGG                |                      | 181                   | 27                   |
| 04935E                         | 4727N             | 2692-06394            | 00000/0000           | 2-20037/0819     | 12/14/76            | 10              | 9643         | 14.6         | 152.5                 | FFFF                |                      | 181                   | 27                   |
| 04935E                         | 3026N             | 2454-06291            | 00000/0000           | 2-20024/0091     | 04/20/76            | 50              | 6374         | 54.3         | 114.8                 | GGGG                |                      | 177                   | 39                   |
| 04934E                         | 5022N             | 2459-06515            | 00000/0000           | 2-20024/0514     | 04/25/76            | 10              | 6394         | 46.9         | 139.9                 | GGGG                |                      | 182                   | 25                   |
| 04934E                         | 3020N             | 2472-06284            | 00000/0000           | 2-20025/0031     | 05/08/76            | 10              | 6575         | 57.8         | 106.8                 | GGGG                |                      | 177                   | 39                   |
| 04933E                         | 3025N             | 2580-06254            | 00000/0000           | 2-20030/1827     | 08/24/76            | 10              | 8081         | 52.6         | 113.7                 | GFGG                |                      | 177                   | 39                   |
| 04931E                         | 3012N             | 2508-06275            | 00000/0000           | 2-20026/1454     | 06/13/76            | 0               | 7077         | 59.4         | 95.1                  | FGGG                |                      | 177                   | 39                   |
| 04930E                         | 5556N             | 2587-06531            | 00000/0000           | 2-20032/0425     | 08/31/76            | 10              | 8179         | 38.4         | 146.5                 | GGGG                |                      | 184                   | 21                   |
| 04930E                         | 5554N             | 2569-06584            | 00000/0000           | 2-20030/1153     | 08/13/76            | 90              | 7928         | 43.8         | 142.7                 | GGGG                |                      | 184                   | 21                   |
| 04930E                         | 5310N             | 2460-06564            | 00000/0000           | 2-20024/1164     | 04/26/76            | 10              | 6408         | 45.5         | 143.1                 | GGGG                |                      | 183                   | 23                   |
| 04930E                         | 4714N             | 2512-06454            | 00000/0000           | 2-20024/1778     | 06/17/76            | 20              | 7133         | 56.7         | 125.5                 | GGGG                |                      | 181                   | 27                   |
| 04929E                         | 3015N             | 2526-06272            | 00000/0000           | 2-20028/0450     | 07/01/76            | 0               | 7328         | 58.5         | 94.7                  | GGGG                |                      | 177                   | 39                   |
| 04929E                         | 3017N             | 2418-06302            | 00000/0000           | 2-20021/1674     | 03/15/76            | 0               | 5822         | 43.5         | 127.7                 | GGGG                |                      | 177                   | 39                   |
| 04929E                         | 1711S             | 2500-05555            | 00000/0000           | 2-20026/0844     | 06/05/76            | 70              | 6965         | 33.5         | 46.7                  | GGGG                |                      | 169                   | 72                   |
| 04928E                         | 5551N             | 2605-06574            | 00000/0000           | 2-20032/1477     | 09/18/76            | 100             | 8430         | 32.4         | 150.5                 | FGGG                |                      | 184                   | 21                   |
| 04928E                         | 5018N             | 2441-06522            | 00000/0000           | 2-20022/1500     | 04/07/76            | 0               | 6143         | 40.8         | 142.2                 | GGGG                |                      | 182                   | 25                   |
| 04927E                         | 5309N             | 2442-06571            | 00000/0000           | 2-20022/1483     | 04/08/76            | 10              | 6157         | 39.3         | 145.0                 | GGGG                |                      | 183                   | 23                   |
| 04927E                         | 3015N             | 2616-05244            | 00000/0000           | 2-20034/0138     | 09/29/76            | 0               | 8583         | 45.3         | 131.4                 | GGGG                |                      | 177                   | 39                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 177

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04926E 6008N                            | 2463-07115        | 00000/0000                   | 2-20024/0923                | 04/29/76         | 60                  | 6450            | 41.7         | 151.2        | GGGG                               |                     |                      | 184                   | 18                   |
| 04926E 5544N                            | 2533-06594        | 00000/0000                   | 2-20028/0913                | 07/08/76         | 90                  | 7426            | 51.3         | 138.3        | FGGG                               |                     |                      | 184                   | 21                   |
| 04926E 5303N                            | 2478-06561        | 00000/0000                   | 2-20025/0448                | 05/14/76         | 30                  | 6659            | 50.3         | 140.4        | GGGF                               |                     |                      | 183                   | 23                   |
| 04926E 5546N                            | 2623-06571        | 00000/0000                   | 2-20034/0394                | 10/06/76         | 90                  | 8681            | 26.1         | 154.0        | GGGG                               |                     |                      | 184                   | 21                   |
| 04925E 5305N                            | 2694-06493        | 00000/0000                   | 2-20037/1068                | 12/16/76         | 80                  | 9671            | 10.0         | 154.9        | F                                  |                     |                      | 183                   | 23                   |
| 04925E 3439N                            | 2455-06334        | 00000/0000                   | 2-20024/0254                | 04/21/76         | 10                  | 6338            | 53.3         | 120.5        | GGGG                               |                     |                      | 173                   | 36                   |
| 04925E 3011N                            | 2652-06233        | 00000/0000                   | 2-20035/0531                | 11/04/76         | 0                   | 9085            | 35.7         | 142.9        | GGGG                               |                     |                      | 177                   | 39                   |
| 04923E 5540N                            | 2515-07002        | 00000/0000                   | 2-20027/0163                | 06/20/76         | 60                  | 7175            | 52.6         | 138.9        | GGGG                               |                     |                      | 184                   | 21                   |
| 04923E 3441N                            | 2581-06301        | 00000/0000                   | 2-20030/1852                | 08/25/76         | 0                   | 8095            | 51.2         | 120.0        | GGGG                               |                     |                      | 178                   | 36                   |
| 04922E 6005N                            | 2571-07085        | 00000/0000                   | 2-20030/1332                | 08/15/76         | 40                  | 7956            | 40.6         | 148.2        | GGGG                               |                     |                      | 184                   | 18                   |
| 04922E 5308N                            | 2586-06537        | 00000/0000                   | 2-20032/0396                | 08/30/76         | 20                  | 8165            | 40.6         | 143.4        | GGGG                               |                     |                      | 183                   | 23                   |
| 04922E 5305N                            | 2604-06525        | 00000/0000                   | 2-20034/0285                | 09/17/76         | 30                  | 8416            | 34.7         | 147.8        | GGGG                               |                     |                      | 183                   | 23                   |
| 04922E 5301N                            | 2424-06575        | 00000/0000                   | 2-20022/0298                | 03/21/76         | 0                   | 5906            | 32.4         | 146.4        | FFGG                               |                     |                      | 183                   | 23                   |
| 04922E 5010N                            | 2549-06493        | 00000/0000                   | 2-20030/0285                | 07/24/76         | 20                  | 7649            | 51.6         | 131.4        | GGGG                               |                     |                      | 182                   | 25                   |
| 04922E 5008N                            | 2531-06500        | 00000/0000                   | 2-20028/0825                | 07/06/76         | 30                  | 7398            | 54.3         | 129.5        | GGGG                               |                     |                      | 182                   | 25                   |
| 04921E 5304N                            | 2568-06535        | 00000/0000                   | 2-20030/1087                | 08/12/76         | 50                  | 7914            | 45.8         | 139.0        | GGGG                               |                     |                      | 183                   | 23                   |
| 04921E 1718S                            | 2392-05588        | 00000/0000                   | 2-20020/1677                | 02/18/76         | 50                  | 5459            | 46.8         | 89.1         | GFGF                               |                     |                      | 169                   | 72                   |
| 04920E 6000N                            | 2553-07092        | 00000/0000                   | 2-20030/0346                | 07/28/76         | 20                  | 7705            | 45.2         | 145.7        | GGGG                               |                     |                      | 186                   | 18                   |
| 04920E 5258N                            | 2496-06555        | 00000/0000                   | 2-20026/0123                | 06/01/76         | 10                  | 6910            | 53.3         | 137.2        | GGGG                               |                     |                      | 183                   | 23                   |
| 04920E 5005N                            | 2513-06503        | 00000/0000                   | 2-20026/1830                | 06/18/76         | 0                   | 7147            | 55.5         | 130.2        | GFGG                               |                     |                      | 182                   | 25                   |
| 04920E 3858N                            | 2456-06380        | 00000/0000                   | 2-20024/0429                | 04/22/76         | 20                  | 6352            | 51.9         | 126.1        | FGFP                               |                     |                      | 179                   | 33                   |
| 04920E 3430N                            | 2491-06324        | 00000/0000                   | 2-20026/0234                | 05/27/76         | 30                  | 6840            | 59.2         | 107.0        | GGGG                               |                     |                      | 178                   | 36                   |
| 04919E 5259N                            | 2676-06501        | 00000/0000                   | 2-20036/1578                | 11/28/76         | 20                  | 9420            | 12.5         | 156.2        | GGGG                               |                     |                      | 183                   | 23                   |
| 04919E 5257N                            | 2640-06514        | 00000/0000                   | 2-20034/0972                | 10/23/76         | 10                  | 8918            | 22.4         | 154.7        | GGGG                               |                     |                      | 183                   | 23                   |
| 04919E 3855N                            | 2474-06373        | 00000/0000                   | 2-20025/0219                | 05/10/76         | 80                  | 6603            | 56.2         | 120.4        | GGGG                               |                     |                      | 179                   | 33                   |
| 04919E 3432N                            | 2545-06311        | 00000/0000                   | 2-20029/0119                | 07/20/76         | 0                   | 7593            | 56.8         | 105.6        | GGGG                               |                     |                      | 178                   | 36                   |
| 04918E 3857N                            | 2582-06344        | 00000/0000                   | 2-20032/0112                | 08/26/76         | 10                  | 8109            | 49.4         | 126.0        | FFFF                               |                     |                      | 179                   | 33                   |
| 04918E 3856N                            | 2438-06334        | 00000/0000                   | 2-20022/1357                | 04/04/76         | 10                  | 6101            | 46.2         | 131.0        | FGGF                               |                     |                      | 179                   | 33                   |
| 04918E 3856N                            | 2708-06301        | 00000/0000                   | 2-20038/0274                | 12/30/76         | 90                  | 9866            | 20.3         | 147.0        | GGGG                               |                     |                      | 179                   | 33                   |
| 04918E 3855N                            | 2564-06351        | 00000/0000                   | 2-20032/0211                | 08/08/76         | 20                  | 7858            | 53.1         | 118.8        | GGGG                               |                     |                      | 179                   | 33                   |
| 04917E 5255N                            | 2658-06510        | 00000/0000                   | 2-20036/0253                | 11/10/76         | 90                  | 9169            | 16.9         | 156.2        | GGGG                               |                     |                      | 183                   | 23                   |
| 04917E 5253N                            | 2514-06552        | 00000/0000                   | 2-20026/1852                | 06/19/76         | 60                  | 7161            | 54.1         | 134.6        | GGGG                               |                     |                      | 183                   | 23                   |
| 04917E 3851N                            | 2420-06391        | 00000/0000                   | 2-20021/1729                | 03/17/76         | 90                  | 5850            | 39.7         | 135.0        | GGGG                               |                     |                      | 179                   | 33                   |
| 04917E 3849N                            | 2492-06371        | 00000/0000                   | 2-20026/0327                | 05/28/76         | 70                  | 6854            | 58.6         | 114.6        | GGGG                               |                     |                      | 179                   | 33                   |
| 04916E 5257N                            | 2622-06522        | 00000/0000                   | 2-20034/0528                | 10/05/76         | 50                  | 8667            | 28.6         | 151.7        | GGGG                               |                     |                      | 183                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 (BLANK)=COMPRESSED, L=LINEAR  
 MSS DATA MODE..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING

FBR NON-US

FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04916E                      | 5256N             | 2532-06545                   | 00000/0000                  | 2-20028/0858     | 07/07/76            | 40              | 7412         | 52.9         | 134.0                              | GGGG                |                      | 183                   | 23                   |
| 04916E                      | 3856N             | 2726-06292                   | 00000/0000                  | 2-20038/1509     | 01/17/77            | 70              | 117          | 21.5         | 144.0                              | FGGG                |                      | 179                   | 33                   |
| 04916E                      | 3854N             | 2690-06305                   | 00000/0000                  | 2-20037/0477     | 12/12/76            | 10              | 9615         | 21.4         | 149.0                              | GGGG                |                      | 179                   | 33                   |
| 04916E                      | 3850N             | 2546-06354                   | 00000/0000                  | 2-20029/0114     | 07/21/76            | 90              | 7607         | 56.0         | 113.1                              | FGF                 |                      | 179                   | 33                   |
| 04916E                      | 3431N             | 2653-06275                   | 00000/0000                  | 2-20036/0005     | 11/05/76            | 0               | 9099         | 32.4         | 145.8                              | GGGG                |                      | 178                   | 36                   |
| 04915E                      | 3849N             | 2672-06314                   | 00000/0000                  | 2-20036/1665     | 11/24/76            | 70              | 9364         | 24.5         | 149.6                              | GGGG                |                      | 179                   | 33                   |
| 04915E                      | 3848N             | 2528-06361                   | 00000/0000                  | 2-20028/0598     | 07/03/76            | 20              | 7356         | 58.1         | 110.1                              | GGGG                |                      | 179                   | 33                   |
| 04914E                      | 3851N             | 2600-06341                   | 00000/0000                  | 2-20032/1212     | 09/13/76            | 90              | 8360         | 44.9         | 133.3                              | GGGF                |                      | 179                   | 33                   |
| 04914E                      | 3850N             | 2618-06334                   | 00000/0000                  | 2-20034/0207     | 10/01/76            | 10              | 8611         | 39.8         | 139.9                              | FFGF                |                      | 179                   | 33                   |
| 04913E                      | 5953N             | 2535-07095                   | 00000/0000                  | 2-20028/1071     | 07/10/76            | 70              | 7454         | 48.6         | 144.6                              | GGGG                |                      | 186                   | 18                   |
| 04913E                      | 3848N             | 2654-06322                   | 00000/0000                  | 2-20036/0032     | 11/06/76            | 90              | 9113         | 29.0         | 148.3                              | GGGG                |                      | 179                   | 33                   |
| 04913E                      | 3843N             | 2510-06364                   | 00000/0000                  | 2-20026/1532     | 06/15/76            | 10              | 7105         | 59.1         | 110.6                              | GGGG                |                      | 179                   | 33                   |
| 04912E                      | 5950N             | 2517-07103                   | 00000/0000                  | 2-20027/0352     | 06/22/76            | 50              | 7203         | 50.1         | 145.2                              | GGGG                |                      | 186                   | 18                   |
| 04911E                      | 2900N             | 2454-06293                   | 00000/0000                  | 2-20024/0092     | 04/20/76            | 60              | 6324         | 54.6         | 112.6                              | GGGG                |                      | 177                   | 40                   |
| 04910E                      | 3845N             | 2636-06330                   | 00000/0000                  | 2-20034/0906     | 10/19/76            | 100             | 8862         | 34.4         | 145.0                              | FGGG                |                      | 179                   | 33                   |
| 04910E                      | 2854N             | 2472-06290                   | 00000/0000                  | 2-20025/0032     | 05/08/76            | 10              | 6575         | 57.9         | 104.3                              | FFFF                |                      | 177                   | 40                   |
| 04908E                      | 2859N             | 2580-06261                   | 00000/0000                  | 2-20030/1828     | 08/24/76            | 10              | 8081         | 52.9         | 111.7                              | FFFF                |                      | 177                   | 40                   |
| 04908E                      | 1837S             | 2500-05561                   | 00000/0000                  | 2-20026/0845     | 06/05/76            | 20              | 6965         | 32.3         | 46.2                               | GGGG                |                      | 169                   | 73                   |
| 04907E                      | 6132N             | 2464-07170                   | 00000/0000                  | 2-20024/1001     | 04/30/76            | 90              | 6464         | 41.0         | 153.0                              | GGGG                |                      | 187                   | 17                   |
| 04907E                      | 4605N             | 2458-06472                   | 00000/0000                  | 2-20024/0547     | 04/24/76            | 10              | 6380         | 49.0         | 134.9                              | GGGG                |                      | 181                   | 28                   |
| 04907E                      | 2849N             | 2526-06274                   | 00000/0000                  | 2-20026/0451     | 07/01/76            | 0               | 7328         | 58.3         | 92.2                               | GGGG                |                      | 177                   | 40                   |
| 04907E                      | 2844N             | 2508-06281                   | 00000/0000                  | 2-20026/1455     | 06/13/76            | 0               | 7077         | 59.3         | 92.5                               | FFFG                |                      | 177                   | 40                   |
| 04905E                      | 2851N             | 2418-06304                   | 00000/0000                  | 2-20021/1675     | 03/15/76            | 0               | 5822         | 44.1         | 126.3                              | GGGF                |                      | 177                   | 40                   |
| 04905E                      | 2851N             | 2598-06254                   | 00000/0000                  | 2-20032/1159     | 09/11/76            | 10              | 8332         | 49.9         | 121.1                              | FGGF                |                      | 177                   | 40                   |
| 04903E                      | 4603N             | 2584-06440                   | 00000/0000                  | 2-20032/0157     | 08/28/76            | 10              | 8137         | 45.4         | 135.1                              | GGGF                |                      | 181                   | 28                   |
| 04901E                      | 6129N             | 2572-07141                   | 00000/0000                  | 2-20030/1418     | 08/16/76            | 20              | 7970         | 39.3         | 150.1                              | GGGG                |                      | 187                   | 17                   |
| 04901E                      | 5722N             | 2462-07065                   | 00000/0000                  | 2-20024/0787     | 04/28/76            | 90              | 6436         | 43.3         | 147.9                              | GGGG                |                      | 185                   | 20                   |
| 04901E                      | 4602N             | 2728-06334                   | 00000/0000                  | 2-20035/0145     | 01/19/77            | 10              | 145          | 16.8         | 146.9                              | PPPP                |                      | 181                   | 28                   |
| 04901E                      | 2845N             | 2652-06235                   | 00000/0000                  | 2-20035/0532     | 11/04/76            | 0               | 9085         | 36.7         | 142.0                              | GGGG                |                      | 177                   | 40                   |
| 04900E                      | 5723N             | 2444-07072                   | 00000/0000                  | 2-20022/1827     | 04/10/76            | 10              | 6185         | 37.1         | 149.2                              | GGGG                |                      | 185                   | 20                   |
| 04900E                      | 4602N             | 2602-06433                   | 00000/0000                  | 2-20032/1326     | 09/15/76            | 20              | 8388         | 40.1         | 141.0                              | GGGG                |                      | 181                   | 28                   |
| 04900E                      | 4602N             | 2692-06401                   | 00000/0000                  | 2-20037/0820     | 12/14/76            | 50              | 9643         | 15.7         | 151.9                              | FFFF                |                      | 181                   | 28                   |
| 04900E                      | 1845S             | 2392-05592                   | 00000/0000                  | 2-20020/1678     | 02/18/76            | 50              | 5459         | 46.6         | 87.6                               | GGGF                |                      | 169                   | 73                   |
| 04859E                      | 3313N             | 2455-06340                   | 00000/0000                  | 2-20024/0255     | 04/21/76            | 40              | 6338         | 53.7         | 118.4                              | GGGG                |                      | 178                   | 37                   |
| 04859E                      | 2836N             | 2382-06314                   | 00000/0000                  | 2-20020/1165     | 02/08/76            | 40              | 5320         | 33.7         | 136.3                              | FFFF                |                      | 177                   | 40                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04858E 4553N                            | 2638-06422        | 00000/0000                   | 2-20034/0931                | 10/21/76         | 30                  | 8890            | 28.5         | 150.0        | GGGG                               |                     |                      | 181                   | 28                   |
| 04858E 3311N                            | 2473-06333        | 00000/0000                   | 2-20024/1890                | 05/09/76         | 50                  | 6589            | 57.5         | 111.2        | GFGB                               |                     |                      | 178                   | 37                   |
| 04857E 4556N                            | 2620-06430        | 00000/0000                   | 2-20034/0248                | 10/03/76         | 100                 | 8639            | 34.4         | 146.1        | FGGG                               |                     |                      | 181                   | 28                   |
| 04857E 3315N                            | 2581-06303        | 00000/0000                   | 2-20030/1853                | 08/25/76         | 0                   | 8095            | 51.6         | 118.1        | GGGG                               |                     |                      | 178                   | 37                   |
| 04856E 4550N                            | 2656-06414        | 00000/0000                   | 2-20036/0227                | 11/08/76         | 10                  | 9141            | 23.1         | 152.3        | GGGG                               |                     |                      | 181                   | 28                   |
| 04855E 5719N                            | 2570-07040        | 00000/0000                   | 2-20030/1248                | 08/14/76         | 80                  | 7942            | 42.6         | 144.6        | GGGG                               |                     |                      | 185                   | 20                   |
| 04855E 5714N                            | 2426-07080        | 00000/0000                   | 2-20022/0531                | 03/23/76         | 0                   | 5934            | 30.2         | 150.0        | GGGG                               |                     |                      | 185                   | 20                   |
| 04855E 5713N                            | 2480-07063        | 00000/0000                   | 2-20025/0485                | 05/16/76         | 20                  | 6687            | 48.1         | 145.8        | GGGG                               |                     |                      | 185                   | 20                   |
| 04855E 4858N                            | 2459-06521        | 00000/0000                   | 2-20024/0515                | 04/25/76         | 0                   | 6394            | 47.7         | 138.2        | GGGG                               |                     |                      | 182                   | 26                   |
| 04855E 4549N                            | 2512-06460        | 00000/0000                   | 2-20026/1779                | 06/17/76         | 70                  | 7133            | 57.2         | 123.1        | GGGG                               |                     |                      | 181                   | 28                   |
| 04854E 3306N                            | 2545-06314        | 00000/0000                   | 2-20029/0120                | 07/20/76         | 0                   | 7593            | 56.8         | 103.2        | GGGG                               |                     |                      | 178                   | 37                   |
| 04853E 5717N                            | 2606-07030        | 00000/0000                   | 2-20032/1574                | 09/19/76         | 20                  | 8444            | 31.0         | 152.0        | GG                                 |                     |                      | 185                   | 20                   |
| 04853E 3305N                            | 2491-06331        | 00000/0000                   | 2-20026/0235                | 05/27/76         | 10                  | 6840            | 59.4         | 104.4        | GGGG                               |                     |                      | 178                   | 37                   |
| 04852E 4145N                            | 2475-06423        | 00000/0000                   | 2-20025/0154                | 05/11/76         | 30                  | 6617            | 55.4         | 124.5        | GGGG                               |                     |                      | 180                   | 31                   |
| 04851E 5709N                            | 2498-07060        | 00000/0000                   | 2-20026/0684                | 06/03/76         | 0                   | 6938            | 51.0         | 143.2        | FGFB                               |                     |                      | 185                   | 20                   |
| 04851E 3732N                            | 2456-06383        | 00000/0000                   | 2-20024/0430                | 04/22/76         | 50                  | 6352            | 52.5         | 124.2        | GGGG                               |                     |                      | 179                   | 34                   |
| 04851E 3730N                            | 2474-06380        | 00000/0000                   | 2-20025/0220                | 05/10/76         | 90                  | 6603            | 56.6         | 118.0        | GGGG                               |                     |                      | 179                   | 34                   |
| 04851E 3305N                            | 2653-06282        | 00000/0000                   | 2-20036/0006                | 11/06/76         | 0                   | 9099            | 33.4         | 144.9        | GGGG                               |                     |                      | 178                   | 37                   |
| 04850E 4141N                            | 2547-06403        | 00000/0000                   | 2-20030/0096                | 07/22/76         | 10                  | 7621            | 55.2         | 118.0        | GGGG                               |                     |                      | 180                   | 31                   |
| 04850E 3730N                            | 2438-06390        | 00000/0000                   | 2-20022/1358                | 04/04/76         | 30                  | 6101            | 46.9         | 129.4        | GGGG                               |                     |                      | 179                   | 34                   |
| 04850E 3729N                            | 2564-06353        | 00000/0000                   | 2-20032/0212                | 08/06/76         | 10                  | 7858            | 53.5         | 116.7        | GGGG                               |                     |                      | 179                   | 34                   |
| 04849E 4147N                            | 2727-06342        | 00000/0000                   | 2-20038/1574                | 01/18/77         | 40                  | 131             | 19.7         | 145.1        | GGGG                               |                     |                      | 180                   | 31                   |
| 04849E 4139N                            | 2493-06420        | 00000/0000                   | 2-20026/0409                | 05/29/76         | 60                  | 6868            | 57.9         | 119.3        | FGFF                               |                     |                      | 180                   | 31                   |
| 04848E 6114N                            | 2518-07154        | 00000/0000                   | 2-20028/0089                | 06/23/76         | 80                  | 7217            | 49.1         | 147.3        | GGGG                               |                     |                      | 187                   | 17                   |
| 04848E 5707N                            | 2624-07023        | 00000/0000                   | 2-20034/0493                | 10/07/76         | 90                  | 8695            | 24.7         | 155.2        | GGGG                               |                     |                      | 185                   | 20                   |
| 04848E 5707N                            | 2642-07015        | 00000/0000                   | 2-20035/0114                | 10/25/76         | 80                  | 8946            | 18.4         | 157.6        | GGGG                               |                     |                      | 185                   | 20                   |
| 04848E 5705N                            | 2516-07053        | 00000/0000                   | 2-20027/0058                | 06/21/76         | 20                  | 7189            | 51.8         | 141.0        | GGGG                               |                     |                      | 185                   | 20                   |
| 04848E 5705N                            | 2660-07011        | 00000/0000                   | 2-20036/0951                | 11/12/76         | 70                  | 9197            | 12.9         | 158.6        | GGGG                               |                     |                      | 185                   | 20                   |
| 04848E 5436N                            | 2461-07020        | 00000/0000                   | 2-20024/0654                | 04/27/76         | 90                  | 6422            | 44.9         | 144.7        | GGGG                               |                     |                      | 184                   | 22                   |
| 04848E 4143N                            | 2691-06354        | 00000/0000                   | 2-20037/0866                | 12/13/76         | 90                  | 9629            | 19.1         | 150.2        | GGGG                               |                     |                      | 180                   | 31                   |
| 04848E 4139N                            | 2529-06410        | 00000/0000                   | 2-20028/0666                | 07/04/76         | 90                  | 7370            | 57.4         | 115.3        | GFGB                               |                     |                      | 180                   | 31                   |
| 04848E 3724N                            | 2546-06361        | 00000/0000                   | 2-20029/0115                | 07/21/76         | 70                  | 7607            | 56.3         | 110.7        | GGFF                               |                     |                      | 179                   | 34                   |
| 04847E 5708N                            | 2552-07043        | 00000/0000                   | 2-20030/0273                | 07/27/76         | 70                  | 7691            | 47.2         | 141.6        | GG G                               |                     |                      | 185                   | 20                   |
| 04847E 4139N                            | 2637-06375        | 00000/0000                   | 2-20034/1087                | 10/20/76         | 90                  | 8876            | 32.0         | 147.2        | GGGG                               |                     |                      | 180                   | 31                   |
| 04847E 4138N                            | 2673-06363        | 00000/0000                   | 2-20036/1344                | 11/25/76         | 50                  | 9378            | 22.1         | 150.9        | GGGG                               |                     |                      | 180                   | 31                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANHSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 31/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | RESERVATION<br>IC | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RALI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBV<br>NUM. |
|-----------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04847E                      | 3729N             | 2690-06312                   | 00000/0000                  | 2-20037/0478     | 12/12/76            | 10              | 9615         | 22.5         | 148.4                              | GGGG                |                      | 179                   | 34                   |
| 04846E                      | 5705N             | 2534-07050                   | 00000/0000                  | 2-20028/1006     | 07/09/76            | 60              | 7440         | 50.4         | 140.4                              | GGGG                |                      | 185                   | 20                   |
| 04846E                      | 5145N             | 2460-06571                   | 00000/0000                  | 2-20024/1165     | 04/26/76            | 10              | 6408         | 46.4         | 141.4                              | GGGG                |                      | 183                   | 24                   |
| 04846E                      | 4141N             | 2601-06390                   | 00000/0000                  | 2-20032/1115     | 09/14/76            | 90              | 8374         | 43.1         | 136.5                              | GGGG                |                      | 180                   | 31                   |
| 04846E                      | 4137N             | 2655-06371                   | 00000/0000                  | 2-20036/0049     | 11/07/76            | 90              | 9127         | 26.6         | 150.0                              | GGGG                |                      | 180                   | 31                   |
| 04846E                      | 4135N             | 2511-06413                   | 00000/0000                  | 2-20026/0715     | 06/16/76            | 50              | 7119         | 58.5         | 115.7                              | GGGG                |                      | 180                   | 31                   |
| 04846E                      | 3726N             | 2600-06343                   | 00000/0000                  | 2-20037/1213     | 09/13/76            | 70              | 8360         | 45.7         | 131.8                              | GGGG                |                      | 179                   | 34                   |
| 04845E                      | 4139N             | 2619-06383                   | 00000/0000                  | 2-20034/0185     | 10/02/76            | 90              | 8625         | 37.6         | 142.5                              | GGGG                |                      | 180                   | 31                   |
| 04845E                      | 4124N             | 2457-06430                   | 00000/0000                  | 2-20025/0521     | 04/23/76            | 10              | 6352         | 51.1         | 129.1                              | GGGG                |                      | 180                   | 31                   |
| 04845E                      | 3725N             | 2618-06340                   | 00000/0000                  | 2-20034/0208     | 10/01/76            | 20              | 8611         | 40.7         | 138.7                              | GGGG                |                      | 179                   | 34                   |
| 04845E                      | 3722N             | 2654-06324                   | 00000/0000                  | 2-20036/0033     | 11/06/76            | 50              | 9113         | 30.1         | 147.5                              | GGGG                |                      | 179                   | 34                   |
| 04845E                      | 3718N             | 2510-06371                   | 00000/0000                  | 2-20026/1533     | 06/15/76            | 10              | 7105         | 59.3         | 107.9                              | GGGG                |                      | 179                   | 34                   |
| 04844E                      | 5144N             | 2442-06574                   | 00000/0000                  | 2-20022/1484     | 04/08/76            | 10              | 6157         | 40.2         | 143.6                              | GGGG                |                      | 183                   | 24                   |
| 04844E                      | 4844N             | 2549-06495                   | 00000/0000                  | 2-20030/0286     | 07/24/76            | 60              | 7649         | 52.2         | 129.3                              | GGGG                |                      | 182                   | 26                   |
| 04844E                      | 4844N             | 2531-06502                   | 00000/0000                  | 2-20028/0826     | 07/06/76            | 40              | 7398         | 54.9         | 127.3                              | GGGG                |                      | 182                   | 26                   |
| 04843E                      | 5427N             | 2479-07013                   | 00000/0000                  | 2-20025/0497     | 05/15/76            | 80              | 6673         | 49.7         | 142.1                              | GGGG                |                      | 184                   | 22                   |
| 04843E                      | 5139N             | 2478-07564                   | 00000/0000                  | 2-20025/0449     | 05/14/76            | 30              | 6659         | 51.2         | 138.4                              | GGGG                |                      | 183                   | 24                   |
| 04842E                      | 5432N             | 2567-06554                   | 00000/0000                  | 2-20032/0426     | 08/31/76            | 10              | 8179         | 39.4         | 145.1                              | GGGG                |                      | 184                   | 22                   |
| 04842E                      | 5430N             | 2569-06591                   | 00000/0000                  | 2-20030/1154     | 08/13/76            | 80              | 7928         | 44.7         | 140.9                              | GGGG                |                      | 184                   | 22                   |
| 04842E                      | 5144N             | 2634-06495                   | 00000/0000                  | 2-20037/1059     | 12/16/76            | 100             | 9671         | 11.1         | 154.2                              | GF G                |                      | 183                   | 24                   |
| 04842E                      | 4844N             | 2513-06525                   | 00000/0000                  | 2-20024/1831     | 06/15/76            | 0               | 7147         | 56.1         | 127.8                              | GGGG                |                      | 182                   | 26                   |
| 04840E                      | 5427N             | 2605-06581                   | 00000/0000                  | 2-20032/1478     | 09/12/76            | 90              | 8430         | 33.4         | 149.3                              | GGGG                |                      | 184                   | 22                   |
| 04839E                      | 5422N             | 2497-07011                   | 00000/0000                  | 2-20026/0620     | 06/02/76            | 10              | 6924         | 52.6         | 139.1                              | GGGG                |                      | 184                   | 22                   |
| 04839E                      | 5144N             | 2533-07001                   | 00000/0000                  | 2-20027/0914     | 07/08/76            | 90              | 7426         | 52.0         | 136.2                              | GGGG                |                      | 184                   | 22                   |
| 04839E                      | 5143N             | 2586-06534                   | 00000/0000                  | 2-20031/0397     | 08/30/76            | 20              | 8165         | 41.5         | 141.9                              | GGGG                |                      | 183                   | 24                   |
| 04839E                      | 5141N             | 2604-06541                   | 00000/0000                  | 2-20034/0286     | 09/17/76            | 30              | 8416         | 35.7         | 146.6                              | GGGG                |                      | 183                   | 24                   |
| 04839E                      | 5139N             | 2565-06541                   | 00000/0000                  | 2-20030/1088     | 08/12/76            | 30              | 7914         | 46.6         | 137.2                              | GGGG                |                      | 183                   | 24                   |
| 04839E                      | 5137N             | 2457-06551                   | 00000/0000                  | 2-20022/0299     | 03/21/76            | 20              | 5906         | 33.4         | 145.2                              | FFFF                |                      | 183                   | 24                   |
| 04838E                      | 5423N             | 2567-06594                   | 00000/0000                  | 2-20030/0143     | 07/26/76            | 60              | 7677         | 49.0         | 137.6                              | GGGG                |                      | 184                   | 22                   |
| 04837E                      | 5422N             | 2623-06573                   | 00000/0000                  | 2-20034/0395     | 10/06/76            | 90              | 8681         | 27.2         | 153.0                              | GGGG                |                      | 184                   | 22                   |
| 04837E                      | 5135N             | 2676-06534                   | 00000/0000                  | 2-20036/1579     | 11/28/76            | 30              | 8420         | 13.7         | 155.5                              | GGGG                |                      | 183                   | 24                   |
| 04837E                      | 5134N             | 2496-06541                   | 00000/0000                  | 2-20026/0124     | 06/01/76            | 10              | 6910         | 54.0         | 135.0                              | GGGG                |                      | 183                   | 24                   |
| 04836E                      | 5416N             | 2510-07014                   | 00000/0000                  | 2-20027/0164     | 06/20/76            | 40              | 7175         | 53.4         | 136.7                              | GGGG                |                      | 184                   | 22                   |
| 04836E                      | 5133N             | 2440-06520                   | 00000/0000                  | 2-20034/0973     | 10/23/76            | 10              | 8918         | 23.5         | 153.8                              | GGGG                |                      | 183                   | 24                   |
| 04835E                      | 5420N             | 2641-06555                   | 00000/0000                  | 2-20034/1132     | 10/24/76            | 70              | 8932         | 21.0         | 155.7                              | GGGG                |                      | 184                   | 22                   |

KEYS: CLOUD COVER ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BA 0 NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04835E 5131N                            | 2658-06512        | 00000/0000                   | 2-20036/0754                | 11/10/76         | 90                  | 9169            | 18.0         | 155.4        | GGGG                               |                     |                      | 183                   | 24                   |
| 04835E 5129N                            | 2514-06555        | 00000/0000                   | 2-20026/1883                | 06/19/76         | 70                  | 7161            | 54.8         | 132.3        | GFGG                               |                     |                      | 183                   | 24                   |
| 04834E 5419N                            | 2659-06561        | 00000/0000                   | 2-20036/0436                | 11/11/76         | 80                  | 9183            | 15.5         | 157.0        | GGGG                               |                     |                      | 184                   | 22                   |
| 04834E 5132N                            | 2532-06552        | 00000/0000                   | 2-20028/0859                | 07/07/76         | 30                  | 7412            | 53.5         | 131.8        | GGGG                               |                     |                      | 183                   | 24                   |
| 04834E 5128N                            | 2370-06594        | 00000/0000                   | 2-20020/0468                | 01/27/76         | 20                  | 5153            | 15.3         | 151.0        | GGGG                               |                     |                      | 183                   | 24                   |
| 04833E 5133N                            | 2622-06524        | 00000/0000                   | 2-20034/0361                | 10/05/76         | 30                  | 8667            | 29.7         | 150.7        | GGGG                               |                     |                      | 183                   | 24                   |
| 04833E 4440N                            | 2458-06475        | 00000/0000                   | 2-20024/0548                | 04/24/76         | 30                  | 6380            | 49.8         | 133.1        | GGGG                               |                     |                      | 181                   | 29                   |
| 04833E 3147N                            | 2455-06343        | 00000/0000                   | 2-20024/0256                | 04/21/76         | 80                  | 6338            | 54.2         | 116.3        | GGGG                               |                     |                      | 181                   | 29                   |
| 04833E 3145N                            | 2473-06340        | 00000/0000                   | 2-20024/1891                | 05/09/76         | 40                  | 6589            | 57.7         | 108.7        | GGGG                               |                     |                      | 178                   | 38                   |
| 04832E 3149N                            | 2581-06310        | 00000/0000                   | 2-20030/1854                | 08/25/76         | 0                   | 8095            | 52.1         | 116.2        | GGGG                               |                     |                      | 178                   | 38                   |
| 04830E 4438N                            | 2584-06442        | 00000/0000                   | 2-20032/0158                | 08/28/76         | 10                  | 8137            | 46.1         | 133.5        | FFFF                               |                     |                      | 181                   | 29                   |
| 04829E 3140N                            | 2545-06320        | 00000/0000                   | 2-20029/0121                | 07/20/76         | 0                   | 7593            | 56.9         | 100.8        | GGGG                               |                     |                      | 178                   | 38                   |
| 04828E 3139N                            | 2431-06333        | 00000/0000                   | 2-20026/0236                | 05/27/76         | 0                   | 6840            | 59.4         | 101.8        | GGGG                               |                     |                      | 178                   | 38                   |
| 04827E 5845N                            | 2463-07121        | 00000/0000                   | 2-20024/0924                | 04/29/76         | 30                  | 6450            | 42.7         | 149.5        | GGGG                               |                     |                      | 186                   | 19                   |
| 04827E 4437N                            | 2728-06391        | 00000/0000                   | 2-20039/0146                | 01/19/77         | 50                  | 143             | 17.8         | 146.2        | P                                  |                     |                      | 181                   | 29                   |
| 04827E 4436N                            | 2692-06403        | 00000/0000                   | 2-20037/0821                | 12/14/76         | 90                  | 9643            | 16.8         | 151.3        | FFFF                               |                     |                      | 181                   | 29                   |
| 04826E 4436N                            | 2602-06435        | 00000/0000                   | 2-20032/1327                | 09/15/76         | 30                  | 8388            | 41.0         | 139.6        | FGGG                               |                     |                      | 181                   | 29                   |
| 04825E 3141N                            | 2617-06300        | 00000/0000                   | 2-20034/0159                | 09/30/76         | 0                   | 8597            | 44.3         | 133.2        | GGGG                               |                     |                      | 178                   | 38                   |
| 04825E 3139N                            | 2653-06284        | 00000/0000                   | 2-20036/0007                | 11/05/76         | 0                   | 9099            | 34.4         | 144.0        | GGGG                               |                     |                      | 178                   | 38                   |
| 04824E 5842N                            | 2571-07092        | 00000/0000                   | 2-20030/1333                | 08/15/76         | 90                  | 7956            | 41.5         | 146.5        | GGGG                               |                     |                      | 186                   | 19                   |
| 04824E 4431N                            | 2620-06432        | 00000/0000                   | 2-20034/0249                | 10/03/76         | 100                 | 8639            | 35.4         | 145.0        | GGGG                               |                     |                      | 181                   | 29                   |
| 04824E 4429N                            | 2638-06424        | 00000/0000                   | 2-20034/0932                | 10/21/76         | 100                 | 8890            | 29.6         | 149.1        | GGGG                               |                     |                      | 181                   | 29                   |
| 04824E 3606N                            | 2456-06385        | 00000/0000                   | 2-20024/0431                | 04/22/76         | 20                  | 6352            | 53.0         | 122.2        | GGGG                               |                     |                      | 179                   | 35                   |
| 04823E 4424N                            | 2512-06463        | 00000/0000                   | 2-20026/1780                | 06/17/76         | 90                  | 7133            | 57.7         | 120.6        | GGGG                               |                     |                      | 181                   | 29                   |
| 04823E 4020N                            | 2475-06425        | 00000/0000                   | 2-20025/0155                | 05/11/76         | 30                  | 6617            | 55.9         | 122.3        | GGGG                               |                     |                      | 180                   | 32                   |
| 04823E 3604N                            | 2438-06393        | 00000/0000                   | 2-20022/1308                | 04/04/76         | 70                  | 6101            | 47.6         | 127.8        | GGGG                               |                     |                      | 179                   | 35                   |
| 04822E 4425N                            | 2656-06420        | 00000/0000                   | 2-20036/0228                | 11/08/76         | 30                  | 9141            | 24.2         | 151.6        | GGGG                               |                     |                      | 181                   | 29                   |
| 04821E 5837N                            | 2553-07095        | 00000/0000                   | 2-20030/0347                | 07/28/76         | 30                  | 7705            | 46.1         | 143.8        | GGGG                               |                     |                      | 186                   | 19                   |
| 04821E 3559N                            | 2546-06363        | 00000/0000                   | 2-20029/0116                | 07/21/76         | 20                  | 7607            | 56.5         | 108.4        | GGGF                               |                     |                      | 179                   | 35                   |
| 04820E 4016N                            | 2547-06410        | 00000/0000                   | 2-20030/0097                | 07/22/76         | 10                  | 7621            | 55.5         | 115.7        | GGGG                               |                     |                      | 180                   | 32                   |
| 04820E 3603N                            | 2690-06314        | 00000/0000                   | 2-20037/0479                | 12/12/76         | 0                   | 9615            | 23.5         | 147.8        | GGGF                               |                     |                      | 179                   | 35                   |
| 04819E 4015N                            | 2529-06413        | 00000/0000                   | 2-20028/0667                | 07/04/76         | 90                  | 7370            | 57.7         | 112.8        | GGGF                               |                     |                      | 180                   | 32                   |
| 04819E 3600N                            | 2600-06350        | 00000/0000                   | 2-20032/1214                | 09/13/76         | 20                  | 8360            | 46.4         | 130.3        | GGGG                               |                     |                      | 179                   | 35                   |
| 04818E 4018N                            | 2691-06361        | 00000/0000                   | 2-20037/0867                | 12/13/76         | 90                  | 9629            | 20.2         | 149.6        | FGGG                               |                     |                      | 180                   | 32                   |
| 04818E 3552N                            | 2510-06373        | 00000/0000                   | 2-20026/1534                | 06/15/76         | 0                   | 7105            | 59.4         | 105.3        | GGGG                               |                     |                      | 179                   | 35                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04817E                                  | 4733N             | 2459-06524                   | 00000/0000                 | 2-20024/0516     | 04/25/76            | 10              | 6394         | 48.5         | 136.5                              | GFGG                |                      | 182                   | 27                   |
| 04817E                                  | 4014N             | 2637-06382                   | 00000/0000                 | 2-20034/1088     | 10/20/76            | 90              | 8876         | 33.0         | 146.2                              | GGFG                |                      | 180                   | 32                   |
| 04817E                                  | 4013N             | 2673-06365                   | 00000/0000                 | 2-20036/1345     | 11/25/76            | 30              | 9378         | 23.2         | 150.3                              | FGGG                |                      | 180                   | 32                   |
| 04817E                                  | 3559N             | 2618-06343                   | 00000/0000                 | 2-20034/0209     | 10/01/76            | 20              | 8611         | 41.5         | 137.5                              | GGGG                |                      | 179                   | 35                   |
| 04817E                                  | 3557N             | 2654-06331                   | 00000/0000                 | 2-20036/0034     | 11/06/76            | 10              | 9113         | 31.1         | 146.7                              | GGG                 |                      | 179                   | 35                   |
| 04816E                                  | 4012N             | 2655-06374                   | 00000/0000                 | 2-20034/0050     | 11/07/76            | 90              | 9127         | 27.7         | 149.2                              | GGGG                |                      | 180                   | 32                   |
| 04816E                                  | 4010N             | 2511-06420                   | 00000/0000                 | 2-20026/1693     | 06/16/76            | 10              | 7119         | 58.8         | 113.1                              | GGGG                |                      | 180                   | 32                   |
| 04815E                                  | 5830N             | 2535-07102                   | 00000/0000                 | 2-20028/1072     | 07/10/76            | 50              | 7454         | 49.4         | 142.5                              | GGGG                |                      | 186                   | 19                   |
| 04815E                                  | 4014N             | 2619-06385                   | 00000/0000                 | 2-20034/0186     | 10/02/76            | 90              | 8625         | 38.6         | 141.4                              | FGGG                |                      | 180                   | 32                   |
| 04815E                                  | 3958N             | 2457-06433                   | 00000/0000                 | 2-20025/0522     | 04/23/76            | 10              | 6352         | 51.8         | 127.2                              | GGGG                |                      | 180                   | 32                   |
| 04814E                                  | 5827N             | 2517-07105                   | 00000/0000                 | 2-20027/0353     | 06/22/76            | 90              | 7203         | 50.9         | 143.1                              | GGGG                |                      | 186                   | 19                   |
| 04810E                                  | 5558N             | 2462-07072                   | 00000/0000                 | 2-20024/0788     | 04/28/76            | 90              | 6436         | 44.3         | 146.2                              | GGGG                |                      | 185                   | 21                   |
| 04809E                                  | 5559N             | 2444-07075                   | 00000/0000                 | 2-20022/1828     | 04/10/76            | 0               | 6185         | 38.1         | 147.7                              | GGGG                |                      | 185                   | 21                   |
| 04808E                                  | 4722N             | 2549-06502                   | 00000/0000                 | 2-20030/0287     | 07/24/76            | 90              | 6049         | 52.8         | 127.2                              | GGGG                |                      | 182                   | 27                   |
| 04808E                                  | 4719N             | 2531-06505                   | 00000/0000                 | 2-20028/0827     | 07/06/76            | 30              | 7398         | 55.5         | 125.0                              | GGGG                |                      | 182                   | 27                   |
| 04808E                                  | 3021N             | 2455-06345                   | 00000/0000                 | 2-20024/0257     | 04/21/76            | 100             | 6338         | 54.5         | 114.2                              | GGGG                |                      | 178                   | 39                   |
| 04807E                                  | 3023N             | 2581-06312                   | 00000/0000                 | 2-20030/1855     | 08/25/76            | 0               | 8095         | 52.4         | 114.2                              | GGGG                |                      | 178                   | 39                   |
| 04806E                                  | 5558N             | 2588-07035                   | 00000/0000                 | 2-20032/0505     | 09/01/76            | 10              | 8193         | 38.1         | 146.8                              | FFFF                |                      | 185                   | 21                   |
| 04805E                                  | 5020N             | 2460-06573                   | 00000/0000                 | 2-20024/1166     | 04/26/76            | 10              | 6408         | 47.2         | 139.7                              | GGGG                |                      | 183                   | 25                   |
| 04805E                                  | 4716N             | 2513-06512                   | 00000/0000                 | 2-20024/1832     | 06/18/76            | 10              | 7147         | 56.7         | 125.5                              | GGGG                |                      | 182                   | 27                   |
| 04804E                                  | 5010N             | 2464-07173                   | 00000/0000                 | 2-20024/1002     | 04/30/76            | 90              | 6464         | 42.0         | 151.2                              | FGGG                |                      | 187                   | 18                   |
| 04804E                                  | 5556N             | 2570-07042                   | 00000/0000                 | 2-20030/1249     | 08/14/76            | 80              | 7942         | 43.5         | 142.9                              | GGGG                |                      | 185                   | 21                   |
| 04804E                                  | 5551N             | 2426-07032                   | 00000/0000                 | 2-20022/0532     | 03/23/76            | 20              | 5934         | 31.2         | 148.7                              | GGGG                |                      | 185                   | 21                   |
| 04804E                                  | 5549N             | 2480-07065                   | 00000/0000                 | 2-20025/0486     | 05/16/76            | 20              | 6687         | 49.1         | 143.8                              | FGGG                |                      | 185                   | 21                   |
| 04804E                                  | 3014N             | 2545-06323                   | 00000/0000                 | 2-20029/0122     | 07/20/76            | 0               | 7593         | 56.9         | 98.5                               | GGGG                |                      | 178                   | 39                   |
| 04804E                                  | 1712S             | 2501-06013                   | 00000/0000                 | 2-20024/0881     | 06/06/76            | 20              | 6979         | 33.3         | 46.6                               | GGGG                |                      | 170                   | 72                   |
| 04804E                                  | 1715S             | 2465-06022                   | 00000/0000                 | 2-20024/1070     | 05/01/76            | 40              | 6477         | 38.6         | 53.3                               | GGGG                |                      | 170                   | 72                   |
| 04803E                                  | 6009N             | 2446-07180                   | 00000/0000                 | 2-20023/0052     | 04/12/76            | 0               | 6213         | 35.9         | 152.1                              | GFGG                |                      | 187                   | 18                   |
| 04803E                                  | 5311              | 2461-07022                   | 00000/0000                 | 2-20024/0655     | 04/27/76            | 70              | 6422         | 45.8         | 143.0                              | GGGG                |                      | 184                   | 23                   |
| 04803E                                  | 5019N             | 2442-06580                   | 00000/0000                 | 2-20022/1485     | 04/08/76            | 0               | 6157         | 41.1         | 142.1                              | GGGG                |                      | 183                   | 25                   |
| 04803E                                  | 5014N             | 2478-06570                   | 00000/0000                 | 2-20025/0450     | 05/14/76            | 40              | 6659         | 51.9         | 136.4                              | GGGG                |                      | 183                   | 25                   |
| 04803E                                  | 3013N             | 2491-06340                   | 00000/0000                 | 2-20026/0237     | 05/27/76            | 0               | 6840         | 59.4         | 99.1                               | GPGR                |                      | 178                   | 39                   |
| 04802E                                  | 5553N             | 2606-07032                   | 00000/0000                 | 2-20032/1575     | 09/19/76            | 10              | 8444         | 32.1         | 150.8                              | GGGG                |                      | 185                   | 21                   |
| 04802E                                  | 1717S             | 2429-06033                   | 00000/0000                 | 2-20022/0676     | 03/26/76            | 90              | 5975         | 43.8         | 69.2                               | GGGG                |                      | 170                   | 72                   |
| 04801E                                  | 5017N             | 2622-06502                   | 00000/0000                 | 2-20037/1070     | 12/16/76            | 30              | 9671         | 12.2         | 153.6                              | FGGG                |                      | 183                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBY | ROLL NO./<br>IN RBLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBY<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04800E 5545N                            | 2498-07062        | 00000/0000                   | 2-20026/0685                | 06/03/76         | 10                  | 6938            | 51.9         | 141.1        | GGFG                               |                     |                      | 185                   | 21                   |
| 04800E 4315N                            | 2458-06481        | 00000/0000                   | 2-20024/0549                | 04/24/76         | 50                  | 6380            | 50.5         | 131.2        | FGGG                               |                     |                      | 181                   | 30                   |
| 04800E 3015N                            | 2617-06302        | 00000/0000                   | 2-20034/0160                | 09/30/76         | 0                   | 8597            | 45.1         | 131.8        | GGGG                               |                     |                      | 178                   | 39                   |
| 04800E 3014N                            | 2653-06291        | 00000/0000                   | 2-20036/0008                | 11/05/76         | 0                   | 9099            | 35.4         | 143.1        | GGGG                               |                     |                      | 178                   | 39                   |
| 04759E 6009N                            | 2590-07140        | 00000/0000                   | 2-20037/0600                | 09/03/76         | 80                  | 8221            | 34.5         | 151.7        | GGGG                               |                     |                      | 187                   | 18                   |
| 04759E 5018N                            | 2586-06541        | 00000/0000                   | 2-20032/0398                | 08/30/76         | 20                  | 8165            | 42.3         | 140.4        | GGGG                               |                     |                      | 183                   | 25                   |
| 04759E 5016N                            | 2604-06534        | 00000/0000                   | 2-20034/0287                | 09/17/76         | 40                  | 8416            | 36.7         | 145.3        | GGGG                               |                     |                      | 183                   | 25                   |
| 04759E 5015N                            | 2568-06544        | 00000/0000                   | 2-20030/1089                | 08/12/76         | 30                  | 7914            | 47.4         | 135.8        | GGGG                               |                     |                      | 183                   | 25                   |
| 04759E 5012N                            | 2424-06534        | 00000/0000                   | 2-20022/0300                | 03/21/76         | 100                 | 5906            | 34.3         | 144.0        | FFGG                               |                     |                      | 183                   | 25                   |
| 04758E 6007N                            | 2572-07143        | 00000/0000                   | 2-20030/1419                | 08/16/76         | 20                  | 7970            | 40.2         | 148.4        | GGGG                               |                     |                      | 187                   | 18                   |
| 04758E 5544N                            | 2642-07021        | 00000/0000                   | 2-20035/0115                | 10/25/76         | 70                  | 8946            | 19.5         | 156.7        | GGGG                               |                     |                      | 185                   | 21                   |
| 04758E 5542N                            | 2660-07013        | 00000/0000                   | 2-20036/0952                | 11/12/76         | 40                  | 9197            | 14.1         | 157.8        | GGGG                               |                     |                      | 185                   | 21                   |
| 04758E 5541N                            | 2516-07050        | 00000/0000                   | 2-20027/0059                | 06/21/76         | 30                  | 7189            | 52.6         | 138.8        | GGGG                               |                     |                      | 185                   | 21                   |
| 04758E 5303N                            | 2479-07020        | 00000/0000                   | 2-20025/0498                | 05/15/76         | 30                  | 6673            | 50.6         | 140.2        | GGGG                               |                     |                      | 184                   | 23                   |
| 04758E 3440N                            | 2456-06392        | 00000/0000                   | 2-20024/0432                | 04/22/76         | 30                  | 6352            | 53.5         | 120.2        | GGGG                               |                     |                      | 179                   | 36                   |
| 04757E 5543N                            | 2624-07025        | 00000/0000                   | 2-20034/0494                | 10/07/76         | 100                 | 8695            | 25.8         | 154.2        | GGGG                               |                     |                      | 185                   | 21                   |
| 04757E 5306N                            | 2569-06593        | 00000/0000                   | 2-20030/1155                | 08/13/76         | 40                  | 7928            | 45.5         | 139.2        | GGGG                               |                     |                      | 184                   | 23                   |
| 04757E 5010N                            | 2496-06564        | 00000/0000                   | 2-20026/0125                | 06/01/76         | 10                  | 6910            | 54.8         | 132.8        | GGGG                               |                     |                      | 183                   | 25                   |
| 04757E 4313N                            | 2584-06445        | 00000/0000                   | 2-20032/0159                | 08/28/76         | 10                  | 8137            | 46.9         | 131.9        | GFFF                               |                     |                      | 181                   | 30                   |
| 04757E 1722S                            | 2411-06041        | 00000/0000                   | 2-20021/1233                | 03/08/76         | 70                  | 5724            | 45.5         | 78.9         | GGGG                               |                     |                      | 170                   | 72                   |
| 04756E 6001N                            | 2482-07170        | 00000/0000                   | 2-20025/0840                | 05/18/76         | 80                  | 6715            | 46.7         | 149.4        | GGGG                               |                     |                      | 187                   | 18                   |
| 04756E 5541N                            | 2534-07053        | 00000/0000                   | 2-20028/1007                | 07/09/76         | 70                  | 7440            | 51.2         | 138.3        | GGGG                               |                     |                      | 185                   | 21                   |
| 04756E 5308N                            | 2587-06590        | 00000/0000                   | 2-20032/0368                | 08/31/76         | 10                  | 8179            | 40.3         | 143.6        | FGGG                               |                     |                      | 184                   | 23                   |
| 04756E 5011N                            | 2676-06510        | 00000/0000                   | 2-20036/1580                | 11/28/76         | 40                  | 9420            | 14.8         | 154.8        | GGGG                               |                     |                      | 183                   | 25                   |
| 04756E 4308N                            | 2476-06474        | 00000/0000                   | 2-20025/0179                | 05/12/76         | 50                  | 6631            | 55.0         | 126.4        | GFGG                               |                     |                      | 181                   | 30                   |
| 04756E 1717S                            | 2375-06050        | 00000/0000                   | 2-20020/0802                | 02/01/76         | 70                  | 5222            | 48.0         | 96.9         | GGGG                               |                     |                      | 170                   | 72                   |
| 04755E 5303N                            | 2605-06583        | 00000/0000                   | 2-20037/1479                | 09/18/76         | 90                  | 8430            | 34.4         | 148.0        | GGGF                               |                     |                      | 184                   | 23                   |
| 04755E 5258N                            | 2497-07013        | 00000/0000                   | 2-20026/0621                | 06/02/76         | 10                  | 6924            | 53.4         | 137.0        | GGGG                               |                     |                      | 184                   | 23                   |
| 04755E 5008N                            | 2532-06554        | 00000/0000                   | 2-20028/0860                | 07/07/76         | 50                  | 7412            | 54.2         | 129.6        | GGGG                               |                     |                      | 183                   | 25                   |
| 04755E 5008N                            | 2640-06523        | 00000/0000                   | 2-20034/0974                | 10/23/76         | 10                  | 8918            | 24.6         | 152.9        | GGGG                               |                     |                      | 183                   | 25                   |
| 04755E 5007N                            | 2658-06515        | 00000/0000                   | 2-20036/0255                | 11/10/76         | 100                 | 9169            | 19.1         | 154.7        | GGGG                               |                     |                      | 183                   | 25                   |
| 04755E 5004N                            | 2514-06561        | 00000/0000                   | 2-20026/1884                | 06/19/76         | 90                  | 7161            | 55.5         | 130.0        | GGGG                               |                     |                      | 183                   | 25                   |
| 04755E 4311N                            | 2728-06393        | 00000/0000                   | 2-20039/0147                | 01/19/77         | 40                  | 145             | 18.8         | 145.6        | F                                  |                     |                      | 181                   | 30                   |
| 04755E 4304N                            | 2494-06472        | 00000/0000                   | 2-20026/0431                | 05/30/76         | 40                  | 6882            | 57.5         | 121.5        | FFGF                               |                     |                      | 181                   | 30                   |
| 04755E 3433N                            | 2546-06370        | 00000/0000                   | 2-20029/0117                | 07/21/76         | 10                  | 7607            | 56.6         | 106.0        | GGGF                               |                     |                      | 179                   | 36                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 04754E                      | 5259N             | 2551-07000            | 00000/0000           | 2-20030/0144     | 07/26/76            | 30              | 7677         | 49.8         | 135.7                 | GGGG                |                      | 184                   | 23                   |
| 04754E                      | 5256N             | 2533-07003            | 00000/0000           | 2-20028/0915     | 07/08/76            | 90              | 7426         | 52.8         | 134.0                 | GGGG                |                      | 184                   | 23                   |
| 04754E                      | 3856N             | 2439-06442            | 00000/0000           | 2-20022/1557     | 04/05/76            | 90              | 6115         | 46.5         | 130.8                 | GGFG                |                      | 180                   | 33                   |
| 04754E                      | 3854N             | 2475-06432            | 00000/0000           | 2-20025/0156     | 05/11/76            | 10              | 6617         | 56.4         | 120.0                 | GGGG                |                      | 180                   | 33                   |
| 04753E                      | 5008N             | 2622-06531            | 00000/0000           | 2-20034/0362     | 10/05/76            | 30              | 8667         | 30.7         | 149.7                 | GGGG                |                      | 183                   | 25                   |
| 04753E                      | 4311N             | 2602-06442            | 00000/0000           | 2-20032/1328     | 09/15/76            | 10              | 8388         | 41.9         | 138.3                 | FFGG                |                      | 181                   | 30                   |
| 04753E                      | 3437N             | 2690-06321            | 00000/0000           | 2-20037/0480     | 12/12/76            | 0               | 9615         | 24.6         | 147.1                 | GGGG                |                      | 179                   | 36                   |
| 04752E                      | 5258N             | 2623-06580            | 00000/0000           | 2-20034/0396     | 10/06/76            | 90              | 8681         | 28.2         | 151.9                 | GGFG                |                      | 184                   | 23                   |
| 04752E                      | 5252N             | 2515-07011            | 00000/0000           | 2-20027/0165     | 06/20/76            | 50              | 7175         | 54.1         | 134.5                 | GGGG                |                      | 184                   | 23                   |
| 04752E                      | 4304N             | 2548-06455            | 00000/0000           | 2-20028/1622     | 07/23/76            | 30              | 7635         | 54.6         | 120.4                 | GGGF                |                      | 181                   | 30                   |
| 04752E                      | 4304N             | 2638-06431            | 00000/0000           | 2-20034/0933     | 10/21/76            | 90              | 8890         | 30.6         | 148.3                 | GGGG                |                      | 181                   | 30                   |
| 04752E                      | 3434N             | 2600-06352            | 00000/0000           | 2-20034/0269     | 09/13/76            | 0               | 8360         | 47.1         | 128.7                 | GGGG                |                      | 179                   | 36                   |
| 04752E                      | 3426N             | 2510-06380            | 00000/0000           | 2-20026/1535     | 06/15/76            | 0               | 7105         | 59.5         | 102.6                 | GGGG                |                      | 179                   | 36                   |
| 04751E                      | 6000N             | 2428-07183            | 00000/0000           | 2-20022/0638     | 03/25/76            | 0               | 5962         | 29.0         | 152.5                 | GGGG                |                      | 187                   | 18                   |
| 04751E                      | 4305N             | 2620-06435            | 00000/0000           | 2-20034/0250     | 10/03/76            | 90              | 8639         | 36.4         | 143.9                 | GGGG                |                      | 181                   | 30                   |
| 04751E                      | 4259N             | 2512-06465            | 00000/0000           | 2-20026/1741     | 06/17/76            | 40              | 7133         | 58.1         | 118.1                 | GGGG                |                      | 181                   | 30                   |
| 04751E                      | 3851N             | 2547-06412            | 00000/0000           | 2-20030/0098     | 07/22/76            | 10              | 7621         | 55.9         | 113.4                 | GGGG                |                      | 180                   | 33                   |
| 04751E                      | 3431N             | 2654-05333            | 00000/0000           | 2-20036/0035     | 11/06/76            | 0               | 9113         | 32.1         | 145.9                 | GGGG                |                      | 179                   | 36                   |
| 04750E                      | 5957N             | 2530-07163            | 00000/0000           | 2-20026/0846     | 06/05/76            | 90              | 6966         | 49.4         | 147.1                 | GGGF                |                      | 187                   | 18                   |
| 04750E                      | 5256N             | 2541-06572            | 00000/0000           | 2-20034/1108     | 10/24/76            | 90              | 8932         | 22.1         | 154.8                 | FGGG                |                      | 184                   | 23                   |
| 04750E                      | 4305N             | 2655-06422            | 00000/0000           | 2-20036/0229     | 11/05/76            | 80              | 9141         | 25.2         | 150.8                 | GGGG                |                      | 181                   | 30                   |
| 04750E                      | 3859N             | 2618-06415            | 00000/0000           | 2-20028/0668     | 07/04/76            | 50              | 7370         | 58.0         | 110.2                 | GGGG                |                      | 180                   | 33                   |
| 04749E                      | 5255N             | 2651-06544            | 00000/0000           | 2-20036/0437     | 11/11/76            | 90              | 9183         | 16.6         | 156.2                 | GGGG                |                      | 184                   | 23                   |
| 04749E                      | 3852N             | 2621-06363            | 00000/0000           | 2-20037/0868     | 12/13/76            | 30              | 9629         | 21.3         | 149.0                 | FGGG                |                      | 180                   | 33                   |
| 04749E                      | 4334N             | 2618-06345            | 00000/0000           | 2-20034/0210     | 10/01/76            | 30              | 8611         | 42.4         | 136.3                 | GGGG                |                      | 179                   | 36                   |
| 04748E                      | 5950N             | 2410-07191            | 00000/0000           | 2-20021/1247     | 03/07/76            | 30              | 5711         | 22.0         | 152.9                 | GGGG                |                      | 187                   | 18                   |
| 04748E                      | 3848N             | 2673-06372            | 00000/0000           | 2-20036/1346     | 11/25/76            | 50              | 9378         | 24.3         | 149.6                 | GGGF                |                      | 180                   | 33                   |
| 04747E                      | 3849N             | 2637-06384            | 00000/0000           | 2-20034/1049     | 10/20/76            | 80              | 8276         | 34.0         | 145.3                 | GGFG                |                      | 180                   | 33                   |
| 04747E                      | 3847N             | 2655-06380            | 00000/0000           | 2-20034/0051     | 11/07/76            | 80              | 9127         | 28.7         | 148.4                 | GGGG                |                      | 180                   | 33                   |
| 04747E                      | 3844N             | 2511-06422            | 00000/0000           | 2-20026/1634     | 06/16/76            | 10              | 7119         | 59.1         | 110.5                 | GGGG                |                      | 180                   | 33                   |
| 04746E                      | 5951N             | 2518-07161            | 00000/0000           | 2-20028/0090     | 06/23/76            | 70              | 7217         | 50.0         | 145.2                 | GGGG                |                      | 187                   | 18                   |
| 04746E                      | 3848N             | 2619-06392            | 00000/0000           | 2-20034/0187     | 10/02/76            | 40              | 8625         | 39.5         | 140.2                 | FGGG                |                      | 180                   | 33                   |
| 04746E                      | 3832N             | 2457-06435            | 00000/0000           | 2-20025/0523     | 04/23/76            | 20              | 6352         | 52.4         | 125.2                 | GGGG                |                      | 180                   | 33                   |
| 04743E                      | 6931N             | 2471-07543            | 00000/0000           | 2-20024/1666     | 05/07/76            | 20              | 6562         | 36.8         | 164.9                 | FGGG                |                      | 194                   | 11                   |
| 04743E                      | 4415S             | 2465-07025            | 00000/0000           | 2-20024/1071     | 05/01/76            | 40              | 6477         | 37.5         | 52.6                  | GGGG                |                      | 170                   | 73                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=A=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PAYH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04742E 1838S                            | 2501-06020        | 00000/0000                   | 2-20026/0882                | 06/06/76         | 20                  | 6979            | 32.2         | 46.1         | GGGG                               |                     |                      | 170                   | 73                   |
| 04741E 4607N                            | 2459-06530        | 00000/0000                   | 2-20024/0517                | 04/25/76         | 30                  | 6394            | 49.3         | 134.7        | GGGG                               |                     |                      | 182                   | 28                   |
| 04741E 1843S                            | 2429-06035        | 00000/0000                   | 2-20022/0677                | 03/26/76         | 90                  | 5975            | 43.0         | 68.0         | GGGG                               |                     |                      | 170                   | 73                   |
| 04740E 6131N                            | 2465-07225        | 00000/0000                   | 2-20024/1117                | 05/01/76         | 60                  | 6478            | 41.3         | 152.9        | GGGG                               |                     |                      | 188                   | 17                   |
| 04737E 4557N                            | 2477-06524        | 00000/0000                   | 2-20025/0311                | 05/13/76         | 30                  | 6645            | 53.9         | 130.4        | GGGG                               |                     |                      | 182                   | 28                   |
| 04736E 4606N                            | 2585-06494        | 00000/0000                   | 2-20032/0177                | 08/29/76         | 30                  | 8151            | 45.1         | 135.5        | GGGG                               |                     |                      | 182                   | 28                   |
| 04736E 1848S                            | 2411-06043        | 00000/0000                   | 2-20021/1234                | 03/08/76         | 70                  | 5724            | 45.0         | 77.6         | GGGG                               |                     |                      | 170                   | 73                   |
| 04735E 6128N                            | 2573-07135        | 00000/0000                   | 2-20030/1645                | 08/17/76         | 40                  | 7984            | 39.0         | 150.3        | FGGG                               |                     |                      | 188                   | 17                   |
| 04734E 4555N                            | 2531-06511        | 00000/0000                   | 2-20028/0828                | 07/06/76         | 10                  | 7398            | 56.0         | 122.6        | GGGG                               |                     |                      | 182                   | 28                   |
| 04734E 4554N                            | 2495-06521        | 00000/0000                   | 2-20026/0502                | 05/31/76         | 10                  | 6896            | 56.6         | 126.1        | FGGG                               |                     |                      | 182                   | 28                   |
| 04734E 1844S                            | 2375-06053        | 00000/0000                   | 2-20020/0803                | 02/01/76         | 40                  | 5222            | 47.9         | 95.4         | GGGG                               |                     |                      | 170                   | 73                   |
| 04733E 5721N                            | 2463-07124        | 00000/0000                   | 2-20024/0925                | 04/29/76         | 20                  | 6450            | 43.6         | 147.8        | GGGG                               |                     |                      | 186                   | 20                   |
| 04733E 4557N                            | 2549-06504        | 00000/0000                   | 2-20030/0288                | 07/24/76         | 80                  | 7649            | 53.4         | 125.1        | GGGG                               |                     |                      | 182                   | 28                   |
| 04732E 4600N                            | 2603-06491        | 00000/0000                   | 2-20032/0879                | 09/16/76         | 10                  | 8402            | 39.8         | 141.2        | GGGG                               |                     |                      | 182                   | 28                   |
| 04732E 4554N                            | 2639-06480        | 00000/0000                   | 2-20034/1013                | 10/22/76         | 90                  | 8904            | 28.2         | 150.2        | GGGG                               |                     |                      | 182                   | 28                   |
| 04732E 3314N                            | 2456-06394        | 00000/0000                   | 2-20024/0433                | 04/22/76         | 20                  | 6352            | 54.0         | 118.1        | GGGG                               |                     |                      | 179                   | 37                   |
| 04731E 5721N                            | 2589-07091        | 00000/0000                   | 2-20032/0537                | 09/02/76         | 0                   | 8207            | 36.8         | 148.5        | GGG                                |                     |                      | 186                   | 20                   |
| 04731E 4551N                            | 2513-06514        | 00000/0000                   | 2-20026/1833                | 06/18/76         | 10                  | 7147            | 57.2         | 123.0        | GGGG                               |                     |                      | 182                   | 28                   |
| 04731E 4550N                            | 2657-06472        | 00000/0000                   | 2-20036/0213                | 11/09/76         | 10                  | 9155            | 22.8         | 152.4        | GGGG                               |                     |                      | 182                   | 28                   |
| 04730E 3313N                            | 2582-06362        | 00000/0000                   | 2-20032/0113                | 08/26/76         | 0                   | 8109            | 51.5         | 118.6        | GGGG                               |                     |                      | 179                   | 37                   |
| 04729E 6119N                            | 2501-07215        | 00000/0000                   | 2-20026/0883                | 06/06/76         | 10                  | 6980            | 48.6         | 149.1        | FFGG                               |                     |                      | 188                   | 17                   |
| 04729E 5718N                            | 2571-07094        | 00000/0000                   | 2-20030/1334                | 08/15/76         | 90                  | 7956            | 42.4         | 144.2        | GGGG                               |                     |                      | 186                   | 20                   |
| 04729E 4553N                            | 2621-06484        | 00000/0000                   | 2-20034/0319                | 10/04/76         | 10                  | 8653            | 34.1         | 146.3        | GGGF                               |                     |                      | 182                   | 28                   |
| 04729E 4149N                            | 2458-06484        | 00000/0000                   | 2-20024/0550                | 04/24/76         | 90                  | 6380            | 51.2         | 129.4        | GGGG                               |                     |                      | 181                   | 31                   |
| 04729E 3307N                            | 2492-06385        | 00000/0000                   | 2-20026/0328                | 05/28/76         | 10                  | 6854            | 59.4         | 104.1        | GGGG                               |                     |                      | 179                   | 37                   |
| 04727E 5714N                            | 2553-07101        | 00000/0000                   | 2-20030/0348                | 07/28/76         | 20                  | 7705            | 47.0         | 141.9        | GGGG                               |                     |                      | 186                   | 20                   |
| 04727E 4856N                            | 2460-06580        | 00000/0000                   | 2-20024/1167                | 04/26/76         | 30                  | 6408            | 48.1         | 138.0        | GGGG                               |                     |                      | 183                   | 26                   |
| 04727E 4148N                            | 2440-06431        | 00000/0000                   | 2-20022/1426                | 04/06/76         | 40                  | 6129            | 45.4         | 133.7        | GGGG                               |                     |                      | 181                   | 31                   |
| 04727E 3311N                            | 2690-06323        | 00000/0000                   | 2-20032/0481                | 12/12/76         | 0                   | 9615            | 25.6         | 146.5        | GGGG                               |                     |                      | 179                   | 37                   |
| 04727E 3306N                            | 2528-06375        | 00000/0000                   | 2-20028/0599                | 07/03/76         | 0                   | 7356            | 58.5         | 99.9         | GGGG                               |                     |                      | 179                   | 37                   |
| 04726E 5714N                            | 2607-07084        | 00000/0000                   | 2-20032/1593                | 09/20/76         | 10                  | 8458            | 30.7         | 152.2        | GGGG                               |                     |                      | 186                   | 20                   |
| 04726E 4147N                            | 2584-06451        | 00000/0000                   | 2-20032/0160                | 08/28/76         | 10                  | 8137            | 47.6         | 130.2        | GGGF                               |                     |                      | 181                   | 31                   |
| 04726E 3309N                            | 2600-06355        | 00000/0000                   | 2-20032/1309                | 09/13/76         | 0                   | 8360            | 47.7         | 127.1        | GGGG                               |                     |                      | 179                   | 37                   |
| 04725E 4854N                            | 2442-06583        | 00000/0000                   | 2-20022/1486                | 04/08/76         | 0                   | 6157            | 42.0         | 140.7        | GGGG                               |                     |                      | 183                   | 26                   |
| 04725E 4850N                            | 2478-06573        | 00000/0000                   | 2-20025/0451                | 05/14/76         | 40                  | 6659            | 52.7         | 134.4        | GGGG                               |                     |                      | 183                   | 26                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER % | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PAYH<br>NUM. | FRAME<br>RBV<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | RBV                   | MSS                  |                  |                  |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 04725E                      | 4149N             | 2710-06404            | 00000/0000           | 2-20038/0590     | 01/01/77         | 40              | 9894         | 18.2         | 147.9                 | GGGG                |                      | 181                   | 31                   |
| 04725E                      | 4143N             | 2476-06481            | 00000/0000           | 2-20025/0180     | 05/12/76         | 20              | 6631         | 55.6         | 124.2                 | GGGG                |                      | 181                   | 31                   |
| 04725E                      | 3730N             | 2439-06444            | 00000/0000           | 2-20027/1558     | 04/05/76         | 100             | 6115         | 47.2         | 129.2                 | GGGG                |                      | 180                   | 34                   |
| 04725E                      | 3305N             | 2654-06340            | 00000/0000           | 2-20036/0036     | 11/06/76         | 0               | 9113         | 33.2         | 145.1                 | GGGG                |                      | 179                   | 37                   |
| 04724E                      | 4143N             | 2422-06494            | 00000/0000           | 2-20027/0279     | 03/19/76         | 40              | 5878         | 38.8         | 137.1                 | GGGG                |                      | 181                   | 31                   |
| 04724E                      | 4139N             | 2494-06474            | 00000/0000           | 2-20026/0432     | 05/30/76         | 90              | 6882         | 58.0         | 119.0                 | FGGF                |                      | 181                   | 31                   |
| 04723E                      | 6116N             | 2537-07205            | 00000/0000           | 2-20028/1808     | 07/12/76         | 90              | 7482         | 47.4         | 146.8                 | GGGG                |                      | 188                   | 17                   |
| 04723E                      | 5711N             | 2625-07081            | 00000/0000           | 2-20034/0559     | 10/08/76         | 90              | 8709         | 24.3         | 155.5                 | FGGF                |                      | 186                   | 20                   |
| 04723E                      | 4146N             | 2692-06412            | 00000/0000           | 2-20037/0823     | 12/14/76         | 100             | 9643         | 19.0         | 150.1                 | GGGG                |                      | 181                   | 31                   |
| 04723E                      | 4146N             | 2728-06400            | 00000/0000           | 2-20038/1516     | 01/19/77         | 70              | 145          | 19.8         | 144.9                 | GGGF                |                      | 181                   | 31                   |
| 04723E                      | 3727N             | 2565-06412            | 00000/0000           | 2-20030/0998     | 08/09/76         | 10              | 7872         | 53.3         | 117.1                 | GGGG                |                      | 180                   | 34                   |
| 04723E                      | 3308N             | 2618-06352            | 00000/0000           | 2-20034/0211     | 10/01/76         | 50              | 8611         | 43.2         | 135.0                 | GGGG                |                      | 179                   | 37                   |
| 04722E                      | 5707N             | 2643-07073            | 00000/0000           | 2-20035/0069     | 10/26/76         | 100             | 8960         | 18.1         | 157.7                 | FGGG                |                      | 186                   | 20                   |
| 04722E                      | 5435N             | 2462-07074            | 00000/0000           | 2-20024/0789     | 04/28/76         | 50              | 6436         | 45.2         | 144.5                 | GGGG                |                      | 185                   | 22                   |
| 04722E                      | 4852N             | 2694-06504            | 00000/0000           | 2-20037/1071     | 12/16/76         | 20              | 9671         | 13.3         | 153.0                 | FFGG                |                      | 183                   | 26                   |
| 04722E                      | 4145N             | 2602-06444            | 00000/0000           | 2-20032/1329     | 09/15/76         | 30              | 8388         | 42.7         | 136.9                 | GGGG                |                      | 181                   | 31                   |
| 04722E                      | 4140N             | 2674-06421            | 00000/0000           | 2-20036/1357     | 11/26/76         | 60              | 9392         | 21.9         | 150.9                 | GGGG                |                      | 181                   | 31                   |
| 04722E                      | 4139N             | 2548-06462            | 00000/0000           | 2-20028/1623     | 07/23/76         | 20              | 7635         | 55.0         | 118.2                 | GGGG                |                      | 181                   | 31                   |
| 04722E                      | 3724N             | 2529-06422            | 00000/0000           | 2-20028/0669     | 07/04/76         | 30              | 7370         | 58.2         | 107.7                 | GGGG                |                      | 180                   | 34                   |
| 04721E                      | 6113N             | 2519-07213            | 00000/0000           | 2-20027/0467     | 06/24/76         | 90              | 7231         | 49.1         | 147.2                 | GGGG                |                      | 188                   | 17                   |
| 04721E                      | 5435N             | 2444-07081            | 00000/0000           | 2-20027/1829     | 04/10/76         | 0               | 6185         | 39.1         | 146.3                 | GGGG                |                      | 185                   | 22                   |
| 04721E                      | 4347N             | 2424-06590            | 00000/0000           | 2-20027/0301     | 03/21/76         | 100             | 5906         | 35.2         | 142.8                 | FFGG                |                      | 183                   | 26                   |
| 04721E                      | 4139N             | 2638-06433            | 00000/0000           | 2-20034/0934     | 10/21/76         | 90              | 8890         | 31.7         | 147.4                 | GGGG                |                      | 181                   | 31                   |
| 04721E                      | 3727N             | 2691-06370            | 00000/0000           | 2-20037/0869     | 12/13/76         | 10              | 9629         | 22.4         | 148.3                 | FFGG                |                      | 180                   | 34                   |
| 04720E                      | 5707N             | 2535-07104            | 00000/0000           | 2-20028/1073     | 07/10/76         | 30              | 7454         | 50.2         | 140.4                 | GGGG                |                      | 186                   | 20                   |
| 04720E                      | 5705N             | 2661-07055            | 00000/0000           | 2-20036/0958     | 11/13/76         | 100             | 9211         | 12.7         | 158.6                 | GGGG                |                      | 186                   | 20                   |
| 04720E                      | 5704N             | 2517-07112            | 00000/0000           | 2-20027/0304     | 06/22/76         | 80              | 7203         | 51.8         | 140.9                 | GGGG                |                      | 186                   | 20                   |
| 04720E                      | 5147N             | 2461-07025            | 00000/0000           | 2-20024/0656     | 04/27/76         | 30              | 6422         | 46.6         | 141.3                 | GGGG                |                      | 186                   | 20                   |
| 04720E                      | 4854N             | 2586-06543            | 00000/0000           | 2-20032/0399     | 08/30/76         | 20              | 8165         | 43.2         | 138.9                 | GGGG                |                      | 183                   | 26                   |
| 04720E                      | 4852N             | 2604-06540            | 00000/0000           | 2-20034/0288     | 09/17/76         | 30              | 8416         | 37.7         | 144.1                 | GGGG                |                      | 183                   | 26                   |
| 04720E                      | 4850N             | 2568-06550            | 00000/0000           | 2-20030/1090     | 08/12/76         | 10              | 7914         | 48.1         | 133.6                 | GGGG                |                      | 183                   | 26                   |
| 04720E                      | 4140N             | 2620-06441            | 00000/0000           | 2-20034/0251     | 10/03/76         | 90              | 8639         | 37.3         | 142.8                 | GGGG                |                      | 181                   | 31                   |
| 04720E                      | 4134N             | 2512-06472            | 00000/0000           | 2-20026/1782     | 06/17/76         | 10              | 7133         | 58.5         | 115.5                 | GGGG                |                      | 181                   | 31                   |
| 04720E                      | 3718N             | 2511-06425            | 00000/0000           | 2-20026/1695     | 06/16/76         | 10              | 7119         | 59.3         | 107.9                 | GGGG                |                      | 180                   | 34                   |
| 04719E                      | 6252N             | 2466-07280            | 00000/0000           | 2-20024/1175     | 05/02/76         | 100             | 6492         | 40.6         | 154.6                 | P                   |                      | 189                   | 16                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE | LAT   | LONG | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 04719E                      | 4845N |      | 2496-06570        | 00000/0000                   | 2-20026/0126                | 06/01/76         | 10                  | 6910            | 55.4         | 130.6        | GGGG                  |                     |                      | 183                   | 26                   |
| 04719E                      | 4136N |      | 2656-06425        | 00000/0000                   | 2-20036/0230                | 11/08/76         | 60                  | 9141            | 26.3         | 150.1        | GGGG                  |                     |                      | 181                   | 31                   |
| 04718E                      | 6252N |      | 2574-07251        | 00000/0000                   | 2-20030/1385                | 08/18/76         | 30                  | 7998            | 37.7         | 152.3        | G GG                  |                     |                      | 189                   | 16                   |
| 04718E                      | 5144N |      | 2443-07032        | 00000/0000                   | 2-20022/1892                | 04/09/76         | 0                   | 6171            | 40.6         | 143.8        | GGGG                  |                     |                      | 184                   | 24                   |
| 04718E                      | 4847N |      | 2676-06513        | 00000/0000                   | 2-20036/1581                | 11/28/76         | 50                  | 9420            | 15.9         | 154.2        | GGF                   |                     |                      | 183                   | 26                   |
| 04718E                      | 3722N |      | 2655-06383        | 00000/0000                   | 2-20036/0052                | 11/07/76         | 10                  | 9127            | 29.8         | 147.7        | GGGG                  |                     |                      | 180                   | 34                   |
| 04718E                      | 3706N |      | 2457-06442        | 00000/0000                   | 2-20025/0524                | 04/23/76         | 30                  | 6352            | 52.9         | 123.3        | GGGG                  |                     |                      | 183                   | 34                   |
| 04717E                      | 5434N |      | 2588-07042        | 00000/0000                   | 2-20032/0506                | 09/01/76         | 0                   | 8193            | 39.0         | 145.3        | GGGG                  |                     |                      | 185                   | 22                   |
| 04717E                      | 5426N |      | 2480-07072        | 00000/0000                   | 2-20025/0487                | 05/16/76         | 10                  | 6687            | 49.9         | 141.9        | GGGG                  |                     |                      | 185                   | 22                   |
| 04717E                      | 4844N |      | 2532-06561        | 00000/0000                   | 2-20028/0861                | 07/07/76         | 50                  | 7412            | 54.8         | 127.4        | GGGG                  |                     |                      | 183                   | 26                   |
| 04717E                      | 4840N |      | 2514-06564        | 00000/0000                   | 2-20026/1885                | 06/19/76         | 90                  | 7161            | 56.1         | 127.7        | GGGG                  |                     |                      | 183                   | 26                   |
| 04717E                      | 3722N |      | 2619-06394        | 00000/0000                   | 2-20034/0138                | 10/02/76         | 10                  | 8625            | 40.4         | 139.0        | GGGG                  |                     |                      | 180                   | 34                   |
| 04716E                      | 5432N |      | 2570-07045        | 00000/0000                   | 2-20030/1250                | 08/14/76         | 40                  | 7942            | 44.4         | 141.2        | GGGG                  |                     |                      | 185                   | 22                   |
| 04716E                      | 5427N |      | 2426-07045        | 00000/0000                   | 2-20022/0533                | 03/23/76         | 30                  | 5934            | 32.2         | 147.5        | GGGG                  |                     |                      | 185                   | 22                   |
| 04716E                      | 5138N |      | 2479-07022        | 00000/0000                   | 2-20025/0499                | 05/15/76         | 10                  | 6673            | 51.4         | 138.2        | GGGG                  |                     |                      | 184                   | 24                   |
| 04716E                      | 4843N |      | 2658-06521        | 00000/0000                   | 2-20036/0256                | 11/10/76         | 90                  | 9169            | 20.3         | 153.9        | GGGG                  |                     |                      | 183                   | 26                   |
| 04715E                      | 5429N |      | 2606-07035        | 00000/0000                   | 2-20032/1576                | 09/19/76         | 10                  | 8444            | 33.1         | 149.5        | GGFG                  |                     |                      | 185                   | 22                   |
| 04715E                      | 5142N |      | 2569-07000        | 00000/0000                   | 2-20030/1156                | 08/13/76         | 30                  | 7928            | 46.3         | 137.5        | GGGG                  |                     |                      | 184                   | 24                   |
| 04715E                      | 5141N |      | 2695-06553        | 00000/0000                   | 2-20037/1118                | 12/17/76         | 50                  | 9685            | 11.1         | 154.1        | GGGG                  |                     |                      | 184                   | 24                   |
| 04715E                      | 5139N |      | 2425-07040        | 00000/0000                   | 2-20022/0404                | 03/22/76         | 90                  | 5920            | 33.7         | 145.1        | FGGG                  |                     |                      | 184                   | 24                   |
| 04714E                      | 4844N |      | 2622-06533        | 00000/0000                   | 2-20034/0363                | 10/05/76         | 80                  | 8667            | 31.7         | 148.6        | GGGG                  |                     |                      | 183                   | 26                   |
| 04713E                      | 5144N |      | 2587-06593        | 00000/0000                   | 2-20032/0369                | 08/31/76         | 10                  | 8179            | 41.2         | 142.1        | GGGG                  |                     |                      | 184                   | 24                   |
| 04713E                      | 5133N |      | 2497-07020        | 00000/0000                   | 2-20026/0622                | 06/02/76         | 10                  | 6924            | 54.1         | 134.8        | GGGG                  |                     |                      | 184                   | 24                   |
| 04712E                      | 5420N |      | 2498-07065        | 00000/0000                   | 2-20026/0686                | 06/03/76         | 10                  | 6938            | 52.7         | 139.0        | GGFG                  |                     |                      | 185                   | 22                   |
| 04712E                      | 5139N |      | 2605-06590        | 00000/0000                   | 2-20032/1480                | 09/18/76         | 90                  | 8430            | 35.4         | 146.8        | GGGG                  |                     |                      | 184                   | 24                   |
| 04712E                      | 5132N |      | 2533-07010        | 00000/0000                   | 2-20028/0916                | 07/08/76         | 80                  | 7426            | 53.4         | 131.8        | GGGG                  |                     |                      | 184                   | 24                   |
| 04711E                      | 5419N |      | 2660-07020        | 00000/0000                   | 2-20036/0953                | 11/12/76         | 10                  | 9197            | 15.2         | 157.0        | GGGG                  |                     |                      | 185                   | 22                   |
| 04711E                      | 5418N |      | 2516-07062        | 00000/0000                   | 2-20027/0060                | 06/21/76         | 30                  | 7189            | 53.3         | 136.7        | GGGG                  |                     |                      | 183                   | 22                   |
| 04711E                      | 5416N |      | 2372-07102        | 00000/0000                   | 2-20020/0535                | 01/29/76         | 100                 | 5181            | 13.6         | 152.3        | GGGF                  |                     |                      | 185                   | 22                   |
| 04711E                      | 5134N |      | 2551-07003        | 00000/0000                   | 2-20030/0145                | 07/26/76         | 10                  | 7677            | 50.5         | 133.7        | GGGG                  |                     |                      | 184                   | 24                   |
| 04711E                      | 5128N |      | 2371-07052        | 00000/0000                   | 2-20020/0476                | 01/23/76         | 100                 | 5167            | 15.5         | 150.9        | GGGG                  |                     |                      | 184                   | 24                   |
| 04711E                      | 1554N |      | 2417-06284        | 00000/0000                   | 2-20021/1657                | 03/14/76         | 0                   | 5808            | 48.3         | 112.8        | GGGG                  |                     |                      | 174                   | 49                   |
| 04710E                      | 5420N |      | 2642-07024        | 00000/0000                   | 2-20035/0116                | 10/25/76         | 70                  | 8946            | 20.7         | 155.8        | GGGG                  |                     |                      | 185                   | 22                   |
| 04710E                      | 5419N |      | 2624-07032        | 00000/0000                   | 2-20034/0495                | 10/07/76         | 100                 | 8695            | 26.9         | 153.1        | GGGG                  |                     |                      | 185                   | 22                   |
| 04710E                      | 5134N |      | 2677-06562        | 00000/0000                   | 2-20037/0608                | 11/29/76         | 100                 | 9434            | 13.5         | 155.5        | GGGG                  |                     |                      | 184                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FOR NON-US  
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| PRINCIPAL PAINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLSD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04710E                      | 5128N | 2515-07013 | 00000/0000        | 2-20027/0166                 | 06/20/76                    | 30               | 7175               | 54.8            | 132.2        |              | GGGG                               |                     |                      | 184                   | 24                   |
| 04709E                      | 6243N | 2556-07254 | 00000/0000        | 2-20030/0389                 | 07/31/76                    | 60               | 7747               | 42.7            | 149.9        |              | GGGG                               |                     |                      | 189                   | 16                   |
| 04709E                      | 5418N | 2534-07055 | 00000/0000        | 2-20028/1008                 | 07/09/76                    | 70               | 7440               | 51.9            | 136.2        |              | GGGG                               |                     |                      | 185                   | 22                   |
| 04709E                      | 5134N | 2623-06582 | 00000/0000        | 2-20034/0397                 | 10/06/76                    | 90               | 8651               | 29.3            | 150.9        |              | FGGF                               |                     |                      | 184                   | 24                   |
| 04708E                      | 6240N | 2502-07271 | 00000/0000        | 2-20026/0955                 | 06/07/76                    | 80               | 6994               | 47.8            | 151.1        |              | GGGG                               |                     |                      | 189                   | 16                   |
| 04708E                      | 5132N | 2641-06574 | 00000/0000        | 2-20034/1109                 | 10/24/76                    | 80               | 8932               | 23.2            | 153.9        |              | GGGG                               |                     |                      | 184                   | 24                   |
| 04708E                      | 4442N | 2459-06533 | 00000/0000        | 2-20024/0518                 | 04/25/76                    | 90               | 6394               | 50.1            | 132.9        |              | GGGG                               |                     |                      | 182                   | 29                   |
| 04708E                      | 1554N | 2399-06292 | 00000/0000        | 2-20021/0609                 | 02/25/76                    | 0                | 5557               | 44.0            | 120.7        |              | GGGG                               |                     |                      | 176                   | 49                   |
| 04707E                      | 5131N | 2659-06570 | 00000/0000        | 2-20036/0438                 | 11/11/76                    | 30               | 9183               | 17.7            | 155.4        |              | FGGG                               |                     |                      | 184                   | 24                   |
| 04706E                      | 5846N | 2464-07175 | 00000/0000        | 2-20024/1003                 | 04/30/76                    | 90               | 6464               | 43.0            | 149.5        |              | GGGG                               |                     |                      | 187                   | 19                   |
| 04706E                      | 5127N | 2389-07050 | 00000/0000        | 2-20020/1477                 | 02/15/76                    | 0                | 5418               | 20.5            | 148.6        |              | GGGF                               |                     |                      | 184                   | 24                   |
| 04705E                      | 5416N | 2408-07092 | 00000/0000        | 2-20021/1105                 | 03/05/76                    | 10               | 5683               | 25.3            | 148.6        |              | GGGG                               |                     |                      | 185                   | 22                   |
| 04705E                      | 5413N | 2390-07095 | 00000/0000        | 2-20020/1573                 | 02/16/76                    | 10               | 5432               | 18.8            | 150.2        |              | FGGG                               |                     |                      | 185                   | 22                   |
| 04704E                      | 6234N | 2520-07264 | 00000/0000        | 2-20028/0065                 | 06/25/76                    | 90               | 7245               | 48.2            | 149.3        |              | GGGG                               |                     |                      | 189                   | 16                   |
| 04704E                      | 5847N | 2446-07182 | 00000/0000        | 2-20023/0053                 | 04/12/76                    | 2                | 6213               | 36.9            | 150.6        |              | FGGG                               |                     |                      | 187                   | 19                   |
| 04704E                      | 4437N | 2441-06540 | 00000/0000        | 2-20022/1501                 | 04/07/76                    | 7                | 6143               | 44.2            | 136.4        |              | GGGG                               |                     |                      | 182                   | 29                   |
| 04704E                      | 4433N | 2477-06530 | 00000/0000        | 2-20025/0272                 | 05/13/76                    | 20               | 6645               | 54.6            | 128.3        |              | PGGG                               |                     |                      | 182                   | 29                   |
| 04704E                      | 3147N | 2582-06364 | 00000/0000        | 2-20032/0114                 | 08/26/76                    | 0                | 8109               | 51.9            | 116.6        |              | GGGG                               |                     |                      | 179                   | 38                   |
| 04703E                      | 3142N | 2492-06391 | 00000/0000        | 2-20026/0329                 | 05/28/76                    | 0                | 6854               | 59.5            | 101.5        |              | GGGG                               |                     |                      | 179                   | 38                   |
| 04702E                      | 6237N | 2538-07261 | 00000/0000        | 2-20028/1306                 | 07/13/76                    | 90               | 7496               | 46.4            | 148.8        |              | G                                  |                     |                      | 189                   | 16                   |
| 04702E                      | 3140N | 2528-06382 | 00000/0000        | 2-20028/0600                 | 07/03/76                    | 0                | 7356               | 58.4            | 97.4         |              | GGGG                               |                     |                      | 179                   | 38                   |
| 04701E                      | 5840N | 2590-07143 | 00000/0000        | 2-20032/0601                 | 09/03/76                    | 50               | 8221               | 35.5            | 150.2        |              | GGGG                               |                     |                      | 187                   | 19                   |
| 04701E                      | 4430N | 2675-06470 | 00000/0000        | 2-20036/1575                 | 11/27/76                    | 90               | 9406               | 19.5            | 152.2        |              | GGGG                               |                     |                      | 182                   | 29                   |
| 04701E                      | 3145N | 2690-06330 | 00000/0000        | 2-20037/0482                 | 12/12/76                    | 0                | 9615               | 26.7            | 145.8        |              | FGGG                               |                     |                      | 179                   | 38                   |
| 04700E                      | 4436N | 2693-06462 | 00000/0000        | 2-20037/0925                 | 12/15/76                    | 60               | 9637               | 16.7            | 151.2        |              | GGGG                               |                     |                      | 182                   | 29                   |
| 04700E                      | 4430N | 2531-06514 | 00000/0000        | 2-20028/0829                 | 07/06/76                    | 10               | 7398               | 56.5            | 120.3        |              | GGGG                               |                     |                      | 182                   | 29                   |
| 04700E                      | 4429N | 2495-06524 | 00000/0000        | 2-20026/0503                 | 05/31/76                    | 10               | 6896               | 57.1            | 123.7        |              | GGGG                               |                     |                      | 182                   | 29                   |
| 04700E                      | 3143N | 2600-06361 | 00000/0000        | 2-20032/1310                 | 09/13/76                    | 0                | 8360               | 48.4            | 125.5        |              | GGGG                               |                     |                      | 179                   | 38                   |
| 04700E                      | 3140N | 2654-06342 | 00000/0000        | 2-20036/0037                 | 11/06/76                    | 0                | 9113               | 34.2            | 144.2        |              | GGGG                               |                     |                      | 179                   | 38                   |
| 04659E                      | 5844N | 2572-07150 | 00000/0000        | 2-20030/1420                 | 08/16/76                    | 40               | 7970               | 41.2            | 146.7        |              | GGGG                               |                     |                      | 187                   | 19                   |
| 04659E                      | 4435N | 2433-06494 | 00000/0000        | 2-20032/0880                 | 09/16/76                    | 10               | 8402               | 40.7            | 139.9        |              | GGGG                               |                     |                      | 182                   | 29                   |
| 04659E                      | 4431N | 2549-06511 | 00000/0000        | 2-20030/0289                 | 07/24/76                    | 60               | 7649               | 53.9            | 122.9        |              | GGGG                               |                     |                      | 182                   | 29                   |
| 04659E                      | 4023N | 2458-06490 | 00000/0000        | 2-20024/0551                 | 04/24/76                    | 90               | 6380               | 51.8            | 127.5        |              | GGGG                               |                     |                      | 181                   | 32                   |
| 04658E                      | 5838N | 2482-07173 | 00000/0000        | 2-20025/0841                 | 05/18/76                    | 80               | 6715               | 47.6            | 147.5        |              | GGGG                               |                     |                      | 187                   | 19                   |
| 04658E                      | 4429N | 2639-06483 | 00000/0000        | 2-20034/1014                 | 10/22/76                    | 90               | 8904               | 29.3            | 149.3        |              | GGGG                               |                     |                      | 182                   | 29                   |

KEYS: CLSD COVER % ..... 0 TO 100 = % CLSD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 04658E                      | 4426N             | 2513-06521                              | 00000/0000       | 2-20026/1834        | 06/18/76        | 10           | 7147         | 57.7                  | 120.6               | GFGG                 | 182                   | 29                   |
| 04658E                      | 3142N             | 2618-06354                              | 00000/0000       | 2-20034/0212        | 10/01/76        | 40           | 8611         | 44.0                  | 123.6               | GGGG                 | 179                   | 28                   |
| 04657E                      | 4425N             | 2457-06475                              | 00000/0000       | 2-20034/0101        | 11/09/76        | 20           | 9155         | 23.9                  | 141.6               | GGGG                 | 182                   | 29                   |
| 04657E                      | 4023N             | 2440-06493                              | 00000/0000       | 2-20022/1427        | 04/06/76        | 90           | 6129         | 46.1                  | 132.1               | GFGG                 | 181                   | 32                   |
| 04656E                      | 4428N             | 2621-06490                              | 00000/0000       | 2-20034/0320        | 10/04/76        | 10           | 8653         | 35.1                  | 145.3               | FFGG                 | 182                   | 29                   |
| 04656E                      | 4022N             | 2584-06454                              | 00000/0000       | 2-20032/0161        | 08/28/76        | 0            | 8137         | 48.3                  | 128.5               | GGGG                 | 181                   | 32                   |
| 04655E                      | 4024N             | 2710-06410                              | 00000/0000       | 2-20038/0591        | 01/01/77        | 90           | 9894         | 19.3                  | 147.3               | GGGF                 | 181                   | 32                   |
| 04655E                      | 4017N             | 2476-06483                              | 00000/0000       | 2-20025/0181        | 05/12/76        | 10           | 6631         | 56.1                  | 121.9               | GGGG                 | 181                   | 32                   |
| 04655E                      | 3602N             | 2565-06414                              | 00000/0000       | 2-20030/0999        | 08/09/76        | 10           | 7872         | 53.7                  | 114.9               | GGGG                 | 180                   | 35                   |
| 04654E                      | 5836N             | 2554-07153                              | 00000/0000       | 2-20030/0360        | 07/29/76        | 40           | 7719         | 45.9                  | 143.9               | GGFG                 | 187                   | 19                   |
| 04654E                      | 4017N             | 2422-06501                              | 00000/0000       | 2-20022/0280        | 03/19/76        | 20           | 5878         | 39.7                  | 135.9               | GGGG                 | 181                   | 32                   |
| 04654E                      | 4013N             | 2494-06481                              | 00000/0000       | 2-20026/0433        | 05/30/76        | 90           | 6882         | 58.4                  | 116.5               | GGGF                 | 181                   | 32                   |
| 04654E                      | 3601N             | 2691-06372                              | 00000/0000       | 2-20037/0870        | 12/13/76        | 0            | 9629         | 23.4                  | 147.7               | GGGG                 | 180                   | 35                   |
| 04654E                      | 3558N             | 2493-06434                              | 00000/0000       | 2-20026/0410        | 05/29/76        | 10           | 6868         | 59.2                  | 109.1               | GGGG                 | 180                   | 35                   |
| 04654E                      | 3558N             | 2529-06424                              | 00000/0000       | 2-20028/0670        | 07/04/76        | 20           | 7370         | 58.3                  | 105.2               | GGGG                 | 180                   | 35                   |
| 04653E                      | 5837N             | 2428-07190                              | 00000/0000       | 2-20022/0639        | 03/25/76        | 0            | 5962         | 30.1                  | 151.2               | GGGG                 | 187                   | 19                   |
| 04653E                      | 4021N             | 2692-06415                              | 00000/0000       | 2-20037/0824        | 12/14/76        | 100          | 9643         | 20.1                  | 149.5               | GGGG                 | 181                   | 32                   |
| 04653E                      | 4020N             | 2728-06402                              | 00000/0000       | 2-20038/1517        | 01/19/77        | 90           | 145          | 20.8                  | 144.2               | GGGG                 | 181                   | 32                   |
| 04652E                      | 5834N             | 2500-07170                              | 00000/0000       | 2-20026/0847        | 06/05/76        | 90           | 6966         | 50.3                  | 145.0               | GGGG                 | 187                   | 19                   |
| 04652E                      | 4020N             | 2602-06451                              | 00000/0000       | 2-20032/1330        | 09/15/76        | 80           | 8388         | 43.5                  | 135.6               | FGGG                 | 181                   | 32                   |
| 04652E                      | 4015N             | 2674-06423                              | 00000/0000       | 2-20036/1358        | 11/26/76        | 50           | 9392         | 23.0                  | 150.3               | GGGG                 | 181                   | 32                   |
| 04652E                      | 4014N             | 2548-06464                              | 00000/0000       | 2-20028/1624        | 07/23/76        | 20           | 7635         | 55.4                  | 115.9               | FGGG                 | 181                   | 32                   |
| 04652E                      | 3558N             | 2601-06404                              | 00000/0000       | 2-20032/1116        | 09/14/76        | 20           | 8374         | 46.2                  | 130.7               | GGGG                 | 180                   | 35                   |
| 04651E                      | 4014N             | 2638-06440                              | 00000/0000       | 2-20034/0935        | 10/21/76        | 90           | 8890         | 32.7                  | 146.5               | GGGG                 | 181                   | 32                   |
| 04651E                      | 3556N             | 2655-06385                              | 00000/0000       | 2-20036/0053        | 11/07/76        | 20           | 9127         | 30.8                  | 146.9               | GGGG                 | 180                   | 35                   |
| 04650E                      | 5826N             | 2410-07193                              | 00000/0000       | 2-20021/1248        | 03/07/76        | 0            | 5711         | 23.0                  | 151.8               | GGGG                 | 187                   | 19                   |
| 04650E                      | 4731N             | 2460-06582                              | 00000/0000       | 2-20024/1168        | 04/26/76        | 90           | 6408         | 48.9                  | 136.2               | GGGG                 | 183                   | 27                   |
| 04650E                      | 4015N             | 2620-06444                              | 00000/0000       | 2-20034/0252        | 10/03/76        | 50           | 8639         | 38.3                  | 141.7               | GGGG                 | 181                   | 32                   |
| 04650E                      | 4009N             | 2512-06474                              | 00000/0000       | 2-20024/1743        | 06/17/76        | 10           | 7133         | 58.8                  | 113.0               | GGGG                 | 181                   | 32                   |
| 04650E                      | 3556N             | 2619-06401                              | 00000/0000       | 2-20034/0189        | 10/02/76        | 0            | 8625         | 41.3                  | 137.8               | GGGG                 | 180                   | 35                   |
| 04650E                      | 3540N             | 2457-06444                              | 00000/0000       | 2-20025/0525        | 04/23/76        | 50           | 6352         | 53.5                  | 121.2               | GGGG                 | 180                   | 35                   |
| 04650E                      | 1428N             | 2417-06291                              | 00000/0000       | 2-20021/1658        | 03/14/76        | 10           | 5808         | 48.6                  | 111.1               | GGGG                 | 174                   | 50                   |
| 04649E                      | 5828N             | 2518-07163                              | 00000/0000       | 2-20028/0091        | 06/23/76        | 60           | 7217         | 50.9                  | 143.0               | GGGG                 | 187                   | 19                   |
| 04649E                      | 4011N             | 2656-06432                              | 00000/0000       | 2-20036/0063        | 11/08/76        | 90           | 9141         | 27.4                  | 149.3               | FGGG                 | 181                   | 32                   |
| 04648E                      | 4725N             | 2478-06575                              | 00000/0000       | 2-20025/0452        | 05/14/76        | 30           | 6659         | 53.4                  | 132.3               | GGGG                 | 183                   | 27                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04648E                                  | 1428N             | 2339-06294                                         | 00000/0000       | 2-20021/0610        | 02/25/76        | 10           | 5557         | 44.5                               | 119.4               | GGGG                 | 176                   | 50                   |
| 04647E                                  | 5829N             | 2536-07160                                         | 00000/0000       | 2-20028/1042        | 07/11/76        | 60           | 7468         | 49.3                               | 142.5               | GGGG                 | 187                   | 19                   |
| 04647E                                  | 4730N             | 2442-06585                                         | 00000/0000       | 2-20022/1487        | 04/08/76        | 0            | 6157         | 42.9                               | 139.2               | GGGG                 | 183                   | 27                   |
| 04647E                                  | 4729N             | 2712-06502                                         | 00000/0000       | 2-20038/0579        | 01/03/77        | 0            | 9922         | 14.1                               | 150.1               | GGGG                 | 183                   | 27                   |
| 04645E                                  | 4728N             | 2694-06511                                         | 00000/0000       | 2-20037/1072        | 12/16/76        | 80           | 9671         | 14.4                               | 152.3               | FGGG                 | 183                   | 27                   |
| 04645E                                  | 4723N             | 2424-06593                                         | 00000/0000       | 2-20022/0302        | 03/21/76        | 100          | 5906         | 36.1                               | 141.6               | FGGG                 | 183                   | 27                   |
| 04644E                                  | 4727N             | 2730-06494                                         | 00000/0000       | 2-20038/1645        | 01/21/77        | 0            | 173          | 16.2                               | 147.2               | GGGG                 | 183                   | 27                   |
| 04644E                                  | 4726N             | 2568-06553                                         | 00000/0000       | 2-20030/1091        | 08/12/76        | 10           | 7914         | 48.8                               | 131.8               | GGGG                 | 183                   | 27                   |
| 04643E                                  | 4729N             | 2586-06550                                         | 00000/0000       | 2-20032/0400        | 08/30/76        | 90           | 8165         | 44.0                               | 137.3               | GGGG                 | 183                   | 27                   |
| 04643E                                  | 4727N             | 2604-06543                                         | 00000/0000       | 2-20034/0289        | 09/17/76        | 40           | 8416         | 38.6                               | 142.8               | GGGG                 | 183                   | 27                   |
| 04643E                                  | 4721N             | 2496-06573                                         | 00000/0000       | 2-20026/0127        | 06/01/76        | 10           | 6910         | 56.1                               | 128.3               | FGGG                 | 183                   | 27                   |
| 04641E                                  | 5557N             | 2463-07130                                         | 00000/0000       | 2-20024/0926        | 04/29/76        | 10           | 6450         | 44.6                               | 146.1               | FGGG                 | 183                   | 27                   |
| 04641E                                  | 4722N             | 2676-06515                                         | 00000/0000       | 2-20036/1582        | 11/28/76        | 20           | 9420         | 17.0                               | 153.5               | FGGG                 | 183                   | 27                   |
| 04641E                                  | 4720N             | 2532-06563                                         | 00000/0000       | 2-20028/0862        | 07/07/76        | 10           | 7412         | 55.4                               | 125.1               | GGGG                 | 183                   | 27                   |
| 04641E                                  | 4715N             | 2514-06570                                         | 00000/0000       | 2-20026/1886        | 06/19/76        | 90           | 7161         | 56.7                               | 125.3               | GGGG                 | 183                   | 27                   |
| 04640E                                  | 5557N             | 2589-07094                                         | 00000/0000       | 2-20032/0638        | 09/02/76        | 0            | 8207         | 37.8                               | 147.0               | GGG                  | 184                   | 21                   |
| 04640E                                  | 5022N             | 2461-07031                                         | 00000/0000       | 2-20024/0657        | 04/27/76        | 10           | 6422         | 47.5                               | 139.6               | GGGG                 | 184                   | 25                   |
| 04640E                                  | 4719N             | 2658-06524                                         | 00000/0000       | 2-20036/0257        | 11/10/76        | 90           | 9169         | 21.4                               | 153.2               | GGGG                 | 183                   | 27                   |
| 04639E                                  | 4718N             | 2640-06532                                         | 00000/0000       | 2-20034/0975        | 10/23/76        | 80           | 8918         | 26.8                               | 151.2               | GGGG                 | 183                   | 27                   |
| 04638E                                  | 5554N             | 2571-07101                                         | 00000/0000       | 2-20030/1335        | 08/15/76        | 60           | 7986         | 43.3                               | 143.1               | GGGG                 | 186                   | 21                   |
| 04638E                                  | 4719N             | 2622-06540                                         | 00000/0000       | 2-20034/1364        | 10/05/76        | 90           | 8667         | 32.8                               | 147.6               | GGGG                 | 183                   | 27                   |
| 04637E                                  | 6009N             | 2465-07231                                         | 00000/0000       | 2-20024/1118        | 05/01/76        | 60           | 6478         | 42.3                               | 151.1               | GGGG                 | 188                   | 18                   |
| 04637E                                  | 5550N             | 2553-07104                                         | 00000/0000       | 2-20030/0349        | 07/28/76        | 20           | 7705         | 47.8                               | 139.9               | GGGG                 | 186                   | 21                   |
| 04637E                                  | 5310N             | 2462-07081                                         | 00000/0000       | 2-20024/0790        | 04/28/76        | 10           | 6436         | 46.1                               | 142.8               | FGGG                 | 185                   | 23                   |
| 04636E                                  | 5311N             | 2444-07084                                         | 00000/0000       | 2-20022/1830        | 04/10/76        | 0            | 6185         | 40.0                               | 144.8               | GGGG                 | 185                   | 23                   |
| 04635E                                  | 5014N             | 2479-07025                                         | 00000/0000       | 2-20025/0500        | 05/15/76        | 10           | 6673         | 52.2                               | 136.2               | GGGG                 | 184                   | 25                   |
| 04635E                                  | 4316N             | 2459-06535                                         | 00000/0000       | 2-20024/0519        | 04/25/76        | 90           | 6394         | 50.8                               | 131.0               | GGGG                 | 182                   | 30                   |
| 04634E                                  | 5550N             | 2607-07091                                         | 00000/0000       | 2-20032/1653        | 09/20/76        | 0            | 8458         | 31.7                               | 151.0               | GGGG                 | 184                   | 21                   |
| 04634E                                  | 5017N             | 2635-06560                                         | 00000/0000       | 2-20037/1119        | 12/17/76        | 90           | 9685         | 12.2                               | 153.5               | GGGG                 | 184                   | 25                   |
| 04633E                                  | 6006N             | 2573-07202                                         | 00000/0000       | 2-20030/1646        | 08/17/76        | 30           | 7984         | 40.0                               | 148.5               | GGGG                 | 188                   | 18                   |
| 04633E                                  | 5547N             | 2625-07083                                         | 00000/0000       | 2-20034/0560        | 10/08/76        | 90           | 8709         | 25.4                               | 154.4               | FFGG                 | 186                   | 21                   |
| 04633E                                  | 5019N             | 2587-06595                                         | 00000/0000       | 2-20032/0370        | 08/31/76        | 0            | 8179         | 42.1                               | 140.6               | GGGG                 | 184                   | 25                   |
| 04632E                                  | 5544N             | 2643-07075                                         | 00000/0000       | 2-20035/0124        | 10/26/76        | 100          | 8960         | 19.2                               | 156.8               | GGGG                 | 186                   | 21                   |
| 04632E                                  | 5311N             | 2588-07044                                         | 00000/0000       | 2-20032/0507        | 09/01/76        | 0            | 8193         | 39.9                               | 143.9               | GGGG                 | 185                   | 23                   |
| 04632E                                  | 5301N             | 2480-07074                                         | 00000/0000       | 2-20025/0488        | 05/16/76        | 30           | 6687         | 50.8                               | 140.0               | GGGG                 | 185                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04632E 5014N                            | 2605-06592        | 00000/0000                   | 2-20032/1481                | 09/18/76         | 100                 | 8430            | 36.4         | 145.6        | GGGG                               |                     |                      | 184                   | 25                   |
| 04632E 5009N                            | 2497-07022        | 00000/0000                   | 2-20026/0623                | 06/02/76         | 10                  | 6924            | 54.9         | 132.8        | GGGG                               |                     |                      | 184                   | 25                   |
| 04632E 4313N                            | 2711-06460        | 00000/0000                   | 2-20038/0476                | 01/02/77         | 20                  | 9908            | 17.2         | 148.4        | GGGG                               |                     |                      | 182                   | 30                   |
| 04631E 5308N                            | 2570-07051        | 00000/0000                   | 2-20030/1251                | 08/14/76         | 50                  | 7942            | 45.2         | 139.5        | GGGG                               |                     |                      | 185                   | 23                   |
| 04631E 5010N                            | 2551-07005        | 00000/0000                   | 2-20030/0146                | 07/26/76         | 10                  | 7677            | 51.2         | 131.7        | GGGG                               |                     |                      | 184                   | 25                   |
| 04631E 5007N                            | 2533-07012        | 00000/0000                   | 2-20028/0917                | 07/08/76         | 50                  | 7426            | 54.1         | 129.6        | GGGG                               |                     |                      | 184                   | 23                   |
| 04631E 4308N                            | 2477-06533        | 00000/0000                   | 2-20025/0273                | 05/13/76         | 70                  | 6645            | 55.2         | 126.1        | FGGG                               |                     |                      | 182                   | 30                   |
| 04630E 5543N                            | 2535-07111        | 00000/0000                   | 2-20028/1074                | 07/10/76         | 40                  | 7454            | 51.0         | 138.3        | GGGG                               |                     |                      | 186                   | 21                   |
| 04630E 5542N                            | 2661-07071        | 00000/0000                   | 2-20036/0959                | 11/13/76         | 100                 | 9211            | 13.8         | 157.8        | GGGG                               |                     |                      | 186                   | 21                   |
| 04630E 5540N                            | 2517-07114        | 00000/0000                   | 2-20027/0305                | 06/22/76         | 80                  | 7203            | 52.6         | 138.7        | GGGG                               |                     |                      | 184                   | 21                   |
| 04630E 5303N                            | 2426-07091        | 00000/0000                   | 2-20022/0534                | 03/23/76         | 80                  | 5934            | 33.2         | 146.3        | GGGG                               |                     |                      | 185                   | 23                   |
| 04630E 5003N                            | 2515-07020        | 00000/0000                   | 2-20027/0167                | 06/20/76         | 20                  | 7175            | 55.5         | 129.9        | GGGG                               |                     |                      | 184                   | 25                   |
| 04629E 5305N                            | 2606-07041        | 00000/0000                   | 2-20032/1577                | 09/19/76         | 30                  | 8444            | 34.1         | 148.3        | GGGG                               |                     |                      | 185                   | 23                   |
| 04629E 5009N                            | 2623-06585        | 00000/0000                   | 2-20034/0398                | 10/06/76         | 90                  | 8681            | 30.3         | 149.9        | FGGF                               |                     |                      | 184                   | 25                   |
| 04629E 4311N                            | 2729-06452        | 00000/0000                   | 2-20038/1653                | 01/20/77         | 30                  | 159             | 19.0         | 145.4        | GGGG                               |                     |                      | 182                   | 30                   |
| 04629E 3436N                            | 2665-06421        | 00000/0000                   | 2-20030/1000                | 08/09/76         | 20                  | 7872            | 54.0         | 112.8        | GGGF                               |                     |                      | 180                   | 36                   |
| 04628E 5008N                            | 2641-06581        | 00000/0000                   | 2-20034/1110                | 10/24/76         | 90                  | 8932            | 24.3         | 153.0        | GGGG                               |                     |                      | 184                   | 25                   |
| 04628E 5007N                            | 2659-06573        | 00000/0000                   | 2-20036/0439                | 11/11/76         | 10                  | 9183            | 18.9         | 154.7        | FGFG                               |                     |                      | 184                   | 25                   |
| 04628E 4305N                            | 2531-06520        | 00000/0000                   | 2-20028/0830                | 07/06/76         | 10                  | 7398            | 56.9         | 117.8        | GGGG                               |                     |                      | 182                   | 30                   |
| 04628E 4305N                            | 2675-06473        | 00000/0000                   | 2-20036/1389                | 11/27/76         | 90                  | 9406            | 20.6         | 151.6        | GGGG                               |                     |                      | 182                   | 30                   |
| 04628E 4303N                            | 2495-06530        | 00000/0000                   | 2-20026/0504                | 05/31/76         | 10                  | 6896            | 57.6         | 121.2        | GGGG                               |                     |                      | 182                   | 30                   |
| 04628E 3435N                            | 2691-06375        | 00000/0000                   | 2-20037/0871                | 12/13/76         | 0                   | 9629            | 24.5         | 147.1        | FFGF                               |                     |                      | 180                   | 36                   |
| 04628E 3433N                            | 2529-06431        | 00000/0000                   | 2-20028/0671                | 07/04/76         | 0                   | 7370            | 58.4         | 102.6        | GGGG                               |                     |                      | 180                   | 36                   |
| 04628E 3432N                            | 2493-06441        | 00000/0000                   | 2-20026/0411                | 05/29/76         | 0                   | 6868            | 59.4         | 106.4        | GGGF                               |                     |                      | 180                   | 36                   |
| 04627E 5257N                            | 2498-07071        | 00000/0000                   | 2-20026/0687                | 06/03/76         | 20                  | 6938            | 53.5         | 136.8        | GGFG                               |                     |                      | 185                   | 23                   |
| 04627E 5253N                            | 2372-07104        | 00000/0000                   | 2-20020/0536                | 01/29/76         | 100                 | 5181            | 14.7         | 151.5        | GGGG                               |                     |                      | 185                   | 23                   |
| 04627E 4310N                            | 2693-06464        | 00000/0000                   | 2-20037/0926                | 12/15/76         | 70                  | 9657            | 17.8         | 150.6        | FGGG                               |                     |                      | 182                   | 30                   |
| 04626E 6000N                            | 2555-07205        | 00000/0000                   | 2-20030/0568                | 07/30/76         | 40                  | 7733            | 44.8         | 145.9        | GGGG                               |                     |                      | 188                   | 18                   |
| 04626E 5956N                            | 2501-07222        | 00000/0000                   | 2-20026/0884                | 06/06/76         | 20                  | 6980            | 49.5         | 147.0        | GGGG                               |                     |                      | 188                   | 18                   |
| 04626E 5255N                            | 2660-07022        | 00000/0000                   | 2-20036/0954                | 11/12/76         | 0                   | 9197            | 16.3         | 156.2        | GGGG                               |                     |                      | 185                   | 23                   |
| 04626E 5254N                            | 2516-07065        | 00000/0000                   | 2-20027/0215                | 06/21/76         | 20                  | 7189            | 54.1         | 134.4        | G B F                              |                     |                      | 185                   | 23                   |
| 04626E 4309N                            | 2603-06500        | 00000/0000                   | 2-20032/0881                | 09/16/76         | 20                  | 8402            | 41.6         | 138.6        | GGGG                               |                     |                      | 182                   | 30                   |
| 04626E 4301N                            | 2513-06523        | 00000/0000                   | 2-20024/1835                | 06/18/76         | 0                   | 7147            | 58.1         | 118.1        | GGGG                               |                     |                      | 182                   | 30                   |
| 04626E 3858N                            | 2710-06413        | 00000/0000                   | 2-20038/0592                | 01/01/77         | 80                  | 9894            | 20.3         | 146.7        | GGGG                               |                     |                      | 181                   | 33                   |
| 04626E 3856N                            | 2584-06460        | 00000/0000                   | 2-20032/0162                | 08/28/76         | 0                   | 8137            | 48.9         | 126.8        | FGGG                               |                     |                      | 181                   | 33                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBNWJS  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04626E 3852N                            | 2476-06490        | 00000/0000                   | 2-20025/0182                | 05/12/76         | 10                  | 6631            | 56.6         | 119.6        | FGGG                               |                     |                      | 181                   | 33                   |
| 04625E 5256N                            | 2642-07030        | 00000/0000                   | 2-20035/0148                | 10/25/76         | 90                  | 8946            | 21.8         | 154.9        | GGGG                               |                     |                      | 185                   | 23                   |
| 04625E 4304N                            | 2639-06485        | 00000/0000                   | 2-20034/0994                | 10/22/76         | 90                  | 8904            | 30.3         | 148.4        | GGG                                |                     |                      | 182                   | 30                   |
| 04625E 4300N                            | 2657-06481        | 00000/0000                   | 2-20036/0102                | 11/09/76         | 30                  | 9155            | 25.0         | 150.9        | GGGG                               |                     |                      | 182                   | 30                   |
| 04625E 3852N                            | 2422-06503        | 00000/0000                   | 2-20027/0281                | 03/19/76         | 10                  | 5878            | 40.5         | 134.6        | GGGG                               |                     |                      | 181                   | 33                   |
| 04625E 3848N                            | 2494-06483        | 00000/0000                   | 2-20026/0434                | 05/30/76         | 40                  | 6882            | 58.7         | 114.0        | FGGF                               |                     |                      | 181                   | 33                   |
| 04625E 3433N                            | 2601-06411        | 00000/0000                   | 2-20032/1117                | 09/14/76         | 0                   | 8374            | 46.9         | 129.1        | GGGG                               |                     |                      | 180                   | 36                   |
| 04625E 1250N                            | 2381-06304        | 00000/0000                   | 2-20020/1089                | 02/07/76         | 30                  | 5306            | 41.8         | 124.9        | FGGG                               |                     |                      | 176                   | 51                   |
| 04624E 5255N                            | 2624-07034        | 00000/0000                   | 2-20034/0496                | 10/07/76         | 100                 | 8695            | 27.9         | 152.1        | GGGG                               |                     |                      | 185                   | 23                   |
| 04624E 5254N                            | 2534-07062        | 00000/0000                   | 2-20028/1009                | 07/09/76         | 50                  | 7440            | 52.6         | 134.0        | GGGG                               |                     |                      | 185                   | 23                   |
| 04624E 3855N                            | 2692-06421        | 00000/0000                   | 2-20037/0825                | 12/14/76         | 100                 | 9643            | 21.2         | 148.9        | GGGG                               |                     |                      | 181                   | 33                   |
| 04624E 3855N                            | 2728-06405        | 00000/0000                   | 2-20038/1518                | 01/19/77         | 70                  | 145             | 21.8         | 143.6        | GGGG                               |                     |                      | 181                   | 33                   |
| 04624E 3849N                            | 2548-06471        | 00000/0000                   | 2-20028/1625                | 07/23/76         | 10                  | 7635            | 55.7         | 113.6        | GGGG                               |                     |                      | 181                   | 33                   |
| 04624E 3414N                            | 2457-06451        | 00000/0000                   | 2-20025/0526                | 04/23/76         | 60                  | 6352            | 53.9         | 119.2        | GGGG                               |                     |                      | 180                   | 36                   |
| 04623E 4302N                            | 2621-06493        | 00000/0000                   | 2-20034/0321                | 10/04/76         | 20                  | 8653            | 36.1         | 144.2        | GGGG                               |                     |                      | 182                   | 30                   |
| 04623E 3854N                            | 2602-06453        | 00000/0000                   | 2-20032/1331                | 09/15/76         | 60                  | 8388            | 44.3         | 134.1        | GGGG                               |                     |                      | 181                   | 33                   |
| 04623E 3850N                            | 2674-06430        | 00000/0000                   | 2-20034/1359                | 11/26/76         | 20                  | 9392            | 24.0         | 149.6        | GGGG                               |                     |                      | 181                   | 33                   |
| 04623E 3430N                            | 26.9-06403        | 00000/0000                   | 2-20034/0190                | 10/02/76         | 0                   | 8625            | 42.1         | 136.6        | GGGG                               |                     |                      | 180                   | 36                   |
| 04622E 3849N                            | 2638-06442        | 00000/0000                   | 2-20034/0936                | 10/21/76         | 70                  | 8890            | 33.7         | 145.5        | GGGG                               |                     |                      | 181                   | 33                   |
| 04622E 3843N                            | 2512-06481        | 00000/0000                   | 2-20026/1784                | 06/17/76         | 10                  | 7133            | 59.0         | 110.3        | GGGG                               |                     |                      | 181                   | 33                   |
| 04621E 5954N                            | 2537-07212        | 00000/0000                   | 2-20028/1809                | 07/12/76         | 90                  | 7482            | 48.3         | 144.7        | FGGF                               |                     |                      | 188                   | 18                   |
| 04621E 5252N                            | 2408-07095        | 00000/0000                   | 2-20021/1106                | 03/05/76         | 70                  | 5683            | 26.2         | 147.6        | GGGG                               |                     |                      | 185                   | 23                   |
| 04621E 5250N                            | 2390-07102        | 00000/0000                   | 2-20020/1574                | 02/16/76         | 20                  | 5432            | 19.8         | 149.3        | GGGG                               |                     |                      | 185                   | 23                   |
| 04621E 3849N                            | 2620-06450        | 00000/0000                   | 2-20034/0253                | 10/03/76         | 10                  | 8639            | 39.2         | 140.6        | GGGG                               |                     |                      | 181                   | 33                   |
| 04620E 5950N                            | 2519-07215        | 00000/0000                   | 2-20027/0468                | 06/24/76         | 90                  | 7231            | 50.0         | 145.1        | GGGG                               |                     |                      | 188                   | 18                   |
| 04620E 3845N                            | 2656-06434        | 00000/0000                   | 2-20036/0064                | 11/08/76         | 40                  | 9141            | 28.5         | 148.6        | GGGG                               |                     |                      | 181                   | 33                   |
| 04615E 4606N                            | 2460-06585        | 00000/0000                   | 2-20024/1169                | 04/26/76         | 70                  | 6408            | 49.6         | 134.4        | GGGG                               |                     |                      | 183                   | 28                   |
| 04613E 4600N                            | 2478-06582        | 00000/0000                   | 2-20025/0453                | 05/14/76         | 10                  | 6659            | 54.1         | 130.2        | GGFG                               |                     |                      | 183                   | 28                   |
| 04612E 4604N                            | 2442-06592        | 00000/0000                   | 2-20022/1488                | 04/08/76         | 20                  | 6157            | 43.7         | 137.8        | GGGF                               |                     |                      | 183                   | 28                   |
| 04612E 4604N                            | 2712-06505        | 00000/0000                   | 2-20038/0580                | 01/03/77         | 0                   | 9922            | 15.2         | 149.4        | GGGG                               |                     |                      | 183                   | 28                   |
| 04612E 0547N                            | 2398-06263        | 00000/0000                   | 2-20021/0546                | 02/24/76         | 10                  | 5543            | 46.8         | 110.9        | GGGG                               |                     |                      | 175                   | 56                   |
| 04612E 6130N                            | 2466-07283        | 00000/0000                   | 2-20024/1176                | 05/02/76         | 100                 | 6492            | 41.6         | 152.8        | F                                  |                     |                      | 189                   | 17                   |
| 04611E 5723N                            | 2464-07182        | 00000/0000                   | 2-20024/1004                | 04/30/76         | 90                  | 6464            | 43.9         | 147.7        | GGGG                               |                     |                      | 187                   | 20                   |
| 04610E 6130N                            | 2574-07253        | 00000/0000                   | 2-20030/1386                | 08/18/76         | 60                  | 7998            | 38.7         | 150.5        | GGGG                               |                     |                      | 189                   | 17                   |
| 04610E 4603N                            | 2694-06513        | 00000/0000                   | 2-20037/1073                | 12/16/76         | 90                  | 9671            | 15.5         | 151.7        | GGGG                               |                     |                      | 183                   | 28                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, F=FAIR,  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 23, 177

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04610E                                  | 4603V             | 2730-06501                   | 00000/0000                  | 2-20038/1646     | 01/21/77            | 0               | 173          | 17.2         | 146.5                              | GGGF                |                      | 183                   | 28                   |
| 04610E                                  | 4558V             | 2424-06595                   | 00000/0000                  | 2-20022/0303     | 03/21/76            | 100             | 5906         | 37.0         | 140.4                              | FGFG                |                      | 183                   | 28                   |
| 04609E                                  | 5723V             | 2446-07185                   | 00000/0000                  | 2-20023/0054     | 04/12/76            | 0               | 6213         | 37.9         | 149.1                              | GGGG                |                      | 187                   | 20                   |
| 04609E                                  | 4601N             | 2568-06555                   | 00000/0000                  | 2-20030/1092     | 08/12/76            | 10              | 7914         | 49.5         | 130.0                              | GGGG                |                      | 183                   | 28                   |
| 04608E                                  | 4604V             | 2586-06552                   | 00000/0000                  | 2-20032/0401     | 08/30/76            | 90              | 8165         | 44.8         | 135.8                              | GGGG                |                      | 183                   | 28                   |
| 04608E                                  | 4602N             | 2604-06545                   | 00000/0000                  | 2-20034/0290     | 09/17/76            | 50              | 8416         | 39.5         | 141.6                              | GGGG                |                      | 183                   | 28                   |
| 04608E                                  | 4556V             | 2496-06575                   | 00000/0000                  | 2-20026/0128     | 06/01/76            | 10              | 6910         | 56.7         | 125.9                              | GGGG                |                      | 183                   | 28                   |
| 04607E                                  | 4555N             | 2532-06570                   | 00000/0000                  | 2-20028/0863     | 07/07/76            | 0               | 7412         | 55.9         | 122.7                              | GGGG                |                      | 183                   | 28                   |
| 04606E                                  | 5723N             | 2590-07145                   | 00000/0000                  | 2-20032/0602     | 09/03/76            | 50              | 8221         | 36.5         | 148.7                              | GGGG                |                      | 187                   | 20                   |
| 04606E                                  | 4557N             | 2676-06522                   | 00000/0000                  | 2-20036/1583     | 11/28/76            | 60              | 9420         | 18.1         | 152.9                              | FGPG                |                      | 183                   | 28                   |
| 04606E                                  | 4550V             | 2514-06573                   | 00000/0000                  | 2-20026/1887     | 06/19/76            | 60              | 7161         | 57.2         | 122.9                              | GGGG                |                      | 183                   | 28                   |
| 04606E                                  | 1721N             | 2418-06340                   | 00000/0000                  | 2-20021/1676     | 03/15/76            | 0               | 5822         | 48.2         | 114.0                              | FGGG                |                      | 177                   | 48                   |
| 04606E                                  | 1135V             | 2399-06303                   | 00000/0000                  | 2-20021/0611     | 02/25/76            | 10              | 5557         | 45.5         | 116.5                              | GGGG                |                      | 176                   | 52                   |
| 04605E                                  | 4554N             | 2658-06530                   | 00000/0000                  | 2-20036/0258     | 11/10/76            | 70              | 9169         | 22.5         | 152.5                              | GGGG                |                      | 183                   | 28                   |
| 04604E                                  | 5720V             | 2572-07152                   | 00000/0000                  | 2-20030/1421     | 08/16/76            | 70              | 7970         | 42.1         | 145.0                              | FFFF                |                      | 187                   | 20                   |
| 04604E                                  | 5714V             | 2482-07175                   | 00000/0000                  | 2-20025/0842     | 05/18/76            | 70              | 6715         | 48.6         | 145.5                              | GGGG                |                      | 187                   | 20                   |
| 04604E                                  | 4554V             | 2640-06534                   | 00000/0000                  | 2-20034/0976     | 10/23/76            | 90              | 8918         | 27.9         | 150.4                              | GGGG                |                      | 183                   | 28                   |
| 04604E                                  | 4151V             | 2459-06542                   | 00000/0000                  | 2-20024/0520     | 04/25/76            | 40              | 6394         | 51.5         | 129.2                              | GGGG                |                      | 182                   | 31                   |
| 04604E                                  | 1719V             | 2400-06343                   | 00000/0000                  | 2-20021/0551     | 02/26/76            | 10              | 5571         | 43.7         | 121.7                              | FGGG                |                      | 177                   | 48                   |
| 04604E                                  | 1125V             | 2381-06310                   | 00000/0000                  | 2-20020/1090     | 02/07/76            | 70              | 5306         | 42.4         | 123.6                              | GGGG                |                      | 174                   | 52                   |
| 04603E                                  | 4554V             | 2622-06542                   | 00000/0000                  | 2-20034/0365     | 10/05/76            | 40              | 8667         | 33.8         | 146.6                              | FGGG                |                      | 183                   | 28                   |
| 04603E                                  | 3311V             | 2555-06423                   | 00000/0000                  | 2-20030/1031     | 08/09/76            | 10              | 7872         | 54.3         | 110.6                              | GGGG                |                      | 180                   | 37                   |
| 04602E                                  | 3310N             | 2631-06381                   | 00000/0000                  | 2-20037/0872     | 12/13/76            | 0               | 9629         | 25.5         | 146.4                              | GGGG                |                      | 180                   | 37                   |
| 04602E                                  | 3308V             | 2529-06433                   | 00000/0000                  | 2-20028/0672     | 07/04/76            | 0               | 7370         | 58.4         | 100.1                              | GGFG                |                      | 180                   | 37                   |
| 04601E                                  | 6122V             | 2556-07261                   | 00000/0000                  | 2-20030/0509     | 07/31/76            | 40              | 7747         | 43.7         | 147.9                              | GGG                 |                      | 189                   | 17                   |
| 04601E                                  | 4858V             | 2461-07034                   | 00000/0000                  | 2-20024/0658     | 04/27/76            | 10              | 6422         | 48.3         | 137.8                              | GGGG                |                      | 184                   | 26                   |
| 04601E                                  | 3306V             | 2493-06443                   | 00000/0000                  | 2-20026/0412     | 05/29/76            | 0               | 6868         | 59.5         | 103.8                              | GGGF                |                      | 180                   | 37                   |
| 04600E                                  | 6118V             | 2502-07274                   | 00000/0000                  | 2-20026/0959     | 06/07/76            | 40              | 6994         | 48.7         | 149.0                              | GGGG                |                      | 189                   | 17                   |
| 04600E                                  | 5714V             | 2458-07192                   | 00000/0000                  | 2-20027/0640     | 03/25/76            | 10              | 5962         | 31.0         | 149.9                              | GGGG                |                      | 187                   | 20                   |
| 04600E                                  | 4148V             | 2711-06462                   | 00000/0000                  | 2-20038/0477     | 01/02/77            | 70              | 9908         | 18.3         | 147.8                              | GGGG                |                      | 182                   | 31                   |
| 04600E                                  | 4142N             | 2477-06535                   | 00000/0000                  | 2-20025/0274     | 05/13/76            | 80              | 6645         | 55.8         | 123.9                              | FGGG                |                      | 182                   | 31                   |
| 04600E                                  | 3303V             | 2403-06471                   | 00000/0000                  | 2-20021/0872     | 02/29/76            | 90              | 5613         | 37.1         | 134.2                              | G GG                |                      | 180                   | 37                   |
| 04559E                                  | 6252N             | 2575-07305                   | 00000/0000                  | 2-20030/1456     | 08/19/76            | 80              | 8012         | 37.4         | 152.4                              | FGGG                |                      | 190                   | 16                   |
| 04559E                                  | 5712N             | 2608-07142                   | 00000/0000                  | 2-20032/1551     | 09/21/76            | 10              | 8472         | 30.4         | 152.4                              | FGGG                |                      | 187                   | 20                   |
| 04559E                                  | 3307N             | 2601-06413                   | 00000/0000                  | 2-20032/1118     | 09/14/76            | 0               | 8374         | 47.5         | 127.5                              | GGGG                |                      | 180                   | 37                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL No./<br>IN RBL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04558E 4849N                            | 2479-07031        | 00000/0000                   | 2-20025/0501               | 05/15/76         | 20                  | 6673            | 52.9         | 134.2        | GGGG                               |                     |                      | 184                   | 26                   |
| 04558E 4146N                            | 2729-06454        | 00000/0000                   | 2-20038/1654               | 01/20/77         | 70                  | 159             | 20.0         | 144.7        | GGGG                               |                     |                      | 182                   | 31                   |
| 04558E 3731N                            | 2584-06463        | 00000/0000                   | 2-20032/0163               | 08/28/76         | 0                   | 8137            | 49.5         | 125.0        | GGGG                               |                     |                      | 181                   | 34                   |
| 04557E 6254N                            | 2467-07335        | 00000/0000                   | 2-20024/0901               | 05/03/76         | 90                  | 6506            | 40.9         | 154.6        | GGGG                               |                     |                      | 190                   | 14                   |
| 04557E 6112N                            | 2520-07271        | 00000/0000                   | 2-20028/0066               | 06/25/76         | 90                  | 7245            | 49.1         | 147.1        | GGGG                               |                     |                      | 189                   | 17                   |
| 04557E 4140N                            | 2531-06523        | 00000/0000                   | 2-20028/0831               | 07/06/76         | 10                  | 7398            | 57.2         | 115.4        | GGGG                               |                     |                      | 182                   | 31                   |
| 04557E 4140N                            | 2675-06475        | 00000/0000                   | 2-20036/1390               | 11/27/76         | 90                  | 9406            | 21.7         | 150.9        | GGGG                               |                     |                      | 182                   | 31                   |
| 04557E 4138N                            | 2495-06533        | 00000/0000                   | 2-20026/0505               | 05/31/76         | 20                  | 6896            | 58.1         | 118.8        | FGGG                               |                     |                      | 182                   | 31                   |
| 04557E 3727N                            | 2422-06510        | 00000/0000                   | 2-20022/0282               | 03/19/76         | 0                   | 5878            | 41.2         | 133.3        | GGGG                               |                     |                      | 181                   | 34                   |
| 04557E 3726N                            | 2476-06492        | 00000/0000                   | 2-20025/0183               | 05/12/76         | 90                  | 6631            | 57.0         | 117.3        | GGGG                               |                     |                      | 181                   | 34                   |
| 04557E 3723N                            | 2494-06490        | 00000/0000                   | 2-20026/0435               | 05/30/76         | 50                  | 6882            | 59.0         | 111.4        | FGGG                               |                     |                      | 181                   | 34                   |
| 04557E 3305N                            | 2619-06410        | 00000/0000                   | 2-20034/0191               | 10/02/76         | 0                   | 8625            | 43.0         | 135.3        | GFGG                               |                     |                      | 180                   | 37                   |
| 04556E 6115N                            | 2538-07264        | 00000/0000                   | 2-20028/1292               | 07/13/76         | 90                  | 7496            | 47.3         | 146.7        | GGFG                               |                     |                      | 189                   | 17                   |
| 04556E 5709N                            | 2626-07135        | 00000/0000                   | 2-20034/0572               | 10/09/76         | 100                 | 8723            | 24.0         | 155.6        | GGGG                               |                     |                      | 187                   | 20                   |
| 04556E 5703N                            | 2410-07200        | 00000/0000                   | 2-20021/1249               | 03/07/76         | 0                   | 5711            | 24.0         | 150.6        | GGGG                               |                     |                      | 187                   | 20                   |
| 04556E 4145N                            | 2693-06471        | 00000/0000                   | 2-20037/0927               | 12/15/76         | 80                  | 9657            | 18.9         | 150.0        | FGGG                               |                     |                      | 182                   | 31                   |
| 04556E 3723N                            | 2548-06473        | 00000/0000                   | 2-20028/1626               | 07/23/76         | 0                   | 7635            | 56.0         | 111.2        | FGGG                               |                     |                      | 181                   | 34                   |
| 04555E 5705N                            | 2518-07170        | 00000/0000                   | 2-20028/0092               | 06/23/76         | 60                  | 7217            | 51.7         | 140.9        | GGGG                               |                     |                      | 187                   | 20                   |
| 04555E 5433N                            | 2445-07140        | 00000/0000                   | 2-20022/1779               | 04/11/76         | 70                  | 6199            | 39.5         | 146.2        | GGGG                               |                     |                      | 186                   | 22                   |
| 04555E 4852N                            | 2695-06562        | 00000/0000                   | 2-20037/1120               | 12/17/76         | 90                  | 9685            | 13.3         | 152.9        | GGGG                               |                     |                      | 184                   | 26                   |
| 04555E 4144N                            | 2603-06503        | 00000/0000                   | 2-20032/0882               | 09/16/76         | 20                  | 8402            | 42.5         | 137.3        | GGGG                               |                     |                      | 182                   | 31                   |
| 04555E 4136N                            | 2513-06530        | 00000/0000                   | 2-20026/1836               | 06/18/76         | 10                  | 7147            | 58.4         | 115.5        | GFGG                               |                     |                      | 182                   | 31                   |
| 04554E 5705N                            | 2536-07163        | 00000/0000                   | 2-20028/1043               | 07/11/76         | 60                  | 7468            | 50.1         | 140.4        | GGGG                               |                     |                      | 187                   | 20                   |
| 04554E 5146N                            | 2444-07090        | 00000/0000                   | 2-20022/1831               | 04/10/76         | 10                  | 6185            | 40.9         | 143.4        | GGGG                               |                     |                      | 185                   | 24                   |
| 04554E 5146N                            | 2462-07083        | 00000/0000                   | 2-20024/0791               | 04/28/76         | 40                  | 6436            | 47.0         | 141.1        | FGGG                               |                     |                      | 185                   | 24                   |
| 04554E 4854N                            | 2587-07002        | 00000/0000                   | 2-20032/0371               | 08/31/76         | 0                   | 8179            | 42.9         | 139.1        | GGGG                               |                     |                      | 184                   | 26                   |
| 04554E 4845N                            | 2497-07025        | 00000/0000                   | 2-20026/0624               | 06/02/76         | 10                  | 6924            | 55.5         | 130.3        | GGGG                               |                     |                      | 184                   | 26                   |
| 04554E 4139N                            | 2639-06492        | 00000/0000                   | 2-20034/0995               | 10/22/76         | 60                  | 8904            | 31.3         | 147.6        | GGGG                               |                     |                      | 182                   | 31                   |
| 04554E 3729N                            | 2602-06460        | 00000/0000                   | 2-20032/1332               | 09/15/76         | 10                  | 8388            | 45.1         | 132.7        | FGGG                               |                     |                      | 181                   | 34                   |
| 04554E 3717N                            | 2512-06483        | 00000/0000                   | 2-20026/1785               | 06/17/76         | 10                  | 7133            | 59.2         | 107.7        | GGGG                               |                     |                      | 181                   | 34                   |
| 04553E 5433N                            | 2463-07133        | 00000/0000                   | 2-20024/0927               | 04/29/76         | 60                  | 6450            | 45.5         | 144.4        | GGGG                               |                     |                      | 186                   | 22                   |
| 04553E 4849N                            | 2605-06595        | 00000/0000                   | 2-20032/1482               | 09/18/76         | 80                  | 8430            | 37.3         | 144.4        | FGGG                               |                     |                      | 184                   | 26                   |
| 04553E 4846N                            | 2551-07012        | 00000/0000                   | 2-20030/0147               | 07/26/76         | 10                  | 7677            | 51.9         | 129.6        | GGGG                               |                     |                      | 184                   | 26                   |
| 04553E 4845N                            | 2677-06571        | 00000/0000                   | 2-20036/0723               | 11/29/76         | 90                  | 9434            | 15.7         | 154.1        | GGGG                               |                     |                      | 184                   | 26                   |
| 04553E 4843N                            | 2533-07015        | 00000/0000                   | 2-20028/0918               | 07/08/76         | 40                  | 7426            | 54.7         | 127.4        | GGGG                               |                     |                      | 184                   | 26                   |

KEYS: CLOUD COVER % ..... 0 8 100 \* % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
COORDINATE LISTING -  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 04553E                      | 4136N             | 2621-06495            | 00000/0000           | 2-20034/0322     | 10/04/76            | 40              | 8653         | 37.0         | 143.1                 | GGGG                |                      | 182                   | 31                   |
| 04553E                      | 4135N             | 2657-06484            | 00000/0000           | 2-20036/0103     | 11/09/76            | 90              | 9155         | 26.1         | 150.2                 | GGGG                |                      | 182                   | 31                   |
| 04553E                      | 3723N             | 2620-06453            | 00000/0000           | 2-20034/0254     | 10/03/76            | 0               | 8639         | 40.1         | 139.4                 | GGGG                |                      | 181                   | 34                   |
| 04553E                      | 3720N             | 2368-06522            | 00000/0000           | 2-20020/0373     | 01/25/76            | 20              | 5125         | 25.1         | 144.3                 | FFGG                |                      | 181                   | 34                   |
| 04552E                      | 6812N             | 2471-07550            | 00000/0000           | 2-20024/1667     | 05/07/76            | 10              | 6562         | 37.9         | 162.5                 | GGGG                |                      | 194                   | 12                   |
| 04552E                      | 5433N             | 2589-07100            | 00000/0000           | 2-20032/0539     | 09/02/76            | 0               | 8207         | 38.7         | 145.6                 | GGGG                |                      | 186                   | 22                   |
| 04552E                      | 3721N             | 2656-06441            | 00000/0000           | 2-20036/0065     | 11/08/76            | 10              | 9141         | 29.5         | 147.8                 | GGGG                |                      | 181                   | 34                   |
| 04552E                      | 0421N             | 2398-06265            | 00000/0000           | 2-20021/0547     | 02/24/76            | 30              | 5543         | 47.1         | 109.3                 | GGGG                |                      | 175                   | 57                   |
| 04551E                      | 5430N             | 2571-07103            | 00000/0000           | 2-20030/1336     | 08/15/76            | 10              | 7956         | 44.1         | 141.4                 | GGGG                |                      | 186                   | 22                   |
| 04551E                      | 5428N             | 2481-07130            | 00000/0000           | 2-20025/0887     | 05/17/76            | 20              | 6701         | 50.1         | 141.8                 | GFGG                |                      | 186                   | 22                   |
| 04551E                      | 4839N             | 2515-07022            | 00000/0000           | 2-20027/0168     | 06/20/76            | 20              | 7175         | 56.1         | 127.6                 | GGGG                |                      | 184                   | 24                   |
| 04550E                      | 4845N             | 2623-06591            | 00000/0000           | 2-20034/0340     | 10/06/76            | 80              | 8681         | 31.4         | 148.9                 | GGGF                |                      | 184                   | 26                   |
| 04550E                      | 4843N             | 2641-06553            | 00000/0000           | 2-20034/1111     | 10/24/76            | 80              | 8932         | 25.4         | 152.2                 | FGGG                |                      | 184                   | 26                   |
| 04549E                      | 5426N             | 2553-07110            | 00000/0000           | 2-20030/0232     | 07/28/76            | 30              | 7705         | 48.6         | 138.0                 | GGGG                |                      | 186                   | 22                   |
| 04549E                      | 5146N             | 2588-07051            | 00000/0000           | 2-20032/0508     | 09/01/76            | 0               | 8193         | 40.9         | 142.4                 | GGGG                |                      | 185                   | 24                   |
| 04549E                      | 5137N             | 2480-07081            | 00000/0000           | 2-20025/0489     | 05/16/76            | 20              | 6687         | 51.6         | 138.0                 | GGGG                |                      | 185                   | 24                   |
| 04549E                      | 4842N             | 2659-06575            | 00000/0000           | 2-20036/0440     | 11/11/76            | 40              | 9183         | 20.0         | 154.0                 | GGG                 |                      | 184                   | 26                   |
| 04548E                      | 5139N             | 2426-07094            | 00000/0000           | 2-20027/0535     | 03/23/76            | 100             | 5934         | 34.1         | 145.1                 | GGGG                |                      | 185                   | 24                   |
| 04548E                      | 0413N             | 2380-06272            | 00000/0000           | 2-20020/1050     | 02/06/76            | 10              | 5292         | 44.9         | 117.4                 | GGGG                |                      | 175                   | 57                   |
| 04547E                      | 6245N             | 2557-07312            | 00000/0000           | 2-20030/0661     | 08/01/76            | 30              | 7761         | 42.5         | 150.0                 | GGGG                |                      | 190                   | 14                   |
| 04547E                      | 5140N             | 2606-07044            | 00000/0000           | 2-20032/1578     | 09/19/76            | 10              | 8444         | 35.1         | 147.1                 | GFGG                |                      | 185                   | 24                   |
| 04546E                      | 5427N             | 2607-07093            | 00000/0000           | 2-20032/1654     | 09/20/76            | 10              | 8458         | 32.7         | 149.7                 | GGGG                |                      | 186                   | 22                   |
| 04546E                      | 5424N             | 2625-07090            | 00000/0000           | 2-20034/0561     | 10/08/76            | 90              | 8709         | 26.4         | 153.4                 | GGGG                |                      | 186                   | 22                   |
| 04546E                      | 1009N             | 2399-06310            | 00000/0000           | 2-20021/0612     | 02/25/76            | 10              | 5557         | 45.9         | 115.0                 | GGGG                |                      | 176                   | 53                   |
| 04545E                      | 5420N             | 2643-07082            | 00000/0000           | 2-20035/0125     | 10/26/76            | 90              | 8960         | 20.3         | 155.9                 | GGGG                |                      | 186                   | 22                   |
| 04545E                      | 5419N             | 2499-07123            | 00000/0000           | 2-20026/0799     | 06/04/76            | 40              | 6952         | 52.8         | 138.8                 | GGGG                |                      | 186                   | 22                   |
| 04545E                      | 5133N             | 2498-07074            | 00000/0000           | 2-20026/0688     | 06/03/76            | 30              | 6938         | 54.2         | 134.4                 | GGFG                |                      | 185                   | 24                   |
| 04545E                      | 1555N             | 2418-06343            | 00000/0000           | 2-20021/1677     | 03/15/76            | 0               | 5822         | 48.5         | 112.3                 | FGGG                |                      | 177                   | 49                   |
| 04544E                      | 5130N             | 2516-07071            | 00000/0000           | 2-20027/0216     | 06/21/76            | 10              | 7189         | 54.8         | 132.2                 | FGFF                |                      | 185                   | 24                   |
| 04544E                      | 5129N             | 2372-07111            | 00000/0000           | 2-20020/0537     | 01/29/76            | 100             | 5181         | 15.7         | 150.7                 | GFGG                |                      | 185                   | 24                   |
| 04544E                      | 0958N             | 2381-06313            | 00000/0000           | 2-20020/1091     | 02/07/76            | 60              | 5306         | 43.0         | 122.4                 | FFGG                |                      | 176                   | 53                   |
| 04543E                      | 5420N             | 2535-07113            | 00000/0000           | 2-20028/1075     | 07/10/76            | 50              | 7454         | 51.8         | 136.2                 | GGGG                |                      | 186                   | 22                   |
| 04543E                      | 5418N             | 2661-07074            | 00000/0000           | 2-20036/0960     | 11/13/76            | 50              | 9211         | 14.9         | 157.0                 | GGGG                |                      | 184                   | 22                   |
| 04543E                      | 5416N             | 2517-07121            | 00000/0000           | 2-20027/0306     | 06/22/76            | 20              | 7203         | 53.3         | 136.5                 | GGGG                |                      | 186                   | 22                   |
| 04543E                      | 5132N             | 2642-07033            | 00000/0000           | 2-20035/0149     | 10/25/76            | 90              | 8946         | 22.9         | 154.0                 | GGGG                |                      | 185                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 04543E                      | 5131N             | 2660-07025            | 00000/0000           | 2-20036/0955     | 11/12/76            | 10              | 9197         | 17.5         | 155.5                 | GGGG                |                      | 185                   | 24                   |
| 04543E                      | 1553N             | 2400-06350            | 00000/0000           | 2-20021/0552     | 02/26/76            | 10              | 5571         | 44.3         | 120.3                 | GGGG                |                      | 177                   | 49                   |
| 04542E                      | 5131N             | 2624-07041            | 00000/0000           | 2-20034/0497     | 10/07/76            | 100             | 8695         | 29.0         | 151.1                 | GGGG                |                      | 185                   | 24                   |
| 04542E                      | 5130N             | 2534-07064            | 00000/0000           | 2-20028/1010     | 07/09/76            | 40              | 7440         | 53.3         | 131.8                 | GGGG                |                      | 185                   | 24                   |
| 04541E                      | 6238N             | 2503-07325            | 00000/0000           | 2-20024/0993     | 06/08/76            | 90              | 7008         | 47.9         | 151.0                 | GGGG                |                      | 190                   | 16                   |
| 04541E                      | 4441N             | 2460-06591            | 00000/0000           | 2-20024/1170     | 04/26/76            | 30              | 6408         | 50.4         | 132.6                 | GGGG                |                      | 183                   | 29                   |
| 04540E                      | 5126N             | 2390-07104            | 00000/0000           | 2-20020/1575     | 02/16/76            | 10              | 5432         | 20.8         | 148.4                 | GGGG                |                      | 185                   | 24                   |
| 04539E                      | 5845N             | 2465-07234            | 00000/0000           | 2-20024/1119     | 05/01/76            | 80              | 6478         | 43.3         | 149.4                 | GGFG                |                      | 188                   | 19                   |
| 04539E                      | 5128N             | 2408-07101            | 00000/0000           | 2-20021/1107     | 03/05/76            | 70              | 5683         | 37.2         | 146.6                 | GGGG                |                      | 185                   | 24                   |
| 04539E                      | 4435N             | 2478-06584            | 00000/0000           | 2-20025/0454     | 05/14/76            | 10              | 6659         | 54.8         | 128.1                 | GGGF                |                      | 183                   | 29                   |
| 04538E                      | 4438N             | 2442-06594            | 00000/0000           | 2-20027/1489     | 04/06/76            | 30              | 6157         | 44.5         | 136.3                 | GGFG                |                      | 183                   | 29                   |
| 04537E                      | 6236N             | 2712-06511            | 00000/0000           | 2-20038/0581     | 01/03/77            | 0               | 9922         | 16.2         | 148.8                 | GGGG                |                      | 190                   | 16                   |
| 04537E                      | 6235N             | 2521-07323            | 00000/0000           | 2-20028/1419     | 07/14/76            | 70              | 7510         | 46.2         | 148.8                 | GGGG                |                      | 190                   | 16                   |
| 04536E                      | 4438N             | 2694-06520            | 00000/0000           | 2-20028/0189     | 06/26/76            | 40              | 7239         | 48.1         | 149.3                 | GGGG                |                      | 183                   | 29                   |
| 04536E                      | 4438N             | 2730-06503            | 00000/0000           | 2-20037/1074     | 12/16/76            | 90              | 9671         | 16.6         | 151.1                 | FGGG                |                      | 183                   | 29                   |
| 04536E                      | 4436N             | 2568-06562            | 00000/0000           | 2-20038/1647     | 01/21/77            | 10              | 173          | 18.2         | 145.9                 | FGGG                |                      | 183                   | 29                   |
| 04536E                      | 4433N             | 2424-07007            | 00000/0000           | 2-20030/1093     | 08/12/76            | 20              | 7914         | 50.1         | 128.1                 | GGGG                |                      | 183                   | 29                   |
| 04535E                      | 4430N             | 2496-06582            | 00000/0000           | 2-20022/0304     | 03/21/76            | 100             | 5906         | 37.9         | 139.2                 | GGGG                |                      | 183                   | 29                   |
| 04534E                      | 5843N             | 2573-07204            | 00000/0000           | 2-20026/0129     | 06/01/76            | 0               | 6110         | 57.2         | 123.5                 | GGGG                |                      | 183                   | 29                   |
| 04534E                      | 4438N             | 2586-06555            | 00000/0000           | 2-20030/1647     | 08/17/76            | 30              | 7584         | 40.9         | 146.8                 | GGGG                |                      | 188                   | 19                   |
| 04534E                      | 4436N             | 2604-06552            | 00000/0000           | 2-20032/0402     | 08/30/76            | 90              | 8165         | 45.6         | 134.2                 | GGGG                |                      | 183                   | 29                   |
| 04534E                      | 4025N             | 2459-06544            | 00000/0000           | 2-20034/0291     | 09/17/76            | 70              | 8416         | 40.4         | 140.3                 | GGGG                |                      | 183                   | 29                   |
| 04534E                      | 3606N             | 2458-06502            | 00000/0000           | 2-20024/0521     | 04/25/76            | 40              | 6394         | 52.1         | 127.2                 | GGGG                |                      | 182                   | 32                   |
| 04533E                      | 4425N             | 2476-06524            | 00000/0000           | 2-20024/0552     | 04/24/76            | 30              | 6380         | 53.6         | 121.5                 | GGGG                |                      | 181                   | 35                   |
| 04533E                      | 4425N             | 2514-06575            | 00000/0000           | 2-20034/1584     | 11/28/76            | 90              | 9420         | 19.2         | 152.2                 | GGGF                |                      | 183                   | 29                   |
| 04532E                      | 4429N             | 2658-06533            | 00000/0000           | 2-20026/1888     | 06/19/76            | 50              | 7161         | 57.6         | 120.4                 | GGGG                |                      | 183                   | 29                   |
| 04532E                      | 0255N             | 2398-06272            | 00000/0000           | 2-20036/0259     | 11/10/76            | 70              | 9169         | 23.6         | 151.7                 | GGGG                |                      | 183                   | 29                   |
| 04521E                      | 4429N             | 2640-06541            | 00000/0000           | 2-20021/0548     | 02/24/76            | 40              | 5543         | 47.3         | 107.8                 | GGGG                |                      | 175                   | 58                   |
| 04530E                      | 4023N             | 2711-06585            | 00000/0000           | 2-20034/0977     | 10/23/76            | 90              | 8918         | 28.9         | 149.5                 | GGGG                |                      | 183                   | 29                   |
| 04530E                      | 4017N             | 2477-06542            | 00000/0000           | 2-20038/0478     | 01/02/77            | 90              | 9908         | 19.3         | 147.2                 | GGGG                |                      | 182                   | 32                   |
| 04530E                      | 3605N             | 2584-06465            | 00000/0000           | 2-20025/0270     | 05/13/76            | 70              | 6645         | 56.3         | 121.6                 | F G                 |                      | 182                   | 32                   |
| 04529E                      | 4428N             | 2622-06545            | 00000/0000           | 2-20032/0164     | 08/28/76            | 0               | 8137         | 50.1         | 123.2                 | GGGG                |                      | 181                   | 35                   |
| 04529E                      | 3601N             | 2422-06512            | 00000/0000           | 2-20034/0366     | 10/05/76            | 30              | 8667         | 34.8         | 145.5                 | GGFF                |                      | 183                   | 29                   |
| 04529E                      | 3558N             | 2548-06520            | 00000/0000           | 2-20022/0283     | 03/19/76            | 10              | 5878         | 42.0         | 132.0                 | GGGG                |                      | 181                   | 35                   |
|                             |                   |                       |                      | 2-20028/1627     | 07/23/76            | 0               | 7635         | 56.2         | 108.9                 | GGGG                |                      | 181                   | 35                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE G=GOOD P=POOR F=FAIR  
 MSS DATA MODE ..... (BLANK)=COMPRESSED L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04529E 3557N                            | 2434-06492        | 00000/0000                   | 2-20026/0436                | 05/30/76         | 40                  | 6882            | 59.2         | 108.8        | GGGF                               |                     |                      | 181                   | 35                   |
| 04528E 5833N                            | 2501-07224        | 00000/0000                   | 2-20026/0885                | 06/06/76         | 10                  | 6980            | 50.4         | 144.9        | GGGG                               |                     |                      | 188                   | 19                   |
| 04528E 4015N                            | 2531-06525        | 00000/0000                   | 2-20028/0832                | 07/06/76         | 10                  | 7398            | 57.5         | 112.9        | GGGG                               |                     |                      | 182                   | 32                   |
| 04528E 0247N                            | 2380-06275        | 00000/0000                   | 2-20020/1051                | 02/06/76         | 10                  | 5292            | 45.4         | 116.0        | GGGF                               |                     |                      | 175                   | 58                   |
| 04527E 4020N                            | 2729-06461        | 00000/0000                   | 2-20038/1655                | 01/20/77         | 30                  | 159             | 21.0         | 144.1        | GGGG                               |                     |                      | 182                   | 32                   |
| 04527E 4012N                            | 2495-06535        | 00000/0000                   | 2-20026/0506                | 06/31/76         | 20                  | 6896            | 58.5         | 116.2        | GGGG                               |                     |                      | 182                   | 32                   |
| 04527E 3603N                            | 2602-06462        | 00000/0000                   | 2-20032/1333                | 09/15/76         | 10                  | 8388            | 45.9         | 131.2        | GGGG                               |                     |                      | 181                   | 35                   |
| 04527E 3552N                            | 2512-06490        | 00000/0000                   | 2-20026/1786                | 06/17/76         | 0                   | 7133            | 59.4         | 105.1        | GGGG                               |                     |                      | 181                   | 35                   |
| 04526E 4019N                            | 2693-06473        | 00000/0000                   | 2-20037/0928                | 12/15/76         | 60                  | 9657            | 20.0         | 149.4        | GGGG                               |                     |                      | 182                   | 32                   |
| 04526E 4018N                            | 2603-06505        | 00000/0000                   | 2-20032/0883                | 09/16/76         | 10                  | 8402            | 43.3         | 135.9        | GGGG                               |                     |                      | 182                   | 32                   |
| 04526E 4014N                            | 2675-06482        | 00000/0000                   | 2-20036/1391                | 11/27/76         | 50                  | 9406            | 22.8         | 150.3        | GGG                                |                     |                      | 182                   | 32                   |
| 04525E 4733N                            | 2461-07040        | 00000/0000                   | 2-20024/0659                | 04/27/76         | 10                  | 6422            | 49.1         | 136.1        | GGGG                               |                     |                      | 184                   | 27                   |
| 04525E 4011N                            | 2513-06532        | 00000/0000                   | 2-20026/1837                | 06/18/76         | 10                  | 7147            | 58.8         | 112.9        | GGGF                               |                     |                      | 182                   | 32                   |
| 04525E 3558N                            | 2620-06455        | 00000/0000                   | 2-20034/0255                | 10/03/76         | 0                   | 8639            | 41.0         | 138.2        | GGGG                               |                     |                      | 181                   | 35                   |
| 04525E 3555N                            | 2368-06525        | 00000/0000                   | 2-20020/0374                | 01/25/76         | 30                  | 5125            | 26.1         | 143.6        | FFGG                               |                     |                      | 181                   | 35                   |
| 04524E 4014N                            | 2639-06494        | 00000/0000                   | 2-20034/0996                | 10/22/76         | 40                  | 8904            | 32.4         | 146.7        | GGGG                               |                     |                      | 182                   | 32                   |
| 04524E 3555N                            | 2656-06443        | 00000/0000                   | 2-20036/0066                | 11/08/76         | 10                  | 9141            | 30.6         | 147.0        | GGGG                               |                     |                      | 181                   | 35                   |
| 04523E 5831N                            | 2537-07214        | 00000/0000                   | 2-20028/1219                | 07/12/76         | 40                  | 7482            | 49.1         | 142.6        | FFGG                               |                     |                      | 188                   | 19                   |
| 04523E 4010N                            | 2657-06490        | 00000/0000                   | 2-20036/0104                | 11/09/76         | 20                  | 9155            | 27.1         | 149.4        | GGGG                               |                     |                      | 182                   | 32                   |
| 04523E 0831N                            | 2381-06315        | 00000/0000                   | 2-20020/1092                | 02/07/76         | 20                  | 5306            | 43.5         | 121.1        | FFGG                               |                     |                      | 176                   | 54                   |
| 04522E 5822N                            | 2519-07227        | 00000/0000                   | 2-20027/0469                | 06/24/76         | 70                  | 7231            | 50.8         | 142.9        | GGGG                               |                     |                      | 188                   | 19                   |
| 04522E 1426N                            | 2400-06352        | 00000/0000                   | 2-20021/0553                | 02/26/76         | 10                  | 5571            | 44.8         | 118.9        | GGGG                               |                     |                      | 177                   | 50                   |
| 04521E 4724N                            | 2479-07034        | 00000/0000                   | 2-20025/0502                | 05/15/76         | 20                  | 6673            | 53.6         | 132.1        | GGGG                               |                     |                      | 184                   | 27                   |
| 04520E 4728N                            | 2713-06560        | 00000/0000                   | 2-20038/0706                | 01/04/77         | 0                   | 9936            | 14.2         | 149.9        | GGGG                               |                     |                      | 184                   | 27                   |
| 04519E 5600N                            | 2464-07184        | 00000/0000                   | 2-20024/1005                | 04/30/76         | 90                  | 6464            | 44.9         | 146.0        | GGGG                               |                     |                      | 187                   | 21                   |
| 04519E 4728N                            | 2695-06565        | 00000/0000                   | 2-20037/1121                | 12/17/76         | 90                  | 9685            | 14.4         | 152.2        | GGGG                               |                     |                      | 184                   | 27                   |
| 04518E 5559N                            | 2446-07191        | 00000/0000                   | 2-20023/0055                | 04/12/76         | 0                   | 6213            | 38.9         | 147.6        | GGGG                               |                     |                      | 187                   | 21                   |
| 04517E 4729N                            | 2587-07004        | 00000/0000                   | 2-20032/0372                | 08/31/76         | 40                  | 8179            | 43.7         | 137.6        | GGGG                               |                     |                      | 184                   | 27                   |
| 04517E 4727N                            | 2731-06552        | 00000/0000                   | 2-20038/1681                | 01/22/77         | 80                  | 187             | 16.4         | 147.0        | FFFF                               |                     |                      | 184                   | 27                   |
| 04517E 4725N                            | 2605-07001        | 00000/0000                   | 2-20032/1483                | 09/18/76         | 30                  | 8430            | 38.3         | 143.1        | FFGG                               |                     |                      | 184                   | 27                   |
| 04517E 4721N                            | 2551-07014        | 00000/0000                   | 2-20030/0148                | 07/26/76         | 10                  | 7677            | 52.5         | 127.6        | FFGG                               |                     |                      | 184                   | 27                   |
| 04517E 4720N                            | 2497-07031        | 00000/0000                   | 2-20026/0625                | 06/02/76         | 10                  | 6924            | 56.2         | 128.0        | GGGG                               |                     |                      | 184                   | 27                   |
| 04516E 4720N                            | 2677-06573        | 00000/0000                   | 2-20036/1558                | 11/29/76         | 90                  | 9434            | 16.8         | 153.5        | GGGF                               |                     |                      | 184                   | 27                   |
| 04516E 4718N                            | 2533-07021        | 00000/0000                   | 2-20028/0919                | 07/08/76         | 40                  | 7426            | 55.2         | 125.1        | GGGG                               |                     |                      | 184                   | 27                   |
| 04515E 5559N                            | 2590-07152        | 00000/0000                   | 2-20032/0603                | 09/03/76         | 40                  | 8221            | 37.4         | 147.3        | GGGG                               |                     |                      | 187                   | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER,  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANH SAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04515E 4714N                            | 2515-07025        | 00000/0000 2-20027/0169                            | 06/20/76         | 20                  | 7175            | 56.6         | 125.2        |                                    |                     |                      |                       |                      |
| 04514E 5556N                            | 2572-07155        | 00000/0000 2-20030/1422                            | 08/16/76         | 40                  | 7970            | 43.0         | 143.3        | GGGG                               |                     |                      | 184                   | 27                   |
| 04514E 4720N                            | 2623-06594        | 00000/0000 2-20034/0341                            | 10/06/76         | 70                  | 8681            | 32.4         | 147.9        | GGGG                               |                     |                      | 187                   | 21                   |
| 04513E 5551N                            | 2482-07182        | 00000/0000 2-20025/0843                            | 05/18/76         | 20                  | 6715            | 49.5         | 143.6        | GGGG                               |                     |                      | 184                   | 27                   |
| 04513E 5022N                            | 2444-07093        | 00000/0000 2-20022/1832                            | 04/10/76         | 60                  | 6185            | 41.8         | 141.9        | GGGG                               |                     |                      | 187                   | 21                   |
| 04513E 5021N                            | 2462-07090        | 00000/0000 2-20024/0792                            | 04/28/76         | 70                  | 6436            | 47.8         | 139.4        | GGGG                               |                     |                      | 185                   | 25                   |
| 04513E 4719N                            | 2641-06590        | 00000/0000 2-20034/1050                            | 10/24/76         | 100                 | 8932            | 26.5         | 151.4        | GGGG                               |                     |                      | 185                   | 25                   |
| 04513E 4718N                            | 2659-06582        | 00000/0000 2-20036/0441                            | 11/11/76         | 60                  | 9183            | 21.1         | 153.2        | GGGG                               |                     |                      | 184                   | 27                   |
| 04510E 5309N                            | 2445-07142        | 00000/0000 2-20027/1780                            | 04/11/76         | 10                  | 6199            | 40.4         | 144.7        | GGGG                               |                     |                      | 184                   | 27                   |
| 04509E 6009N                            | 2448-07292        | 00000/0000 2-20023/0150                            | 04/14/76         | 20                  | 6241            | 35.6         | 152.1        | GGGG                               |                     |                      | 186                   | 29                   |
| 04509E 6008N                            | 2466-07285        | 00000/0000 2-20024/1090                            | 05/02/76         | 100                 | 6492            | 42.6         | 151.0        | GGGG                               |                     |                      | 189                   | 18                   |
| 04509E 5551N                            | 2428-07195        | 00000/0000 2-20022/0641                            | 03/25/76         | 20                  | 5962            | 32.0         | 148.6        | GGGG                               |                     |                      | 189                   | 18                   |
| 04509E 5021N                            | 2588-07053        | 00000/0000 2-20032/0509                            | 09/01/76         | 0                   | 8193            | 41.7         | 141.0        | GGGG                               |                     |                      | 187                   | 21                   |
| 04508E 5549N                            | 2608-07145        | 00000/0000 2-20032/1552                            | 09/21/76         | 0                   | 8472            | 31.4         | 151.1        | GGGG                               |                     |                      | 186                   | 25                   |
| 04508E 5308N                            | 2463-07135        | 00000/0000 2-20024/0928                            | 04/29/76         | 70                  | 6450            | 46.4         | 142.7        | GGGG                               |                     |                      | 187                   | 21                   |
| 04506E 5015N                            | 2426-07100        | 00000/0000 2-20022/0536                            | 03/23/76         | 100                 | 5934            | 35.1         | 143.8        | GGGG                               |                     |                      | 186                   | 23                   |
| 04506E 5012N                            | 2480-07083        | 00000/0000 2-20025/0493                            | 05/16/76         | 10                  | 6687            | 52.4         | 136.0        | GGGG                               |                     |                      | 185                   | 25                   |
| 04508E 4315N                            | 2450-06594        | 00000/0000 2-20024/1171                            | 04/26/76         | 60                  | 6408            | 51.1         | 130.8        | GGGG                               |                     |                      | 185                   | 25                   |
| 04507E 4309N                            | 2478-06591        | 00000/0000 2-20025/0455                            | 05/14/76         | 40                  | 6659            | 55.4         | 125.9        | GGGG                               |                     |                      | 183                   | 30                   |
| 04507E 3440N                            | 2458-06504        | 00000/0000 2-20024/0553                            | 04/24/76         | 10                  | 6380            | 54.0         | 119.4        | GGGG                               |                     |                      | 183                   | 30                   |
| 04506E 6008N                            | 2574-07260        | 00000/0000 2-20030/1387                            | 08/18/76         | 70                  | 7998            | 39.6         | 148.8        | GGGG                               |                     |                      | 181                   | 36                   |
| 04506E 6002N                            | 2430-07300        | 00000/0000 2-20022/0867                            | 03/27/76         | 20                  | 5990            | 29.8         | 152.5        | GGGG                               |                     |                      | 189                   | 18                   |
| 04506E 5309N                            | 2589-07103        | 00000/0000 2-20032/0540                            | 09/02/76         | 30                  | 8207            | 39.6         | 144.1        | GGGG                               |                     |                      | 189                   | 18                   |
| 04506E 5306N                            | 2571-07110        | 00000/0000 2-20030/1337                            | 08/15/76         | 70                  | 7956            | 45.0         | 139.7        | GGGG                               |                     |                      | 184                   | 23                   |
| 04506E 5304N                            | 2697-07053        | 00000/0000 2-20037/1054                            | 12/19/76         | 90                  | 9713            | 9.8          | 154.5        | GGGG                               |                     |                      | 186                   | 23                   |
| 04506E 5303N                            | 2481-07132        | 00000/0000 2-20025/0888                            | 05/17/76         | 20                  | 6701            | 51.0         | 139.8        | GGGG                               |                     |                      | 184                   | 23                   |
| 04506E 5016N                            | 2606-07050        | 00000/0000 2-20032/1579                            | 09/19/76         | 50                  | 8444            | 36.0         | 145.9        | GGGG                               |                     |                      | 184                   | 23                   |
| 04506E 5010N                            | 2678-07023        | 00000/0000 2-20036/0724                            | 11/30/76         | 90                  | 9448            | 14.4         | 154.7        | GGGG                               |                     |                      | 185                   | 25                   |
| 04506E 4313N                            | 2442-07001        | 00000/0000 2-20022/1490                            | 04/08/76         | 30                  | 6157            | 45.3         | 134.8        | GGGG                               |                     |                      | 185                   | 25                   |
| 04505E 5545N                            | 2626-07141        | 00000/0000 2-20034/0573                            | 10/09/76         | 90                  | 8723            | 25.0         | 154.5        | GGGG                               |                     |                      | 183                   | 30                   |
| 04505E 5544N                            | 2644-07134        | 00000/0000 2-20035/0057                            | 10/27/76         | 100                 | 8974            | 18.9         | 156.9        | GGGG                               |                     |                      | 187                   | 21                   |
| 04505E 5542N                            | 2518-07173        | 00000/0000 2-20028/0093                            | 06/23/76         | 50                  | 7217            | 52.5         | 138.7        | GGGG                               |                     |                      | 187                   | 21                   |
| 04505E 5540N                            | 2410-07202        | 00000/0000 2-20021/1250                            | 03/07/76         | 0                   | 5711            | 25.0         | 149.5        | GGGG                               |                     |                      | 187                   | 21                   |
| 04505E 5303N                            | 2553-07113        | 00000/0000 2-20030/0233                            | 07/28/76         | 30                  | 7705            | 49.3         | 136.1        | GGGG                               |                     |                      | 187                   | 21                   |
| 04505E 4313N                            | 2712-06514        | 00000/0000 2-20038/0582                            | 01/03/77         | 10                  | 9922            | 17.3         | 148.2        | GGGG                               |                     |                      | 186                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04505E 3859N                            | 2459-06551        | 00000/0000                   | 2-20024/0522               | 04/25/76         | 40                  | 6394            | 52.7         | 125.3        | GGGG                               |                     |                      | 182                   | 33                   |
| 04504E 6007N                            | 2592-07253        | 00000/0000                   | 2-20032/0751               | 09/05/76         | 40                  | 8249            | 33.8         | 152.0        | FGGG                               |                     |                      | 189                   | 18                   |
| 04504E 5959N                            | 2484-07283        | 00000/0000                   | 2-20025/0940               | 05/20/76         | 20                  | 6743            | 47.1         | 149.1        | GGGG                               |                     |                      | 189                   | 18                   |
| 04504E 5542N                            | 2536-07165        | 00000/0000                   | 2-20028/1044               | 07/11/76         | 40                  | 7468            | 50.9         | 138.3        | GGGG                               |                     |                      | 187                   | 21                   |
| 04504E 5302N                            | 2427-07150        | 00000/0000                   | 2-20022/0457               | 03/24/76         | 40                  | 5948            | 33.6         | 146.2        | GG G                               |                     |                      | 186                   | 23                   |
| 04504E 5008N                            | 2498-07080        | 00000/0000                   | 2-20026/0689               | 06/03/76         | 80                  | 6938            | 54.9         | 132.4        | FFFF                               |                     |                      | 185                   | 25                   |
| 04504E 5006N                            | 2516-07074        | 00000/0000                   | 2-20027/0217               | 06/21/76         | 20                  | 7189            | 55.4         | 129.9        | GGGG                               |                     |                      | 185                   | 25                   |
| 04504E 5004N                            | 2372-07113        | 00000/0000                   | 2-20020/0538               | 01/29/76         | 100                 | 5181            | 16.7         | 150.0        | GGGG                               |                     |                      | 185                   | 25                   |
| 04504E 4313N                            | 2694-06522        | 00000/0000                   | 2-20037/1075               | 12/16/76         | 80                  | 9671            | 17.7         | 150.5        | FGGG                               |                     |                      | 183                   | 30                   |
| 04504E 4312N                            | 2730-06510        | 00000/0000                   | 2-20038/1648               | 01/21/77         | 30                  | 173             | 19.2         | 145.2        | GGGG                               |                     |                      | 183                   | 30                   |
| 04503E 5301N                            | 2679-07072        | 00000/0000                   | 2-20036/0731               | 12/01/76         | 90                  | 9462            | 12.0         | 156.1        | FGGG                               |                     |                      | 186                   | 23                   |
| 04503E 5006N                            | 2660-07031        | 00000/0000                   | 2-20034/0956               | 11/12/76         | 50                  | 9197            | 18.6         | 154.7        | GGGG                               |                     |                      | 185                   | 25                   |
| 04503E 4311N                            | 2568-06564        | 00000/0000                   | 2-20030/1094               | 08/12/76         | 60                  | 7914            | 50.7         | 126.2        | GGGG                               |                     |                      | 183                   | 30                   |
| 04503E 4307N                            | 2424-07004        | 00000/0000                   | 2-20022/0305               | 03/21/76         | 100                 | 5906            | 38.8         | 138.0        | GGGG                               |                     |                      | 183                   | 30                   |
| 04503E 4305N                            | 2496-06584        | 00000/0000                   | 2-20026/0130               | 06/01/76         | 10                  | 6910            | 57.7         | 121.1        | GGGG                               |                     |                      | 183                   | 30                   |
| 04503E 3439N                            | 2584-06472        | 00000/0000                   | 2-20032/0165               | 08/28/76         | 0                   | 8137            | 50.6         | 121.4        | GGGG                               |                     |                      | 181                   | 36                   |
| 04503E 0705N                            | 2381-06322        | 00000/0000                   | 2-20020/1093               | 02/07/76         | 10                  | 5306            | 44.1         | 119.7        | GGGG                               |                     |                      | 176                   | 55                   |
| 04502E 5540N                            | 2662-07125        | 00000/0000                   | 2-20036/0965               | 11/14/76         | 100                 | 9225            | 13.5         | 157.8        | GGGG                               |                     |                      | 187                   | 21                   |
| 04502E 5303N                            | 2607-07100        | 00000/0000                   | 2-20032/1655               | 09/20/76         | 0                   | 8458            | 33.8         | 148.5        | GGGG                               |                     |                      | 186                   | 23                   |
| 04502E 5300N                            | 2625-07092        | 00000/0000                   | 2-20034/0562               | 10/08/76         | 90                  | 8709            | 27.5         | 152.3        | GGGF                               |                     |                      | 186                   | 23                   |
| 04502E 5007N                            | 2642-07035        | 00000/0000                   | 2-20035/0150               | 10/25/76         | 100                 | 8946            | 24.0         | 153.2        | GGGG                               |                     |                      | 185                   | 25                   |
| 04502E 5006N                            | 2534-07071        | 00000/0000                   | 2-20028/1011               | 07/09/76         | 30                  | 7440            | 54.0         | 129.6        | GGFG                               |                     |                      | 185                   | 25                   |
| 04502E 4313N                            | 2586-06561        | 00000/0000                   | 2-20032/0403               | 08/30/76         | 40                  | 8165            | 46.4         | 132.6        | GGGG                               |                     |                      | 183                   | 30                   |
| 04502E 3435N                            | 2422-06515        | 00000/0000                   | 2-20022/0284               | 03/19/76         | 10                  | 5878            | 42.7         | 130.7        | GGGG                               |                     |                      | 181                   | 36                   |
| 04502E 3432N                            | 2494-06495        | 00000/0000                   | 2-20026/0437               | 05/30/76         | 20                  | 6882            | 59.4         | 106.1        | GGFF                               |                     |                      | 181                   | 36                   |
| 04502E 3432N                            | 2548-06482        | 00000/0000                   | 2-20028/1628               | 07/23/76         | 0                   | 7635            | 56.4         | 106.5        | GGGG                               |                     |                      | 181                   | 36                   |
| 04501E 5256N                            | 2499-07130        | 00000/0000                   | 2-20026/0800               | 06/04/76         | 80                  | 6952            | 53.6         | 136.6        | GGGG                               |                     |                      | 186                   | 23                   |
| 04501E 5256N                            | 2643-07084        | 00000/0000                   | 2-20035/0126               | 10/26/76         | 100                 | 8960            | 21.4         | 155.0        | GGGG                               |                     |                      | 186                   | 23                   |
| 04501E 5007N                            | 2624-07043        | 00000/0000                   | 2-20034/0498               | 10/07/76         | 100                 | 8695            | 30.0         | 150.1        | GGGG                               |                     |                      | 185                   | 25                   |
| 04501E 4311N                            | 2604-06554        | 00000/0000                   | 2-20034/0292               | 09/17/76         | 50                  | 8416            | 41.3         | 139.0        | GGGG                               |                     |                      | 183                   | 30                   |
| 04501E 3437N                            | 2602-06465        | 00000/0000                   | 2-20032/1334               | 09/15/76         | 0                   | 8388            | 46.6         | 129.7        | FGGG                               |                     |                      | 181                   | 36                   |
| 04501E 3427N                            | 2512-06492        | 00000/0000                   | 2-20026/1787               | 06/17/76         | 0                   | 7133            | 59.4         | 102.4        | GGGG                               |                     |                      | 181                   | 36                   |
| 04501E 1300N                            | 2400-06355        | 00000/0000                   | 2-20021/0554               | 02/26/76         | 80                  | 5571            | 45.2         | 117.5        | GGGG                               |                     |                      | 177                   | 51                   |
| 04500E 5254N                            | 2409-07153        | 00000/0000                   | 2-20021/1198               | 03/06/76         | 60                  | 5697            | 26.6         | 147.5        | GGGG                               |                     |                      | 186                   | 23                   |
| 04500E 5253N                            | 2373-07162        | 00000/0000                   | 2-20020/0613               | 01/30/76         | 100                 | 5195            | 14.9         | 151.4        | GGGF                               |                     |                      | 186                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNEXPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

02:44 APR 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | COORDINATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|--------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04500E                      | 5002N              | 2550-07111                              | 00000/0000       | 2-20020/1576        | 02/16/76        | 0            | 5432         | 21.8                               | 147.6               | FFGG                 | 185                   | 25                   |
| 04500E                      | 4307N              | 2676-06531                              | 00000/0000       | 2-20036/1585        | 11/28/76        | 80           | 9420         | 20.3                               | 151.6               | GGGG                 | 183                   | 30                   |
| 04500E                      | 4303N              | 2658-06535                              | 00000/0000       | 2-20036/0260        | 11/10/76        | 60           | 9169         | 24.7                               | 151.0               | GGGG                 | 183                   | 30                   |
| 04500E                      | 4300N              | 2514-06582                              | 00000/0000       | 2-20026/1889        | 06/15/76        | 50           | 7161         | 58.1                               | 117.9               | GGGG                 | 183                   | 30                   |
| 04500E                      | 3857N              | 2711-06471                              | 00000/0000       | 2-20036/0479        | 01/02/77        | 90           | 9908         | 20.3                               | 146.6               | GGGG                 | 182                   | 33                   |
| 04459E                      | 5959N              | 2556-07253                              | 00000/0000       | 2-20030/0433        | 07/31/76        | 40           | 7747         | 44.6                               | 146.0               | GGGG                 | 189                   | 18                   |
| 04459E                      | 5004N              | 2408-07104                              | 00000/0000       | 2-20021/1108        | 03/05/76        | 80           | 5683         | 28.2                               | 145.6               | GGGG                 | 185                   | 25                   |
| 04459E                      | 4304N              | 2640-06543                              | 00000/0000       | 2-20034/0978        | 10/23/76        | 60           | 8918         | 30.0                               | 148.6               | GGGG                 | 183                   | 30                   |
| 04459E                      | 3850N              | 2549-06525                              | 00000/0000       | 2-20030/0290        | 07/24/76        | 10           | 7649         | 55.6                               | 113.9               | FGGG                 | 182                   | 33                   |
| 04458E                      | 5955N              | 2502-07280                              | 00000/0000       | 2-20026/0960        | 06/07/76        | 70           | 6994         | 49.6                               | 146.9               | GGGG                 | 189                   | 18                   |
| 04458E                      | 5256N              | 2535-07120                              | 00000/0000       | 2-20028/1076        | 07/10/76        | 60           | 7454         | 52.5                               | 134.1               | GGGG                 | 184                   | 23                   |
| 04458E                      | 5254N              | 2661-07040                              | 00000/0000       | 2-20036/0961        | 11/13/76        | 10           | 9211         | 16.1                               | 156.3               | GGGG                 | 186                   | 23                   |
| 04458E                      | 5253N              | 2517-07123                              | 00000/0000       | 2-20027/0307        | 06/22/76        | 10           | 7203         | 54.0                               | 134.3               | GGGG                 | 184                   | 23                   |
| 04458E                      | 3855N              | 2729-06463                              | 00000/0000       | 2-20038/1656        | 01/20/77        | 50           | 159          | 22.0                               | 143.4               | GGFG                 | 182                   | 33                   |
| 04458E                      | 3849N              | 2675-06434                              | 00000/0000       | 2-20036/1392        | 11/27/76        | 10           | 9406         | 23.9                               | 149.6               | GGGG                 | 182                   | 33                   |
| 04458E                      | 3847N              | 2495-06542                              | 00000/0000       | 2-20026/0507        | 05/31/76        | 10           | 6896         | 58.8                               | 113.7               | GGGG                 | 182                   | 33                   |
| 04458E                      | 3432N              | 2620-06462                              | 00000/0000       | 2-20036/0256        | 10/03/76        | 0            | 8639         | 41.9                               | 137.0               | GGGG                 | 181                   | 36                   |
| 04458E                      | 3430N              | 2656-06450                              | 00000/0000       | 2-20036/0057        | 11/08/76        | 30           | 9141         | 31.6                               | 146.2               | GGGG                 | 181                   | 36                   |
| 04458E                      | 3429N              | 2368-06531                              | 00000/0000       | 2-20020/0259        | 01/25/76        | 10           | 5125         | 27.0                               | 142.9               | FGGG                 | 181                   | 36                   |
| 04457E                      | 5248N              | 2391-07160                              | 00000/0000       | 2-20020/1683        | 02/17/76        | 60           | 5446         | 20.2                               | 149.2               | GFGG                 | 186                   | 23                   |
| 04457E                      | 4303N              | 2622-06551                              | 00000/0000       | 2-20034/0367        | 10/05/76        | 20           | 8667         | 35.7                               | 144.5               | GGGG                 | 183                   | 30                   |
| 04457E                      | 3854N              | 2693-06480                              | 00000/0000       | 2-20037/0929        | 12/15/76        | 20           | 9657         | 21.1                               | 148.8               | GGF                  | 182                   | 33                   |
| 04457E                      | 3853N              | 2603-06512                              | 00000/0000       | 2-20037/0884        | 09/16/76        | 10           | 8402         | 44.1                               | 134.5               | GGGG                 | 182                   | 33                   |
| 04456E                      | 3845N              | 2513-06535                              | 00000/0000       | 2-20026/1838        | 06/18/76        | 20           | 7147         | 59.0                               | 110.3               | GGGG                 | 182                   | 33                   |
| 04455E                      | 5951N              | 2412-07307                              | 00000/0000       | 2-20021/1366        | 03/09/76        | 10           | 5739         | 22.8                               | 152.9               | FGGG                 | 189                   | 18                   |
| 04455E                      | 5950N              | 2520-07273                              | 00000/0000       | 2-20028/0067        | 06/25/76        | 60           | 7245         | 50.0                               | 145.0               | GGGG                 | 189                   | 18                   |
| 04455E                      | 3848N              | 2639-06501                              | 00000/0000       | 2-20034/0997        | 10/22/76        | 40           | 8904         | 33.4                               | 145.8               | GGGG                 | 182                   | 33                   |
| 04454E                      | 5953N              | 2538-07270                              | 00000/0000       | 2-20028/1293        | 07/13/76        | 90           | 7496         | 48.1                               | 144.7               | GGGG                 | 189                   | 18                   |
| 04454E                      | 3845N              | 2657-06493                              | 00000/0000       | 2-20036/0105        | 11/09/76        | 10           | 9155         | 28.2                               | 148.7               | GGGG                 | 182                   | 33                   |
| 04454E                      | 3843N              | 2369-06574                              | 00000/0000       | 2-20020/0304        | 01/26/76        | 10           | 5139         | 24.3                               | 144.8               | FGGG                 | 182                   | 33                   |
| 04450E                      | 6130N              | 2575-07312                              | 00000/0000       | 2-20030/1457        | 08/19/76        | 100          | 8012         | 38.4                               | 150.6               | FFFF                 | 190                   | 17                   |
| 04449E                      | 6132N              | 2467-07341                              | 00000/0000       | 2-20024/0902        | 05/03/76        | 90           | 6506         | 41.9                               | 102.8               | GGGG                 | 190                   | 17                   |
| 04449E                      | 4607N              | 2461-07043                              | 00000/0000       | 2-20024/0660        | 04/27/76        | 10           | 6422         | 49.9                               | 134.3               | GGGG                 | 184                   | 28                   |
| 04448E                      | 4605N              | 2443-07050                              | 00000/0000       | 2-20027/1893        | 04/09/76        | 10           | 6171         | 44.1                               | 137.6               | GGGG                 | 184                   | 28                   |
| 04447E                      | 4559N              | 2479-07040                              | 00000/0000       | 2-20025/0503        | 05/15/76        | 50           | 6673         | 54.3                               | 130.0               | GGGG                 | 184                   | 28                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL PRINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 04444E                      | 5722N             | 2465-07240                              | 00000/0000       | 2-20024/1120        | 05/01/76        | 90           | 6478         | 44.2                  | 147.6               |                      |                       |                      |
| 04444E                      | 4603N             | 2695-06571                              | 00000/0000       | 2-20037/1122        | 12/17/76        | 90           | 9685         | 15.5                  | 151.6               | GGGG                 | 188                   | 20                   |
| 04444E                      | 4603N             | 2713-06563                              | 00000/0000       | 2-20038/0707        | 01/04/77        | 0            | 9936         | 15.2                  | 149.3               | GGGG                 | 184                   | 28                   |
| 04444E                      | 4602N             | 2569-07014                              | 00000/0000       | 2-20036/1157        | 08/13/76        | 30           | 7928         | 49.2                  | 130.3               | GGGG                 | 184                   | 28                   |
| 04443E                      | 4602N             | 2731-06555                              | 00000/0000       | 2-20038/1616        | 01/22/77        | 90           | 127          | 17.4                  | 146.4               | GGGG                 | 184                   | 28                   |
| 04443E                      | 4559N             | 2425-07054                              | 00000/0000       | 2-20022/0405        | 03/22/76        | 100          | 5920         | 37.4                  | 140.3               | GGGG                 | 184                   | 28                   |
| 04443E                      | 0538N             | 2381-06324                              | 00000/0000       | 2-20020/1094        | 02/07/76        | 0            | 5306         | 44.6                  | 118.4               | GGGG                 | 184                   | 28                   |
| 04442E                      | 4604N             | 2547-07011                              | 00000/0000       | 2-20032/0373        | 08/31/76        | 100          | 8179         | 44.6                  | 136.1               | GGGG                 | 174                   | 56                   |
| 04442E                      | 4559N             | 2605-07004                              | 00000/0000       | 2-20032/1484        | 09/18/76        | 30           | 8430         | 39.2                  | 141.9               | GGGG                 | 184                   | 28                   |
| 04442E                      | 4556N             | 2551-07021                              | 00000/0000       | 2-20030/0149        | 07/26/76        | 10           | 7677         | 53.0                  | 125.5               | GGGG                 | 184                   | 28                   |
| 04442E                      | 4555N             | 2497-07034                              | 00000/0000       | 2-20026/0626        | 06/02/76        | 10           | 6924         | 56.7                  | 125.7               | GGGG                 | 184                   | 28                   |
| 04441E                      | 4556N             | 2677-06580                              | 00000/0000       | 2-20036/1559        | 11/29/76        | 100          | 9434         | 18.0                  | 152.8               | GGGG                 | 184                   | 28                   |
| 04441E                      | 4553N             | 2533-07024                              | 00000/0000       | 2-20028/0920        | 07/08/76        | 20           | 7426         | 55.8                  | 122.8               | GGGG                 | 184                   | 28                   |
| 04441E                      | 3314N             | 2458-06511                              | 00000/0000       | 2-20024/0287        | 04/24/76        | 0            | 6380         | 54.5                  | 117.3               | GGGG                 | 181                   | 37                   |
| 04440E                      | 6124N             | 2557-07315                              | 00000/0000       | 2-20030/0662        | 08/01/76        | 20           | 7761         | 43.4                  | 148.1               | GGGG                 | 190                   | 17                   |
| 04440E                      | 4550N             | 2371-07070                              | 00000/0000       | 2-20020/0477        | 01/28/76        | 100          | 5167         | 19.0                  | 148.0               | GGGG                 | 184                   | 28                   |
| 04440E                      | 4549N             | 2515-07031                              | 00000/0000       | 2-20027/0170        | 06/20/76        | 50           | 7175         | 57.2                  | 122.8               | GGGG                 | 184                   | 28                   |
| 04439E                      | 5719N             | 2573-07211                              | 00000/0000       | 2-20030/1648        | 08/17/76        | 30           | 7984         | 41.8                  | 145.2               | GGGG                 | 188                   | 20                   |
| 04439E                      | 4555N             | 2623-07000                              | 00000/0000       | 2-20034/0342        | 10/06/76        | 70           | 8681         | 33.4                  | 146.8               | GGGG                 | 184                   | 28                   |
| 04439E                      | 4553N             | 2659-06584                              | 00000/0000       | 2-20036/0442        | 11/11/76        | 100          | 9183         | 22.2                  | 152.5               | GGGG                 | 184                   | 28                   |
| 04438E                      | 5721N             | 2591-07204                              | 00000/0000       | 2-20032/0776        | 09/04/76        | 10           | 8235         | 36.1                  | 148.9               | GGGG                 | 188                   | 20                   |
| 04438E                      | 4554N             | 2641-06592                              | 00000/0000       | 2-20034/1051        | 10/24/76        | 100          | 8932         | 27.6                  | 150.5               | GGGG                 | 184                   | 28                   |
| 04438E                      | 3313N             | 2584-06474                              | 00000/0000       | 2-20032/0166        | 08/28/76        | 0            | 8137         | 51.1                  | 119.5               | GGGG                 | 181                   | 37                   |
| 04437E                      | 4553N             | 2407-07061                              | 00000/0000       | 2-20021/1035        | 03/04/76        | 70           | 5669         | 30.6                  | 142.7               | GGGG                 | 184                   | 28                   |
| 04437E                      | 4547N             | 2389-07064                              | 00000/0000       | 2-20020/1478        | 02/15/76        | 10           | 5418         | 24.5                  | 145.2               | GGGG                 | 184                   | 28                   |
| 04437E                      | 4149N             | 2460-07030                              | 00000/0000       | 2-20024/1172        | 04/26/76        | 10           | 6408         | 51.8                  | 128.8               | GGGG                 | 183                   | 31                   |
| 04436E                      | 4144N             | 2478-06593                              | 00000/0000       | 2-20025/0456        | 05/14/76        | 70           | 6659         | 55.9                  | 123.6               | GGGG                 | 183                   | 31                   |
| 04436E                      | 3309N             | 2422-06521                              | 00000/0000       | 2-20022/0285        | 03/19/76        | 10           | 5878         | 43.4                  | 129.3               | GGGG                 | 181                   | 37                   |
| 04436E                      | 3306N             | 2494-06501                              | 00000/0000       | 2-20026/0438        | 05/30/76        | 0            | 6882         | 59.5                  | 103.5               | GGGG                 | 181                   | 37                   |
| 04436E                      | 4857N             | 2548-06485                              | 00000/0000       | 2-20028/1629        | 07/23/76        | 0            | 7635         | 56.5                  | 104.2               | GGGG                 | 181                   | 37                   |
| 04435E                      | 4856N             | 2444-07095                              | 00000/0000       | 2-20022/1859        | 04/10/76        | 40           | 6185         | 42.7                  | 140.5               | GGGG                 | 185                   | 26                   |
| 04435E                      | 4148N             | 2462-07092                              | 00000/0000       | 2-20024/0793        | 04/28/76        | 70           | 6436         | 48.6                  | 137.6               | GGGG                 | 183                   | 31                   |
| 04435E                      | 3311N             | 2442-07003                              | 00000/0000       | 2-20022/1491        | 04/08/76        | 30           | 6157         | 46.1                  | 133.2               | GGGG                 | 181                   | 37                   |
| 04435E                      | 3301N             | 2602-06471                              | 00000/0000       | 2-20032/1335        | 09/15/76        | 0            | 8388         | 47.3                  | 128.1               | GGGG                 | 181                   | 37                   |
| 04435E                      |                   | 2512-06495                              | 00000/0000       | 2-20026/1788        | 06/17/76        | 0            | 7133         | 59.4                  | 99.8                | GGGG                 | 181                   | 37                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 A R 28,177

LANHSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POS<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|---------------------------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04434E                    | 6117N             | 503-07332                                      | 00000/0000       | 2-20024/0994        | 06/08/76        | 80           | 7008         | 48.8                               | 148.8               |                      |                       |                      |
| 04434E                    | 5715N             | 2555-07214                                     | 00000/0000       | 2-20030/0445        | 07/30/76        | 50           | 7733         | 46.5                               | 142.1               | GGGF                 | 190                   | 17                   |
| 04434E                    | 5709N             | 2501-07231                                     | 00000/0000       | 2-20026/0886        | 06/06/76        | 10           | 6980         | 51.3                               | 142.8               | GGGG                 | 188                   | 20                   |
| 04434E                    | 4148N             | 2712-06520                                     | 00000/0000       | 2-20038/0573        | 01/03/77        | 40           | 9922         | 18.3                               | 147.6               | GF0F                 | 188                   | 20                   |
| 04433E                    | 4148N             | 2634-06525                                     | 00000/0000       | 2-20037/1076        | 12/16/76        | 90           | 9671         | 18.8                               | 149.9               | G GG                 | 183                   | 31                   |
| 04433E                    | 4146N             | 2730-06512                                     | 00000/0000       | 2-20038/1649        | 01/21/77        | 70           | 173          | 20.2                               | 144.5               | GGGG                 | 183                   | 31                   |
| 04432E                    | 5714N             | 2609-07201                                     | 00000/0000       | 2-20032/1612        | 09/22/76        | 80           | 8486         | 30.0                               | 152.6               | GGGG                 | 183                   | 31                   |
| 04432E                    | 4142N             | 2424-07011                                     | 00000/0000       | 2-20022/0306        | 03/21/76        | 90           | 5906         | 39.6                               | 136.7               | GGGG                 | 188                   | 20                   |
| 04432E                    | 3724N             | 2549-06531                                     | 00000/0000       | 2-20030/0291        | 07/24/76        | 0            | 7649         | 55.9                               | 111.6               | GGGG                 | 183                   | 31                   |
| 04432E                    | 3306N             | 2620-06464                                     | 00000/0000       | 2-20034/0257        | 10/03/76        | 0            | 8639         | 42.7                               | 135.7               | GGGG                 | 182                   | 34                   |
| 04431E                    | 6114N             | 2539-07322                                     | 00000/0000       | 2-20028/1420        | 07/14/76        | 80           | 7510         | 47.1                               | 146.7               | GGGG                 | 181                   | 37                   |
| 04431E                    | 5435N             | 2464-07191                                     | 00000/0000       | 2-20024/1006        | 04/30/76        | 70           | 6464         | 45.8                               | 144.3               | GGGG                 | 190                   | 17                   |
| 04431E                    | 4853N             | 2714-07012                                     | 00000/0000       | 2-20038/0723        | 01/05/77        | 100          | 9950         | 13.2                               | 150.4               | GGGG                 | 187                   | 22                   |
| 04431E                    | 4148N             | 2586-06564                                     | 00000/0000       | 2-20032/0474        | 08/30/76        | 20           | 8165         | 47.1                               | 131.0               | GGGG                 | 185                   | 26                   |
| 04431E                    | 4140N             | 2496-06591                                     | 00000/0000       | 2-20026/0131        | 06/01/76        | 50           | 6910         | 58.1                               | 118.6               | GGGG                 | 183                   | 31                   |
| 04430E                    | 6113N             | 2521-07325                                     | 00000/0000       | 2-20028/0190        | 06/26/76        | 30           | 7289         | 49.0                               | 147.1               | GGGG                 | 183                   | 31                   |
| 04430E                    | 5435N             | 2446-07194                                     | 00000/0000       | 2-20023/0081        | 04/12/76        | 10           | 6213         | 39.8                               | 146.1               | GGGG                 | 190                   | 17                   |
| 04430E                    | 4855N             | 2588-07060                                     | 00000/0000       | 2-20032/0510        | 09/01/76        | 80           | 8193         | 42.6                               | 139.5               | GGGG                 | 187                   | 22                   |
| 04430E                    | 4848N             | 2480-07090                                     | 00000/0000       | 2-20025/0491        | 05/16/76        | 10           | 6687         | 53.1                               | 133.9               | GGGG                 | 185                   | 26                   |
| 04430E                    | 4145N             | 2604-06561                                     | 00000/0000       | 2-20034/0293        | 09/17/76        | 20           | 8416         | 42.1                               | 137.6               | GGGG                 | 185                   | 26                   |
| 04430E                    | 4141N             | 2532-06581                                     | 00000/0000       | 2-20028/0864        | 07/07/76        | 30           | 7412         | 57.1                               | 115.5               | GGGG                 | 183                   | 31                   |
| 04430E                    | 4135N             | 2514-06584                                     | 00000/0000       | 2-20026/1890        | 06/19/76        | 20           | 7161         | 58.4                               | 115.4               | GGGG                 | 183                   | 31                   |
| 04430E                    | 3724N             | 253 -06534                                     | 00000/0000       | 2-20028/0806        | 07/06/76        | 10           | 7398         | 58.0                               | 107.9               | GGGG                 | 183                   | 31                   |
| 04430E                    | 3721N             | 2495-06544                                     | 00000/0000       | 2-20026/0508        | 05/31/76        | 10           | 6896         | 59.1                               | 111.1               | GGGG                 | 182                   | 34                   |
| 04429E                    | 5707N             | 2537-07221                                     | 00000/0000       | 2-20028/1220        | 07/12/76        | 40           | 7482         | 49.9                               | 140.5               | GGGG                 | 182                   | 34                   |
| 04429E                    | 5707N             | 2645-07185                                     | 00000/0000       | 2-20035/0248        | 10/28/76        | 80           | 8988         | 17.4                               | 157.9               | GGGG                 | 188                   | 20                   |
| 04429E                    | 4854N             | 257 -07069                                     | 00000/0000       | 2-20030/1252        | 08/14/76        | 30           | 7942         | 47.6                               | 134.3               | GGGG                 | 188                   | 20                   |
| 04429E                    | 4852N             | 2696-07021                                     | 00000/0000       | 2-20037/1062        | 12/18/76        | 80           | 9699         | 13.2                               | 152.7               | GGGG                 | 185                   | 26                   |
| 04429E                    | 4850N             | 2426-07103                                     | 00000/0000       | 2-20022/0537        | 03/23/76        | 100          | 5934         | 36.0                               | 142.6               | FGG                  | 185                   | 26                   |
| 04429E                    | 4142N             | 2674-06533                                     | 00000/0000       | 2-20036/1586        | 11/28/76        | 90           | 9420         | 21.4                               | 150.9               | GGGG                 | 185                   | 26                   |
| 04429E                    | 4139N             | 2658-06542                                     | 00000/0000       | 2-20036/0261        | 11/10/76        | 60           | 9169         | 25.8                               | 150.3               | GGGG                 | 183                   | 31                   |
| 04428E                    | 5704N             | 2627-07193                                     | 00000/0000       | 2-20034/0605        | 10/10/76        | 20           | 8737         | 23.6                               | 155.7               | GGGG                 | 183                   | 31                   |
| 04428E                    | 5704N             | 2519-07224                                     | 00000/0000       | 2-20027/0470        | 06/24/76        | 50           | 7231         | 51.7                               | 140.8               | GGGG                 | 188                   | 20                   |
| 04428E                    | 4851N             | 2606-07053                                     | 00000/0000       | 2-20032/1580        | 09/19/76        | 80           | 8444         | 37.0                               | 144.7               | GGGG                 | 188                   | 20                   |
| 04428E                    | 4846N             | 2678-07025                                     | 00000/0000       | 2-20036/0725        | 11/30/76        | 100          | 9448         | 15.5                               | 154.1               | GGGG                 | 185                   | 26                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1073

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04428E                      | 4139N | 2640-06550        | 00000/0000 2-20034/0979                            | 10/23/76         | 60                  | 8918            | 31.0         | 147.8        | GGGG                               |                     |                      |                       |                      |
| 04428E                      | 3727N | 2603-06514        | 00000/0000 2-20032/0885                            | 09/16/76         | 30                  | 8402            | 44.9         | 133.0        | GGGG                               |                     |                      | 183                   | 31                   |
| 04428E                      | 3720N | 2513-06541        | 00000/0000 2-20026/1839                            | 06/18/76         | 10                  | 7147            | 59.2         | 107.7        | GGGG                               |                     |                      | 182                   | 34                   |
| 04427E                      | 6253N | 2468-07393        | 00000/0000 2-20024/1452                            | 05/04/76         | 10                  | 6520            | 41.2         | 154.5        | GGGG                               |                     |                      | 182                   | 34                   |
| 04427E                      | 5704N | 2663-07181        | 00000/0000 2-20036/0697                            | 11/15/76         | 100                 | 9239            | 12.1         | 158.7        | GGGG                               |                     |                      | 191                   | 16                   |
| 04427E                      | 5435N | 2590-07154        | 00000/0000 2-20032/0617                            | 09/03/76         | 40                  | 8221            | 38.4         | 145.8        | GGGG                               |                     |                      | 188                   | 20                   |
| 04427E                      | 5144N | 2445-07145        | 00000/0000 2-20022/1781                            | 04/11/76         | 10                  | 6199            | 41.3         | 143.3        | GGGG                               |                     |                      | 187                   | 22                   |
| 04426E                      | 5433N | 2572-07161        | 00000/0000 2-20030/1423                            | 08/16/76         | 30                  | 7970            | 43.8         | 141.6        | GGGG                               |                     |                      | 186                   | 24                   |
| 04426E                      | 4843N | 2498-07083        | 00000/0000 2-20026/0690                            | 06/03/76         | 90                  | 6938            | 55.6         | 130.1        | GGGG                               |                     |                      | 187                   | 22                   |
| 04426E                      | 4138N | 2622-06554        | 00000/0000 2-20034/0368                            | 10/05/76         | 40                  | 8667            | 36.7         | 143.4        | FFFF                               |                     |                      | 185                   | 26                   |
| 04426E                      | 3723N | 2639-06503        | 00000/0000 2-20034/0998                            | 10/22/76         | 20                  | 8904            | 34.4         | 144.8        | GGGG                               |                     |                      | 183                   | 31                   |
| 04426E                      | 3717N | 2369-06581        | 00000/0000 2-20020/0305                            | 11/26/76         | 10                  | 5139            | 25.3         | 144.1        | GGGG                               |                     |                      | 182                   | 34                   |
| 04425E                      | 5427N | 2482-07184        | 00000/0000 2-20025/0844                            | 05/18/76         | 30                  | 6715            | 50.3         | 141.6        | GGGG                               |                     |                      | 182                   | 34                   |
| 04425E                      | 5144N | 2463-07142        | 00000/0000 2-20024/0929                            | 04/29/76         | 90                  | 6450            | 47.3         | 140.9        | GGGG                               |                     |                      | 187                   | 22                   |
| 04425E                      | 4841N | 2516-07080        | 00000/0000 2-20027/0218                            | 06/21/76         | 20                  | 7189            | 56.0         | 127.6        | GGGG                               |                     |                      | 186                   | 24                   |
| 04424E                      | 6254N | 2576-07363        | 00000/0000 2-20032/0050                            | 08/20/76         | 90                  | 8026            | 37.1         | 152.6        | GGGG                               |                     |                      | 185                   | 26                   |
| 04424E                      | 5144N | 2589-07105        | 00000/0000 2-20032/0541                            | 09/02/76         | 80                  | 8207            | 40.6         | 142.7        | G                                  |                     |                      | 191                   | 16                   |
| 04424E                      | 4843N | 2642-07042        | 00000/0000 2-20035/0151                            | 10/25/76         | 90                  | 8946            | 25.1         | 152.3        | GFGG                               |                     |                      | 186                   | 24                   |
| 04424E                      | 4841N | 2534-07073        | 00000/0000 2-20028/1012                            | 07/09/76         | 50                  | 7440            | 54.6         | 127.4        | GGGG                               |                     |                      | 185                   | 26                   |
| 04423E                      | 5140N | 2697-07070        | 00000/0000 2-20037/1055                            | 12/19/76         | 100                 | 9713            | 10.9         | 153.9        | FGGG                               |                     |                      | 185                   | 26                   |
| 04423E                      | 5139N | 2481-07135        | 00000/0000 2-20025/0889                            | 05/17/76         | 20                  | 6701            | 51.8         | 137.9        | GGGG                               |                     |                      | 186                   | 24                   |
| 04423E                      | 4842N | 2624-07050        | 00000/0000 2-20034/0499                            | 10/07/76         | 90                  | 8695            | 31.1         | 149.1        | GGGG                               |                     |                      | 186                   | 24                   |
| 04423E                      | 4842N | 2660-07034        | 00000/0000 2-20036/0957                            | 11/12/76         | 40                  | 9197            | 19.7         | 154.0        | GGGG                               |                     |                      | 185                   | 26                   |
| 04422E                      | 5427N | 2428-07201        | 00000/0000 2-20022/0642                            | 03/25/76         | 10                  | 5962            | 33.0         | 147.3        | GGGG                               |                     |                      | 187                   | 22                   |
| 04422E                      | 5139N | 2553-07115        | 00000/0000 2-20030/0234                            | 07/28/76         | 10                  | 7705            | 50.1         | 134.1        | GGGG                               |                     |                      | 187                   | 22                   |
| 04422E                      | 4837N | 2390-07113        | 00000/0000 2-20020/1577                            | 02/16/76         | 10                  | 5432            | 22.8         | 146.7        | GGGG                               |                     |                      | 186                   | 24                   |
| 04422E                      | 0412N | 2381-04331        | 00000/0000 2-20020/1095                            | 02/07/76         | 10                  | 5306            | 45.0         | 117.0        | GFGG                               |                     |                      | 185                   | 26                   |
| 04421E                      | 5422N | 2500-07181        | 00000/0000 2-20026/0805                            | 06/05/76         | 80                  | 6966            | 52.9         | 138.7        | GGGG                               |                     |                      | 187                   | 22                   |
| 04421E                      | 5137N | 2679-07074        | 00000/0000 2-20036/0732                            | 12/01/76         | 90                  | 9462            | 13.1         | 155.4        | GGGG                               |                     |                      | 187                   | 22                   |
| 04420E                      | 5425N | 2608-07151        | 00000/0000 2-20032/1553                            | 09/21/76         | 0                   | 8472            | 32.4         | 149.9        | FGGG                               |                     |                      | 186                   | 24                   |
| 04420E                      | 4840N | 2408-07110        | 00000/0000 2-20021/1109                            | 03/05/76         | 80                  | 5683            | 29.1         | 144.6        | GGGG                               |                     |                      | 187                   | 22                   |
| 04419E                      | 5138N | 2607-07132        | 00000/0000 2-20032/1656                            | 09/20/76         | 0                   | 8458            | 34.7         | 147.3        | GGGG                               |                     |                      | 185                   | 26                   |
| 04419E                      | 5135N | 2625-07095        | 00000/0000 2-20034/0563                            | 10/08/76         | 90                  | 8709            | 28.6         | 151.3        | GGGG                               |                     |                      | 186                   | 24                   |
| 04419E                      | 5132N | 2499-07132        | 00000/0000 2-20026/0774                            | 06/04/76         | 90                  | 6952            | 54.3         | 134.4        | GGGF                               |                     |                      | 186                   | 24                   |
| 04418E                      | 5419N | 2518-07175        | 00000/0000 2-20028/0094                            | 06/23/76         | 60                  | 7217            | 53.3         | 136.5        | G                                  |                     |                      | 186                   | 24                   |
|                             |       |                   |                                                    |                  |                     |                 |              |              | GGGG                               |                     |                      | 187                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. F=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 25, 177

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1074

| PRINCIPAL PRINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 04418E                      | 5417N             | 2374-07214                              | 00000/0000       | 2-20020/0701        | 01/31/76        | 20           | 5209         | 14.1                  | 152.0               | GGGG                 | 187                   | 22                   |
| 04418E                      | 5132N             | 2643-07091                              | 00000/0000       | 2-20035/0127        | 10/26/76        | 90           | 8960         | 22.6                  | 154.2               | GGGG                 | 186                   | 24                   |
| 04417E                      | 5421N             | 2626-07144                              | 00000/0000       | 2-20034/0574        | 10/09/76        | 90           | 8723         | 26.1                  | 153.5               | GGGG                 | 187                   | 22                   |
| 04417E                      | 5421N             | 2644-07140                              | 00000/0000       | 2-20035/0058        | 10/27/76        | 90           | 8974         | 20.0                  | 156.0               | GGGG                 | 187                   | 22                   |
| 04417E                      | 5419N             | 2536-07172                              | 00000/0000       | 2-20028/1045        | 07/11/76        | 30           | 7468         | 51.6                  | 136.2               | GGGG                 | 187                   | 22                   |
| 04417E                      | 5417N             | 2410-07205                              | 00000/0000       | 2-20021/1251        | 03/07/76        | 10           | 5711         | 26.0                  | 148.5               | GGGG                 | 187                   | 22                   |
| 04417E                      | 5416N             | 2392-07212                              | 00000/0000       | 2-20020/1691        | 02/18/76        | 100          | 5460         | 19.5                  | 150.0               | FFG                  | 187                   | 22                   |
| 04417E                      | 5132N             | 2535-07122                              | 00000/0000       | 2-20028/1077        | 07/10/76        | 80           | 7454         | 53.2                  | 131.9               | GGGG                 | 186                   | 24                   |
| 04416E                      | 5130N             | 2661-07083                              | 00000/0000       | 2-20036/0962        | 11/13/76        | 10           | 9211         | 17.2                  | 155.5               | GGGG                 | 186                   | 24                   |
| 04416E                      | 5128N             | 2517-07130                              | 00000/0000       | 2-20027/0308        | 06/22/76        | 10           | 7203         | 54.7                  | 132.1               | GGGG                 | 186                   | 24                   |
| 04416E                      | 3148N             | 2458-06513                              | 00000/0000       | 2-20024/0288        | 04/24/76        | 0            | 6380         | 54.9                  | 115.1               | GGGG                 | 181                   | 38                   |
| 04415E                      | 6244N             | 2558-07371                              | 00000/0000       | 2-20030/0648        | 08/02/76        | 20           | 7775         | 42.2                  | 150.1               | GGGG                 | 191                   | 16                   |
| 04415E                      | 5417N             | 2662-07132                              | 00000/0000       | 2-20036/0966        | 11/14/76        | 100          | 9225         | 14.7                  | 157.0               | GGGG                 | 187                   | 22                   |
| 04415E                      | 4442N             | 2461-07045                              | 00000/0000       | 2-20024/0661        | 04/27/76        | 30           | 6422         | 50.7                  | 132.4               | GGGG                 | 186                   | 24                   |
| 04415E                      | 3148N             | 2440-06520                              | 00000/0000       | 2-20022/1428        | 04/06/76        | 10           | 6129         | 50.0                  | 122.1               | GGGG                 | 181                   | 38                   |
| 04414E                      | 6238N             | 2540-07374                              | 00000/0000       | 2-20028/1473        | 07/15/76        | 40           | 7524         | 46.0                  | 148.9               | GGG                  | 191                   | 16                   |
| 04414E                      | 6237N             | 2504-07384                              | 00000/0000       | 2-20026/1124        | 06/09/76        | 20           | 7022         | 47.9                  | 150.9               | GGGG                 | 191                   | 16                   |
| 04414E                      | 4440N             | 2443-07053                              | 00000/0000       | 2-20022/1623        | 04/09/76        | 0            | 6171         | 44.9                  | 136.1               | GGGG                 | 184                   | 29                   |
| 04413E                      | 4434N             | 2479-07043                              | 00000/0000       | 2-20025/0466        | 05/15/76        | 90           | 6673         | 55.0                  | 127.8               | GGGG                 | 184                   | 29                   |
| 04413E                      | 3147N             | 2584-06481                              | 00000/0000       | 2-20032/0167        | 08/28/76        | 0            | 8137         | 51.5                  | 117.6               | PFFF                 | 181                   | 38                   |
| 04413E                      | 3145N             | 2566-06484                              | 00000/0000       | 2-20030/1021        | 08/10/76        | 0            | 7886         | 54.4                  | 108.9               | GGGG                 | 181                   | 38                   |
| 04412E                      | 3142N             | 2476-06510                              | 00000/0000       | 2-20025/0184        | 05/12/76        | 90           | 6681         | 58.2                  | 107.5               | GGGG                 | 181                   | 38                   |
| 04411E                      | 6234N             | 2522-07381                              | 00000/0000       | 2-20028/0154        | 06/27/76        | 40           | 7273         | 48.1                  | 149.2               | GGGG                 | 189                   | 19                   |
| 04411E                      | 5846N             | 2448-07295                              | 00000/0000       | 2-20023/0151        | 04/14/76        | 0            | 6241         | 37.6                  | 150.5               | GGGG                 | 184                   | 29                   |
| 04411E                      | 4438N             | 2695-06574                              | 00000/0000       | 2-20037/1123        | 12/17/76        | 100          | 9685         | 16.5                  | 151.0               | GGGG                 | 181                   | 38                   |
| 04411E                      | 3143N             | 2422-06524                              | 00000/0000       | 2-20027/0286        | 03/19/76        | 0            | 5878         | 44.1                  | 127.9               | GGGG                 | 181                   | 38                   |
| 04411E                      | 3140N             | 2494-06504                              | 00000/0000       | 2-20026/0439        | 05/30/76        | 0            | 6882         | 59.5                  | 100.8               | FFGP                 | 181                   | 38                   |
| 04411E                      | 3140N             | 2548-06491                              | 00000/0000       | 2-20028/1630        | 07/23/76        | 0            | 7635         | 56.6                  | 101.8               | GGGG                 | 181                   | 38                   |
| 04410E                      | 5844N             | 2466-07292                              | 00000/0000       | 2-20024/1091        | 05/02/76        | 100          | 6492         | 43.6                  | 149.2               | GGGG                 | 181                   | 38                   |
| 04410E                      | 4439N             | 2713-06565                              | 00000/0000       | 2-20038/0708        | 01/04/77        | 10           | 9936         | 16.3                  | 148.7               | GGGG                 | 184                   | 29                   |
| 04410E                      | 3135N             | 2512-06501                              | 00000/0000       | 2-20026/1789        | 06/17/76        | 0            | 7133         | 59.4                  | 97.1                | GGGG                 | 181                   | 38                   |
| 04409E                      | 4437N             | 2731-06561                              | 00000/0000       | 2-20038/1617        | 01/22/77        | 100          | 187          | 18.4                  | 145.7               | FFGG                 | 184                   | 29                   |
| 04409E                      | 4430N             | 2497-07040                              | 00000/0000       | 2-20026/0627        | 06/02/76        | 30           | 6924         | 57.3                  | 123.3               | GGGG                 | 184                   | 29                   |
| 04409E                      | 3145N             | 2602-06474                              | 00000/0000       | 2-20032/1336        | 09/15/76        | 10           | 8388         | 47.9                  | 126.5               | FFGG                 | 181                   | 38                   |
| 04408E                      | 5845N             | 2574-07262                              | 00000/0000       | 2-20030/1388        | 08/18/76        | 90           | 7998         | 40.6                  | 147.1               | PGPG                 | 189                   | 19                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV<br>MSS                              |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 04408E                      | 4434N             | 2605-07010                              | 00000/0000       | 2-20032/1485        | 09/18/76        | 10           | 8430         | 40.1                  | 140.6               | FGGG                 | 184                   | 29                   |
| 04408E                      | 4431N             | 2551-07023                              | 00000/0000       | 2-20030/0150        | 07/26/76        | 20           | 7677         | 53.6                  | 123.3               | GGGG                 | 184                   | 29                   |
| 04408E                      | 4428N             | 2533-07030                              | 00000/0000       | 2-20028/0921        | 07/08/76        | 30           | 7426         | 56.2                  | 120.4               | GGGG                 | 184                   | 29                   |
| 04407E                      | 5840N             | 2430-07302                              | 00000/0000       | 2-20027/0868        | 03/27/76        | 40           | 5990         | 30.8                  | 151.2               | GGGG                 | 189                   | 19                   |
| 04407E                      | 4431N             | 2677-06582                              | 00000/0000       | 2-20036/1560        | 11/29/76        | 90           | 9434         | 19.1                  | 152.2               | FGFG                 | 184                   | 29                   |
| 04407E                      | 4424N             | 2515-07034                              | 00000/0000       | 2-20027/0171        | 06/20/76        | 70           | 7175         | 57.6                  | 120.3               | GGGG                 | 184                   | 29                   |
| 04407E                      | 3140N             | 2620-06471                              | 00000/0000       | 2-20034/0258        | 10/03/76        | 0            | 8639         | 43.5                  | 134.4               | FGGG                 | 181                   | 38                   |
| 04406E                      | 5836N             | 2484-07245                              | 00000/0000       | 2-20025/0941        | 05/20/76        | 20           | 6743         | 48.1                  | 147.2               | GGGG                 | 189                   | 19                   |
| 04406E                      | 4427N             | 2659-06591                              | 00000/0000       | 2-20036/0443        | 11/11/76        | 90           | 9183         | 23.3                  | 151.8               | GGFG                 | 184                   | 29                   |
| 04406E                      | 4023N             | 2460-07009                              | 00000/0000       | 2-20024/1173        | 04/26/76        | 10           | 6408         | 52.4                  | 126.9               | GGGG                 | 183                   | 32                   |
| 04406E                      | 4019N             | 2478-07000                              | 00000/0000       | 2-20025/0457        | 05/14/76        | 80           | 6659         | 56.4                  | 121.3               | GGGG                 | 183                   | 32                   |
| 04405E                      | 5844N             | 2592-07255                              | 00000/0000       | 2-20032/0752        | 09/05/76        | 10           | 8249         | 34.8                  | 150.6               | FGFG                 | 189                   | 19                   |
| 04405E                      | 4429N             | 2623-07003                              | 00000/0000       | 2-20034/0343        | 10/06/76        | 90           | 8681         | 34.4                  | 145.8               | FGGG                 | 184                   | 29                   |
| 04405E                      | 4022N             | 2442-07010                              | 00000/0000       | 2-20022/1492        | 04/08/76        | 70           | 6157         | 46.8                  | 131.6               | GGGG                 | 183                   | 32                   |
| 04405E                      | 3559N             | 2549-06534                              | 00000/0000       | 2-20030/0292        | 07/24/76        | 0            | 7649         | 56.1                  | 109.2               | GGGG                 | 182                   | 35                   |
| 04404E                      | 4429N             | 2641-06595                              | 00000/0000       | 2-20034/1052        | 10/24/76        | 90           | 8932         | 28.6                  | 149.7               | GGGG                 | 184                   | 29                   |
| 04403E                      | 4022N             | 2712-06523                              | 00000/0000       | 2-20038/0583        | 01/03/77        | 20           | 9922         | 19.3                  | 147.0               | GGGG                 | 183                   | 32                   |
| 04403E                      | 3559N             | 2531-06541                              | 00000/0000       | 2-20028/0807        | 07/06/76        | 0            | 7398         | 58.1                  | 105.4               | GGGG                 | 182                   | 35                   |
| 04402E                      | 4022N             | 2694-06531                              | 00000/0000       | 2-20037/1077        | 12/16/76        | 50           | 9671         | 19.9                  | 149.3               | FGGG                 | 183                   | 32                   |
| 04402E                      | 4020N             | 2730-06515                              | 00000/0000       | 2-20038/1650        | 01/21/77        | 30           | 173          | 21.1                  | 143.9               | GGGG                 | 183                   | 32                   |
| 04402E                      | 4017N             | 2424-07013                              | 00000/0000       | 2-20022/0307        | 03/21/76        | 90           | 5906         | 40.4                  | 135.5               | GGGG                 | 183                   | 32                   |
| 04402E                      | 3556N             | 2495-06551                              | 00000/0000       | 2-20026/0509        | 05/31/76        | 10           | 6896         | 59.3                  | 108.4               | GG F                 | 182                   | 35                   |
| 04402E                      | 0246N             | 2381-06333                              | 00000/0000       | 2-20020/1096        | 02/07/76        | 30           | 5306         | 45.5                  | 115.6               | GGGG                 | 176                   | 58                   |
| 04401E                      | 5836N             | 2556-07270                              | 00000/0000       | 2-20030/0431        | 07/31/76        | 80           | 7747         | 45.4                  | 144.1               | G GG                 | 189                   | 19                   |
| 04401E                      | 4022N             | 2586-06570                              | 00000/0000       | 2-20032/0405        | 08/30/76        | 10           | 8165         | 47.8                  | 129.3               | GGGG                 | 183                   | 32                   |
| 04401E                      | 4016N             | 2532-06584                              | 00000/0000       | 2-20028/0865        | 07/07/76        | 20           | 7412         | 57.4                  | 113.1               | GGGG                 | 183                   | 32                   |
| 04401E                      | 4015N             | 2496-06593                              | 00000/0000       | 2-20026/0132        | 06/01/76        | 10           | 6910         | 58.5                  | 116.0               | GGGG                 | 183                   | 32                   |
| 04401E                      | 3601N             | 2603-06521                              | 00000/0000       | 2-20037/0886        | 09/16/76        | 40           | 8402         | 45.6                  | 131.6               | FGGG                 | 182                   | 35                   |
| 04401E                      | 3554N             | 2513-06544                              | 00000/0000       | 2-20026/1840        | 06/18/76        | 0            | 7147         | 59.3                  | 105.0               | GGGG                 | 182                   | 35                   |
| 04400E                      | 5832N             | 2502-07239                              | 00000/0000       | 2-20026/0918        | 06/07/76        | 70           | 6994         | 50.5                  | 144.7               | GGGG                 | 189                   | 19                   |
| 04400E                      | 4019N             | 2604-06563                              | 00000/0000       | 2-20034/0294        | 09/17/76        | 20           | 8416         | 43.0                  | 136.3               | GGGG                 | 183                   | 32                   |
| 04400E                      | 4010N             | 2514-06591                              | 00000/0000       | 2-20026/1891        | 06/19/76        | 20           | 7161         | 58.7                  | 112.8               | GGGG                 | 183                   | 32                   |
| 04359E                      | 4016N             | 2676-06540                              | 00000/0000       | 2-20036/1587        | 11/28/76        | 70           | 9420         | 22.5                  | 150.3               | GGGG                 | 183                   | 32                   |
| 04359E                      | 4014N             | 2658-06544                              | 00000/0000       | 2-20036/0262        | 11/10/76        | 50           | 9169         | 26.8                  | 149.5               | GGGG                 | 183                   | 32                   |
| 04359E                      | 3558N             | 2639-06510                              | 00000/0000       | 2-20034/0999        | 10/22/76        | 10           | 8904         | 35.4                  | 143.9               | GGGG                 | 182                   | 35                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>REV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04358E 5829N                            | 2412-07310        | 00000/0000                   | 2-20021/1367                | 03/09/76         | 10                  | 5739            | 23.8         | 151.7        | FGGG                               |                     |                      | 189                   | 19                   |
| 04358E 4731N                            | 2444-0710P        | 00000/0000                   | 2-20022/1860                | 04/10/76         | 20                  | 6185            | 43.6         | 139.0        | G GG                               |                     |                      | 185                   | 27                   |
| 04358E 4731N                            | 2462-0709S        | 00000/0000                   | 2-20024/0794                | 04/28/76         | 40                  | 6436            | 49.4         | 135.8        | GGGG                               |                     |                      | 183                   | 27                   |
| 04358E 4014N                            | 2640-0655P        | 00000/0000                   | 2-20034/0980                | 10/23/76         | 20                  | 8918            | 32.1         | 146.9        | GGGG                               |                     |                      | 183                   | 32                   |
| 04358E 3552N                            | 2369-06583        | 00000/0000                   | 2-20020/0306                | 01/26/76         | 10                  | 5139            | 26.3         | 143.4        | GGGG                               |                     |                      | 181                   | 35                   |
| 04357E 5830N                            | 2538-07273        | 00000/0000                   | 2-20028/1294                | 07/13/76         | 90                  | 7496            | 49.0         | 142.6        | GGGG                               |                     |                      | 189                   | 19                   |
| 04357E 5827N                            | 2520-07250        | 00000/0000                   | 2-20024/0031                | 06/25/76         | 70                  | 7245            | 50.8         | 142.8        | GGGG                               |                     |                      | 189                   | 19                   |
| 04357E 4008N                            | 2370-07030        | 00000/0000                   | 2-20020/0469                | 01/27/76         | 10                  | 5153            | 23.5         | 143.4        | GGGG                               |                     |                      | 183                   | 32                   |
| 04356E 4012N                            | 2622-06560        | 00000/0000                   | 2-20034/0369                | 10/05/76         | 10                  | 8667            | 37.7         | 142.3        | GGGG                               |                     |                      | 183                   | 32                   |
| 04356E 1426N                            | 2365-06415        | 00000/0000                   | 2-20020/0082                | 01/22/76         | 0                   | 5083            | 39.0         | 131.3        | GGG                                |                     |                      | 178                   | 30                   |
| 04354E 4728N                            | 2714-07015        | 00000/0000                   | 2-20038/0724                | 01/05/77         | 50                  | 9930            | 14.2         | 149.8        | GGGG                               |                     |                      | 185                   | 27                   |
| 04353E 4731N                            | 2588-0706P        | 00000/0000                   | 2-20032/0511                | 09/01/76         | 90                  | 8193            | 43.4         | 138.0        | GGGG                               |                     |                      | 185                   | 27                   |
| 04353E 4729N                            | 2570-0706P        | 00000/0000                   | 2-20030/1253                | 08/14/76         | 20                  | 7942            | 48.3         | 132.5        | GGGG                               |                     |                      | 185                   | 27                   |
| 04353E 4725N                            | 2426-07105        | 00000/0000                   | 2-20022/0538                | 03/23/76         | 100                 | 5934            | 36.9         | 141.4        | GGGG                               |                     |                      | 185                   | 27                   |
| 04353E 4722N                            | 2480-0709P        | 00000/0000                   | 2-20025/0492                | 05/16/76         | 10                  | 6687            | 53.8         | 131.8        | GGGG                               |                     |                      | 185                   | 27                   |
| 04352E 5558N                            | 2465-07243        | 00000/0000                   | 2-20024/1121                | 05/01/76         | 100                 | 8478            | 45.2         | 145.9        | GGGG                               |                     |                      | 183                   | 21                   |
| 04352E 4727N                            | 2696-07023        | 00000/0000                   | 2-20037/1063                | 12/18/76         | 100                 | 9699            | 14.3         | 152.1        | GGGG                               |                     |                      | 185                   | 27                   |
| 04351E 4726N                            | 2606-07055        | 00000/0000                   | 2-20032/1581                | 09/19/76         | 60                  | 8444            | 38.0         | 143.4        | GGGG                               |                     |                      | 183                   | 27                   |
| 04351E 4721N                            | 2678-0703P        | 00000/0000                   | 2-20036/0726                | 11/30/76         | 100                 | 9448            | 16.7         | 153.4        | GGGG                               |                     |                      | 184                   | 27                   |
| 04350E 4718N                            | 2493-07085        | 00000/0000                   | 2-20026/0691                | 06/03/76         | 100                 | 8938            | 56.2         | 127.8        | FGGG                               |                     |                      | 185                   | 27                   |
| 04349E 4716N                            | 2516-07083        | 00000/0000                   | 2-20027/0219                | 06/21/76         | 20                  | 7189            | 56.6         | 125.2        | GGGG                               |                     |                      | 185                   | 27                   |
| 04348E 5558N                            | 2591-07210        | 00000/0000                   | 2-20032/0777                | 09/04/76         | 50                  | 8235            | 37.1         | 147.5        | GGGG                               |                     |                      | 183                   | 21                   |
| 04348E 4718N                            | 2642-07044        | 00000/0000                   | 2-20035/0152                | 10/25/76         | 90                  | 8946            | 26.2         | 151.5        | GGGG                               |                     |                      | 185                   | 27                   |
| 04348E 4716N                            | 2534-07080        | 00000/0000                   | 2-20028/1013                | 07/09/76         | 30                  | 7440            | 55.1         | 125.1        | FGGG                               |                     |                      | 185                   | 27                   |
| 04348E 4714N                            | 2372-0712P        | 00000/0000                   | 2-20020/0539                | 01/29/76         | 100                 | 5181            | 18.8         | 148.6        | FGGG                               |                     |                      | 183                   | 27                   |
| 04347E 6007N                            | 2575-07314        | 00000/0000                   | 2-20030/1458                | 08/19/76         | 90                  | 8012            | 39.3         | 148.9        | FFFF                               |                     |                      | 190                   | 18                   |
| 04347E 5555N                            | 2573-07213        | 00000/0000                   | 2-20030/1649                | 08/17/76         | 70                  | 7984            | 42.7         | 143.5        | GGGG                               |                     |                      | 183                   | 21                   |
| 04347E 4717N                            | 2624-0705P        | 00000/0000                   | 2-20034/0500                | 10/07/76         | 70                  | 8695            | 32.1         | 148.1        | GGGG                               |                     |                      | 185                   | 27                   |
| 04346E 6009N                            | 2467-07344        | 00000/0000                   | 2-20024/1285                | 05/03/76         | 70                  | 8506            | 42.9         | 151.0        | FGGG                               |                     |                      | 190                   | 18                   |
| 04346E 5310N                            | 2454-07193        | 00000/0000                   | 2-20024/1007                | 04/30/76         | 30                  | 6464            | 46.7         | 142.6        | GGGF                               |                     |                      | 187                   | 23                   |
| 04346E 4717N                            | 2660-07040        | 00000/0000                   | 2-20036/0419                | 11/12/76         | 90                  | 9197            | 20.8         | 153.3        | GGGG                               |                     |                      | 185                   | 27                   |
| 04346E 4712N                            | 2390-07120        | 00000/0000                   | 2-20020/1578                | 02/16/76         | 0                   | 5432            | 23.8         | 145.9        | GGGG                               |                     |                      | 185                   | 27                   |
| 04345E 5020N                            | 2463-07144        | 00000/0000                   | 2-20024/0930                | 04/29/76         | 90                  | 6450            | 48.1         | 139.2        | GGGG                               |                     |                      | 186                   | 25                   |
| 04344E 5551N                            | 2555-07220        | 00000/0000                   | 2-20030/0446                | 07/30/76         | 30                  | 7733            | 47.3         | 140.2        | GGGG                               |                     |                      | 188                   | 21                   |
| 04344E 5311N                            | 2446-07200        | 00000/0000                   | 2-20023/0082                | 04/12/76         | 90                  | 6213            | 40.7         | 144.7        | GGGG                               |                     |                      | 187                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04343E 5545N                            | 2501-07233        | 00000/0000                   | 2-20026/0887                | 06/06/76         | 30                  | 6980            | 52.1         | 140.7        | GGGG                               |                     |                      | 188                   | 21                   |
| 04343E 5020N                            | 2559-07112        | 00000/0000                   | 2-20032/0542                | 09/02/76         | 90                  | 8207            | 41.4         | 141.2        | GGG                                |                     |                      | 186                   | 25                   |
| 04343E 5015N                            | 2481-07141        | 00000/0000                   | 2-20025/0890                | 05/17/76         | 40                  | 6701            | 52.6         | 135.8        | GGGG                               |                     |                      | 186                   | 25                   |
| 04343E 4715N                            | 2408-07113        | 00000/0000                   | 2-20021/1110                | 03/05/76         | 40                  | 5683            | 30.1         | 143.6        | GGGG                               |                     |                      | 185                   | 27                   |
| 04343E 4317N                            | 2461-07052        | 00000/0000                   | 2-20024/0662                | 04/27/76         | 30                  | 6422            | 51.4         | 130.5        | GGGG                               |                     |                      | 184                   | 30                   |
| 04342E 5311N                            | 2590-07161        | 00000/0000                   | 2-20032/0618                | 09/03/76         | 60                  | 8221            | 39.3         | 144.4        | FGGG                               |                     |                      | 187                   | 23                   |
| 04342E 5308N                            | 2716-07113        | 00000/0000                   | 2-20038/1006                | 01/07/77         | 20                  | 9978            | 10.1         | 152.0        | GGF                                |                     |                      | 187                   | 23                   |
| 04342E 5016N                            | 2697-07072        | 00000/0000                   | 2-20037/1056                | 12/19/76         | 90                  | 9713            | 12.0         | 153.2        | GGGG                               |                     |                      | 186                   | 25                   |
| 04342E 5014N                            | 2553-07122        | 00000/0000                   | 2-20030/0235                | 07/28/76         | 70                  | 7705            | 50.8         | 132.1        | GGGG                               |                     |                      | 186                   | 25                   |
| 04342E 0120N                            | 2381-06340        | 00000/0000                   | 2-20020/1097                | 02/07/76         | 30                  | 5306            | 45.9         | 114.1        | GGGG                               |                     |                      | 176                   | 59                   |
| 04341E 5550N                            | 2609-07203        | 00000/0000                   | 2-20032/1613                | 09/22/76         | 70                  | 8486            | 31.0         | 151.4        | GGGG                               |                     |                      | 188                   | 21                   |
| 04341E 5302N                            | 2482-07191        | 00000/0000                   | 2-20025/0845                | 05/18/76         | 70                  | 6715            | 51.2         | 139.7        | GGGG                               |                     |                      | 187                   | 23                   |
| 04341E 4315N                            | 2443-07055        | 00000/0000                   | 2-20022/1624                | 04/09/76         | 0                   | 6171            | 45.7         | 134.6        | GGGG                               |                     |                      | 184                   | 30                   |
| 04341E 4309N                            | 2479-07045        | 00000/0000                   | 2-20025/0467                | 05/15/76         | 80                  | 6673            | 55.6         | 125.6        | GGGG                               |                     |                      | 184                   | 30                   |
| 04340E 5308N                            | 2572-07164        | 00000/0000                   | 2-20030/1424                | 08/16/76         | 20                  | 7970            | 44.7         | 139.9        | GGGG                               |                     |                      | 187                   | 23                   |
| 04340E 5012N                            | 2679-07081        | 00000/0000                   | 2-20036/0733                | 12/01/76         | 90                  | 9462            | 14.2         | 154.7        | FGFG                               |                     |                      | 186                   | 25                   |
| 04339E 5544N                            | 2537-07223        | 00000/0000                   | 2-20028/1221                | 07/12/76         | 30                  | 7482            | 50.7         | 138.4        | FGGG                               |                     |                      | 188                   | 21                   |
| 04339E 5014N                            | 2607-07105        | 00000/0000                   | 2-20032/1657                | 09/20/76         | 20                  | 8458            | 35.7         | 146.1        | GGGG                               |                     |                      | 186                   | 25                   |
| 04339E 3439N                            | 2567-06533        | 00000/0000                   | 2-20030/1074                | 08/11/76         | 0                   | 7900            | 53.7         | 113.7        | GGGG                               |                     |                      | 182                   | 36                   |
| 04338E 6006N                            | 2593-07311        | 00000/0000                   | 2-20032/0952                | 09/06/76         | 70                  | 8263            | 33.5         | 152.2        | GGGG                               |                     |                      | 190                   | 18                   |
| 04338E 5544N                            | 2645-07192        | 00000/0000                   | 2-20035/0099                | 10/28/76         | 70                  | 8988            | 18.6         | 157.0        | GGGG                               |                     |                      | 188                   | 21                   |
| 04338E 5011N                            | 2625-07101        | 00000/0000                   | 2-20034/0564                | 10/08/76         | 90                  | 8709            | 29.6         | 150.3        | FFFF                               |                     |                      | 186                   | 25                   |
| 04338E 5008N                            | 2643-07093        | 00000/0000                   | 2-20035/0128                | 10/26/76         | 90                  | 8960            | 23.7         | 153.3        | GGGG                               |                     |                      | 184                   | 25                   |
| 04338E 5007N                            | 2499-07135        | 00000/0000                   | 2-20026/0775                | 06/04/76         | 100                 | 6952            | 55.0         | 132.2        | GGGG                               |                     |                      | 186                   | 25                   |
| 04338E 4312N                            | 2695-06580        | 00000/0000                   | 2-20037/1105                | 12/17/76         | 80                  | 9685            | 17.6         | 150.4        | GGG                                |                     |                      | 184                   | 30                   |
| 04338E 3440N                            | 2585-06530        | 00000/0000                   | 2-20032/0178                | 08/29/76         | 0                   | 8151            | 50.4         | 121.9        | GGGG                               |                     |                      | 182                   | 36                   |
| 04338E 3433N                            | 2549-06540        | 00000/0000                   | 2-20030/0293                | 07/24/76         | 0                   | 7649            | 56.3         | 106.9        | GGGG                               |                     |                      | 182                   | 36                   |
| 04337E 6001N                            | 2557-07321        | 00000/0000                   | 2-20030/0663                | 08/01/76         | 10                  | 7761            | 44.3         | 146.2        | GGGG                               |                     |                      | 190                   | 18                   |
| 04337E 5545N                            | 2627-07200        | 00000/0000                   | 2-20034/0606                | 10/10/76         | 20                  | 8737            | 24.7         | 154.7        | GGGG                               |                     |                      | 188                   | 21                   |
| 04337E 5541N                            | 2519-07231        | 00000/0000                   | 2-20027/0471                | 06/24/76         | 50                  | 7231            | 52.5         | 138.6        | FFFF                               |                     |                      | 188                   | 21                   |
| 04337E 5541N                            | 2663-07184        | 00000/0000                   | 2-20036/0698                | 11/15/76         | 90                  | 9239            | 13.3         | 157.8        | GGGG                               |                     |                      | 188                   | 21                   |
| 04337E 5303N                            | 2428-07204        | 00000/0000                   | 2-20022/0643                | 03/25/76         | 10                  | 5962            | 34.0         | 146.1        | GGG                                |                     |                      | 187                   | 23                   |
| 04337E 5007N                            | 2535-07125        | 00000/0000                   | 2-20028/1078                | 07/10/76         | 90                  | 7454            | 53.8         | 129.7        | GGGG                               |                     |                      | 186                   | 25                   |
| 04337E 4313N                            | 2713-06572        | 00000/0000                   | 2-20038/0709                | 01/04/77         | 10                  | 9936            | 17.3         | 148.1        | GGGG                               |                     |                      | 184                   | 30                   |
| 04337E 4312N                            | 2731-06564        | 00000/0000                   | 2-20038/1618                | 01/22/77         | 60                  | 187             | 19.3         | 145.0        | GGGG                               |                     |                      | 184                   | 30                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POS. OF IMAGE | OBSERVATION ID | MICROFILM ROLL NO. POSITION IN ROLL | DATE ACQUIRED | CLOUD COVER % | ORBIT NUMBER | SUN ELEV. | SUN AZIM. | IMAGE QUAL. RBV | MSS QUAL. MSS | MSS DATA MODE | MSS IMAGE GAIN | ORBIT PATH NUM. | FRAME ROW NUM. |
|-------------------------|----------------|-------------------------------------|---------------|---------------|--------------|-----------|-----------|-----------------|---------------|---------------|----------------|-----------------|----------------|
| 04337E                  | 4306N          | 2551-07030                          | 00000/0000    | 2-20030/0151  | 07/26/76     | 20        | 7677      | 54.1            | 121.2         | GGGG          |                | 184             | 30             |
| 04337E                  | 4305N          | 2497-07043                          | 00000/0000    | 2-20026/0628  | 06/02/76     | 40        | 6924      | 57.8            | 120.8         | GGGG          |                | 184             | 30             |
| 04337E                  | 3433N          | 2531-06543                          | 00000/0000    | 2-20028/0808  | 07/06/76     | 0         | 7398      | 58.2            | 102.8         | GGGG          |                | 182             | 36             |
| 04336E                  | 5301N          | 2680-07130                          | 00000/0000    | 2-20037/0609  | 12/02/76     | 100       | 9476      | 11.8            | 156.0         | GGGG          |                | 187             | 23             |
| 04336E                  | 5259N          | 2500-07184                          | 00000/0000    | 2-20026/0806  | 06/05/76     | 90        | 6966      | 53.6            | 134.5         | GGGG          |                | 187             | 23             |
| 04336E                  | 5006N          | 2661-07085                          | 00000/0000    | 2-20036/0963  | 11/13/76     | 70        | 9211      | 18.3            | 154.8         | GGGG          |                | 186             | 26             |
| 04336E                  | 5004N          | 2517-07132                          | 00000/0000    | 2-20027/0309  | 06/22/76     | 10        | 7203      | 55.4            | 129.8         | GGGG          |                | 186             | 26             |
| 04336E                  | 4303N          | 2533-07033                          | 00000/0000    | 2-20028/0922  | 07/08/76     | 40        | 7426      | 56.6            | 118.0         | GGGG          |                | 184             | 30             |
| 04336E                  | 3856N          | 2442-07012                          | 00000/0000    | 2-20027/1493  | 04/08/76     | 70        | 6157      | 47.5            | 130.0         | GGGG          |                | 183             | 32             |
| 04336E                  | 3431N          | 2495-06553                          | 00000/0000    | 2-20026/0510  | 05/31/76     | 0         | 6896      | 59.4            | 105.8         | GGGG          |                | 182             | 36             |
| 04335E                  | 4309N          | 2605-07013                          | 00000/0000    | 2-20032/1486  | 09/18/76     | 10        | 8430      | 41.0            | 139.3         | GGGG          |                | 184             | 30             |
| 04335E                  | 4306N          | 2677-06585                          | 00000/0000    | 2-20036/1561  | 11/29/76     | 10        | 9434      | 20.2            | 151.6         | GGGG          |                | 184             | 30             |
| 04335E                  | 4259N          | 2515-07040                          | 00000/0000    | 2-20027/0172  | 06/20/76     | 60        | 7175      | 58.0            | 117.8         | GGGG          |                | 184             | 30             |
| 04335E                  | 3429N          | 2513-06550                          | 00000/0000    | 2-20026/1841  | 06/18/76     | 0         | 7147      | 59.4            | 102.4         | GGGG          |                | 182             | 36             |
| 04335E                  | 1300N          | 2365-06422                          | 00000/0000    | 2-20020/0083  | 01/22/76     | 20        | 5083      | 39.8            | 130.2         | GGGG          |                | 178             | 31             |
| 04334E                  | 5300N          | 2608-07154                          | 00000/0000    | 2-20032/1554  | 09/21/76     | 0         | 8472      | 33.4            | 148.7         | GGGG          |                | 187             | 23             |
| 04334E                  | 4302N          | 2659-06593                          | 00000/0000    | 2-20036/0444  | 11/11/76     | 30        | 9183      | 24.4            | 151.1         | GGGG          |                | 184             | 30             |
| 04334E                  | 3435N          | 2603-06523                          | 00000/0000    | 2-20032/0887  | 09/16/76     | 10        | 8402      | 46.3            | 130.1         | GGGG          |                | 182             | 36             |
| 04333E                  | 5257N          | 2626-07150                          | 00000/0000    | 2-20034/0575  | 10/09/76     | 100       | 8723      | 27.2            | 152.5         | GGGG          |                | 187             | 23             |
| 04333E                  | 5256N          | 2644-07143                          | 00000/0000    | 2-20035/0059  | 10/27/76     | 90        | 8974      | 21.1            | 155.1         | GGGG          |                | 187             | 23             |
| 04333E                  | 5255N          | 2518-07181                          | 00000/0000    | 2-20028/0095  | 06/23/76     | 60        | 7217      | 54.0            | 134.3         | GGGG          |                | 187             | 23             |
| 04333E                  | 5254N          | 2374-07221                          | 00000/0000    | 2-20020/0702  | 01/31/76     | 30        | 5209      | 15.1            | 151.2         | GGGG          |                | 187             | 23             |
| 04333E                  | 4304N          | 2623-07005                          | 00000/0000    | 2-20034/0344  | 10/06/76     | 30        | 8681      | 35.4            | 144.8         | GGGG          |                | 187             | 23             |
| 04333E                  | 3857N          | 2694-06534                          | 00000/0000    | 2-20037/1078  | 12/16/76     | 10        | 9671      | 20.9            | 148.7         | GGGG          |                | 183             | 33             |
| 04332E                  | 5254N          | 2536-07174                          | 00000/0000    | 2-20028/1046  | 07/11/76     | 30        | 7468      | 52.4            | 134.1         | GGGG          |                | 187             | 23             |
| 04332E                  | 5253N          | 2410-07211                          | 00000/0000    | 2-20021/1252  | 03/07/76     | 20        | 5711      | 27.0            | 147.4         | GGGG          |                | 187             | 23             |
| 04332E                  | 5252N          | 2392-07214                          | 00000/0000    | 2-20020/1692  | 02/18/76     | 100       | 5460      | 20.5            | 149.1         | GGGG          |                | 187             | 23             |
| 04332E                  | 4304N          | 2641-07001                          | 00000/0000    | 2-20034/1053  | 10/24/76     | 60        | 8932      | 29.7            | 148.8         | GGGG          |                | 184             | 30             |
| 04332E                  | 3856N          | 2586-06573                          | 00000/0000    | 2-20032/0406  | 08/30/76     | 10        | 8165      | 48.4            | 127.6         | GGGG          |                | 183             | 33             |
| 04332E                  | 3849N          | 2496-07000                          | 00000/0000    | 2-20026/0133  | 06/01/76     | 10        | 6910      | 58.8            | 113.5         | GGGG          |                | 183             | 33             |
| 04331E                  | 5954N          | 2503-07334                          | 00000/0000    | 2-20026/0995  | 06/08/76     | 50        | 7008      | 49.7            | 146.7         | GGGG          |                | 190             | 18             |
| 04331E                  | 5253N          | 2662-07134                          | 00000/0000    | 2-20036/0967  | 11/14/76     | 100       | 9225      | 15.8            | 156.3         | GGGG          |                | 187             | 23             |
| 04331E                  | 3854N          | 2604-06570                          | 00000/0000    | 2-20034/0295  | 09/17/76     | 30        | 8414      | 43.8            | 134.9         | GGGG          |                | 183             | 33             |
| 04331E                  | 3426N          | 2369-06590                          | 00000/0000    | 2-20020/0307  | 01/26/76     | 0         | 5139      | 27.3            | 142.7         | GGGG          |                | 182             | 36             |
| 04330E                  | 3851N          | 2676-06542                          | 00000/0000    | 2-20036/1588  | 11/28/76     | 40        | 9420      | 23.6            | 149.6         | GGGG          |                | 183             | 33             |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 04329E 5952N                | 2539-07325        | 00000/0000            | 2-20028/1421         | 07/14/76         | 70                  | 7510            | 48.0         | 144.6        | GGGG                  |                     |                      | 190                   | 18                   |
| 04329E 5951N                | 2521-07332        | 00000/0000            | 2-20028/0191         | 06/26/76         | 70                  | 7259            | 49.9         | 145.0        | GFFG                  |                     |                      | 190                   | 18                   |
| 04329E 3848N                | 2640-06555        | 00000/0000            | 2-20034/0981         | 10/23/76         | 20                  | 8918            | 33.1         | 146.0        | GGGG                  |                     |                      | 183                   | 33                   |
| 04328E 3843N                | 2370-07033        | 00000/0000            | 2-20020/0470         | 01/27/76         | 10                  | 5153            | 24.5         | 144.7        | GGGG                  |                     |                      | 183                   | 33                   |
| 04324E 4607N                | 2462-07101        | 00000/0000            | 2-20024/0795         | 04/28/76         | 30                  | 6436            | 50.2         | 134.0        | GGGG                  |                     |                      | 185                   | 28                   |
| 04323E 4606N                | 2444-07104        | 00000/0000            | 2-20022/1861         | 04/10/76         | 30                  | 6185            | 44.4         | 137.5        | FGGG                  |                     |                      | 185                   | 28                   |
| 04319E 6131N                | 2468-07395        | 00000/0000            | 2-20024/1453         | 05/04/76         | 10                  | 6520            | 42.2         | 152.7        | GGGG                  |                     |                      | 191                   | 17                   |
| 04318E 4606N                | 2588-07065        | 00000/0000            | 2-20032/0512         | 09/01/76         | 80                  | 8193            | 44.3         | 136.5        | GGGG                  |                     |                      | 185                   | 28                   |
| 04318E 4604N                | 2570-07077        | 00000/0000            | 2-20030/1254         | 08/14/76         | 30                  | 7942            | 49.0         | 130.7        | GGGG                  |                     |                      | 185                   | 28                   |
| 04318E 4602N                | 2714-07021        | 00000/0000            | 2-20038/0725         | 01/05/77         | 60                  | 9950            | 15.3         | 149.1        | GGGG                  |                     |                      | 185                   | 28                   |
| 04318E 4600N                | 2426-07112        | 00000/0000            | 2-20022/0539         | 03/23/76         | 90                  | 5934            | 37.8         | 140.2        | GGGG                  |                     |                      | 185                   | 28                   |
| 04318E 4557N                | 2480-07095        | 00000/0000            | 2-20025/0493         | 05/16/76         | 10                  | 6687            | 54.5         | 129.7        | GGGG                  |                     |                      | 185                   | 28                   |
| 04317E 4601N                | 2696-07030        | 00000/0000            | 2-20037/1064         | 12/18/76         | 90                  | 9699            | 15.4         | 151.5        | GGGG                  |                     |                      | 185                   | 28                   |
| 04316E 6131N                | 2576-07370        | 00000/0000            | 2-20032/0051         | 08/20/76         | 70                  | 8026            | 38.0         | 150.8        | GGGG                  |                     |                      | 191                   | 17                   |
| 04316E 5723N                | 2448-07301        | 00000/0000            | 2-20023/0152         | 04/14/76         | 0                   | 6241            | 38.6         | 149.0        | GGGG                  |                     |                      | 189                   | 20                   |
| 04316E 5721N                | 2466-07294        | 00000/0000            | 2-20024/1092         | 05/02/76         | 90                  | 6492            | 44.5         | 147.5        | GGGG                  |                     |                      | 189                   | 20                   |
| 04316E 4555N                | 2678-07034        | 00000/0000            | 2-20036/0727         | 11/30/76         | 100                 | 9448            | 17.8         | 152.8        | GGGG                  |                     |                      | 185                   | 28                   |
| 04316E 4554N                | 2498-07092        | 00000/0000            | 2-20026/0692         | 06/03/76         | 90                  | 6938            | 56.8         | 125.4        | FGGG                  |                     |                      | 185                   | 28                   |
| 04316E 3316N                | 2459-06565        | 00000/0000            | 2-20024/0523         | 04/25/76         | 0                   | 6394            | 54.7         | 116.9        | GFFG                  |                     |                      | 182                   | 37                   |
| 04315E 6129N                | 2594-07363        | 00000/0000            | 2-20032/0983         | 09/07/76         | 10                  | 8277            | 32.1         | 153.9        | GFFG                  |                     |                      | 191                   | 17                   |
| 04315E 4601N                | 2606-07062        | 00000/0000            | 2-20032/1582         | 09/19/76         | 40                  | 8444            | 38.9         | 142.2        | GGGG                  |                     |                      | 185                   | 28                   |
| 04314E 4554N                | 2552-07075        | 00000/0000            | 2-20030/0200         | 07/27/76         | 80                  | 7691            | 52.9         | 125.6        | GGGG                  |                     |                      | 185                   | 28                   |
| 04314E 4553N                | 2642-07051        | 00000/0000            | 2-20035/0153         | 10/25/76         | 100                 | 8946            | 27.2         | 150.7        | GGGG                  |                     |                      | 185                   | 28                   |
| 04314E 4551N                | 2516-07085        | 00000/0000            | 2-20027/0220         | 06/21/76         | 30                  | 7189            | 57.1         | 122.7        | GGGF                  |                     |                      | 185                   | 28                   |
| 04314E 1133N                | 2365-06424        | 00000/0000            | 2-20020/0084         | 01/22/76         | 30                  | 5083            | 40.5         | 129.1        | GFFG                  |                     |                      | 178                   | 52                   |
| 04313E 5721N                | 2574-07265        | 00000/0000            | 2-20030/1389         | 08/18/76         | 90                  | 7998            | 41.5         | 145.4        | PGFG                  |                     |                      | 189                   | 20                   |
| 04313E 5717N                | 2430-07305        | 00000/0000            | 2-20022/0869         | 03/27/76         | 30                  | 5990            | 31.8         | 149.8        | GFFG                  |                     |                      | 189                   | 20                   |
| 04313E 4552N                | 2534-07082        | 00000/0000            | 2-20028/1014         | 07/09/76         | 10                  | 7440            | 55.7         | 122.8        | GGGG                  |                     |                      | 185                   | 28                   |
| 04313E 4551N                | 2624-07055        | 00000/0000            | 2-20034/0501         | 10/07/76         | 20                  | 8695            | 33.1         | 147.0        | GGGG                  |                     |                      | 185                   | 28                   |
| 04313E 4550N                | 2372-07125        | 00000/0000            | 2-20020/0540         | 01/29/76         | 90                  | 5181            | 19.9         | 147.9        | FGGG                  |                     |                      | 185                   | 28                   |
| 04313E 3313N                | 2567-06540        | 00000/0000            | 2-20030/1126         | 08/11/76         | 0                   | 7900            | 54.0         | 111.6        | GGGG                  |                     |                      | 182                   | 37                   |
| 04312E 5712N                | 2484-07292        | 00000/0000            | 2-20025/0942         | 05/20/76         | 90                  | 6743            | 49.0         | 145.2        | GGGG                  |                     |                      | 189                   | 20                   |
| 04312E 4552N                | 2660-07043        | 00000/0000            | 2-20036/0420         | 11/12/76         | 90                  | 9197            | 21.9         | 152.6        | FFGF                  |                     |                      | 185                   | 28                   |
| 04312E 3315N                | 2585-06532        | 00000/0000            | 2-20032/0179         | 08/29/76         | 0                   | 8151            | 50.9         | 120.0        | GGGG                  |                     |                      | 182                   | 37                   |
| 04312E 3308N                | 2541-06543        | 00000/0000            | 2-20030/0294         | 07/24/76         | 0                   | 7649            | 56.4         | 104.5        | GGGG                  |                     |                      | 182                   | 37                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK, NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN REEL    | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|-------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04312E                      | 3307N             | 2477-06562            | 00000/0000 2-20025/0271 | 05/13/76         | 60                  | 6645            | 58.1         | 109.5        | G GG                               |                     |                      | 182                   | 37                   |
| 04311E                      | 5720N             | 2592-07262            | 00000/0000 2-20032/0753 | 09/05/76         | 10                  | 8249            | 35.8         | 149.1        | F GGG                              |                     |                      | 189                   | 20                   |
| 04311E                      | 4548N             | 2390-07122            | 00000/0000 2-20020/1579 | 02/16/76         | 0                   | 5432            | 24.8         | 145.1        | F GGG                              |                     |                      | 185                   | 28                   |
| 04311E                      | 4151N             | 2461-07054            | 00000/0000 2-20024/0663 | 04/27/76         | 30                  | 6422            | 52.0         | 128.6        | G GGG                              |                     |                      | 184                   | 21                   |
| 04311E                      | 3307N             | 2531-06550            | 00000/0000 2-20028/0809 | 07/06/76         | 0                   | 7398            | 58.2         | 100.3        | G GGG                              |                     |                      | 182                   | 37                   |
| 04310E                      | 3305N             | 2495-06560            | 00000/0000 2-20024/0511 | 05/31/76         | 0                   | 6896            | 59.5         | 103.1        | F GGG                              |                     |                      | 182                   | 37                   |
| 04310E                      | 1719N             | 2366-06465            | 00000/0000 2-20020/0139 | 01/23/76         | 10                  | 5097            | 37.5         | 133.1        | G GGG                              |                     |                      | 179                   | 48                   |
| 04309E                      | 5715N             | 2610-07255            | 00000/0000 2-20032/1831 | 09/23/76         | 90                  | 8500            | 29.6         | 152.8        | G GGG                              |                     |                      | 189                   | 20                   |
| 04309E                      | 4149N             | 2443-07062            | 00000/0000 2-20022/1625 | 04/09/76         | 10                  | 6171            | 46.4         | 133.0        | F GGG                              |                     |                      | 184                   | 31                   |
| 04309E                      | 3303N             | 2513-06553            | 00000/0000 2-20026/1842 | 06/18/76         | 0                   | 7147            | 59.4         | 99.7         | G GGG                              |                     |                      | 184                   | 31                   |
| 04308E                      | 6122N             | 2558-07373            | 00000/0000 2-20030/0649 | 08/02/76         | 20                  | 7775            | 43.2         | 148.1        | G GGG                              |                     |                      | 191                   | 17                   |
| 04308E                      | 4550N             | 2408-07115            | 00000/0000 2-20021/1111 | 03/05/76         | 60                  | 5683            | 31.0         | 142.6        | G GGG                              |                     |                      | 185                   | 28                   |
| 04308E                      | 3309N             | 2603-06530            | 00000/0000 2-20032/0883 | 09/16/76         | 0                   | 8402            | 47.0         | 128.5        | G GGG                              |                     |                      | 182                   | 37                   |
| 04307E                      | 6115N             | 2504-07390            | 00000/0000 2-20026/1125 | 06/09/76         | 70                  | 7022            | 48.9         | 148.7        | G GGG                              |                     |                      | 191                   | 17                   |
| 04307E                      | 5713N             | 2556-07272            | 00000/0000 2-20030/0432 | 07/31/76         | 90                  | 7747            | 46.2         | 142.2        | G GG                               |                     |                      | 189                   | 20                   |
| 04307E                      | 5709N             | 2502-07285            | 00000/0000 2-20026/0919 | 06/07/76         | 60                  | 6994            | 51.4         | 142.6        | G GGG                              |                     |                      | 189                   | 20                   |
| 04307E                      | 4855N             | 2463-07151            | 00000/0000 2-20024/0931 | 04/29/76         | 80                  | 6450            | 49.0         | 137.4        | G GGG                              |                     |                      | 186                   | 24                   |
| 04307E                      | 3303N             | 2405-06583            | 00000/0000 2-20021/1010 | 03/02/76         | 10                  | 5641            | 37.7         | 133.7        | G GGG                              |                     |                      | 182                   | 37                   |
| 04306E                      | 6116N             | 2540-07380            | 00000/0000 2-20028/1474 | 07/15/76         | 20                  | 7524            | 46.9         | 146.8        | G GGG                              |                     |                      | 191                   | 17                   |
| 04305E                      | 4854N             | 2715-07070            | 00000/0000 2-20038/0743 | 01/06/77         | 90                  | 9964            | 13.2         | 150.2        | F GGG                              |                     |                      | 186                   | 24                   |
| 04305E                      | 3728N             | 2568-06582            | 00000/0000 2-20030/1095 | 08/12/76         | 10                  | 7914            | 52.8         | 118.3        | G GGG                              |                     |                      | 183                   | 34                   |
| 04305E                      | 3300N             | 2369-06592            | 00000/0000 2-20020/0308 | 01/26/76         | 0                   | 5139            | 28.2         | 141.9        | G GGG                              |                     |                      | 182                   | 37                   |
| 04305E                      | 3300N             | 2387-06590            | 00000/0000 2-20020/1354 | 02/13/76         | 10                  | 5390            | 32.3         | 137.9        | G GGG                              |                     |                      | 182                   | 37                   |
| 04304E                      | 6112N             | 2522-07383            | 00000/0000 2-20028/0155 | 06/27/76         | 40                  | 7273            | 43.0         | 147.0        | G GGG                              |                     |                      | 191                   | 17                   |
| 04304E                      | 4855N             | 2589-07114            | 00000/0000 2-20032/0440 | 09/02/76         | 80                  | 8207            | 42.3         | 139.8        | G GGG                              |                     |                      | 186                   | 24                   |
| 04304E                      | 4850N             | 2481-07144            | 00000/0000 2-20025/0891 | 05/17/76         | 70                  | 6701            | 53.3         | 133.8        | G GGG                              |                     |                      | 184                   | 26                   |
| 04304E                      | 4143N             | 2605-07015            | 00000/0000 2-20037/1487 | 09/18/76         | 10                  | 8430            | 41.8         | 138.0        | G GGG                              |                     |                      | 184                   | 26                   |
| 04304E                      | 3725N             | 2532-06593            | 00000/0000 2-20028/0866 | 07/07/76         | 0                   | 7412            | 57.9         | 108.1        | G GGG                              |                     |                      | 183                   | 34                   |
| 04304E                      | 3724N             | 2496-07002            | 00000/0000 2-20026/0134 | 06/01/76         | 10                  | 6910            | 59.1         | 110.9        | G GGG                              |                     |                      | 183                   | 34                   |
| 04303E                      | 5707N             | 2538-07275            | 00000/0000 2-20028/1293 | 07/13/76         | 40                  | 7496            | 49.8         | 140.5        | G GGG                              |                     |                      | 189                   | 20                   |
| 04303E                      | 5705N             | 2412-07312            | 00000/0000 2-20021/1368 | 03/09/76         | 20                  | 5739            | 24.8         | 150.5        | G GGG                              |                     |                      | 189                   | 20                   |
| 04303E                      | 5704N             | 2520-07282            | 00000/0000 2-20028/0032 | 04/25/76         | 40                  | 7245            | 51.6         | 140.7        | G GGG                              |                     |                      | 189                   | 20                   |
| 04303E                      | 5703N             | 2664-07235            | 00000/0000 2-20036/1140 | 11/16/76         | 90                  | 9253            | 11.5         | 158.7        | G GGG                              |                     |                      | 189                   | 20                   |
| 04303E                      | 5437N             | 2447-07252            | 00000/0000 2-20023/0056 | 04/13/76         | 10                  | 6227            | 40.1         | 146.1        | G GGG                              |                     |                      | 188                   | 22                   |
| 04303E                      | 5434N             | 2465-07245            | 00000/0000 2-20024/1122 | 05/07/76         | 100                 | 6478            | 46.1         | 144.2        | G GGG                              |                     |                      | 188                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, F=FAIR,  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04303E 5147N                            | 2464-07200        | 00000/0000                   | 2-20024/1008                | 04/30/76         | 20                  | 6464            | 47.6         | 140.8        | GGGG                               |                     |                      | 187                   | 24                   |
| 04303E 4851N                            | 2497-07075        | 00000/0000                   | 2-20037/1057                | 12/19/76         | 90                  | 9713            | 13.1         | 152.6        | GGGG                               |                     |                      | 186                   | 24                   |
| 04303E 4849N                            | 2553-07124        | 00000/0000                   | 2-20030/0236                | 07/28/76         | 40                  | 7705            | 51.4         | 130.1        | GGGG                               |                     |                      | 186                   | 26                   |
| 04303E 4133N                            | 2515-07043        | 00000/0000                   | 2-20027/0173                | 05/20/76         | 60                  | 7175            | 58.4         | 115.2        | GGGG                               |                     |                      | 184                   | 31                   |
| 04303E 3728N                            | 2604-06572        | 00000/0000                   | 2-20034/0296                | 09/17/76         | 20                  | 8416            | 44.6         | 133.4        | GGGG                               |                     |                      | 183                   | 34                   |
| 04302E 4847N                            | 2679-07083        | 00000/0000                   | 2-20036/0734                | 12/01/76         | 100                 | 9462            | 15.3         | 154.1        | GG G                               |                     |                      | 186                   | 26                   |
| 04302E 3726N                            | 2676-06545        | 00000/0000                   | 2-20036/1589                | 11/28/76         | 30                  | 9420            | 24.7         | 149.0        | GGFF                               |                     |                      | 183                   | 34                   |
| 04301E 5704N                            | 2646-07244        | 00000/0000                   | 2-20035/0226                | 10/29/76         | 80                  | 9002            | 17.1         | 157.9        | GGGG                               |                     |                      | 189                   | 20                   |
| 04301E 3723N                            | 2640-06561        | 00000/0000                   | 2-20034/0982                | 10/23/76         | 10                  | 8918            | 34.1         | 145.0        | GGGG                               |                     |                      | 183                   | 34                   |
| 04300E 5706N                            | 2628-07251        | 00000/0000                   | 2-20034/0595                | 10/11/76         | 80                  | 8751            | 23.3         | 155.9        | GGGG                               |                     |                      | 189                   | 20                   |
| 04300E 5434N                            | 2591-07213        | 00000/0000                   | 2-20032/0778                | 09/04/76         | 30                  | 8235            | 38.1         | 146.1        | GGGG                               |                     |                      | 188                   | 22                   |
| 04300E 4849N                            | 2607-07111        | 00000/0000                   | 2-20032/1658                | 09/20/76         | 30                  | 8458            | 36.7         | 144.9        | GGGG                               |                     |                      | 186                   | 26                   |
| 04300E 4844N                            | 2643-07100        | 00000/0000                   | 2-20035/0129                | 10/26/76         | 70                  | 8960            | 24.8         | 152.5        | GGGG                               |                     |                      | 186                   | 26                   |
| 04300E 4842N                            | 2499-07141        | 00000/0000                   | 2-20026/0776                | 06/04/76         | 80                  | 6952            | 55.7         | 129.9        | GGGG                               |                     |                      | 186                   | 26                   |
| 04300E 3718N                            | 2370-07035        | 00000/0000                   | 2-20020/0471                | 01/27/76         | 0                   | 5153            | 25.5         | 143.9        | GGGG                               |                     |                      | 183                   | 34                   |
| 04259E 5432N                            | 2573-07220        | 00000/0000                   | 2-20030/1650                | 08/17/76         | 90                  | 7984            | 43.6         | 141.8        | GGGG                               |                     |                      | 188                   | 22                   |
| 04259E 5429N                            | 2429-07260        | 00000/0000                   | 2-20022/0464                | 03/26/76         | 10                  | 5976            | 33.4         | 147.3        | GGGG                               |                     |                      | 188                   | 22                   |
| 04259E 5146N                            | 2590-07163        | 00000/0000                   | 2-20032/0619                | 09/03/76         | 30                  | 8221            | 40.2         | 143.0        | GGGG                               |                     |                      | 187                   | 24                   |
| 04259E 5144N                            | 2716-07120        | 00000/0000                   | 2-20038/1007                | 01/07/77         | 30                  | 9978            | 11.2         | 151.4        | GGF                                |                     |                      | 187                   | 24                   |
| 04259E 4846N                            | 2625-07104        | 00000/0000                   | 2-20034/0565                | 10/08/76         | 90                  | 8709            | 30.7         | 149.3        | GGGG                               |                     |                      | 186                   | 26                   |
| 04259E 4844N                            | 2535-07131        | 00000/0000                   | 2-20028/1079                | 07/10/76         | 90                  | 7454            | 34.4         | 127.5        | GGGG                               |                     |                      | 186                   | 26                   |
| 04259E 4840N                            | 2517-07135        | 00000/0000                   | 2-20027/0310                | 06/22/76         | 10                  | 7203            | 26.0         | 127.4        | GGGG                               |                     |                      | 186                   | 26                   |
| 04258E 5425N                            | 2433-07242        | 00000/0000                   | 2-20025/0846                | 05/19/76         | 70                  | 6729            | 50.5         | 141.5        | GGGG                               |                     |                      | 188                   | 22                   |
| 04258E 5144N                            | 2572-07170        | 00000/0000                   | 2-20030/1425                | 08/16/76         | 10                  | 7970            | 45.5         | 138.3        | GGGG                               |                     |                      | 187                   | 24                   |
| 04258E 5138N                            | 2482-07193        | 00000/0000                   | 2-20025/0753                | 05/18/76         | 30                  | 6715            | 52.0         | 137.7        | GGGG                               |                     |                      | 187                   | 24                   |
| 04257E 4841N                            | 2661-07092        | 00000/0000                   | 2-20036/0964                | 11/13/76         | 100                 | 9211            | 19.5         | 154.1        | GGGG                               |                     |                      | 186                   | 26                   |
| 04256E 5427N                            | 2555-07223        | 00000/0000                   | 2-20030/0447                | 07/30/76         | 20                  | 7733            | 48.1         | 138.3        | GGGG                               |                     |                      | 188                   | 22                   |
| 04256E 5422N                            | 2501-07240        | 00000/0000                   | 2-20026/0888                | 06/06/76         | 90                  | 6980            | 53.0         | 138.5        | GGGG                               |                     |                      | 188                   | 22                   |
| 04254E 5423N                            | 2681-07182        | 00000/0000                   | 2-20036/1869                | 12/03/76         | 40                  | 9490            | 10.5         | 156.6        | GGGG                               |                     |                      | 188                   | 22                   |
| 04254E 5139N                            | 2428-07210        | 00000/0000                   | 2-20027/0644                | 03/25/76         | 10                  | 5962            | 34.9         | 144.9        | GGGG                               |                     |                      | 187                   | 24                   |
| 04254E 5137N                            | 2680-07132        | 00000/0000                   | 2-20037/0610                | 12/02/76         | 100                 | 9476            | 12.9         | 155.3        | GGGG                               |                     |                      | 187                   | 24                   |
| 04253E 5426N                            | 2609-07210        | 00000/0000                   | 2-20032/1614                | 09/22/76         | 50                  | 8486            | 32.0         | 150.2        | GGGG                               |                     |                      | 188                   | 22                   |
| 04253E 5134N                            | 2500-07190        | 00000/0000                   | 2-20026/0807                | 06/05/76         | 50                  | 6966            | 54.4         | 134.3        | GGGG                               |                     |                      | 187                   | 24                   |
| 04253E 1006N                            | 2365-06431        | 00000/0000                   | 2-20020/0085                | 01/22/76         | 10                  | 5083            | 41.2         | 127.9        | GGGG                               |                     |                      | 173                   | 53                   |
| 04252E 5421N                            | 2537-07230        | 00000/0000                   | 2-20028/1222                | 07/12/76         | 30                  | 7482            | 51.5         | 136.3        | GGGG                               |                     |                      | 188                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04252E 5419N                            | 2411-07263        | 00000/0000 2-20021/1201                            | 03/08/76         | 10                  | 5725            | 26.4         | 143.4        |                                    |                     |                      |                       |                      |
| 04252E 5418N                            | 2393-07270        | 00000/0000 2-20021/0173                            | 02/19/76         | 50                  | 5474            | 19.8         | 149.9        | G GG                               |                     |                      | 188                   | 22                   |
| 04252E 5136N                            | 2608-07160        | 00000/0000 2-20032/1555                            | 09/21/76         | 0                   | 8472            | 34.4         | 147.5        | GGGG                               |                     |                      | 188                   | 22                   |
| 04251E 5420N                            | 2645-07194        | 00000/0000 2-20035/0100                            | 10/28/76         | 80                  | 8988            | 19.7         | 156.1        | GGGG                               |                     |                      | 187                   | 24                   |
| 04251E 5133N                            | 2626-07153        | 00000/0000 2-20034/0576                            | 10/09/76         | 90                  | 8723            | 28.3         | 151.5        | GGGG                               |                     |                      | 188                   | 22                   |
| 04251E 5131N                            | 2518-07184        | 00000/0000 2-20028/0096                            | 06/23/76         | 70                  | 7217            | 54.7         | 132.1        | GGGG                               |                     |                      | 187                   | 24                   |
| 04250E 5417N                            | 2519-07233        | 00000/0000 2-20027/0472                            | 06/24/76         | 50                  | 7231            | 53.2         | 136.4        | FGGG                               |                     |                      | 187                   | 24                   |
| 04250E 5132N                            | 2644-07145        | 00000/0000 2-20035/0060                            | 10/27/76         | 100                 | 8974            | 22.2         | 154.3        | GGGG                               |                     |                      | 188                   | 22                   |
| 04250E 5130N                            | 2374-07223        | 00000/0000 2-20020/0703                            | 01/31/76         | 60                  | 5209            | 16.2         | 150.5        | GGGG                               |                     |                      | 187                   | 24                   |
| 04250E 5129N                            | 2410-07214        | 00000/0000 2-20021/1253                            | 03/07/76         | 70                  | 5711            | 28.0         | 146.4        | GGGG                               |                     |                      | 187                   | 24                   |
| 04250E 5128N                            | 2392-07221        | 00000/0000 2-20020/1693                            | 02/18/76         | 90                  | 5460            | 21.5         | 148.2        | GGGG                               |                     |                      | 187                   | 24                   |
| 04250E 4442N                            | 2462-07104        | 00000/0000 2-20024/0796                            | 04/28/76         | 60                  | 6436            | 50.9         | 132.2        | FGGG                               |                     |                      | 187                   | 24                   |
| 04249E 5421N                            | 2627-07202        | 00000/0000 2-20034/0607                            | 10/10/76         | 80                  | 8737            | 25.8         | 153.7        | GGGG                               |                     |                      | 185                   | 29                   |
| 04249E 5418N                            | 2663-07190        | 00000/0000 2-20036/0699                            | 11/15/76         | 100                 | 9239            | 14.4         | 157.1        | GGGG                               |                     |                      | 188                   | 22                   |
| 04249E 5131N                            | 2536-07181        | 00000/0000 2-20028/1047                            | 07/11/76         | 20                  | 7468            | 53.1         | 132.0        | GGGG                               |                     |                      | 188                   | 22                   |
| 04249E 5129N                            | 2662-07141        | 00000/0000 2-20036/0968                            | 11/14/76         | 90                  | 9225            | 16.9         | 155.5        | GGGG                               |                     |                      | 187                   | 24                   |
| 04249E 4441N                            | 2444-07111        | 00000/0000 2-20022/1862                            | 04/10/76         | 50                  | 6185            | 45.2         | 136.0        | GGGG                               |                     |                      | 187                   | 24                   |
| 04249E 2134N                            | 2367-06512        | 00000/0000 2-20020/0222                            | 01/24/76         | 0                   | 5111            | 35.2         | 135.7        | GGGG                               |                     |                      | 185                   | 29                   |
| 04249E 1533N                            | 2366-06471        | 00000/0000 2-20020/0140                            | 01/23/76         | 10                  | 5097            | 38.3         | 132.0        | GGGG                               |                     |                      | 180                   | 45                   |
| 04248E 5844N                            | 2575-07321        | 00000/0000 2-20030/1459                            | 08/19/76         | 40                  | 8012            | 40.3         | 147.2        | GGGG                               |                     |                      | 179                   | 49                   |
| 04247E 5846N                            | 2467-07350        | 00000/0000 2-20024/1286                            | 05/03/76         | 20                  | 6506            | 43.8         | 149.2        | GGGG                               |                     |                      | 190                   | 19                   |
| 04244E 4440N                            | 2588-07071        | 00000/0000 2-20032/0513                            | 09/01/76         | 70                  | 8193            | 45.0         | 134.9        | GGGG                               |                     |                      | 185                   | 29                   |
| 04244E 4439N                            | 2570-07074        | 00000/0000 2-20030/1255                            | 08/14/76         | 50                  | 7942            | 49.6         | 128.8        | GGGG                               |                     |                      | 185                   | 29                   |
| 04244E 4437N                            | 2714-07024        | 00000/0000 2-20038/0726                            | 01/05/77         | 40                  | 9950            | 16.3         | 142.5        | GGGG                               |                     |                      | 185                   | 29                   |
| 04244E 4436N                            | 2426-07114        | 00000/0000 2-20022/0540                            | 03/23/76         | 90                  | 5934            | 38.6         | 138.9        | GGGG                               |                     |                      | 185                   | 29                   |
| 04244E 4436N                            | 2696-07032        | 00000/0000 2-20037/1065                            | 12/18/76         | 60                  | 9699            | 16.5         | 150.9        | FGGG                               |                     |                      | 185                   | 29                   |
| 04244E 4432N                            | 2480-07101        | 00000/0000 2-20025/0494                            | 05/16/76         | 70                  | 6687            | 55.2         | 127.5        | GGGG                               |                     |                      | 185                   | 29                   |
| 04242E 4435N                            | 2606-07064        | 00000/0000 2-20032/1583                            | 09/19/76         | 60                  | 8444            | 39.8         | 140.9        | FGGG                               |                     |                      | 185                   | 29                   |
| 04242E 4430N                            | 2678-07041        | 00000/0000 2-20036/0728                            | 11/30/76         | 60                  | 9448            | 18.9         | 152.2        | GGGG                               |                     |                      | 185                   | 29                   |
| 04242E 4429N                            | 2498-07094        | 00000/0000 2-20026/0693                            | 06/03/76         | 70                  | 6938            | 57.4         | 123.0        | FGGG                               |                     |                      | 185                   | 29                   |
| 04241E 4429N                            | 2552-07082        | 00000/0000 2-20030/0201                            | 07/27/76         | 40                  | 7691            | 53.4         | 123.5        | GGGG                               |                     |                      | 185                   | 29                   |
| 04241E 4428N                            | 2642-07053        | 00000/0000 2-20035/0154                            | 10/25/76         | 90                  | 8946            | 28.3         | 149.8        | GGGG                               |                     |                      | 185                   | 29                   |
| 04241E 4426N                            | 2516-07092        | 00000/0000 2-20027/0221                            | 06/21/76         | 40                  | 7189            | 57.6         | 120.3        | GGGG                               |                     |                      | 185                   | 29                   |
| 04240E 4426N                            | 2624-07061        | 00000/0000 2-20034/0502                            | 10/07/76         | 10                  | 8695            | 34.1         | 146.0        | GGGG                               |                     |                      | 185                   | 29                   |
| 04239E 5843N                            | 2593-07314        | 00000/0000 2-20032/0953                            | 09/06/76         | 90                  | 8263            | 34.5         | 150.7        | GGGG                               |                     |                      | 190                   | 19                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04239E 4426N                            | 2660-07045        | 00000/0000 2-20036/0421                            | 11/12/76         | 40                  | 9197            | 23.0         | 151.9        | GGGG                               |                     |                      | 185                   | 29                   |
| 04239E 4425N                            | 2372-07131        | 00000/0000 2-20020/0541                            | 01/29/76         | 80                  | 5181            | 20.9         | 147.1        | GGGF                               |                     |                      | 185                   | 29                   |
| 04238E 5838N                            | 2557-07374        | 00000/0000 2-20030/0489                            | 08/01/76         | 10                  | 7761            | 45.2         | 144.3        | GGGG                               |                     |                      | 190                   | 19                   |
| 04237E 4423N                            | 2390-07125        | 00000/0000 2-20020/1580                            | 02/16/76         | 10                  | 5432            | 25.8         | 144.2        | PGGG                               |                     |                      | 185                   | 29                   |
| 04236E 0246N                            | 2332-06391        | 00000/0000 2-20020/1166                            | 02/08/76         | 0                   | 5320            | 45.6         | 115.1        | FGGG                               |                     |                      | 177                   | 58                   |
| 04235E 4425N                            | 2408-07122        | 00000/0000 2-20021/1112                            | 03/05/76         | 50                  | 5683            | 31.9         | 141.5        | GGGG                               |                     |                      | 185                   | 29                   |
| 04233E 5831N                            | 2503-07341        | 00000/0000 2-20026/0996                            | 06/08/76         | 80                  | 7008            | 50.6         | 144.6        | GGGG                               |                     |                      | 190                   | 19                   |
| 04233E 0840N                            | 2365-06433        | 00000/0000 2-20020/0086                            | 01/22/76         | 0                   | 5083            | 41.9         | 126.8        | GGGG                               |                     |                      | 178                   | 54                   |
| 04232E 5829N                            | 2521-07334        | 00000/0000 2-20028/0192                            | 06/26/76         | 80                  | 7259            | 50.7         | 142.8        | GGGG                               |                     |                      | 190                   | 19                   |
| 04232E 5829N                            | 2539-07331        | 00000/0000 2-20028/1422                            | 07/14/76         | 70                  | 7510            | 48.8         | 142.6        | GGGG                               |                     |                      | 190                   | 19                   |
| 04230E 4730N                            | 2463-07153        | 00000/0000 2-20024/0932                            | 04/29/76         | 70                  | 6450            | 49.7         | 135.6        | GGGG                               |                     |                      | 186                   | 27                   |
| 04229E 1427N                            | 2366-06474        | 00000/0000 2-20020/0141                            | 01/23/76         | 10                  | 5097            | 39.1         | 131.0        | GGGG                               |                     |                      | 179                   | 50                   |
| 04228E 4730N                            | 2715-07073        | 00000/0000 2-20038/0744                            | 01/06/77         | 60                  | 9964            | 14.3         | 149.6        | GGGG                               |                     |                      | 186                   | 27                   |
| 04227E 4730N                            | 2689-07121        | 00000/0000 2-20032/0461                            | 09/02/76         | 50                  | 8207            | 43.2         | 138.3        | GGGG                               |                     |                      | 186                   | 27                   |
| 04227E 4726N                            | 2697-07081        | 00000/0000 2-20037/1058                            | 12/19/76         | 100                 | 9713            | 14.2         | 152.0        | GGGG                               |                     |                      | 186                   | 27                   |
| 04227E 4725N                            | 2481-07150        | 00000/0000 2-20025/0892                            | 05/17/76         | 40                  | 6701            | 54.0         | 131.7        | GGGG                               |                     |                      | 186                   | 27                   |
| 04227E 2008N                            | 2367-06514        | 00000/0000 2-20020/0223                            | 01/24/76         | 10                  | 5111            | 36.0         | 134.7        | GGGG                               |                     |                      | 180                   | 46                   |
| 04226E 4725N                            | 2553-07131        | 00000/0000 2-20030/0237                            | 07/28/76         | 30                  | 7705            | 52.1         | 128.1        | GGGG                               |                     |                      | 186                   | 27                   |
| 04225E 4723N                            | 2679-07030        | 00000/0000 2-20036/0735                            | 12/01/76         | 100                 | 9462            | 16.4         | 153.4        | GGGG                               |                     |                      | 186                   | 27                   |
| 04224E 5600N                            | 2448-07304        | 00000/0000 2-20023/0153                            | 04/14/76         | 0                   | 6241            | 39.6         | 147.5        | GGGG                               |                     |                      | 189                   | 21                   |
| 04224E 5557N                            | 2466-07301        | 00000/0000 2-20024/1093                            | 05/02/76         | 60                  | 6492            | 45.5         | 145.8        | GGGG                               |                     |                      | 189                   | 21                   |
| 04223E 4724N                            | 2607-07114        | 00000/0000 2-20037/1659                            | 09/20/76         | 60                  | 8458            | 37.6         | 143.7        | GGGG                               |                     |                      | 186                   | 27                   |
| 04223E 4721N                            | 2625-07110        | 00000/0000 2-20034/0566                            | 10/08/76         | 40                  | 8709            | 31.7         | 148.3        | FGGF                               |                     |                      | 186                   | 27                   |
| 04223E 4719N                            | 2535-07134        | 00000/0000 2-20028/1080                            | 07/10/76         | 40                  | 7454            | 55.0         | 125.3        | GGGG                               |                     |                      | 186                   | 27                   |
| 04223E 4717N                            | 2499-07144        | 00000/0000 2-20026/0777                            | 06/04/76         | 30                  | 6952            | 56.3         | 127.6        | GGGG                               |                     |                      | 186                   | 27                   |
| 04222E 5557N                            | 2574-07271        | 00000/0000 2-20030/1390                            | 08/18/76         | 100                 | 7998            | 42.4         | 143.7        | PGFG                               |                     |                      | 189                   | 21                   |
| 04222E 5554N                            | 2430-07311        | 00000/0000 2-20027/0870                            | 03/27/76         | 40                  | 5990            | 32.8         | 148.5        | GGGG                               |                     |                      | 189                   | 21                   |
| 04222E 5022N                            | 2464-07202        | 00000/0000 2-20024/1009                            | 04/30/76         | 50                  | 6464            | 48.4         | 139.1        | FGGG                               |                     |                      | 187                   | 25                   |
| 04222E 4719N                            | 2643-07102        | 00000/0000 2-20035/0130                            | 10/26/76         | 20                  | 8960            | 25.8         | 151.6        | GGGG                               |                     |                      | 186                   | 27                   |
| 04222E 4715N                            | 2517-07141        | 00000/0000 2-20027/0311                            | 06/22/76         | 20                  | 7203            | 56.6         | 125.1        | GGGG                               |                     |                      | 186                   | 27                   |
| 04221E 5549N                            | 2484-07294        | 00000/0000 2-20025/0943                            | 05/20/76         | 90                  | 6743            | 49.9         | 143.3        | GGGG                               |                     |                      | 189                   | 21                   |
| 04221E 4716N                            | 2661-07094        | 00000/0000 2-20036/0922                            | 11/13/76         | 100                 | 9211            | 20.6         | 153.3        | GGGG                               |                     |                      | 186                   | 27                   |
| 04220E 5556N                            | 2592-07264        | 00000/0000 2-20032/0754                            | 09/05/76         | 10                  | 8249            | 36.8         | 147.7        | PFFG                               |                     |                      | 189                   | 21                   |
| 04220E 0129N                            | 2400-06391        | 00000/0000 2-20021/0555                            | 02/26/76         | 20                  | 5571            | 47.7         | 105.1        | GGGG                               |                     |                      | 177                   | 59                   |
| 04219E 6010N                            | 2453-07405        | 00000/0000 2-20023/0333                            | 04/16/76         | 10                  | 6269            | 37.3         | 152.0        | GGGG                               |                     |                      | 191                   | 18                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04218E                                  | 5551N             | 2610-07261                                         | 00000/0000       | 2-20032/1832        | 09/23/76        | 80           | 8500         | 30.6                               | 151.6               | 0000                 | 189                   | 21                   |
| 04218E                                  | 5315N             | 2447-07259                                         | 00000/0000       | 2-20023/0057        | 04/13/76        | 0            | 6227         | 41.1                               | 144.6               | 0000                 | 188                   | 23                   |
| 04218E                                  | 5309N             | 2465-07252                                         | 00000/0000       | 2-20024/1123        | 05/01/76        | 100          | 6478         | 47.0                               | 142.4               | 0000                 | 188                   | 23                   |
| 04218E                                  | 5022N             | 2530-07170                                         | 00000/0000       | 2-20032/0620        | 09/03/76        | 40           | 8221         | 41.1                               | 141.5               | 0000                 | 187                   | 25                   |
| 04218E                                  | 5019N             | 2716-07122                                         | 00000/0000       | 2-20038/1008        | 01/07/77        | 20           | 9978         | 12.3                               | 150.7               | 0000                 | 187                   | 25                   |
| 04217E                                  | 5545N             | 2502-07292                                         | 00000/0000       | 2-20026/0920        | 06/07/76        | 60           | 4934         | 52.2                               | 140.5               | 0000                 | 189                   | 21                   |
| 04217E                                  | 5020N             | 2572-07173                                         | 00000/0000       | 2-20030/1426        | 08/16/76        | 10           | 7970         | 46.3                               | 136.5               | 0000                 | 187                   | 25                   |
| 04217E                                  | 5014N             | 2482-07200                                         | 00000/0000       | 2-20025/0754        | 05/18/76        | 20           | 6715         | 52.8                               | 135.6               | 0000                 | 187                   | 25                   |
| 04217E                                  | 4316N             | 2462-07110                                         | 00000/0000       | 2-20024/0797        | 04/28/76        | 20           | 6436         | 51.6                               | 130.3               | 0000                 | 185                   | 30                   |
| 04216E                                  | 6007N             | 2468-07402                                         | 00000/0000       | 2-20024/1454        | 05/04/76        | 40           | 6520         | 43.2                               | 150.9               | 0000                 | 191                   | 18                   |
| 04216E                                  | 5550N             | 2556-07275                                         | 00000/0000       | 2-20030/0434        | 07/31/76        | 90           | 7747         | 47.1                               | 140.3               | 0000                 | 189                   | 21                   |
| 04216E                                  | 4316N             | 2444-07113                                         | 00000/0000       | 2-20022/1863        | 04/10/76        | 50           | 6185         | 46.0                               | 134.4               | 0000                 | 185                   | 30                   |
| 04215E                                  | 5310N             | 2591-07215                                         | 00000/0000       | 2-20032/0779        | 09/04/76        | 60           | 8235         | 39.0                               | 144.6               | 0000                 | 188                   | 23                   |
| 04215E                                  | 5306N             | 2429-07262                                         | 00000/0000       | 2-20022/0465        | 03/26/76        | 10           | 5976         | 34.3                               | 146.0               | 0000                 | 188                   | 23                   |
| 04215E                                  | 0119N             | 2382-06394                                         | 00000/0000       | 2-20020/1167        | 02/08/76        | 10           | 5320         | 45.9                               | 113.7               | 0000                 | 177                   | 59                   |
| 04214E                                  | 6003N             | 2432-07412                                         | 00000/0000       | 2-20022/0730        | 03/29/76        | 60           | 6018         | 30.6                               | 152.5               | 0000                 | 191                   | 18                   |
| 04214E                                  | 5014N             | 2428-07213                                         | 00000/0000       | 2-20022/0645        | 03/25/76        | 10           | 5962         | 35.8                               | 143.6               | 0000                 | 187                   | 25                   |
| 04214E                                  | 5012N             | 2680-07135                                         | 00000/0000       | 2-20037/0611        | 12/02/76        | 100          | 9476         | 14.0                               | 154.7               | 0000                 | 187                   | 25                   |
| 04213E                                  | 6008N             | 2576-07372                                         | 00000/0000       | 2-20032/0052        | 08/20/76        | 50           | 8026         | 39.0                               | 149.1               | 0000                 | 191                   | 18                   |
| 04213E                                  | 5540N             | 2520-07285                                         | 00000/0000       | 2-20028/0033        | 06/25/76        | 30           | 7245         | 52.4                               | 138.5               | 0000                 | 189                   | 21                   |
| 04213E                                  | 5540N             | 2664-07242                                         | 00000/0000       | 2-20036/1141        | 11/16/76        | 90           | 9243         | 13.0                               | 157.8               | 0000                 | 189                   | 21                   |
| 04213E                                  | 5307N             | 2573-07222                                         | 00000/0000       | 2-20030/1651        | 08/17/76        | 90           | 7984         | 44.4                               | 140.2               | 0000                 | 188                   | 23                   |
| 04213E                                  | 5301N             | 2483-07245                                         | 00000/0000       | 2-20025/0819        | 05/19/76        | 70           | 6729         | 51.4                               | 139.5               | 0000                 | 188                   | 23                   |
| 04213E                                  | 0714N             | 2305-06440                                         | 00000/0000       | 2-20020/0087        | 01/22/76        | 0            | 5083         | 42.6                               | 125.5               | 0000                 | 178                   | 55                   |
| 04212E                                  | 5541N             | 2412-07315                                         | 00000/0000       | 2-20021/1369        | 03/09/76        | 0            | 5739         | 25.8                               | 149.4               | 0000                 | 189                   | 21                   |
| 04212E                                  | 5303N             | 2555-07225                                         | 00000/0000       | 2-20030/0448        | 07/30/76        | 20           | 7733         | 48.9                               | 136.4               | 0000                 | 188                   | 23                   |
| 04212E                                  | 5012N             | 2508-07162                                         | 00000/0000       | 2-20032/1556        | 09/21/76        | 10           | 8472         | 35.4                               | 146.3               | 0000                 | 187                   | 25                   |
| 04212E                                  | 5009N             | 2500-07193                                         | 00000/0000       | 2-20024/0808        | 06/05/76        | 10           | 6946         | 55.1                               | 132.1               | 0000                 | 187                   | 25                   |
| 04212E                                  | 4315N             | 2588-07074                                         | 00000/0000       | 2-20032/0514        | 09/01/76        | 40           | 8193         | 45.8                               | 133.4               | 0000                 | 185                   | 30                   |
| 04212E                                  | 4314N             | 2570-07081                                         | 00000/0000       | 2-20030/1256        | 08/14/76        | 90           | 7942         | 50.3                               | 127.0               | 0000                 | 185                   | 30                   |
| 04212E                                  | 4311N             | 2426-07121                                         | 00000/0000       | 2-20022/0541        | 03/23/76        | 70           | 5934         | 39.5                               | 137.7               | 0000                 | 185                   | 30                   |
| 04212E                                  | 4307N             | 2490-07104                                         | 00000/0000       | 2-20025/0495        | 05/16/76        | 90           | 6687         | 55.7                               | 125.3               | 0000                 | 191                   | 18                   |
| 04211E                                  | 6006N             | 2594-07365                                         | 00000/0000       | 2-20032/0984        | 09/07/76        | 10           | 8277         | 33.1                               | 152.4               | 0000                 | 191                   | 18                   |
| 04211E                                  | 6001N             | 2486-07395                                         | 00000/0000       | 2-20025/1082        | 05/22/76        | 10           | 6771         | 47.5                               | 149.0               | 0000                 | 189                   | 21                   |
| 04211E                                  | 5541N             | 2646-07250                                         | 00000/0000       | 2-20035/0227        | 10/29/76        | 90           | 9002         | 18.3                               | 157.0               | 0000                 | 189                   | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------------------------|--------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                                     | MSS          |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 04211E                      | 5257N | 2501-07242        | 00000/0000                              | 2-20026/0889 | 06/06/76         | 90                  | 6980            | 53.7         | 136.4        | GGGG                  |                     |                      | 188                   | 23                   |
| 04211E                      | 5008N | 2626-07155        | 00000/0000                              | 2-20034/0577 | 10/09/76         | 90                  | 8723            | 29.3         | 150.5        | GGGG                  |                     |                      | 187                   | 25                   |
| 04211E                      | 5007N | 2644-07152        | 00000/0000                              | 2-20035/0061 | 10/27/76         | 100                 | 8974            | 23.3         | 153.4        | GGGG                  |                     |                      | 187                   | 25                   |
| 04211E                      | 5006N | 2518-07190        | 00000/0000                              | 2-20028/0097 | 06/23/76         | 90                  | 7217            | 55.3         | 129.8        | FFFF                  |                     |                      | 187                   | 25                   |
| 04211E                      | 4311N | 2696-07035        | 00000/0000                              | 2-20037/1066 | 12/18/76         | 10                  | 9699            | 17.6         | 150.3        | GGFG                  |                     |                      | 185                   | 30                   |
| 04210E                      | 5542N | 2628-07254        | 00000/0000                              | 2-20034/0596 | 10/11/76         | 90                  | 8751            | 24.4         | 154.8        | GGGG                  |                     |                      | 189                   | 21                   |
| 04210E                      | 5005N | 2374-07230        | 00000/0000                              | 2-20020/0763 | 01/31/76         | 100                 | 5209            | 17.2         | 149.7        | GGGG                  |                     |                      | 187                   | 25                   |
| 04210E                      | 5005N | 2410-07220        | 00000/0000                              | 2-20021/1254 | 03/07/76         | 90                  | 5711            | 28.9         | 145.4        | GGGG                  |                     |                      | 187                   | 25                   |
| 04210E                      | 5003N | 2392-07223        | 00000/0000                              | 2-20020/1694 | 02/18/76         | 80                  | 5460            | 22.5         | 147.4        | FGGG                  |                     |                      | 187                   | 25                   |
| 04210E                      | 4310N | 2606-07071        | 00000/0000                              | 2-20032/1584 | 09/19/76         | 70                  | 8444            | 40.7         | 139.6        | GGGG                  |                     |                      | 185                   | 30                   |
| 04210E                      | 4305N | 2678-07043        | 00000/0000                              | 2-20036/0729 | 11/30/76         | 10                  | 9448            | 20.0         | 151.5        | GGGG                  |                     |                      | 185                   | 30                   |
| 04210E                      | 4303N | 2498-07101        | 00000/0000                              | 2-20026/0694 | 06/03/76         | 40                  | 6938            | 57.8         | 120.6        | GGGG                  |                     |                      | 185                   | 30                   |
| 04209E                      | 5303N | 2681-07184        | 00000/0000                              | 2-20036/1870 | 12/03/76         | 50                  | 9490            | 11.6         | 155.9        | GGGG                  |                     |                      | 188                   | 23                   |
| 04209E                      | 5006N | 2536-07183        | 00000/0000                              | 2-20028/1048 | 07/11/76         | 70                  | 7468            | 53.7         | 129.8        | GGGG                  |                     |                      | 187                   | 25                   |
| 04209E                      | 5005N | 2662-07143        | 00000/0000                              | 2-20036/0969 | 11/14/76         | 100                 | 9225            | 18.1         | 154.8        | GGGG                  |                     |                      | 187                   | 25                   |
| 04209E                      | 4304N | 2552-07084        | 00000/0000                              | 2-20030/0202 | 07/27/76         | 60                  | 7691            | 53.9         | 121.4        | GGGG                  |                     |                      | 185                   | 30                   |
| 04209E                      | 4304N | 2642-07060        | 00000/0000                              | 2-20035/0155 | 10/25/76         | 90                  | 8946            | 29.4         | 149.0        | GGGG                  |                     |                      | 185                   | 30                   |
| 04209E                      | 4301N | 2516-07094        | 00000/0000                              | 2-20027/0222 | 06/21/76         | 40                  | 7189            | 58.0         | 117.8        | GGGG                  |                     |                      | 185                   | 30                   |
| 04208E                      | 4302N | 2534-07091        | 00000/0000                              | 2-20028/1015 | 07/09/76         | 10                  | 7440            | 56.5         | 118.1        | GGGG                  |                     |                      | 185                   | 30                   |
| 04208E                      | 4301N | 2660-07052        | 00000/0000                              | 2-20036/0422 | 11/12/76         | 10                  | 9197            | 24.1         | 151.2        | GGGG                  |                     |                      | 185                   | 30                   |
| 04208E                      | 1300N | 2366-06480        | 00000/0000                              | 2-20020/0142 | 01/23/76         | 10                  | 5097            | 39.9         | 129.9        | GGGG                  |                     |                      | 179                   | 51                   |
| 04207E                      | 5302N | 2609-07212        | 00000/0000                              | 2-20032/1615 | 09/22/76         | 0                   | 8486            | 33.1         | 149.0        | GGGG                  |                     |                      | 188                   | 23                   |
| 04207E                      | 5257N | 2537-07232        | 00000/0000                              | 2-20028/1223 | 07/12/76         | 40                  | 7482            | 52.2         | 134.2        | GGGG                  |                     |                      | 188                   | 23                   |
| 04207E                      | 5255N | 2393-07273        | 00000/0000                              | 2-20021/0174 | 02/19/76         | 50                  | 5474            | 20.8         | 149.0        | GGGG                  |                     |                      | 188                   | 23                   |
| 04207E                      | 5255N | 2411-07270        | 00000/0000                              | 2-20021/1202 | 03/08/76         | 10                  | 5725            | 27.4         | 147.4        | GGGG                  |                     |                      | 188                   | 23                   |
| 04207E                      | 4301N | 2624-07064        | 00000/0000                              | 2-20034/0503 | 10/07/76         | 10                  | 8695            | 35.1         | 145.0        | GGGG                  |                     |                      | 185                   | 30                   |
| 04207E                      | 4300N | 2372-07134        | 00000/0000                              | 2-20020/0542 | 01/29/76         | 40                  | 5181            | 21.9         | 146.4        | GGGG                  |                     |                      | 185                   | 30                   |
| 04206E                      | 6000N | 2558-07380        | 00000/0000                              | 2-20030/0650 | 08/02/76         | 10                  | 7775            | 44.1         | 146.2        | GGGG                  |                     |                      | 191                   | 18                   |
| 04206E                      | 5255N | 2645-07201        | 00000/0000                              | 2-20035/0101 | 10/28/76         | 40                  | 8988            | 20.8         | 155.2        | GGGG                  |                     |                      | 188                   | 23                   |
| 04206E                      | 5251N | 2375-07275        | 00000/0000                              | 2-20020/0806 | 02/01/76         | 10                  | 5223            | 15.4         | 151.1        | GGGG                  |                     |                      | 188                   | 23                   |
| 04205E                      | 5953N | 2504-07393        | 00000/0000                              | 2-20024/1126 | 06/09/76         | 90                  | 7022            | 49.8         | 146.6        | GGGG                  |                     |                      | 191                   | 18                   |
| 04205E                      | 5257N | 2627-07205        | 00000/0000                              | 2-20034/0593 | 10/10/76         | 90                  | 8737            | 26.8         | 152.7        | GGGG                  |                     |                      | 188                   | 23                   |
| 04205E                      | 5254N | 2663-07193        | 00000/0000                              | 2-20036/0700 | 11/15/76         | 90                  | 9239            | 15.6         | 156.3        | GGGG                  |                     |                      | 188                   | 23                   |
| 04205E                      | 5253N | 2519-07240        | 00000/0000                              | 2-20027/0473 | 06/24/76         | 30                  | 7231            | 54.0         | 134.2        | GGGG                  |                     |                      | 188                   | 23                   |
| 04205E                      | 4258N | 2390-07131        | 00000/0000                              | 2-20020/1581 | 02/16/76         | 10                  | 5432            | 26.7         | 143.4        | GGGG                  |                     |                      | 185                   | 30                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04205E                                  | 1842N             | 2367-06521                                         | 00000/0000       | 2-20020/0224        | 01/24/76        | 10           | 5111         | 36.8                               | 133.8               | GGGG                 | 180                   | 47                   |
| 04204E                                  | 5955N             | 2414-07420                                         | 00000/0000       | 2-20021/1444        | 03/11/76        | 70           | 5767         | 23.5                               | 152.8               | GGGG                 | 191                   | 18                   |
| 04204E                                  | 5954N             | 2540-07383                                         | 00000/0000       | 2-20022/1475        | 07/15/76        | 10           | 7524         | 47.8                               | 144.7               | GGGG                 | 191                   | 18                   |
| 04203E                                  | 5950N             | 2522-07390                                         | 00000/0000       | 2-20022/0156        | 06/27/76        | 40           | 7273         | 49.8                               | 144.9               | GGGG                 | 191                   | 18                   |
| 04203E                                  | 4301N             | 2408-07124                                         | 00000/0000       | 2-20021/1113        | 03/05/76        | 70           | 5683         | 32.8                               | 140.5               | GGGG                 | 185                   | 30                   |
| 04200E                                  | 0003N             | 2408-06393                                         | 00000/0000       | 2-20021/0556        | 02/26/76        | 20           | 5571         | 47.9                               | 103.5               | GGGG                 | 177                   | 60                   |
| 04156E                                  | 6133N             | 2469-07454                                         | 00000/0000       | 2-20024/1470        | 05/05/76        | 100          | 6534         | 42.4                               | 152.7               | GGGG                 | 192                   | 17                   |
| 04156E                                  | 4605N             | 2463-07160                                         | 00000/0000       | 2-20024/0933        | 04/29/76        | 60           | 6450         | 50.5                               | 133.8               | GGGG                 | 184                   | 28                   |
| 04156E                                  | 4604N             | 2445-07163                                         | 00000/0000       | 2-20022/1782        | 04/11/76        | 60           | 6199         | 44.8                               | 137.3               | GGGG                 | 184                   | 28                   |
| 04155E                                  | 0006S             | 2382-06400                                         | 00000/0000       | 2-20020/1168        | 02/08/76        | 10           | 6320         | 45.3                               | 112.2               | GGGG                 | 177                   | 60                   |
| 04153E                                  | 5721N             | 2575-07323                                         | 00000/0000       | 2-20030/1460        | 08/19/76        | 10           | 6012         | 41.2                               | 145.6               | GGGG                 | 190                   | 20                   |
| 04153E                                  | 4604N             | 2715-07075                                         | 00000/0000       | 2-20038/0745        | 01/06/77        | 10           | 9964         | 15.3                               | 149.0               | GGGG                 | 186                   | 28                   |
| 04153E                                  | 0547N             | 2355-06442                                         | 00000/0000       | 2-20020/0088        | 01/22/76        | 0            | 5083         | 43.2                               | 124.3               | GGGG                 | 178                   | 56                   |
| 04153E                                  | 0546N             | 2401-06434                                         | 00000/0000       | 2-20021/0943        | 02/27/76        | 10           | 5585         | 47.2                               | 109.4               | GGGG                 | 178                   | 56                   |
| 04152E                                  | 5722N             | 2467-07353                                         | 00000/0000       | 2-20024/1539        | 05/03/76        | 10           | 6506         | 44.8                               | 147.4               | GGGG                 | 190                   | 20                   |
| 04152E                                  | 4604N             | 2589-07123                                         | 00000/0000       | 2-20032/0462        | 09/02/76        | 10           | 8207         | 44.0                               | 136.8               | GGGG                 | 186                   | 28                   |
| 04152E                                  | 4603N             | 2571-07130                                         | 00000/0000       | 2-20030/1338        | 08/15/76        | 90           | 7956         | 48.7                               | 120.9               | GGGG                 | 186                   | 28                   |
| 04152E                                  | 4601N             | 2697-07084                                         | 00000/0000       | 2-20037/1059        | 12/19/76        | 80           | 9713         | 15.3                               | 151.4               | GGGG                 | 186                   | 28                   |
| 04152E                                  | 4600N             | 2481-07153                                         | 00000/0000       | 2-20025/0893        | 05/17/76        | 40           | 6701         | 54.7                               | 129.5               | GGGG                 | 186                   | 28                   |
| 04152E                                  | 4600N             | 2553-07133                                         | 00000/0000       | 2-20030/0238        | 07/28/76        | 50           | 7705         | 52.7                               | 126.0               | GGGG                 | 186                   | 28                   |
| 04150E                                  | 6131N             | 2577-07424                                         | 00000/0000       | 2-20030/1666        | 05/21/76        | 80           | 6040         | 37.8                               | 151.0               | GGGG                 | 192                   | 17                   |
| 04150E                                  | 4559N             | 2427-07170                                         | 00000/0000       | 2-20022/0549        | 03/24/76        | 100          | 5948         | 38.2                               | 140.0               | GGG                  | 186                   | 28                   |
| 04150E                                  | 0533N             | 2383-06441                                         | 00000/0000       | 2-20020/1228        | 02/09/76        | 10           | 6334         | 44.8                               | 117.5               | GGGG                 | 178                   | 56                   |
| 04149E                                  | 4558N             | 2679-07092                                         | 00000/0000       | 2-20036/0736        | 12/01/76        | 70           | 9462         | 17.6                               | 152.8               | GGGG                 | 186                   | 28                   |
| 04148E                                  | 4558N             | 2607-07120                                         | 00000/0000       | 2-20032/1660        | 09/20/76        | 90           | 8458         | 38.6                               | 142.5               | GGGG                 | 186                   | 28                   |
| 04148E                                  | 4556N             | 2625-07113                                         | 00000/0000       | 2-20034/0867        | 10/08/76        | 30           | 8709         | 32.7                               | 147.3               | GGGG                 | 186                   | 28                   |
| 04148E                                  | 4554N             | 2535-07140                                         | 00000/0000       | 2-20022/1081        | 07/10/76        | 70           | 7454         | 55.5                               | 123.0               | GGGG                 | 186                   | 28                   |
| 04148E                                  | 4552N             | 2499-07150                                         | 00000/0000       | 2-20026/0778        | 06/04/76        | 10           | 6952         | 56.9                               | 125.2               | GGGG                 | 186                   | 28                   |
| 04148E                                  | 4550N             | 2517-07144                                         | 00000/0000       | 2-20027/0312        | 06/22/76        | 80           | 7203         | 57.1                               | 122.6               | GGGG                 | 186                   | 28                   |
| 04147E                                  | 4554N             | 2643-07105                                         | 00000/0000       | 2-20035/0131        | 10/26/76        | 60           | 8960         | 24.9                               | 150.8               | GGGG                 | 186                   | 28                   |
| 04147E                                  | 4550N             | 2373-07183                                         | 00000/0000       | 2-20020/0614        | 01/30/76        | 50           | 5195         | 20.1                               | 147.7               | GGGG                 | 186                   | 28                   |
| 04146E                                  | 4551N             | 2661-07191                                         | 00000/0000       | 2-20034/0923        | 11/13/76        | 40           | 9211         | 21.7                               | 152.6               | GGGG                 | 186                   | 28                   |
| 04146E                                  | 4546N             | 2391-07181                                         | 00000/0000       | 2-20020/1884        | 02/17/76        | 10           | 5446         | 25.1                               | 144.9               | GGGG                 | 186                   | 28                   |
| 04145E                                  | 6125N             | 2559-07431                                         | 00000/0000       | 2-20030/0750        | 08/03/76        | 10           | 7789         | 42.9                               | 148.3               | GGGG                 | 192                   | 17                   |
| 04145E                                  | 4151N             | 2444-07120                                         | 00000/0000       | 2-20022/1864        | 04/10/76        | 30           | 6185         | 46.8                               | 132.8               | GGGG                 | 189                   | 31                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------------------------|------------------|---------------------|--------------|--------------|-------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               |                                                |                  |                     |              |              | 123 45678         |                     |                      |                       |                      |
| 04145E                      | 4150N             | 2462-07113                                     | 00000/0000       | 2-20024/0798        | 04/28/76     | 20           | 6436              | 52.3                | 128.3                | GGGG                  |                      |
| 04144E                      | 5719N             | 2593-07320                                     | 00000/0000       | 2-20032/0954        | 09/06/76     | 80           | 8262              | 35.6                | 149.3                | GGGG                  | 185 31               |
| 04144E                      | 5711N             | 2485-07380                                     | 00000/0000       | 2-20025/1026        | 05/21/76     | 70           | 6757              | 49.2                | 145.1                | FGGG                  | 190 20               |
| 04144E                      | 1716N             | 2367-06523                                     | 00000/0000       | 2-20020/0225        | 01/24/76     | 20           | 5111              | 37.7                | 132.8                | GGGG                  | 190 20               |
| 04143E                      | 5715N             | 2557-07330                                     | 00000/0000       | 2-20030/0490        | 08/01/76     | 10           | 7761              | 46.0                | 142.4                | GGGG                  | 180 48               |
| 04143E                      | 4857N             | 2464-07205                                     | 00000/0000       | 2-20024/1010        | 04/30/76     | 30           | 6464              | 49.2                | 137.3                | GGGG                  | 190 20               |
| 04142E                      | 5716N             | 2611-07313                                     | 00000/0000       | 2-20032/1842        | 09/24/76     | 40           | 8514              | 29.2                | 153.0                | G GG                  | 187 26               |
| 04142E                      | 4142N             | 2430-07110                                     | 00000/0000       | 2-20025/0496        | 05/16/76     | 90           | 6687              | 56.3                | 123.0                | GGGG                  | 190 20               |
| 04141E                      | 4858N             | 2446-07212                                     | 00000/0000       | 2-20027/1839        | 04/12/76     | 90           | 6213              | 43.4                | 140.2                | GGGG                  | 185 31               |
| 04141E                      | 4145N             | 2426-07123                                     | 00000/0000       | 2-20027/0309        | 03/23/76     | 40           | 5934              | 40.3                | 136.4                | GGGG                  | 187 26               |
| 04140E                      | 5705N             | 2647-07302                                     | 00000/0000       | 2-20035/0338        | 10/30/76     | 70           | 9016              | 16.8                | 158.0                | GGGG                  | 185 31               |
| 04140E                      | 4857N             | 2590-07172                                     | 00000/0000       | 2-20037/0621        | 09/03/76     | 20           | 8221              | 42.0                | 140.1                | FGGG                  | 190 20               |
| 04140E                      | 4148N             | 2570-07083                                     | 00000/0000       | 2-20030/1257        | 08/14/76     | 80           | 7942              | 50.9                | 125.1                | FGGG                  | 187 26               |
| 04140E                      | 4146N             | 2696-07041                                     | 00000/0000       | 2-20037/1067        | 12/18/76     | 0            | 9699              | 18.6                | 149.7                | GGGG                  | 185 31               |
| 04139E                      | 6115N             | 2541-07435                                     | 00000/0000       | 2-20028/1755        | 07/16/76     | 30           | 7538              | 46.8                | 146.8                | FGFF                  | 185 31               |
| 04139E                      | 5707N             | 2503-07343                                     | 00000/0000       | 2-20026/0997        | 06/08/76     | 90           | 7008              | 51.5                | 142.5                | GGGG                  | 192 17               |
| 04139E                      | 5706N             | 2521-07341                                     | 00000/0000       | 2-20028/0193        | 06/26/76     | 70           | 7259              | 51.6                | 140.7                | GGGG                  | 190 20               |
| 04139E                      | 4854N             | 2716-07126                                     | 00000/0000       | 2-20038/1009        | 01/07/77     | 10           | 9978              | 13.3                | 150.1                | FGGG                  | 190 20               |
| 04139E                      | 4145N             | 2606-07093                                     | 00000/0000       | 2-20037/1585        | 09/19/76     | 40           | 8444              | 41.6                | 138.3                | GGGG                  | 187 26               |
| 04139E                      | 4140N             | 2678-07080                                     | 00000/0000       | 2-20036/0730        | 11/30/76     | 40           | 9448              | 21.1                | 150.9                | GGGG                  | 185 31               |
| 04138E                      | 4138N             | 2498-07103                                     | 00000/0000       | 2-20026/0695        | 08/03/76     | 10           | 6938              | 58.3                | 118.1                | GGGG                  | 185 31               |
| 04138E                      | 5706N             | 2538-07334                                     | 00000/0000       | 2-20028/1423        | 07/14/76     | 60           | 7510              | 49.7                | 140.5                | GGGG                  | 185 31               |
| 04138E                      | 4855N             | 2572-07175                                     | 00000/0000       | 2-20030/1427        | 08/16/76     | 40           | 7970              | 47.0                | 134.8                | GGGG                  | 190 20               |
| 04138E                      | 4849N             | 2482-07209                                     | 00000/0000       | 2-20025/0755        | 05/18/76     | 20           | 6715              | 53.5                | 133.5                | FFFF                  | 187 26               |
| 04138E                      | 4136N             | 2516-07101                                     | 00000/0000       | 2-20027/0223        | 06/21/76     | 80           | 7189              | 58.3                | 115.2                | FGGG                  | 185 31               |
| 04137E                      | 4139N             | 2642-07062                                     | 00000/0000       | 2-20035/0156        | 10/25/76     | 90           | 8946              | 30.4                | 148.1                | GGGG                  | 185 31               |
| 04137E                      | 4136N             | 2534-07094                                     | 00000/0000       | 2-20028/1016        | 07/09/76     | 10           | 7440              | 56.9                | 115.7                | GGGG                  | 185 31               |
| 04137E                      | 4136N             | 2660-07054                                     | 00000/0000       | 2-20036/0423        | 11/12/76     | 0            | 9197              | 25.2                | 150.4                | GGGG                  | 185 31               |
| 04136E                      | 5707N             | 2620-07310                                     | 00000/0000       | 2-20034/0793        | 10/12/76     | 40           | 8765              | 22.9                | 156.0                | FGGG                  | 185 31               |
| 04136E                      | 4847N             | 2680-07141                                     | 00000/0000       | 2-20037/0612        | 12/02/76     | 100          | 9476              | 15.2                | 154.0                | GGGG                  | 190 20               |
| 04136E                      | 4136N             | 2624-07070                                     | 00000/0000       | 2-20034/0504        | 10/07/76     | 20           | 8695              | 36.1                | 143.9                | GGGG                  | 187 26               |
| 04135E                      | 5148N             | 2447-07261                                     | 00000/0000       | 2-20023/0058        | 04/13/76     | 10           | 6227              | 42.0                | 143.1                | GGGG                  | 185 31               |
| 04135E                      | 5145N             | 2465-07256                                     | 00000/0000       | 2-20024/1124        | 05/01/76     | 90           | 6478              | 47.9                | 140.7                | GGGG                  | 188 24               |
| 04135E                      | 4849N             | 2428-07219                                     | 00000/0000       | 2-20022/0646        | 03/25/76     | 10           | 5962              | 36.8                | 142.4                | GGGG                  | 187 26               |
| 04135E                      | 0131S             | 2382-06403                                     | 00000/0000       | 2-20020/1169        | 02/08/76     | 40           | 5320              | 46.6                | 110.7                | GGGG                  | 177 61               |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG | LAT   | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04134E                              | 6112N | 2523-07442        | 00000/0000                   | 2-20028/0320                | 06/28/76         | 90                  | 7287            | 48.9         | 147.0        | GGGG                               |                     |                      | 192                   | 17                   |
| 04134E                              | 5434N | 2574-07274        | 00000/0000                   | 2-20030/1391                | 08/18/76         | 80                  | 7598            | 43.3         | 142.1        | PPPG                               |                     |                      | 189                   | 22                   |
| 04134E                              | 5430N | 2430-07314        | 00000/0000                   | 2-20022/0871                | 03/27/76         | 30                  | 5990            | 33.8         | 147.3        | GGGG                               |                     |                      | 189                   | 22                   |
| 04134E                              | 4847N | 2608-07165        | 00000/0000                   | 2-20032/1557                | 09/21/76         | 90                  | 8472            | 36.4         | 145.2        | GGGG                               |                     |                      | 187                   | 26                   |
| 04134E                              | 4845N | 2500-07195        | 00000/0000                   | 2-20026/0809                | 06/05/76         | 10                  | 6966            | 55.7         | 129.8        | GGGG                               |                     |                      | 187                   | 26                   |
| 04134E                              | 0420N | 2365-06445        | 00000/0000                   | 2-20020/0081                | 01/22/76         | 10                  | 5083            | 43.8         | 123.0        | G                                  |                     |                      | 178                   | 57                   |
| 04133E                              | 5432N | 2592-07271        | 00000/0000                   | 2-20032/0755                | 09/05/76         | 20                  | 8249            | 37.8         | 146.3        | FGGG                               |                     |                      | 189                   | 22                   |
| 04133E                              | 5426N | 2484-07301        | 00000/0000                   | 2-20025/0944                | 05/20/76         | 80                  | 6743            | 50.7         | 141.3        | GGGG                               |                     |                      | 189                   | 22                   |
| 04133E                              | 4844N | 2626-07162        | 00000/0000                   | 2-20034/0578                | 10/09/76         | 70                  | 8723            | 30.4         | 149.5        | GGGG                               |                     |                      | 187                   | 26                   |
| 04133E                              | 4842N | 2518-07193        | 00000/0000                   | 2-20028/0098                | 06/23/76         | 40                  | 7217            | 55.9         | 127.4        | FGGG                               |                     |                      | 187                   | 26                   |
| 04133E                              | 0419N | 2401-06440        | 00000/0000                   | 2-20021/0798                | 02/27/76         | 60                  | 5585            | 47.5         | 107.8        | GGGG                               |                     |                      | 178                   | 57                   |
| 04132E                              | 5145N | 2591-07222        | 00000/0000                   | 2-20032/0780                | 09/04/76         | 70                  | 8235            | 39.9         | 143.2        | GGGG                               |                     |                      | 188                   | 24                   |
| 04132E                              | 4843N | 2644-07154        | 00000/0000                   | 2-20035/0062                | 10/27/76         | 50                  | 8974            | 24.4         | 152.6        | GGGG                               |                     |                      | 187                   | 26                   |
| 04132E                              | 4841N | 2410-07223        | 00000/0000                   | 2-20021/1255                | 03/07/76         | 100                 | 5711            | 29.9         | 144.3        | GGGG                               |                     |                      | 187                   | 26                   |
| 04131E                              | 5143N | 2573-07225        | 00000/0000                   | 2-20030/1652                | 08/17/76         | 80                  | 7984            | 45.2         | 138.5        | GGGG                               |                     |                      | 188                   | 24                   |
| 04131E                              | 5138N | 2483-07251        | 00000/0000                   | 2-20025/0847                | 05/19/76         | 40                  | 6729            | 52.2         | 137.4        | GGGG                               |                     |                      | 188                   | 24                   |
| 04131E                              | 4842N | 2536-07190        | 00000/0000                   | 2-20028/1049                | 07/11/76         | 40                  | 7468            | 54.3         | 127.6        | GGGG                               |                     |                      | 187                   | 26                   |
| 04131E                              | 4841N | 2374-07232        | 00000/0000                   | 2-20020/0785                | 01/31/76         | 90                  | 5209            | 18.2         | 149.0        | GGGG                               |                     |                      | 187                   | 26                   |
| 04131E                              | 4839N | 2392-07230        | 00000/0000                   | 2-20020/1695                | 02/18/76         | 90                  | 5460            | 23.5         | 146.5        | FGGG                               |                     |                      | 187                   | 26                   |
| 04130E                              | 5427N | 2610-07264        | 00000/0000                   | 2-20032/1714                | 09/23/76         | 70                  | 8500            | 31.7         | 150.4        | GGGG                               |                     |                      | 189                   | 22                   |
| 04130E                              | 4841N | 2662-07150        | 00000/0000                   | 2-20036/0970                | 11/14/76         | 100                 | 9225            | 19.2         | 154.1        | GGGG                               |                     |                      | 187                   | 26                   |
| 04130E                              | 0407N | 2383-06443        | 00000/0000                   | 2-20020/1229                | 02/09/76         | 10                  | 5334            | 45.3         | 116.1        | GGGG                               |                     |                      | 178                   | 57                   |
| 04129E                              | 5426N | 2556-07281        | 00000/0000                   | 2-20030/0435                | 07/31/76         | 80                  | 7747            | 47.9         | 138.4        | GGGG                               |                     |                      | 189                   | 22                   |
| 04129E                              | 5421N | 2502-07294        | 00000/0000                   | 2-20026/0921                | 06/07/76         | 50                  | 6994            | 53.0         | 138.4        | GGGG                               |                     |                      | 189                   | 22                   |
| 04129E                              | 5139N | 2555-07232        | 00000/0000                   | 2-20030/0449                | 07/30/76         | 10                  | 7733            | 49.6         | 134.5        | GGGG                               |                     |                      | 188                   | 24                   |
| 04129E                              | 5133N | 2501-07245        | 00000/0000                   | 2-20026/0890                | 06/06/76         | 90                  | 6980            | 54.5         | 134.1        | GFGG                               |                     |                      | 188                   | 24                   |
| 04128E                              | 5416N | 2376-07331        | 00000/0000                   | 2-20020/0755                | 02/02/76         | 10                  | 5237            | 14.6         | 151.7        | GGGG                               |                     |                      | 189                   | 22                   |
| 04127E                              | 5136N | 2681-07191        | 00000/0000                   | 2-20036/1871                | 12/03/76         | 90                  | 9490            | 12.8         | 155.3        | GGGG                               |                     |                      | 188                   | 24                   |
| 04126E                              | 5420N | 2538-07284        | 00000/0000                   | 2-20028/1296                | 07/13/76         | 90                  | 7496            | 51.4         | 136.4        | GFGG                               |                     |                      | 189                   | 22                   |
| 04126E                              | 5416N | 2394-07324        | 00000/0000                   | 2-20021/0334                | 02/20/76         | 10                  | 5488            | 20.1         | 149.8        | GGGG                               |                     |                      | 189                   | 22                   |
| 04126E                              | 5416N | 2664-07244        | 00000/0000                   | 2-20036/1142                | 11/16/76         | 100                 | 9253            | 14.2         | 157.1        | GGGG                               |                     |                      | 189                   | 22                   |
| 04125E                              | 5418N | 2412-07321        | 00000/0000                   | 2-20021/1370                | 03/09/76         | 0                   | 5739            | 26.8         | 148.3        | GGGF                               |                     |                      | 189                   | 22                   |
| 04125E                              | 5417N | 2646-07253        | 00000/0000                   | 2-20035/0228                | 10/29/76         | 70                  | 9002            | 19.4         | 154.1        | GGGG                               |                     |                      | 189                   | 22                   |
| 04125E                              | 5416N | 2520-07291        | 00000/0000                   | 2-20028/0034                | 06/25/76         | 30                  | 7245            | 53.2         | 136.3        | GGGG                               |                     |                      | 189                   | 22                   |
| 04125E                              | 5138N | 2609-07215        | 00000/0000                   | 2-20037/1616                | 09/22/76         | 0                   | 8486            | 34.1         | 147.8        | GGGG                               |                     |                      | 189                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAG<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|---------------------|-----------------------|----------------------|
| 04125E 5132N                            | 2537-07235        | 00000/0000                   | 2-20028/1224                | 07/12/76         | 80                  | 7482            | 52.9         | 132.1        | GFGG                               |                     |                     | 188                   | 24                   |
| 04123E 5131N                            | 2645-07203        | 00000/0000                   | 2-20035/0102                | 10/28/76         | 20                  | 8988            | 21.9         | 154.4        | GGGG                               |                     |                     | 188                   | 24                   |
| 04123E 5129N                            | 2519-07242        | 00000/0000                   | 2-20027/0474                | 06/24/76         | 30                  | 7231            | 54.6         | 132.0        | GGGG                               |                     |                     | 188                   | 24                   |
| 04123E 1550N                            | 2367-06530        | 00000/0000                   | 2-20020/0226                | 01/24/76         | 20                  | 5111            | 38.5         | 131.7        | FFFF                               |                     |                     | 180                   | 49                   |
| 04122E 4439N                            | 2463-07162        | 00000/0000                   | 2-20024/0934                | 04/29/76         | 40                  | 6450            | 51.2         | 131.9        | GGGG                               |                     |                     | 186                   | 29                   |
| 04122E 4438N                            | 2445-07155        | 00000/0000                   | 2-20022/1783                | 04/11/76         | 60                  | 6199            | 45.6         | 135.7        | GGGG                               |                     |                     | 186                   | 29                   |
| 04120E 5847N                            | 2450-07411        | 00000/0000                   | 2-20023/0334                | 04/16/76         | 10                  | 6269            | 38.3         | 150.4        | GGGG                               |                     |                     | 191                   | 19                   |
| 04119E 4438N                            | 2715-07082        | 00000/0000                   | 2-20038/0746                | 01/06/77         | 40                  | 9964            | 16.4         | 148.4        | GGGG                               |                     |                     | 186                   | 29                   |
| 04118E 4436N                            | 2697-07090        | 00000/0000                   | 2-20037/1060                | 12/19/76         | 20                  | 9713            | 16.4         | 150.8        | GGGG                               |                     |                     | 186                   | 29                   |
| 04118E 4435N                            | 2553-07140        | 00000/0000                   | 2-20030/0239                | 07/28/76         | 50                  | 7705            | 53.2         | 123.9        | GGGG                               |                     |                     | 186                   | 29                   |
| 04118E 4434N                            | 2481-07155        | 00000/0000                   | 2-20025/0894                | 05/17/76         | 80                  | 6701            | 55.3         | 127.3        | GGGG                               |                     |                     | 186                   | 29                   |
| 04117E 5844N                            | 2468-07404        | 00000/0000                   | 2-20024/1455                | 05/04/76         | 40                  | 6520            | 44.1         | 149.1        | GGGG                               |                     |                     | 191                   | 19                   |
| 04115E 5845N                            | 2576-07375        | 00000/0000                   | 2-20027/0053                | 08/20/76         | 30                  | 8026            | 39.9         | 147.5        | GGGG                               |                     |                     | 191                   | 19                   |
| 04115E 5840N                            | 2432-07415        | 00000/0000                   | 2-20022/0856                | 03/29/76         | 50                  | 6018            | 31.6         | 151.1        | GGGG                               |                     |                     | 191                   | 19                   |
| 04115E 4433N                            | 2679-07095        | 00000/0000                   | 2-20036/0737                | 12/01/76         | 10                  | 9462            | 18.7         | 152.2        | GGGG                               |                     |                     | 186                   | 29                   |
| 04115E 4429N                            | 2535-07143        | 00000/0000                   | 2-20028/1082                | 07/10/76         | 80                  | 7454            | 56.0         | 120.6        | GGGG                               |                     |                     | 186                   | 29                   |
| 04115E 4427N                            | 2499-07153        | 00000/0000                   | 2-20026/0779                | 06/04/76         | 10                  | 6952            | 57.4         | 122.8        | GGGG                               |                     |                     | 186                   | 29                   |
| 04115E 0259S                            | 2382-06405        | 00000/0000                   | 2-20020/1170                | 02/08/76         | 40                  | 5320            | 46.9         | 109.2        | FGGG                               |                     |                     | 177                   | 62                   |
| 04114E 4433N                            | 2607-07123        | 00000/0000                   | 2-20032/1661                | 09/20/76         | 90                  | 8458            | 39.5         | 141.2        | GGGG                               |                     |                     | 186                   | 29                   |
| 04114E 4431N                            | 2625-07115        | 00000/0000                   | 2-20034/0568                | 10/08/76         | 50                  | 8709            | 33.8         | 146.3        | GGGG                               |                     |                     | 186                   | 29                   |
| 04114E 4429N                            | 2643-07111        | 00000/0000                   | 2-20035/0132                | 10/26/76         | 80                  | 8960            | 28.0         | 150.0        | GGGG                               |                     |                     | 186                   | 29                   |
| 04114E 4425N                            | 2517-07150        | 00000/0000                   | 2-20027/0313                | 06/22/76         | 90                  | 7203            | 57.5         | 120.2        | GGGG                               |                     |                     | 186                   | 29                   |
| 04114E 0254N                            | 2365-06451        | 00000/0000                   | 2-20020/0089                | 01/22/76         | 10                  | 5083            | 44.4         | 121.7        | GGGG                               |                     |                     | 178                   | 58                   |
| 04113E 5844N                            | 2594-07372        | 00000/0000                   | 2-20032/0955                | 09/07/76         | 20                  | 8277            | 34.1         | 151.0        | GGGG                               |                     |                     | 191                   | 19                   |
| 04113E 5837N                            | 2486-07402        | 00000/0000                   | 2-20025/1083                | 05/22/76         | 10                  | 6771            | 48.4         | 147.0        | FGGG                               |                     |                     | 191                   | 19                   |
| 04113E 4427N                            | 2661-07133        | 00000/0000                   | 2-20036/0924                | 11/13/76         | 10                  | 9211            | 22.8         | 151.9        | FFFF                               |                     |                     | 186                   | 29                   |
| 04113E 0253N                            | 2401-06443        | 00000/0000                   | 2-20021/0799                | 02/27/76         | 50                  | 5585            | 47.7         | 106.2        | GGGG                               |                     |                     | 178                   | 58                   |
| 04110E 0241N                            | 2383-06450        | 00000/0000                   | 2-20020/1230                | 02/09/76         | 0                   | 5334            | 45.7         | 114.6        | GFGG                               |                     |                     | 178                   | 58                   |
| 04108E 5837N                            | 2558-07382        | 00000/0000                   | 2-20030/0651                | 08/02/76         | 10                  | 7775            | 45.0         | 144.4        | GGGG                               |                     |                     | 191                   | 19                   |
| 04107E 5832N                            | 2414-07422        | 00000/0000                   | 2-20021/1445                | 03/11/76         | 70                  | 5767            | 24.5         | 151.6        | GGGG                               |                     |                     | 191                   | 19                   |
| 04107E 5830N                            | 2504-07395        | 00000/0000                   | 2-20026/1100                | 06/09/76         | 70                  | 7022            | 50.7         | 144.5        | FGGG                               |                     |                     | 191                   | 19                   |
| 04106E 5831N                            | 2540-07385        | 00000/0000                   | 2-20028/1476                | 07/15/76         | 20                  | 7524            | 48.7         | 142.7        | GGGG                               |                     |                     | 191                   | 19                   |
| 04106E 5828N                            | 2522-07392        | 00000/0000                   | 2-20025/0157                | 06/27/76         | 50                  | 7273            | 50.7         | 142.7        | GGGG                               |                     |                     | 191                   | 19                   |
| 04106E 4732N                            | 2464-07211        | 00000/0000                   | 2-20024/1011                | 04/30/76         | 10                  | 6464            | 50.0         | 135.5        | GGGG                               |                     |                     | 187                   | 27                   |
| 04105E 4731N                            | 2445-07214        | 00000/0000                   | 2-20022/1840                | 04/12/76         | 90                  | 6213            | 44.3         | 138.7        | GGGG                               |                     |                     | 187                   | 27                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, RAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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COORDINATE LISTING

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FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MBDF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 04103E                      | 4732N             | 2590-07175                              | 00000/0000       | 2-20032/0622        | 09/03/76        | 20           | 8221         | 42.8                  | 138.6               |                      |                       |                      |
| 04102E                      | 5557N             | 2575-07330                              | 00000/0000       | 2-20030/1461        | 08/19/76        | 20           | 8012         | 42.1                  | 143.9               | FFGG                 | 187                   | 27                   |
| 04102E                      | 4730N             | 2572-07182                              | 00000/0000       | 2-20030/1428        | 08/16/76        | 90           | 7970         | 47.8                  | 133.1               | GGGF                 | 190                   | 21                   |
| 04102E                      | 4729N             | 2716-07131                              | 00000/0000       | 2-20038/1010        | 01/07/77        | 80           | 9978         | 14.4                  | 149.5               | FFFF                 | 187                   | 27                   |
| 04101E                      | 4723N             | 2482-07205                              | 00000/0000       | 2-20025/0756        | 05/18/76        | 20           | 6715         | 54.2                  | 131.4               | FFFF                 | 187                   | 27                   |
| 04100E                      | 5558N             | 2447-07355                              | 00000/0000       | 2-20024/1540        | 05/03/76        | 40           | 6506         | 45.7                  | 145.7               | GGGG                 | 187                   | 27                   |
| 04059E                      | 4725N             | 2428-07222                              | 00000/0000       | 2-20022/0647        | 03/25/76        | 20           | 5962         | 37.7                  | 141.1               | GGGG                 | 190                   | 21                   |
| 04059E                      | 4722N             | 2650-07144                              | 00000/0000       | 2-20037/0613        | 12/02/76        | 90           | 9476         | 16.3                  | 153.4               | FGGG                 | 187                   | 27                   |
| 04058E                      | 4720N             | 2500-07202                              | 00000/0000       | 2-20026/0810        | 06/05/76        | 30           | 6966         | 56.4                  | 127.5               | FGGG                 | 187                   | 27                   |
| 04057E                      | 4722N             | 2608-07172                              | 00000/0000       | 2-20032/1558        | 09/21/76        | 90           | 8472         | 37.3                  | 144.0               | FGGG                 | 187                   | 27                   |
| 04057E                      | 4717N             | 2518-07195                              | 00000/0000       | 2-20028/0099        | 06/23/76        | 40           | 7217         | 56.5                  | 125.1               | GGGG                 | 187                   | 27                   |
| 04056E                      | 4719N             | 2626-07164                              | 00000/0000       | 2-20034/0579        | 10/09/76        | 10           | 8723         | 31.4                  | 148.5               | FGGG                 | 187                   | 27                   |
| 04055E                      | 5020N             | 2465-07261                              | 00000/0000       | 2-20024/1101        | 05/01/76        | 90           | 6478         | 48.7                  | 138.9               | GGGG                 | 187                   | 27                   |
| 04055E                      | 4717N             | 2410-07225                              | 00000/0000       | 2-20021/1256        | 03/07/76        | 100          | 5711         | 30.8                  | 143.3               | GGGG                 | 188                   | 25                   |
| 04055E                      | 4717N             | 2536-07192                              | 00000/0000       | 2-20028/1050        | 07/11/76        | 10           | 7468         | 54.9                  | 125.3               | GGGG                 | 187                   | 27                   |
| 04055E                      | 4717N             | 2644-07151                              | 00000/0000       | 2-20035/0063        | 10/27/76        | 10           | 8974         | 25.5                  | 151.8               | GGGG                 | 187                   | 27                   |
| 04055E                      | 4716N             | 2374-07235                              | 00000/0000       | 2-20020/0716        | 01/31/76        | 70           | 5209         | 19.3                  | 148.3               | GGGG                 | 187                   | 27                   |
| 04054E                      | 5548N             | 2485-07352                              | 00000/0000       | 2-20025/1027        | 05/21/76        | 90           | 6757         | 50.1                  | 143.1               | FGGG                 | 187                   | 27                   |
| 04054E                      | 4716N             | 2662-07152                              | 00000/0000       | 2-20036/0971        | 11/14/76        | 90           | 9225         | 20.3                  | 153.4               | GGGG                 | 190                   | 21                   |
| 04054E                      | 4715N             | 2392-07232                              | 00000/0000       | 2-20020/1696        | 02/18/76        | 70           | 5460         | 24.4                  | 145.6               | GGGG                 | 187                   | 27                   |
| 04054E                      | 0128N             | 2365-06454                              | 00000/0000       | 2-20020/0090        | 01/22/76        | 20           | 5083         | 45.0                  | 120.4               | GGGG                 | 178                   | 59                   |
| 04054E                      | 0126N             | 2401-06445                              | 00000/0000       | 2-20021/0800        | 02/27/76        | 90           | 5585         | 47.9                  | 104.6               | GGGG                 | 178                   | 59                   |
| 04053E                      | 6010N             | 2469-07460                              | 00000/0000       | 2-20024/1471        | 05/05/76        | 90           | 6534         | 43.4                  | 150.8               | GGGG                 | 192                   | 18                   |
| 04053E                      | 5555N             | 2593-07323                              | 00000/0000       | 2-20032/0955        | 09/06/76        | 60           | 8263         | 36.5                  | 147.9               | GGGG                 | 190                   | 21                   |
| 04052E                      | 5552N             | 2557-07333                              | 00000/0000       | 2-20030/0491        | 08/01/76        | 10           | 7761         | 46.9                  | 140.5               | GGGG                 | 190                   | 21                   |
| 04052E                      | 5311N             | 2448-07313                              | 00000/0000       | 2-20023/0154        | 04/14/76        | 0            | 6241         | 41.5                  | 144.5               | GGGG                 | 189                   | 23                   |
| 04052E                      | 5019N             | 2717-07180                              | 00000/0000       | 2-20038/1231        | 01/08/77        | 10           | 9992         | 12.3                  | 150.6               | GGGG                 | 188                   | 25                   |
| 04051E                      | 5552N             | 2611-07315                              | 00000/0000       | 2-20032/1843        | 09/24/76        | 90           | 8514         | 30.3                  | 151.8               | GGGG                 | 190                   | 21                   |
| 04051E                      | 5020N             | 2591-07224                              | 00000/0000       | 2-20032/0781        | 09/04/76        | 80           | 8235         | 40.8                  | 141.8               | GGGG                 | 188                   | 25                   |
| 04051E                      | 5018N             | 2573-07231                              | 00000/0000       | 2-20030/1653        | 08/17/76        | 10           | 7984         | 46.0                  | 136.8               | GGGG                 | 188                   | 25                   |
| 04050E                      | 5013N             | 2463-07254                              | 00000/0000       | 2-20025/0848        | 05/19/76        | 30           | 6729         | 52.9                  | 135.4               | GGGG                 | 188                   | 25                   |
| 04049E                      | 5542N             | 2647-07304                              | 00000/0000       | 2-20035/0339        | 10/30/76        | 70           | 9016         | 18.0                  | 157.1               | GGGF                 | 190                   | 21                   |
| 04049E                      | 5310N             | 2574-07280                              | 00000/0000       | 2-20030/1392        | 08/18/76        | 30           | 7998         | 44.1                  | 140.4               | GGGG                 | 189                   | 23                   |
| 04049E                      | 5308N             | 2718-07225                              | 00000/0000       | 2-20038/1203        | 01/09/77        | 80           | 6            | 10.3                  | 151.8               | GGGG                 | 189                   | 23                   |
| 04049E                      | 5307N             | 2430-07320                              | 00000/0000       | 2-20022/0872        | 03/27/76        | 80           | 5990         | 34.7                  | 146.0               | GGGG                 | 189                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MBDF ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR MSN-05  
FROM 01/22/76 TO 01/22/77

PAGE 1091

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NR./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 04049E                      | 5307N             | 2466-07310            | 00000/0000           | 2-20024/1094     | 05/02/76            | 90              | 6492         | 47.3         | 142.3                 | GGFG                |                      | 189                   | 23                   |
| 04049E                      | 5015N             | 2555-07234            | 00000/0000           | 2-20030/0450     | 07/30/76            | 10              | 7733         | 50.4         | 132.5                 | GGGG                |                      | 188                   | 25                   |
| 04049E                      | 5009N             | 2501-07251            | 00000/0000           | 2-20026/0851     | 06/06/76            | 80              | 6980         | 55.2         | 131.9                 | GGGG                |                      | 188                   | 25                   |
| 04049E                      | 0116N             | 2343-05452            | 00000/0000           | 2-20020/1231     | 02/09/76            | 0               | 5334         | 46.0         | 113.2                 | GGGG                |                      | 178                   | 59                   |
| 04048E                      | 5544N             | 2503-07350            | 00000/0000           | 2-20026/0998     | 06/08/76            | 80              | 7008         | 52.3         | 140.4                 | GGGG                |                      | 190                   | 21                   |
| 04048E                      | 5543N             | 2521-07343            | 00000/0000           | 2-20028/0194     | 06/26/76            | 40              | 7259         | 52.4         | 138.5                 | GGGG                |                      | 190                   | 21                   |
| 04048E                      | 5543N             | 2539-07340            | 00000/0000           | 2-20028/1424     | 07/14/76            | 90              | 7510         | 50.5         | 138.5                 | GGGG                |                      | 190                   | 21                   |
| 04048E                      | 5301N             | 2484-07303            | 00000/0000           | 2-20025/0945     | 05/20/76            | 70              | 6743         | 51.6         | 139.3                 | GGGG                |                      | 189                   | 23                   |
| 04047E                      | 6008N             | 2577-07431            | 00000/0000           | 2-20030/1667     | 08/21/76            | 80              | 8040         | 38.7         | 149.3                 | GGGG                |                      | 192                   | 18                   |
| 04047E                      | 5308N             | 2592-07273            | 00000/0000           | 2-20032/0756     | 09/05/76            | 30              | 8249         | 38.7         | 144.9                 | FFGG                |                      | 189                   | 23                   |
| 04047E                      | 5011N             | 2681-07193            | 00000/0000           | 2-20036/1872     | 12/03/76            | 100             | 9490         | 13.9         | 154.6                 | GGGF                |                      | 188                   | 25                   |
| 04045E                      | 5543N             | 2629-07312            | 00000/0000           | 2-20034/0794     | 10/12/76            | 70              | 8765         | 24.0         | 155.0                 | FFGG                |                      | 190                   | 21                   |
| 04045E                      | 5303N             | 2610-07270            | 00000/0000           | 2-20032/1715     | 09/23/76            | 90              | 8500         | 32.7         | 149.2                 | GGG                 |                      | 189                   | 23                   |
| 04045E                      | 5013N             | 2609-07221            | 00000/0000           | 2-20032/1617     | 09/22/76            | 0               | 8486         | 35.1         | 146.6                 | GGGG                |                      | 188                   | 25                   |
| 04045E                      | 5009N             | 2537-07241            | 00000/0000           | 2-20028/1230     | 07/12/76            | 70              | 7432         | 53.6         | 129.9                 | GG                  |                      | 188                   | 25                   |
| 04044E                      | 5302N             | 2556-07284            | 00000/0000           | 2-20030/0436     | 07/31/76            | 80              | 7747         | 48.7         | 136.5                 | GGGG                |                      | 189                   | 23                   |
| 04044E                      | 5300N             | 2682-07242            | 00000/0000           | 2-20037/0086     | 12/04/76            | 90              | 9504         | 11.5         | 155.9                 | GGGF                |                      | 189                   | 23                   |
| 04044E                      | 5257N             | 2502-07301            | 00000/0000           | 2-20026/0922     | 06/07/76            | 60              | 6994         | 53.8         | 136.2                 | GGGG                |                      | 189                   | 23                   |
| 04043E                      | 5251N             | 2376-07333            | 00000/0000           | 2-20020/0756     | 02/02/76            | 10              | 5237         | 15.7         | 150.9                 | FFGG                |                      | 189                   | 23                   |
| 04043E                      | 5007N             | 2645-07210            | 00000/0000           | 2-20035/0103     | 10/28/76            | 50              | 8988         | 23.0         | 153.6                 | GGGG                |                      | 188                   | 25                   |
| 04043E                      | 5005N             | 2519-07245            | 00000/0000           | 2-20027/0475     | 06/24/76            | 30              | 7231         | 55.3         | 129.7                 | GGGG                |                      | 188                   | 25                   |
| 04042E                      | 6002N             | 2559-07434            | 00000/0000           | 2-20030/0751     | 08/03/76            | 20              | 7789         | 43.8         | 146.4                 | GGGG                |                      | 192                   | 18                   |
| 04042E                      | 5253N             | 2664-07251            | 00000/0000           | 2-20036/1143     | 11/16/76            | 100             | 9253         | 15.3         | 156.3                 | GGGG                |                      | 189                   | 23                   |
| 04042E                      | 5009N             | 2627-07214            | 00000/0000           | 2-20034/0675     | 10/10/76            | 70              | 8737         | 29.0         | 150.7                 | GGG                 |                      | 188                   | 25                   |
| 04041E                      | 5256N             | 2538-07291            | 00000/0000           | 2-20028/1297     | 07/13/76            | 100             | 7496         | 52.1         | 134.3                 | GGGG                |                      | 189                   | 23                   |
| 04041E                      | 5254N             | 2646-07255            | 00000/0000           | 2-20035/0229     | 10/29/76            | 30              | 9002         | 20.5         | 155.3                 | GGGG                |                      | 189                   | 23                   |
| 04041E                      | 5253N             | 2334-07331            | 00000/0000           | 2-20021/0335     | 02/20/76            | 20              | 5488         | 21.1         | 148.9                 | GGFF                |                      | 189                   | 23                   |
| 04040E                      | 5254N             | 2412-07324            | 00000/0000           | 2-20021/1371     | 03/09/76            | 10              | 5739         | 27.8         | 147.3                 | GGFG                |                      | 189                   | 23                   |
| 04040E                      | 5252N             | 2520-07294            | 00000/0000           | 2-20028/0035     | 06/25/76            | 20              | 7245         | 53.9         | 134.1                 | GGGG                |                      | 189                   | 23                   |
| 04037E                      | 5952N             | 2541-07441            | 00000/0000           | 2-20028/1756     | 07/16/76            | 30              | 7538         | 47.7         | 144.7                 | GGGG                |                      | 192                   | 18                   |
| 04034E                      | 0002N             | 2365-06460            | 00000/0000           | 2-20020/0091     | 01/22/76            | 40              | 5083         | 45.5         | 119.0                 | GGGG                |                      | 178                   | 60                   |
| 04034E                      | 0000N             | 2401-06450            | 00000/0000           | 2-20021/0801     | 02/27/76            | 90              | 5585         | 48.0         | 103.0                 | GGGG                |                      | 178                   | 60                   |
| 04032E                      | 5949N             | 2523-07444            | 00000/0000           | 2-20028/0321     | 06/28/76            | 90              | 7287         | 49.8         | 144.8                 | GGGG                |                      | 192                   | 18                   |
| 04031E                      | 4607N             | 2464-07214            | 00000/0000           | 2-20024/1012     | 04/30/76            | 30              | 6464         | 50.8         | 133.6                 | GGGG                |                      | 187                   | 28                   |
| 04029E                      | 4606N             | 2446-07221            | 00000/0000           | 2-20022/1841     | 04/12/76            | 90              | 6213         | 45.1         | 137.1                 | GGGG                |                      | 187                   | 28                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 1092

| PRINCIPAL POINT<br>OF IMAGE | COORDINATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|--------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04029E                      | 0010S              | 2333-06435                   | 00000/0000                 | 2-20020/1232     | 02/09/76            | 30              | 5334         | 46.4         | 111.7                              |                     |                      |                       |                      |
| 04028E                      | 0547N              | 2412-06442                   | 00000/0000                 | 2-20021/1944     | 02/28/76            | 80              | 5599         | 47.4         | 108.9                              | GGGG                |                      | 178                   | 60                   |
| 04027E                      | 4607N              | 2559-07141                   | 00000/0000                 | 2-20032/0623     | 09/03/76            | 30              | 8221         | 43.7         | 137.2                              | GGGG                |                      | 179                   | 56                   |
| 04027E                      | 4605N              | 2572-07144                   | 00000/0000                 | 2-20030/1429     | 08/16/76            | 80              | 7970         | 48.5         | 131.3                              | GGGG                |                      | 187                   | 28                   |
| 04027E                      | 4604N              | 2716-07134                   | 00000/0000                 | 2-20037/1011     | 01/07/77            | 30              | 9978         | 15.4         | 148.8                              | FFFF                |                      | 187                   | 28                   |
| 04027E                      | 0548N              | 2366-06501                   | 00000/0000                 | 2-20020/1143     | 01/23/76            | 10              | 5097         | 43.3         | 124.0                              | GGGG                |                      | 187                   | 28                   |
| 04026E                      | 4558N              | 2442-07211                   | 00000/0000                 | 2-20025/0757     | 05/18/76            | 10              | 6715         | 54.9         | 129.2                              | GGGF                |                      | 179                   | 56                   |
| 04025E                      | 5724N              | 2450-07414                   | 00000/0000                 | 2-20025/0335     | 04/16/76            | 10              | 6269         | 39.3         | 148.9                              | GGGG                |                      | 187                   | 28                   |
| 04024E                      | 6132N              | 2578-07442                   | 00000/0000                 | 2-20030/1736     | 08/22/76            | 90              | 8054         | 37.4         | 151.2                              | GGGG                |                      | 191                   | 20                   |
| 04024E                      | 4600N              | 2428-07224                   | 00000/0000                 | 2-20027/0648     | 03/25/76            | 50              | 5962         | 38.5         | 139.9                              | GGGG                |                      | 193                   | 17                   |
| 04023E                      | 6127N              | 2470-07512                   | 00000/0000                 | 2-20024/1738     | 05/06/76            | 80              | 6548         | 42.8         | 152.5                              | GGGG                |                      | 187                   | 28                   |
| 04023E                      | 5721N              | 2468-07411                   | 00000/0000                 | 2-20024/1456     | 05/06/76            | 90              | 6520         | 45.1         | 147.3                              | GGGG                |                      | 193                   | 17                   |
| 04023E                      | 4557N              | 2630-07150                   | 00000/0000                 | 2-20037/0614     | 12/02/76            | 20              | 9476         | 17.4         | 152.7                              | GGGG                |                      | 191                   | 20                   |
| 04023E                      | 4555N              | 2500-07204                   | 00000/0000                 | 2-20026/0811     | 06/05/76            | 40              | 6966         | 56.9         | 125.1                              | GGGG                |                      | 187                   | 28                   |
| 04022E                      | 4557N              | 2608-07174                   | 00000/0000                 | 2-20037/1559     | 09/21/76            | 100             | 8472         | 38.3         | 142.7                              | GGGG                |                      | 187                   | 28                   |
| 04022E                      | 4553N              | 2518-07202                   | 00000/0000                 | 2-20028/0100     | 06/23/76            | 60              | 7217         | 57.0         | 122.6                              | GGGG                |                      | 187                   | 28                   |
| 04022E                      | 0533N              | 2384-06495                   | 00000/0000                 | 2-20020/1327     | 02/10/76            | 10              | 5348         | 44.9         | 117.0                              | GGGG                |                      | 187                   | 28                   |
| 04021E                      | 5717N              | 2432-07421                   | 00000/0000                 | 2-20027/0857     | 03/29/76            | 30              | 6018         | 32.6         | 149.7                              | GGGG                |                      | 179                   | 56                   |
| 04021E                      | 4554N              | 2626-07171                   | 00000/0000                 | 2-20034/0580     | 10/09/76            | 60              | 8723         | 32.4         | 147.5                              | GGGG                |                      | 191                   | 20                   |
| 04020E                      | 6123N              | 2560-07470                   | 00000/0000                 | 2-20030/0659     | 08/04/76            | 70              | 7803         | 42.7         | 148.4                              | GGGG                |                      | 187                   | 28                   |
| 04020E                      | 5722N              | 2576-07351                   | 00000/0000                 | 2-20032/0054     | 08/20/76            | 10              | 8026         | 40.9         | 145.8                              | GGGG                |                      | 193                   | 17                   |
| 04020E                      | 4553N              | 2536-07195                   | 00000/0000                 | 2-20028/1051     | 07/11/76            | 10              | 7468         | 55.4         | 123.0                              | GGGG                |                      | 191                   | 20                   |
| 04020E                      | 4552N              | 2410-07232                   | 00000/0000                 | 2-20021/1257     | 03/07/76            | 80              | 5711         | 31.8         | 142.3                              | GGGG                |                      | 187                   | 28                   |
| 04020E                      | 4552N              | 2644-07163                   | 00000/0000                 | 2-20035/0664     | 10/27/76            | 20              | 8974         | 26.6         | 151.0                              | GGGG                |                      | 187                   | 28                   |
| 04020E                      | 4552N              | 2662-07155                   | 00000/0000                 | 2-20036/0972     | 11/14/76            | 10              | 9225         | 21.4         | 152.7                              | GGGG                |                      | 187                   | 28                   |
| 04020E                      | 4551N              | 2374-07241                   | 00000/0000                 | 2-20020/0717     | 01/21/76            | 60              | 5209         | 20.3         | 147.5                              | GGGG                |                      | 187                   | 28                   |
| 04019E                      | 5721N              | 2594-07374                   | 00000/0000                 | 2-20037/0986     | 09/07/76            | 30              | 8277         | 35.1         | 149.6                              | GGGG                |                      | 187                   | 28                   |
| 04019E                      | 5714N              | 2486-07404                   | 00000/0000                 | 2-20025/1084     | 05/22/76            | 20              | 6771         | 49.3         | 145.0                              | GGGG                |                      | 191                   | 20                   |
| 04019E                      | 4550N              | 2352-07235                   | 00000/0000                 | 2-20020/1637     | 02/18/76            | 60              | 5460         | 25.4         | 144.8                              | GGGG                |                      | 187                   | 28                   |
| 04017E                      | 0125S              | 2509-06424                   | 00000/0000                 | 2-20027/0182     | 06/14/76            | 60              | 7051         | 44.7         | 54.5                               | GGGG                |                      | 178                   | 61                   |
| 04016E                      | 4858N              | 2447-07270                   | 00000/0000                 | 2-20023/0959     | 04/13/76            | 100             | 6227         | 43.8         | 140.1                              | GGGG                |                      | 188                   | 26                   |
| 04016E                      | 4855N              | 2465-07263                   | 00000/0000                 | 2-20024/1102     | 05/01/76            | 90              | 6478         | 49.5         | 137.1                              | GGGG                |                      | 188                   | 26                   |
| 04015E                      | 5715N              | 2612-07371                   | 00000/0000                 | 2-20032/1858     | 09/25/76            | 20              | 8523         | 28.9         | 153.2                              | GGGG                |                      | 191                   | 20                   |
| 04014E                      | 5713N              | 2558-07345                   | 00000/0000                 | 2-20030/0728     | 08/02/76            | 10              | 7775         | 45.8         | 142.5                              | GGGG                |                      | 191                   | 20                   |
| 04014E                      | 5433N              | 2575-07332                   | 00000/0000                 | 2-20030/1462     | 08/19/76            | 30              | 8012         | 43.0         | 142.3                              | GGGG                |                      | 190                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 1093

| PRINCIPAL POINT<br>OF IMAGE | PRESERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>BY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|--------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                    | RBV<br>MSS                              |                  |                     |                 |              |              | 123 45678            |                     |                      |                       |                      |
| 04014E                      | 4854N              | 2717-07182                              | 00000/0000       | 2-20035/1232        | 01/08/77        | 30           | 9992         | 13.4                 | 149.9               |                      |                       |                      |
| 04014E                      | 0123S              | 2365-06463                              | 00000/0000       | 2-20020/0092        | 01/22/76        | 90           | 5083         | 45.9                 | 117.6               | GGGG                 | 188                   | 26                   |
| 04014E                      | 0125S              | 2401-06454                              | 00000/0000       | 2-20021/0802        | 02/27/76        | 90           | 5585         | 48.1                 | 101.3               | GGGG                 | 178                   | 61                   |
| 04013E                      | 6117N              | 2542-07493                              | 00000/0000       | 2-20028/1637        | 07/17/76        | 30           | 7552         | 46.6                 | 146.9               | GGGG                 | 178                   | 61                   |
| 04013E                      | 5709N              | 2414-07425                              | 00000/0000       | 2-20021/1446        | 03/11/76        | 50           | 5767         | 25.6                 | 150.5               | GGGG                 | 193                   | 17                   |
| 04013E                      | 5707N              | 2666-07352                              | 00000/0000       | 2-20036/0906        | 11/18/76        | 90           | 9281         | 11.3                 | 158.7               | GGGG                 | 191                   | 20                   |
| 04013E                      | 5706N              | 2396-07432                              | 00000/0000       | 2-20021/0409        | 02/22/76        | 10           | 5516         | 18.8                 | 151.6               | FGFG                 | 191                   | 20                   |
| 04013E                      | 5706N              | 2504-07402                              | 00000/0000       | 2-20026/1101        | 06/09/76        | 70           | 7022         | 51.5                 | 142.3               | GGGG                 | 191                   | 20                   |
| 04013E                      | 4853N              | 2573-07234                              | 00000/0000       | 2-20030/1654        | 08/17/76        | 10           | 7984         | 46.8                 | 135.1               | GGGG                 | 191                   | 20                   |
| 04012E                      | 6813N              | 2439-08185                              | 00000/0000       | 2-20022/1559        | 04/05/76        | 10           | 6116         | 27.1                 | 162.5               | GGGG                 | 188                   | 26                   |
| 04012E                      | 5707N              | 2540-07392                              | 00000/0000       | 2-20028/1477        | 07/15/76        | 10           | 7524         | 49.5                 | 140.6               | GGGG                 | 198                   | 12                   |
| 04012E                      | 5704N              | 2522-07395                              | 00000/0000       | 2-20028/0158        | 06/27/76        | 60           | 7273         | 51.5                 | 140.6               | FGGG                 | 191                   | 20                   |
| 04012E                      | 5435N              | 2449-07365                              | 00000/0000       | 2-20023/0348        | 04/15/76        | 0            | 6255         | 40.9                 | 145.8               | GGGG                 | 191                   | 20                   |
| 04012E                      | 5434N              | 2467-07342                              | 00000/0000       | 2-20024/1541        | 05/03/76        | 30           | 6506         | 46.6                 | 143.9               | GGGG                 | 190                   | 22                   |
| 04012E                      | 4855N              | 2591-07231                              | 00000/0000       | 2-20032/0782        | 09/04/76        | 70           | 8235         | 41.7                 | 140.4               | GGGG                 | 190                   | 22                   |
| 04010E                      | 6113N              | 2506-07503                              | 00000/0000       | 2-20026/1333        | 06/11/76        | 90           | 7050         | 49.0                 | 148.4               | GGGG                 | 188                   | 26                   |
| 04010E                      | 6113N              | 2524-07500                              | 00000/0000       | 2-20028/0276        | 06/29/76        | 80           | 7301         | 48.8                 | 146.9               | GGGG                 | 193                   | 17                   |
| 04010E                      | 5704N              | 2630-07364                              | 00000/0000       | 2-20034/0686        | 10/13/76        | 60           | 8779         | 22.6                 | 156.1               | GGGG                 | 193                   | 17                   |
| 04010E                      | 5658N              | 2378-07435                              | 00000/0000       | 2-20020/0506        | 02/04/76        | 0            | 5265         | 13.1                 | 153.1               | G                    | 191                   | 20                   |
| 04010E                      | 4850N              | 2555-07241                              | 00000/0000       | 2-20030/0451        | 07/30/76        | 10           | 7732         | 51.7                 | 130.5               | GGFF                 | 191                   | 20                   |
| 04010E                      | 4844N              | 2501-07254                              | 00000/0000       | 2-20026/0892        | 06/06/76        | 20           | 6980         | 55.8                 | 129.6               | GGGG                 | 188                   | 26                   |
| 04009E                      | 5705N              | 2648-07360                              | 00000/0000       | 2-20035/0360        | 10/31/76        | 100          | 9030         | 16.5                 | 158.1               | GGGG                 | 188                   | 26                   |
| 04009E                      | 5428N              | 2431-07372                              | 00000/0000       | 2-20022/0765        | 03/28/76        | 100          | 6004         | 34.2                 | 147.2               | GGGG                 | 191                   | 20                   |
| 04009E                      | 5146N              | 2448-07315                              | 00000/0000       | 2-20023/0155        | 04/14/76        | 70           | 6241         | 42.4                 | 143.0               | GGGG                 | 190                   | 22                   |
| 04009E                      | 0138S              | 2353-06461                              | 00000/0000       | 2-20027/1233        | 02/09/76        | 70           | 5334         | 46.7                 | 110.2               | GGGG                 | 189                   | 24                   |
| 04008E                      | 6812N              | 2475-08175                              | 00000/0000       | 2-20025/0157        | 05/11/76        | 80           | 6618         | 38.9                 | 162.4               | GGGG                 | 178                   | 61                   |
| 04008E                      | 0421N              | 2402-06474                              | 00000/0000       | 2-20021/0945        | 02/28/76        | 50           | 5599         | 47.6                 | 107.3               | FGGG                 | 198                   | 12                   |
| 04007E                      | 5143N              | 2466-07312                              | 00000/0000       | 2-20024/1095        | 05/02/76        | 80           | 6492         | 48.1                 | 140.5               | GGGG                 | 179                   | 57                   |
| 04007E                      | 4848N              | 2609-07224                              | 00000/0000       | 2-20032/1618        | 09/22/76        | 10           | 8486         | 36.0                 | 145.4               | GGGG                 | 189                   | 24                   |
| 04007E                      | 4848N              | 2681-07200                              | 00000/0000       | 2-20036/1873        | 12/03/76        | 100          | 9490         | 15.0                 | 154.0               | GGGG                 | 188                   | 26                   |
| 04007E                      | 4844N              | 2537-07244                              | 00000/0000       | 2-20028/1225        | 07/12/76        | 80           | 7482         | 54.2                 | 127.7               | FGGG                 | 188                   | 26                   |
| 04007E                      | 0422N              | 2366-06503                              | 00000/0000       | 2-20020/0144        | 01/23/76        | 10           | 5097         | 43.9                 | 122.7               | GGGG                 | 188                   | 26                   |
| 04006E                      | 5431N              | 2593-07325                              | 00000/0000       | 2-20032/0956        | 09/06/76        | 70           | 8263         | 37.4                 | 146.5               | GFFG                 | 179                   | 57                   |
| 04006E                      | 5424N              | 2485-07355                              | 00000/0000       | 2-20025/1028        | 05/21/76        | 90           | 6757         | 50.9                 | 141.1               | FGGG                 | 190                   | 22                   |
| 04006E                      | 5145N              | 2574-07283                              | 00000/0000       | 2-20030/1393        | 08/14/76        | 20           | 7998         | 44.9                 | 138.8               | GGGG                 | 190                   | 22                   |
|                             |                    |                                         |                  |                     |                 |              |              |                      |                     | GGGG                 | 189                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 \* % CLOUD COVER.  
 IMAGE QUALITY ..... PLANKS, BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=IRRA GAIN, H=HIGH GAIN

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LANH SAT-2  
COORDINATE LISTING

FOR NON-US

FROM 01/22/76 TO 01/22/77

PAGE 1094

PRINCIPAL POINT OBSERVATION  
OF IMAGE ID  
LONG LAT

MICROFILM ROLL NO./  
POSITION IN ROLL  
RBV MSS

DATE CLUD BRBIT SUN  
ACQUIRED COVER NUMBER ELEV. SUN  
%

IMAGE=QUAL MSS MSS BRBIT FRAME  
RBV MSS DATA IMAGE PATH ROW  
123 45678 M8DF GAIN NUM. NUM.

|        |       |            |            |              |          |     |      |      |       |      |  |  |  |  |  |     |    |
|--------|-------|------------|------------|--------------|----------|-----|------|------|-------|------|--|--|--|--|--|-----|----|
| 04006E | 5144N | 2718-07232 | 00000/0000 | 2-20038/1204 | 01/09/77 | 80  | 6    | 11.4 | 151.1 |      |  |  |  |  |  |     |    |
| 04006E | 5142N | 2430-07233 | 00000/0000 | 2-20022/0873 | 03/27/76 | 60  | 5990 | 35.7 | 144.7 | GGGG |  |  |  |  |  | 189 | 24 |
| 04005E | 5144N | 2592-07280 | 00000/0000 | 2-20032/0757 | 09/05/76 | 20  | 8249 | 39.6 | 143.5 | GGGG |  |  |  |  |  | 189 | 24 |
| 04005E | 5136N | 2434-07310 | 00000/0000 | 2-20025/0946 | 05/20/76 | 40  | 6743 | 52.4 | 137.2 | FGFG |  |  |  |  |  | 189 | 24 |
| 04005E | 4843N | 2645-07212 | 00000/0000 | 2-20035/0104 | 10/28/76 | 100 | 8988 | 24.1 | 152.7 | GGGG |  |  |  |  |  | 189 | 24 |
| 04004E | 4840N | 2519-07251 | 00000/0000 | 2-20027/0476 | 06/24/76 | 40  | 7231 | 55.9 | 127.3 | GGGG |  |  |  |  |  | 188 | 26 |
| 04004E | 6419N | 2454-07022 | 00000/0000 | 2-20024/0138 | 04/20/76 | 40  | 6325 | 35.6 | 157.0 | GGGG |  |  |  |  |  | 188 | 26 |
| 04004E | 5428N | 2557-07335 | 00000/0000 | 2-20030/0492 | 08/01/76 | 10  | 7761 | 47.7 | 138.6 | GGG  |  |  |  |  |  | 195 | 15 |
| 04004E | 4843N | 2627-07220 | 00000/0000 | 2-20034/0676 | 10/10/76 | 60  | 8737 | 30.0 | 149.7 | GGGG |  |  |  |  |  | 190 | 22 |
| 04004E | 4841N | 2653-07204 | 00000/0000 | 2-20036/0701 | 11/15/76 | 100 | 9239 | 18.9 | 154.1 | GGG  |  |  |  |  |  | 188 | 26 |
| 04003E | 5429N | 2611-07382 | 00000/0000 | 2-20032/1844 | 09/24/76 | 80  | 8514 | 31.3 | 150.7 | GGGG |  |  |  |  |  | 188 | 26 |
| 04002E | 5418N | 2647-07311 | 00000/0000 | 2-20035/0340 | 10/30/76 | 20  | 9016 | 19.1 | 156.2 | GGGG |  |  |  |  |  | 190 | 22 |
| 04002E | 5415N | 2395-07383 | 00000/0000 | 2-20021/0358 | 02/21/76 | 10  | 5502 | 20.5 | 149.7 | GGGG |  |  |  |  |  | 190 | 22 |
| 04002E | 5139N | 2610-07273 | 00000/0000 | 2-20032/1716 | 09/23/76 | 100 | 8500 | 33.7 | 148.1 | GGGG |  |  |  |  |  | 190 | 22 |
| 04002E | 0406N | 2384-06502 | 00000/0000 | 2-20020/1328 | 02/10/76 | 10  | 5348 | 45.4 | 115.6 | GGGG |  |  |  |  |  | 189 | 24 |
| 04001E | 5138N | 2556-07290 | 00000/0000 | 2-20030/0437 | 07/31/76 | 60  | 7747 | 49.4 | 134.6 | GGGG |  |  |  |  |  | 179 | 57 |
| 04001E | 5135N | 2682-07245 | 00000/0000 | 2-20037/0087 | 12/04/76 | 90  | 9504 | 12.6 | 155.2 | GGGG |  |  |  |  |  | 189 | 24 |
| 04001E | 5133N | 2502-07303 | 00000/0000 | 2-20026/0923 | 06/07/76 | 70  | 6994 | 54.5 | 134.0 | GGGG |  |  |  |  |  | 189 | 24 |
| 04001E | 1005N | 2367-06544 | 00000/0000 | 2-20020/0227 | 01/24/76 | 0   | 5111 | 41.4 | 127.3 | GGGG |  |  |  |  |  | 189 | 24 |
| 04000E | 5420N | 2413-07380 | 00000/0000 | 2-20021/1431 | 03/10/76 | 0   | 5753 | 27.2 | 148.3 | GGGG |  |  |  |  |  | 180 | 53 |
| 04000E | 5420N | 2503-07352 | 00000/0000 | 2-20026/0999 | 06/08/76 | 90  | 7008 | 53.1 | 138.2 | GGGG |  |  |  |  |  | 190 | 22 |
| 04000E | 5419N | 2539-07343 | 00000/0000 | 2-20028/1425 | 07/14/76 | 100 | 7510 | 51.2 | 136.4 | FGGG |  |  |  |  |  | 190 | 22 |
| 04000E | 5418N | 2521-07350 | 00000/0000 | 2-20028/0195 | 06/26/76 | 10  | 7259 | 53.1 | 136.3 | GGGG |  |  |  |  |  | 190 | 22 |
| 04000E | 5127N | 2376-07340 | 00000/0000 | 2-20020/0757 | 02/02/76 | 10  | 5237 | 16.7 | 150.2 | GGGG |  |  |  |  |  | 189 | 24 |
| 03959E | 6412N | 2472-08015 | 00000/0000 | 2-20025/0033 | 05/08/76 | 80  | 6576 | 41.3 | 156.2 | GGGG |  |  |  |  |  | 195 | 15 |
| 03959E | 5414N | 2377-07345 | 00000/0000 | 2-20028/0828 | 02/03/76 | 10  | 5251 | 14.9 | 151.6 | FFGF |  |  |  |  |  | 190 | 22 |
| 03959E | 5132N | 2534-07293 | 00000/0000 | 2-20028/1298 | 07/13/76 | 90  | 7496 | 52.8 | 132.1 | GGGG |  |  |  |  |  | 189 | 24 |
| 03959E | 5129N | 2394-07333 | 00000/0000 | 2-20021/0336 | 02/20/76 | 30  | 5488 | 22.1 | 148.0 | GGGG |  |  |  |  |  | 189 | 24 |
| 03958E | 5419N | 2629-07315 | 00000/0000 | 2-20036/1144 | 11/16/76 | 100 | 9253 | 16.4 | 155.6 | GGGG |  |  |  |  |  | 189 | 24 |
| 03958E | 5130N | 2412-07330 | 00000/0000 | 2-20034/0795 | 10/12/76 | 100 | 8765 | 25.1 | 154.0 | GGGG |  |  |  |  |  | 189 | 24 |
| 03958E | 5429N | 2646-07262 | 00000/0000 | 2-20021/1372 | 03/09/76 | 10  | 5739 | 28.7 | 146.2 | GGGG |  |  |  |  |  | 190 | 22 |
| 03958E | 5127N | 2520-07380 | 00000/0000 | 2-20035/0230 | 10/29/76 | 10  | 9002 | 21.6 | 154.5 | GFFG |  |  |  |  |  | 189 | 24 |
| 03958E | 4442N | 2464-07220 | 00000/0000 | 2-20028/0036 | 06/25/76 | 20  | 7245 | 54.6 | 131.9 | GGGG |  |  |  |  |  | 189 | 24 |
| 03956E | 4441N | 2446-07223 | 00000/0000 | 2-20024/1013 | 04/30/76 | 20  | 6464 | 51.5 | 131.7 | GGGG |  |  |  |  |  | 187 | 29 |
|        |       |            | 00000/0000 | 2-20022/1842 | 04/12/76 | 90  | 6213 | 45.9 | 135.6 | GGGG |  |  |  |  |  | 187 | 29 |

KEYS: CLUD COVER % ..... 0 TO 100 = % CLUD COVER.  
IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
MSS DATA M8DF ..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN ..... (BLANK)=18% GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------------------------|------------------|---------------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 03954E                      | 5847N             | 2469-07453                                     | 00000/0000       | 2-20024/1472        | 05/05/76     | 90           | 6534                  | 44.4                | 149.0                |                       |                      |
| 03954E                      | 4439N             | 2716-07140                                     | 00000/0000       | 2-20038/1012        | 01/07/77     | 20           | 9978                  | 16.5                | 148.2                | GGGG                  | 192                  |
| 03954E                      | 0251S             | 2401-06461                                     | 00000/0000       | 2-20021/0803        | 02/27/76     | 70           | 5585                  | 48.1                | 99.7                 | GGG                   | 187                  |
| 03953E                      | 4442N             | 2550-07134                                     | 00000/0000       | 2-20032/0624        | 09/03/76     | 50           | 8221                  | 44.5                | 135.6                | GGGG                  | 178                  |
| 03953E                      | 0250S             | 2365-06405                                     | 00000/0000       | 2-20020/0093        | 01/22/76     | 70           | 5083                  | 46.4                | 116.1                | FFGG                  | 187                  |
| 03952E                      | 4433N             | 2482-07214                                     | 00000/0000       | 2-20025/0758        | 05/18/76     | 10           | 6715                  | 55.5                | 127.0                | GGGG                  | 178                  |
| 03950E                      | 4435N             | 2428-07231                                     | 00000/0000       | 2-20022/0649        | 03/25/76     | 10           | 5962                  | 39.4                | 138.6                | GGGG                  | 187                  |
| 03950E                      | 4430N             | 2500-07211                                     | 00000/0000       | 2-20026/0812        | 06/05/76     | 40           | 6966                  | 57.5                | 122.7                | FFGG                  | 187                  |
| 03949E                      | 4432N             | 2680-07153                                     | 00000/0000       | 2-20037/0615        | 12/02/76     | 20           | 9476                  | 18.5                | 152.1                | GGGG                  | 187                  |
| 03949E                      | 4428N             | 2518-07204                                     | 00000/0000       | 2-20028/0101        | 06/23/76     | 50           | 7217                  | 57.5                | 120.2                | PPGG                  | 187                  |
| 03949E                      | 0303S             | 2383-06464                                     | 00000/0000       | 2-20020/1234        | 02/09/76     | 50           | 5334                  | 46.9                | 108.7                | FFGG                  | 187                  |
| 03948E                      | 5845N             | 2577-07433                                     | 00000/0000       | 2-20030/1668        | 08/21/76     | 70           | 8040                  | 39.7                | 147.6                | FFGG                  | 178                  |
| 03948E                      | 0254N             | 2402-06501                                     | 00000/0000       | 2-20021/0946        | 02/28/76     | 90           | 5599                  | 47.8                | 105.7                | GGGG                  | 192                  |
| 03947E                      | 4428N             | 2536-07201                                     | 00000/0000       | 2-20028/1052        | 07/11/76     | 30           | 7468                  | 55.9                | 120.7                | GGGG                  | 179                  |
| 03947E                      | 4428N             | 2626-07173                                     | 00000/0000       | 2-20034/0581        | 10/09/76     | 80           | 8723                  | 33.5                | 146.5                | GGGG                  | 187                  |
| 03947E                      | 4428N             | 2644-07170                                     | 00000/0000       | 2-20035/0065        | 10/27/76     | 50           | 8974                  | 27.7                | 150.1                | GGGG                  | 187                  |
| 03947E                      | 4427N             | 2410-07234                                     | 00000/0000       | 2-20021/1258        | 03/07/76     | 30           | 5711                  | 32.7                | 141.2                | GGGG                  | 187                  |
| 03947E                      | 4427N             | 2662-07161                                     | 00000/0000       | 2-20036/0973        | 11/14/76     | 0            | 9225                  | 22.5                | 152.0                | FFGG                  | 187                  |
| 03947E                      | 4426N             | 2374-07244                                     | 00000/0000       | 2-20020/0718        | 01/31/76     | 70           | 5209                  | 21.3                | 146.8                | FFGG                  | 187                  |
| 03947E                      | 0255N             | 2366-06510                                     | 00000/0000       | 2-20020/0145        | 01/23/76     | 10           | 5097                  | 44.4                | 121.4                | GGGG                  | 187                  |
| 03946E                      | 4426N             | 2392-07241                                     | 00000/0000       | 2-20020/1698        | 02/18/76     | 0            | 5460                  | 26.4                | 143.9                | GGGG                  | 187                  |
| 03944E                      | 5839N             | 2559-07440                                     | 00000/0000       | 2-20030/0752        | 08/03/76     | 70           | 7789                  | 44.7                | 144.5                | GGGG                  | 187                  |
| 03942E                      | 5836N             | 2613-07423                                     | 00000/0000       | 2-20034/0090        | 09/26/76     | 70           | 8542                  | 27.5                | 154.6                | GGFF                  | 192                  |
| 03942E                      | 0839N             | 2367-06550                                     | 00000/0000       | 2-20020/0228        | 01/24/76     | 0            | 5111                  | 42.1                | 126.1                | GGGG                  | 192                  |
| 03942E                      | 0240N             | 2384-06504                                     | 00000/0000       | 2-20020/1329        | 02/10/76     | 0            | 5348                  | 45.8                | 114.2                | GGGF                  | 180                  |
| 03940E                      | 6358N             | 2508-08010                                     | 00000/0000       | 2-20026/1418        | 06/13/76     | 90           | 7078                  | 47.2                | 152.6                | GGGG                  | 179                  |
| 03940E                      | 6358N             | 2526-08003                                     | 00000/0000       | 2-20028/0510        | 07/01/76     | 90           | 7329                  | 46.9                | 151.2                | GGGG                  | 195                  |
| 03940E                      | 5830N             | 2541-07444                                     | 00000/0000       | 2-20028/1757        | 07/16/76     | 10           | 7538                  | 48.5                | 142.7                | G                     | 195                  |
| 03939E                      | 4733N             | 2447-07273                                     | 00000/0000       | 2-20023/0060        | 04/13/76     | 80           | 6227                  | 44.6                | 138.5                | GGGG                  | 192                  |
| 03939E                      | 4730N             | 2465-07270                                     | 00000/0000       | 2-20024/1103        | 05/01/76     | 40           | 6478                  | 50.3                | 135.2                | GGGG                  | 188                  |
| 03937E                      | 4730N             | 2717-07135                                     | 00000/0000       | 2-20038/1233        | 01/08/77     | 20           | 9992                  | 14.4                | 149.3                | GGGG                  | 188                  |
| 03936E                      | 4729N             | 2573-07240                                     | 00000/0000       | 2-20030/1655        | 05/17/76     | 10           | 7984                  | 47.5                | 133.3                | GGGG                  | 188                  |
| 03935E                      | 5827N             | 2523-07451                                     | 00000/0000       | 2-20028/0322        | 06/28/76     | 90           | 7287                  | 50.7                | 142.7                | FFGG                  | 188                  |
| 03935E                      | 4731N             | 2591-07233                                     | 00000/0000       | 2-20032/0783        | 09/04/76     | 90           | 8235                  | 42.6                | 138.9                | GGGG                  | 192                  |
| 03935E                      | 4722N             | 2483-07263                                     | 00000/0000       | 2-20025/0820        | 05/19/76     | 10           | 6729                  | 54.4                | 131.2                | GGG                   | 188                  |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=RAW NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 2-, 177

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-IUS  
FROM 11/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MDF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|--------------------|----------------------|-----------------------|----------------------|
| 03935E                      | 1423N             | 2368-06570                                     | 00000/0000       | 2-20020/0260        | 01/25/76        | 20           | 5125         | 39.3                               | 130.4              |                      |                       |                      |
| 03934E                      | 5600N             | 2450-07420                                     | 00000/0000       | 2-20023/0336        | 04/16/76        | 0            | 6269         | 40.3                               | 147.3              | FGGG                 |                       | 50                   |
| 03934E                      | 4725N             | 2555-07243                                     | 00000/0000       | 2-20030/0452        | 07/30/76        | 20           | 7733         | 51.7                               | 128.5              | GGGG                 | 181                   | 21                   |
| 03934E                      | 4720N             | 2501-07260                                     | 00000/0000       | 2-20026/0693        | 06/06/76        | 10           | 6980         | 56.4                               | 127.3              | GGGG                 | 181                   | 27                   |
| 03934E                      | 0418S             | 2401-06463                                     | 00000/0000       | 2-20021/0804        | 02/27/76        | 50           | 5585         | 48.1                               | 98.1               | GGGG                 | 188                   | 27                   |
| 03933E                      | 0417S             | 2355-06472                                     | 00000/0000       | 2-20020/0094        | 01/22/76        | 40           | 5083         | 46.8                               | 114.7              | FGGG                 | 178                   | 63                   |
| 03932E                      | 5557N             | 2468-07413                                     | 00000/0000       | 2-20024/1352        | 05/04/76        | 80           | 6520         | 46.0                               | 145.5              | GGGG                 | 178                   | 63                   |
| 03931E                      | 4724N             | 2601-07202                                     | 00000/0000       | 2-20036/1874        | 12/03/76        | 80           | 9490         | 36.1                               | 153.3              | GFGG                 | 191                   | 21                   |
| 03931E                      | 4723N             | 2609-07230                                     | 00000/0000       | 2-20032/1619        | 09/22/76        | 90           | 8486         | 37.0                               | 144.3              | GFGG                 | 188                   | 27                   |
| 03931E                      | 4719N             | 2537-07250                                     | 00000/0000       | 2-20028/1226        | 07/12/76        | 90           | 7482         | 54.7                               | 125.5              | GGGG                 | 188                   | 27                   |
| 03930E                      | 5554N             | 2432-07424                                     | 00000/0000       | 2-20022/0858        | 03/29/76        | 50           | 6018         | 33.6                               | 148.4              | GFGG                 | 188                   | 27                   |
| 03930E                      | 5021N             | 2448-07322                                     | 00000/0000       | 2-20023/0156        | 04/14/76        | 100          | 6241         | 43.3                               | 141.4              | GGGG                 | 191                   | 21                   |
| 03929E                      | 5558N             | 2576-07384                                     | 00000/0000       | 2-20032/0555        | 08/20/76        | 60           | 8026         | 41.8                               | 144.2              | GGGG                 | 189                   | 25                   |
| 03929E                      | 4718N             | 2645-07215                                     | 00000/0000       | 2-20027/0477        | 06/24/76        | 100          | 8988         | 25.2                               | 151.9              | GGGG                 | 191                   | 21                   |
| 03929E                      | 4715N             | 2519-07254                                     | 00000/0000       | 2-20035/0105        | 10/28/76        | 100          | 7231         | 56.5                               | 125.0              | GGGG                 | 188                   | 27                   |
| 03929E                      | 0128N             | 2402-06533                                     | 00000/0000       | 2-20027/0477        | 06/24/76        | 60           | 7231         | 56.5                               | 125.0              | GGGG                 | 188                   | 27                   |
| 03929E                      | 0429S             | 2383-06470                                     | 00000/0000       | 2-20021/0947        | 02/28/76        | 100          | 5599         | 48.0                               | 104.1              | GGGG                 | 188                   | 27                   |
| 03928E                      | 6009N             | 2452-07521                                     | 00000/0000       | 2-20020/1235        | 02/09/76        | 40           | 5334         | 47.2                               | 107.1              | GGGG                 | 179                   | 59                   |
| 03928E                      | 5557N             | 2594-07381                                     | 00000/0000       | 2-20024/0116        | 04/18/76        | 100          | 6297         | 38.0                               | 151.9              | FFGG                 | 178                   | 63                   |
| 03928E                      | 5550N             | 2486-07411                                     | 00000/0000       | 2-20032/0987        | 09/07/76        | 70           | 8277         | 36.1                               | 148.2              | FGGG                 | 193                   | 18                   |
| 03928E                      | 5309N             | 2575-07335                                     | 00000/0000       | 2-20025/1085        | 05/22/76        | 50           | 6771         | 50.2                               | 143.0              | FGGG                 | 191                   | 21                   |
| 03928E                      | 4716N             | 2663-07211                                     | 00000/0000       | 2-20030/1463        | 08/19/76        | 30           | 8012         | 43.8                               | 140.6              | GGGG                 | 191                   | 21                   |
| 03927E                      | 5311N             | 2467-07364                                     | 00000/0000       | 2-20036/0702        | 11/15/76        | 100          | 9239         | 20.0                               | 153.4              | GGGG                 | 190                   | 23                   |
| 03927E                      | 5310N             | 2449-07371                                     | 00000/0000       | 2-20024/1542        | 05/03/76        | 30           | 6506         | 47.5                               | 142.2              | GGGG                 | 188                   | 27                   |
| 03927E                      | 4718N             | 2627-07223                                     | 00000/0000       | 2-20023/0349        | 04/15/76        | 10           | 6255         | 41.8                               | 144.3              | GGGG                 | 190                   | 23                   |
| 03927E                      | 0129N             | 2366-06512                                     | 00000/0000       | 2-20034/0677        | 10/10/76        | 90           | 8737         | 31.1                               | 148.8              | GGGG                 | 190                   | 23                   |
| 03926E                      | 5308N             | 2719-07234                                     | 00000/0000       | 2-20020/0146        | 01/23/76        | 10           | 5097         | 45.0                               | 120.0              | FGGG                 | 188                   | 27                   |
| 03926E                      | 5020N             | 2574-07245                                     | 00000/0000       | 2-20036/1223        | 01/10/77        | 30           | 20           | 10.4                               | 151.6              | GGGG                 | 179                   | 59                   |
| 03926E                      | 5019N             | 2466-07315                                     | 00000/0000       | 2-20030/1394        | 08/18/76        | 10           | 7998         | 45.7                               | 137.1              | GGGG                 | 190                   | 23                   |
| 03926E                      | 5018N             | 2430-07325                                     | 00000/0000       | 2-20024/1096        | 05/02/76        | 70           | 6492         | 49.0                               | 138.7              | FGGG                 | 189                   | 25                   |
| 03925E                      | 5019N             | 2718-07234                                     | 00000/0000       | 2-20022/0874        | 03/27/76        | 80           | 5990         | 36.6                               | 143.5              | GGGG                 | 189                   | 25                   |
| 03925E                      | 5011N             | 2454-07312                                     | 00000/0000       | 2-20038/1205        | 01/09/77        | 80           | 6            | 12.4                               | 150.4              | FFFF                 | 189                   | 25                   |
| 03924E                      | 5551N             | 2612-07374                                     | 00000/0000       | 2-20025/0947        | 05/20/76        | 20           | 6743         | 53.1                               | 135.2              | GGGG                 | 189                   | 25                   |
| 03924E                      | 5546N             | 2414-07431                                     | 00000/0000       | 2-20032/1859        | 09/25/76        | 70           | 8523         | 29.9                               | 152.0              | GGGG                 | 191                   | 21                   |
| 03924E                      | 5304N             | 2431-07375                                     | 00000/0000       | 2-20021/1447        | 03/11/76        | 20           | 5767         | 26.6                               | 149.3              | GGGG                 | 191                   | 21                   |
|                             |                   |                                                | 00000/0000       | 2-20022/0766        | 03/28/76        | 100          | 6004         | 35.1                               | 145.9              | GGGG                 | 190                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... (BLANKS)=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-IJS  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN RLI<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>M8DF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|---------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03924E 5019N                            | 2592-07242        | 00000/0000 2-20032/0758                           | 09/05/76         | 10                  | 8249            | 40.5         | 142.1        |                                    |                     |                      |                       |                      |
| 03923E 5550N                            | 2558-07391        | 00000/0000 2-20030/0729                           | 08/02/76         | 10                  | 7775            | 46.7         | 140.6        | FGGG                               |                     |                      | 189                   | 25                   |
| 03923E 5543N                            | 2396-07434        | 00000/0000 2-20021/0410                           | 02/22/76         | 10                  | 5516            | 19.8         | 150.6        | GGGG                               |                     |                      | 191                   | 21                   |
| 03923E 5543N                            | 2504-07404        | 00000/0000 2-20026/1102                           | 06/09/76         | 80                  | 7022            | 52.4         | 140.2        | GGGG                               |                     |                      | 191                   | 21                   |
| 03923E 0113N                            | 2384-06511        | 00000/0000 2-20020/1330                           | 02/10/76         | 60                  | 5348            | 46.1         | 112.7        | FGGG                               |                     |                      | 191                   | 21                   |
| 03922E 5544N                            | 2540-07394        | 00000/0000 2-20028/1478                           | 07/15/76         | 20                  | 7524            | 50.3         | 138.6        | FGGG                               |                     |                      | 179                   | 59                   |
| 03922E 5544N                            | 2606-07354        | 00000/0000 2-20036/0907                           | 11/18/76         | 90                  | 9281            | 12.5         | 157.9        | FGGG                               |                     |                      | 191                   | 21                   |
| 03921E 6010N                            | 2578-07485        | 00000/0000 2-20030/1737                           | 08/22/76         | 90                  | 8054            | 38.4         | 149.5        | GGGG                               |                     |                      | 191                   | 21                   |
| 03921E 6005N                            | 2470-07514        | 00000/0000 2-20024/1739                           | 05/06/76         | 90                  | 6548            | 43.8         | 150.7        | GGGG                               |                     |                      | 193                   | 18                   |
| 03921E 5541N                            | 2522-07401        | 00000/0000 2-20028/0159                           | 06/27/76         | 60                  | 7273            | 52.3         | 138.4        | GGGG                               |                     |                      | 193                   | 18                   |
| 03921E 5300N                            | 2485-07361        | 00000/0000 2-20025/1029                           | 05/21/76         | 90                  | 6757            | 51.7         | 139.1        | FGGG                               |                     |                      | 191                   | 21                   |
| 03921E 5014N                            | 2610-07275        | 00000/0000 2-20032/1717                           | 09/23/76         | 50                  | 8500            | 34.7         | 146.9        | GGGG                               |                     |                      | 190                   | 23                   |
| 03921E 5013N                            | 2556-07293        | 00000/0000 2-20030/0438                           | 07/31/76         | 50                  | 7747            | 50.2         | 132.7        | GGGG                               |                     |                      | 189                   | 25                   |
| 03921E 5010N                            | 2682-07251        | 00000/0000 2-20037/0088                           | 12/04/76         | 90                  | 9504            | 13.7         | 154.5        | GGGG                               |                     |                      | 189                   | 25                   |
| 03921E 5008N                            | 2502-07310        | 00000/0000 2-20026/0924                           | 06/07/76         | 70                  | 6994            | 55.2         | 131.7        | GGGG                               |                     |                      | 189                   | 25                   |
| 03921E 0713N                            | 2367-06553        | 00000/0000 2-20020/0229                           | 01/24/76         | 0                   | 5111            | 42.7         | 124.9        | FGGG                               |                     |                      | 189                   | 25                   |
| 03920E 6003N                            | 2434-07525        | 00000/0000 2-20022/1083                           | 03/31/76         | 100                 | 6046            | 31.4         | 152.4        | GGGG                               |                     |                      | 180                   | 55                   |
| 03920E 5535N                            | 2378-07441        | 00000/0000 2-20020/0507                           | 02/04/76         | 0                   | 5265            | 14.2         | 152.3        | GGFF                               |                     |                      | 193                   | 18                   |
| 03920E 5307N                            | 2593-07332        | 00000/0000 2-20032/0957                           | 09/06/76         | 90                  | 8263            | 38.4         | 145.1        | GGFF                               |                     |                      | 191                   | 21                   |
| 03920E 5304N                            | 2557-07342        | 00000/0000 2-20030/0493                           | 08/01/76         | 10                  | 7761            | 48.5         | 136.8        | GGGG                               |                     |                      | 190                   | 23                   |
| 03919E 5541N                            | 2630-07370        | 00000/0000 2-20034/0657                           | 10/13/76         | 60                  | 8779            | 23.7         | 155.1        | GGGG                               |                     |                      | 190                   | 23                   |
| 03919E 5541N                            | 2644-07352        | 00000/0000 2-20035/0351                           | 10/31/76         | 100                 | 9030            | 17.6         | 157.2        | GGGG                               |                     |                      | 191                   | 21                   |
| 03919E 5302N                            | 2683-07300        | 00000/0000 2-20037/0902                           | 12/05/76         | 90                  | 9518            | 11.3         | 155.8        | GGGG                               |                     |                      | 191                   | 21                   |
| 03919E 5005N                            | 2664-07260        | 00000/0000 2-20036/1145                           | 11/16/76         | 100                 | 9253            | 17.6         | 154.9        | GGGG                               |                     |                      | 190                   | 23                   |
| 03919E 5002N                            | 2376-07342        | 00000/0000 2-20020/0758                           | 02/02/76         | 20                  | 5237            | 17.7         | 149.4        | GGGG                               |                     |                      | 189                   | 25                   |
| 03918E 6004N                            | 2596-07432        | 00000/0000 2-20032/0732                           | 09/09/76         | 70                  | 8305            | 32.5         | 152.8        | GGGG                               |                     |                      | 189                   | 25                   |
| 03918E 6001N                            | 2550-07432        | 00000/0000 2-20030/0690                           | 08/04/76         | 80                  | 7803            | 43.6         | 146.5        | GGGG                               |                     |                      | 193                   | 18                   |
| 03918E 5005N                            | 2394-07340        | 00000/0000 2-20021/0337                           | 02/20/76         | 20                  | 5488            | 23.1         | 147.1        | GGGG                               |                     |                      | 193                   | 18                   |
| 03918E 5004N                            | 2646-07264        | 00000/0000 2-20035/0231                           | 10/29/76         | 10                  | 9002            | 22.7         | 153.6        | GGGG                               |                     |                      | 189                   | 25                   |
| 03918E 5003N                            | 2520-07303        | 00000/0000 2-20028/0037                           | 06/25/76         | 60                  | 7245            | 55.3         | 129.6        | GGGG                               |                     |                      | 189                   | 25                   |
| 03917E 5305N                            | 2611-07324        | 00000/0000 2-20032/1845                           | 09/24/76         | 20                  | 8514            | 32.3         | 149.5        | GGGG                               |                     |                      | 189                   | 25                   |
| 03917E 5006N                            | 2412-07333        | 00000/0000 2-20021/1373                           | 03/09/76         | 0                   | 5739            | 29.7         | 145.2        | GGGG                               |                     |                      | 190                   | 23                   |
| 03916E 5958N                            | 2486-07512        | 00000/0000 2-20025/1155                           | 05/24/76         | 10                  | 6799            | 47.8         | 148.7        | GGGG                               |                     |                      | 189                   | 25                   |
| 03916E 5254N                            | 2647-07312        | 00000/0000 2-20035/0341                           | 10/30/76         | 10                  | 9016            | 20.2         | 155.4        | GGGG                               |                     |                      | 193                   | 18                   |
| 03916E 5251N                            | 2395-07345        | 00000/0000 2-20021/0359                           | 02/21/76         | 10                  | 5502            | 21.5         | 148.8        | GGGG                               |                     |                      | 190                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA M8DF ..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



12:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN REEL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 03916E                      | 3856N             | 2571-07151                              | 00000/0000       | 2-20030/1313        | 05/15/76        | 10           | 7956         | 51.7                  | 121.5               |                      |                       |                      |
| 03916E                      | 3854N             | 2553-07154                              | 00000/0000       | 2-20030/0240        | 07/28/76        | 0            | 7705         | 54.9                  | 115.1               | G GG                 | 186                   | 33                   |
| 03915E                      | 5257N             | 2665-07305                              | 00000/0000       | 2-20036/0891        | 11/17/76        | 100          | 9267         | 15.0                  | 156.4               | GGGG                 | 186                   | 33                   |
| 03915E                      | 5256N             | 2413-07342                              | 00000/0000       | 2-20021/1492        | 03/10/76        | 0            | 5753         | 28.1                  | 147.2               | GGGG                 | 190                   | 23                   |
| 03915E                      | 5256N             | 2503-07355                              | 00000/0000       | 2-20026/1000        | 06/08/76        | 80           | 7008         | 53.9                  | 136.0               | GGGG                 | 190                   | 23                   |
| 03915E                      | 5255N             | 2539-07345                              | 00000/0000       | 2-20024/1426        | 07/14/76        | 100          | 7510         | 51.9                  | 134.3               | FGGG                 | 190                   | 23                   |
| 03915E                      | 5254N             | 2521-07352                              | 00000/0000       | 2-20024/1196        | 06/26/76        | 10           | 7259         | 53.8                  | 134.1               | FGGG                 | 190                   | 23                   |
| 03915E                      | 5251N             | 2377-07392                              | 00000/0000       | 2-20020/0829        | 02/03/76        | 10           | 5251         | 15.9                  | 150.8               | GGGG                 | 190                   | 23                   |
| 03915E                      | 4300N             | 2374-07250                              | 00000/0000       | 2-20020/0719        | 01/31/76        | 70           | 5209         | 22.3                  | 146.1               | GGGG                 | 190                   | 23                   |
| 03915E                      | 3857N             | 2559-07144                              | 00000/0000       | 2-20032/0463        | 09/02/76        | 0            | 8207         | 47.7                  | 128.9               | GGGG                 | 187                   | 30                   |
| 03915E                      | 1257N             | 2358-06592                              | 00000/0000       | 2-20020/0261        | 01/25/76        | 10           | 5125         | 40.1                  | 129.3               | GGGG                 | 186                   | 33                   |
| 03914E                      | 5955N             | 2416-07532                              | 00000/0000       | 2-20021/1521        | 03/13/76        | 20           | 5795         | 24.3                  | 152.8               | FFFG                 | 181                   | 51                   |
| 03914E                      | 4301N             | 2332-07244                              | 00000/0000       | 2-20020/1699        | 02/18/76        | 30           | 5460         | 27.3                  | 143.1               | GGGG                 | 187                   | 30                   |
| 03914E                      | 0544S             | 2401-06470                              | 00000/0000       | 2-20021/0805        | 02/27/76        | 40           | 5585         | 48.0                  | 96.5                | FGGG                 | 178                   | 64                   |
| 03913E                      | 5255N             | 2629-07321                              | 00000/0000       | 2-20034/0506        | 10/12/76        | 70           | 8765         | 26.2                  | 153.0               | GGGG                 | 190                   | 23                   |
| 03913E                      | 3848N             | 2535-07161                              | 00000/0000       | 2-20028/1083        | 07/10/76        | 10           | 7454         | 57.4                  | 110.9               | GGGG                 | 186                   | 33                   |
| 03913E                      | 3846N             | 2499-07171                              | 00000/0000       | 2-20026/0780        | 06/04/76        | 10           | 6952         | 59.0                  | 112.7               | GGGG                 | 186                   | 33                   |
| 03913E                      | 3844N             | 2517-07164                              | 00000/0000       | 2-20027/0314        | 06/22/76        | 10           | 7203         | 58.8                  | 110.0               | GGGG                 | 186                   | 33                   |
| 03913E                      | 0544S             | 2365-06474                              | 00000/0000       | 2-20020/0095        | 01/22/76        | 20           | 5083         | 47.2                  | 113.2               | GGGG                 | 178                   | 64                   |
| 03911E                      | 5954N             | 2542-07495                              | 00000/0000       | 2-20028/1685        | 07/17/76        | 30           | 7552         | 47.5                  | 144.8               | GGGG                 | 193                   | 18                   |
| 03911E                      | 3851N             | 2607-07141                              | 00000/0000       | 2-20032/1662        | 09/20/76        | 10           | 8458         | 43.0                  | 136.0               | GGGG                 | 186                   | 33                   |
| 03909E                      | 3842N             | 2351-07201                              | 00000/0000       | 2-20020/1685        | 02/17/76        | 20           | 5446         | 29.8                  | 140.6               | GFGG                 | 186                   | 33                   |
| 03909E                      | 0002N             | 2402-06510                              | 00000/0000       | 2-20021/0948        | 02/28/76        | 90           | 5599         | 48.1                  | 102.4               | GGGG                 | 179                   | 60                   |
| 03909E                      | 0556S             | 2383-06473                              | 00000/0000       | 2-20020/1236        | 02/09/76        | 50           | 5334         | 47.4                  | 105.6               | FGGG                 | 178                   | 64                   |
| 03908E                      | 5951N             | 2506-07505                              | 00000/0000       | 2-20024/1334        | 06/11/76        | 90           | 7050         | 49.9                  | 146.3               | GGGG                 | 193                   | 18                   |
| 03908E                      | 5951N             | 2524-07502                              | 00000/0000       | 2-20025/0277        | 06/29/76        | 80           | 7301         | 49.7                  | 144.8               | GGGG                 | 193                   | 18                   |
| 03907E                      | 0002N             | 2366-06515                              | 00000/0000       | 2-20020/0147        | 01/23/76        | 40           | 5097         | 45.5                  | 118.7               | GGGG                 | 179                   | 60                   |
| 03904E                      | 4608N             | 2447-07275                              | 00000/0000       | 2-20023/0061        | 04/13/76        | 90           | 6227         | 45.4                  | 137.0               | GGGG                 | 188                   | 28                   |
| 03903E                      | 6134N             | 2453-07573                              | 00000/0000       | 2-20024/0107        | 04/19/76        | 80           | 6311         | 37.4                  | 153.5               | GGGG                 | 194                   | 17                   |
| 03903E                      | 4605N             | 2465-07272                              | 00000/0000       | 2-20024/1104        | 05/01/76        | 90           | 6478         | 51.1                  | 133.4               | GGGG                 | 188                   | 28                   |
| 03903E                      | 0013S             | 2384-06513                              | 00000/0000       | 2-20020/1331        | 07/10/76        | 60           | 5348         | 46.5                  | 111.2               | GGGG                 | 179                   | 60                   |
| 03902E                      | 4604N             | 2717-07192                              | 00000/0000       | 2-20032/1234        | 01/08/77        | 30           | 9992         | 15.5                  | 148.7               | GGG                  | 188                   | 28                   |
| 03901E                      | 5725N             | 2451-07472                              | 00000/0000       | 2-20023/0475        | 04/17/76        | 10           | 6283         | 39.7                  | 148.8               | G                    | 192                   | 20                   |
| 03901E                      | 0546N             | 2367-06555                              | 00000/0000       | 2-20020/0230        | 01/24/76        | 0            | 5111         | 43.3                  | 123.6               | GGGG                 | 180                   | 56                   |
| 03901E                      | 0545N             | 2403-06550                              | 00000/0000       | 2-20021/0874        | 02/29/76        | 30           | 5613         | 47.6                  | 108.3               | GFGG                 | 180                   | 56                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | SUBSATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-----------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03900E                      | 6127N           | 2471-07570                                     | 03000/0000       | 2-20024/1668        | 05/07/76        | 30           | 6562         | 43.1                               | 152.4               | GGGG                 | 194                   | 17                   |
| 03900E                      | 5723N           | 2469-07465                                     | 00000/0000       | 2-20024/1473        | 05/05/76        | 90           | 6534         | 45.3                               | 147.3               | GGGG                 | 192                   | 20                   |
| 03900E                      | 4606N           | 2521-07240                                     | 02000/0000       | 2-20032/0784        | 09/04/76        | 90           | 8235         | 43.4                               | 137.5               | GGGG                 | 188                   | 28                   |
| 03900E                      | 4602N           | 2429-07283                                     | 03000/0000       | 2-20022/0466        | 03/26/76        | 40           | 5976         | 38.9                               | 139.8               | GGGG                 | 188                   | 28                   |
| 03900E                      | 4557N           | 2423-07265                                     | 03000/0000       | 2-20025/0821        | 05/19/76        | 20           | 6729         | 55.0                               | 129.0               | GGG                  | 188                   | 28                   |
| 03900E                      | 0545N           | 2335-06553                                     | 03000/0000       | 2-20020/1502        | 02/11/76        | 10           | 5362         | 45.0                               | 116.8               | GGGG                 | 180                   | 56                   |
| 03859E                      | 6123N           | 2597-07534                                     | 03000/0000       | 2-20032/1076        | 09/10/76        | 30           | 8319         | 31.1                               | 154.4               | GGGG                 | 194                   | 17                   |
| 03859E                      | 4601N           | 2555-07250                                     | 03000/0000       | 2-20030/0453        | 07/30/76        | 20           | 7733         | 52.3                               | 126.5               | GGGG                 | 188                   | 28                   |
| 03859E                      | 4555N           | 2501-07263                                     | 03000/0000       | 2-20026/0894        | 06/05/76        | 20           | 6980         | 57.0                               | 124.9               | GFGG                 | 188                   | 28                   |
| 03857E                      | 0711S           | 2509-06442                                     | 03000/0000       | 2-20027/0183        | 06/14/76        | 90           | 7091         | 40.5                               | 50.8                | GGGG                 | 178                   | 65                   |
| 03856E                      | 4558N           | 2609-07233                                     | 03000/0000       | 2-20032/1620        | 09/22/76        | 100          | 8486         | 37.9                               | 143.1               | GGGG                 | 188                   | 28                   |
| 03856E                      | 4558N           | 2681-07205                                     | 03000/0000       | 2-20036/1875        | 12/03/76        | 80           | 9490         | 17.2                               | 152.7               | GGGG                 | 188                   | 28                   |
| 03856E                      | 4554N           | 2537-07253                                     | 03000/0000       | 2-20028/1227        | 07/12/76        | 90           | 7482         | 55.3                               | 123.2               | GFGG                 | 188                   | 28                   |
| 03855E                      | 4553N           | 2411-07230                                     | 03000/0000       | 2-20021/1203        | 03/08/76        | 10           | 5725         | 32.1                               | 142.2               | GGGG                 | 188                   | 28                   |
| 03855E                      | 4551N           | 2519-07260                                     | 03000/0000       | 2-20027/0478        | 06/24/76        | 70           | 7231         | 57.0                               | 122.5               | GGGG                 | 184                   | 28                   |
| 03855E                      | 4547N           | 2375-07330                                     | 03000/0000       | 2-20020/0807        | 02/01/76        | 40           | 5223         | 20.6                               | 147.4               | GGGG                 | 188                   | 28                   |
| 03855E                      | 4541N           | 2368-06595                                     | 03000/0000       | 2-20020/0262        | 01/25/76        | 10           | 5125         | 40.8                               | 128.2               | GGGG                 | 181                   | 52                   |
| 03854E                      | 5719N           | 2433-07475                                     | 03000/0000       | 2-20022/1076        | 03/30/76        | 100          | 6032         | 33.0                               | 149.7               | GGGG                 | 192                   | 20                   |
| 03854E                      | 4553N           | 2645-07221                                     | 03000/0000       | 2-20035/0106        | 10/28/76        | 90           | 8988         | 26.3                               | 151.1               | GGGG                 | 188                   | 28                   |
| 03853E                      | 6124N           | 2561-07544                                     | 03000/0000       | 2-20030/0827        | 08/05/76        | 100          | 7817         | 42.4                               | 148.5               | GGGG                 | 194                   | 17                   |
| 03853E                      | 5721N           | 2577-07440                                     | 03000/0000       | 2-20030/1669        | 08/21/76        | 70           | 8040         | 40.6                               | 146.0               | GGGG                 | 192                   | 20                   |
| 03853E                      | 4551N           | 2663-07213                                     | 03000/0000       | 2-20036/0703        | 11/15/76        | 50           | 9239         | 21.2                               | 152.7               | GGGG                 | 188                   | 28                   |
| 03853E                      | 2259N           | 2370-07040                                     | 03000/0000       | 2-20020/0359        | 01/27/76        | 10           | 5153         | 34.7                               | 135.8               | GGGG                 | 183                   | 44                   |
| 03853E                      | 0710S           | 2365-06441                                     | 03000/0000       | 2-20020/0096        | 01/22/76        | 50           | 5083         | 47.5                               | 111.7               | GGGG                 | 178                   | 65                   |
| 03852E                      | 4553N           | 2627-07225                                     | 03000/0000       | 2-20034/0678        | 10/10/76        | 90           | 8737         | 32.1                               | 147.8               | FGGG                 | 188                   | 28                   |
| 03851E                      | 4857N           | 2448-07326                                     | 03000/0000       | 2-20023/0157        | 04/14/76        | 90           | 6241         | 44.1                               | 139.9               | GGGG                 | 189                   | 26                   |
| 03850E                      | 5716N           | 2559-07443                                     | 03000/0000       | 2-20030/0753        | 08/03/76        | 50           | 7789         | 45.6                               | 142.7               | FFFF                 | 192                   | 20                   |
| 03849E                      | 6258N           | 2454-08025                                     | 03000/0000       | 2-20024/0139        | 04/20/76        | 10           | 6325         | 36.7                               | 155.2               | FGG                  | 195                   | 16                   |
| 03849E                      | 6116N           | 2507-07561                                     | 03000/0000       | 2-20026/1529        | 06/12/76        | 90           | 7064         | 49.0                               | 148.4               | GGGG                 | 194                   | 17                   |
| 03849E                      | 0123S           | 2402-06512                                     | 03000/0000       | 2-20021/0949        | 02/28/76        | 90           | 5599         | 48.1                               | 100.8               | GGGG                 | 179                   | 61                   |
| 03848E                      | 5713N           | 2613-07430                                     | 03000/0000       | 2-20034/0091        | 09/26/76        | 40           | 8542         | 28.6                               | 153.4               | GGGG                 | 192                   | 20                   |
| 03848E                      | 5710N           | 2415-07433                                     | 03000/0000       | 2-20022/0088        | 03/12/76        | 10           | 5781         | 25.9                               | 150.4               | GGGG                 | 192                   | 20                   |
| 03848E                      | 3730N           | 2571-07153                                     | 03000/0000       | 2-20030/1339        | 08/15/76        | 0            | 7956         | 52.2                               | 119.5               | GGGG                 | 186                   | 34                   |
| 03848E                      | 3728N           | 2553-07160                                     | 03000/0000       | 2-20030/0241        | 07/28/76        | 0            | 7705         | 55.3                               | 112.9               | GGGG                 | 186                   | 34                   |
| 03847E                      | 5705N           | 2657-07410                                     | 03000/0000       | 2-20036/1057        | 11/19/76        | 90           | 9295         | 11.1                               | 158.7               | GGGG                 | 192                   | 20                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=HARD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 03847E                      | 4856N             | 2574-0723P                              | 00000/0000       | 2-20030/1554        | 08/18/76        | 10           | 7998         | 46.5                  | 135.4               |                      |                       |                      |
| 03847E                      | 4854N             | 2466-0732P                              | 00000/0000       | 2-20024/1037        | 05/02/76        | 90           | 6492         | 49.8                  | 136.9               | GGGG                 | 189                   | 26                   |
| 03847E                      | 4853N             | 2430-0733P                              | 00000/0000       | 2-20022/0875        | 03/27/76        | 90           | 5990         | 37.5                  | 142.2               | GGGG                 | 189                   | 26                   |
| 03847E                      | 3731N             | 2549-0715P                              | 00000/0000       | 2-20032/0464        | 09/02/76        | 0            | 8207         | 48.4                  | 127.2               | GFFF                 | 189                   | 26                   |
| 03847E                      | 0124S             | 2366-0652P                              | 00000/0000       | 2-20020/0148        | 01/23/76        | 80           | 5097         | 46.0                  | 117.2               | GGGG                 | 186                   | 34                   |
| 03846E                      | 6115N             | 2525-0755P                              | 00000/0000       | 2-20028/0400        | 06/30/76        | 90           | 7315         | 48.7                  | 146.9               | GGGG                 | 179                   | 61                   |
| 03846E                      | 6115N             | 2543-0755P                              | 00000/0000       | 2-20028/1792        | 07/18/76        | 10           | 7566         | 46.4                  | 146.9               | GGGG                 | 194                   | 17                   |
| 03846E                      | 5707N             | 2541-0745P                              | 00000/0000       | 2-20028/1758        | 07/16/76        | 30           | 7538         | 49.3                  | 140.6               | GGGG                 | 194                   | 17                   |
| 03846E                      | 5706N             | 2397-0749P                              | 00000/0000       | 2-20021/0418        | 02/23/76        | 10           | 5530         | 19.2                  | 151.5               | GGGG                 | 192                   | 20                   |
| 03846E                      | 4854N             | 2718-0724P                              | 00000/0000       | 2-20038/1206        | 01/02/77        | 80           | 6            | 13.5                  | 149.8               | GG G                 | 192                   | 20                   |
| 03846E                      | 4847N             | 2434-0731P                              | 00000/0000       | 2-20025/0948        | 05/20/76        | 10           | 6743         | 53.9                  | 133.1               | GGGG                 | 189                   | 26                   |
| 03846E                      | 3721N             | 2439-0717P                              | 00000/0000       | 2-20024/0731        | 06/04/76        | 10           | 6952         | 59.2                  | 110.0               | GGGG                 | 189                   | 26                   |
| 03845E                      | 5705N             | 2535-0746P                              | 00000/0000       | 2-20026/1291        | 06/10/76        | 80           | 7036         | 51.6                  | 142.2               | GGGG                 | 186                   | 34                   |
| 03845E                      | 5436N             | 2450-0742P                              | 00000/0000       | 2-20023/0337        | 04/16/76        | 10           | 6269         | 41.2                  | 145.8               | GGGG                 | 192                   | 20                   |
| 03845E                      | 5147N             | 2467-0737P                              | 00000/0000       | 2-20024/1543        | 05/03/76        | 10           | 6506         | 48.4                  | 140.4               | GGGG                 | 191                   | 22                   |
| 03845E                      | 5145N             | 2449-0737P                              | 00000/0000       | 2-20023/0350        | 04/15/76        | 60           | 6255         | 42.7                  | 142.8               | GGGG                 | 190                   | 24                   |
| 03845E                      | 5145N             | 2575-0734P                              | 00000/0000       | 2-20030/1464        | 08/19/76        | 30           | 8012         | 44.7                  | 139.0               | GFFF                 | 190                   | 24                   |
| 03845E                      | 4854N             | 2592-0728P                              | 00000/0000       | 2-20032/0759        | 09/05/76        | 10           | 8249         | 41.4                  | 140.6               | FFGF                 | 190                   | 24                   |
| 03845E                      | 3723N             | 2535-0716P                              | 00000/0000       | 2-20028/1084        | 07/10/76        | 0            | 7454         | 57.6                  | 108.4               | FGFG                 | 189                   | 26                   |
| 03845E                      | 3719N             | 2517-0717P                              | 00000/0000       | 2-20027/0315        | 06/22/76        | 10           | 7203         | 59.0                  | 107.3               | GGGG                 | 186                   | 34                   |
| 03844E                      | 6250N             | 2472-0702P                              | 00000/0000       | 2-20025/0034        | 05/03/76        | 90           | 6576         | 42.3                  | 154.2               | FFFF                 | 186                   | 34                   |
| 03844E                      | 5709N             | 2631-0742P                              | 00000/0000       | 2-20034/0719        | 10/14/76        | 10           | 8793         | 22.2                  | 156.3               | GGFG                 | 195                   | 16                   |
| 03844E                      | 5434N             | 2468-0742P                              | 00000/0000       | 2-20024/1353        | 05/04/76        | 80           | 6520         | 46.9                  | 143.8               | GFGG                 | 192                   | 20                   |
| 03843E                      | 5143N             | 2719-0729P                              | 00000/0000       | 2-20038/1224        | 01/10/77        | 50           | 20           | 11.5                  | 150.9               | FFGG                 | 191                   | 22                   |
| 03843E                      | 4850N             | 2610-0728P                              | 00000/0000       | 2-20032/1718        | 09/23/76        | 0            | 8500         | 35.7                  | 145.7               | GGGG                 | 190                   | 24                   |
| 03843E                      | 4849N             | 2556-0723P                              | 00000/0000       | 2-20030/0432        | 07/31/76        | 40           | 7747         | 50.8                  | 130.7               | GGGG                 | 189                   | 26                   |
| 03843E                      | 4846N             | 2682-0725P                              | 00000/0000       | 2-20037/0089        | 12/04/76        | 80           | 9504         | 14.8                  | 153.9               | GGGG                 | 189                   | 26                   |
| 03843E                      | 4844N             | 2502-0731P                              | 00000/0000       | 2-20026/0925        | 06/07/76        | 80           | 6994         | 55.9                  | 129.4               | GGGG                 | 189                   | 26                   |
| 03843E                      | 3725N             | 2607-0714P                              | 00000/0000       | 2-20037/1663        | 03/20/76        | 20           | 8458         | 43.8                  | 134.6               | GGGG                 | 189                   | 26                   |
| 03843E                      | 3722N             | 2409-0720P                              | 00000/0000       | 2-20021/1139        | 03/06/76        | 30           | 5697         | 36.6                  | 136.1               | GGGG                 | 186                   | 34                   |
| 03842E                      | 5704N             | 2649-0741P                              | 00000/0000       | 2-20035/0451        | 11/01/76        | 100          | 9044         | 16.2                  | 158.1               | GGGG                 | 186                   | 34                   |
| 03842E                      | 0419N             | 2403-0655P                              | 00000/0000       | 2-20021/0875        | 02/29/76        | 10           | 5613         | 47.8                  | 106.7               | GGGG                 | 192                   | 20                   |
| 03841E                      | 5704N             | 2523-0745P                              | 00000/0000       | 2-20024/0323        | 06/28/76        | 60           | 7287         | 51.5                  | 140.5               | GFGG                 | 180                   | 57                   |
| 03841E                      | 5434N             | 2576-0739P                              | 00000/0000       | 2-20032/0056        | 08/20/76        | 90           | 8026         | 42.7                  | 142.6               | GGGG                 | 192                   | 20                   |
| 03841E                      | 5433N             | 2594-0739P                              | 00000/0000       | 2-20032/0958        | 09/07/76        | 90           | 8277         | 37.1                  | 144.8               | GGGG                 | 191                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR MON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION-<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|--------------------|-----------------------|----------------------|------------------|--------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                    | RBV                   | MSS                  |                  |                    |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 03841E                      | 5140N              | 2431-07381            | 00000/0000           | 2-20022/0767     | 03/28/76           | 100             | 6004         | 36.1         | 144.6                 | GGGG                |                      | 190                   | 24                   |
| 03841E                      | 4842N              | 2538-07302            | 00000/0000           | 2-20028/1362     | 07/13/76           | 50              | 7496         | 54.0         | 127.8                 | GGGG                |                      | 189                   | 26                   |
| 03841E                      | 4838N              | 2376-07345            | 00000/0000           | 2-20020/0759     | 02/02/76           | 0               | 5237         | 18.8         | 148.7                 | GGGG                |                      | 189                   | 26                   |
| 03841E                      | 3717N              | 2391-07204            | 00000/0000           | 2-20020/1686     | 02/17/76           | 10              | 5446         | 30.8         | 139.8                 | GGGG                |                      | 186                   | 34                   |
| 03841E                      | 0420N              | 2367-06562            | 00000/0000           | 2-20020/0231     | 01/24/76           | 0               | 5111         | 43.9         | 122.3                 | GGGG                |                      | 180                   | 57                   |
| 03840E                      | 5426N              | 2486-07413            | 00000/0000           | 2-20025/1086     | 05/22/76           | 90              | 6771         | 51.1         | 141.0                 | GGGG                |                      | 191                   | 22                   |
| 03840E                      | 4841N              | 2394-07342            | 00000/0000           | 2-20021/0338     | 02/20/76           | 40              | 5488         | 24.1         | 146.3                 | GGGG                |                      | 189                   | 26                   |
| 03840E                      | 4840N              | 2520-07305            | 00000/0000           | 2-20028/0038     | 06/25/76           | 70              | 7245         | 55.9         | 127.2                 | GGGG                |                      | 189                   | 26                   |
| 03840E                      | 4840N              | 2646-07271            | 00000/0000           | 2-20035/0232     | 10/29/76           | 10              | 9002         | 23.8         | 152.8                 | GGGG                |                      | 189                   | 26                   |
| 03840E                      | 4840N              | 2664-07262            | 00000/0000           | 2-20036/1146     | 11/16/76           | 100             | 9253         | 18.7         | 154.2                 | GGGG                |                      | 189                   | 26                   |
| 03840E                      | 0420N              | 2385-06555            | 00000/0000           | 2-20020/1503     | 02/11/76           | 10              | 5362         | 45.4         | 115.4                 | GGGG                |                      | 189                   | 26                   |
| 03839E                      | 5135N              | 2485-07364            | 00000/0000           | 2-20025/1030     | 05/21/76           | 90              | 6757         | 52.5         | 137.0                 | GGGG                |                      | 190                   | 24                   |
| 03839E                      | 4842N              | 2412-07335            | 00000/0000           | 2-20021/1374     | 03/09/76           | 0               | 5739         | 30.7         | 144.1                 | GGGG                |                      | 189                   | 26                   |
| 03837E                      | 5427N              | 2612-07380            | 00000/0000           | 2-20032/1860     | 09/25/76           | 90              | 8523         | 31.0         | 150.8                 | GGGG                |                      | 191                   | 22                   |
| 03837E                      | 5425N              | 2684-07352            | 00000/0000           | 2-20037/0398     | 12/06/76           | 90              | 9532         | 10.0         | 156.4                 | GGGG                |                      | 191                   | 22                   |
| 03837E                      | 5422N              | 2414-07434            | 00000/0000           | 2-20021/1448     | 03/11/76           | 10              | 5767         | 27.5         | 148.2                 | GGGG                |                      | 191                   | 22                   |
| 03837E                      | 5142N              | 2593-07334            | 00000/0000           | 2-20032/0958     | 09/06/76           | 80              | 8263         | 39.3         | 143.7                 | GGGG                |                      | 190                   | 24                   |
| 03837E                      | 5140N              | 2557-07344            | 00000/0000           | 2-20030/0494     | 08/01/76           | 10              | 7761         | 49.2         | 134.8                 | GGGG                |                      | 190                   | 24                   |
| 03837E                      | 5138N              | 2683-07303            | 00000/0000           | 2-20037/0303     | 12/05/76           | 100             | 9518         | 12.4         | 155.2                 | GGGG                |                      | 190                   | 24                   |
| 03837E                      | 0837S              | 2509-06444            | 00000/0000           | 2-20027/0184     | 06/14/76           | 90              | 7091         | 39.4         | 50.1                  | GGGG                |                      | 178                   | 66                   |
| 03836E                      | 5426N              | 2558-07394            | 00000/0000           | 2-20030/0730     | 08/02/76           | 20              | 7775         | 47.5         | 138.8                 | GGGG                |                      | 191                   | 22                   |
| 03835E                      | 5421N              | 2540-07401            | 00000/0000           | 2-20028/1388     | 07/15/76           | 90              | 7524         | 51.0         | 136.5                 | GGG                 |                      | 191                   | 22                   |
| 03835E                      | 5419N              | 2504-07411            | 00000/0000           | 2-20026/1103     | 06/09/76           | 70              | 7022         | 53.2         | 138.0                 | GGGG                |                      | 191                   | 22                   |
| 03834E                      | 5420N              | 2666-07361            | 00000/0000           | 2-20034/0908     | 11/18/76           | 90              | 9281         | 13.6         | 157.1                 | GGGG                |                      | 191                   | 22                   |
| 03834E                      | 5417N              | 2522-07404            | 00000/0000           | 2-20028/0160     | 06/27/76           | 30              | 7273         | 53.1         | 136.2                 | GGGG                |                      | 191                   | 22                   |
| 03834E                      | 5140N              | 2611-07331            | 00000/0000           | 2-20032/1846     | 09/24/76           | 80              | 8514         | 33.3         | 148.3                 | GGGG                |                      | 190                   | 24                   |
| 03834E                      | 1003N              | 2386-07000            | 00000/0000           | 2-20020/1368     | 02/12/76           | 10              | 5376         | 43.7         | 120.5                 | GGGG                |                      | 181                   | 53                   |
| 03833E                      | 5133N              | 2665-07311            | 00000/0000           | 2-20036/0892     | 11/17/76           | 100             | 9267         | 16.1         | 155.6                 | GGGG                |                      | 190                   | 24                   |
| 03833E                      | 5132N              | 2413-07385            | 00000/0000           | 2-20021/1493     | 03/10/76           | 0               | 5753         | 29.1         | 146.1                 | GGGG                |                      | 190                   | 24                   |
| 03833E                      | 5132N              | 2503-07361            | 00000/0000           | 2-20026/1001     | 06/08/76           | 90              | 7008         | 54.6         | 133.8                 | GGGG                |                      | 190                   | 24                   |
| 03833E                      | 5131N              | 2539-07352            | 00000/0000           | 2-20028/1427     | 07/14/76           | 90              | 7510         | 52.6         | 132.2                 | GGGG                |                      | 190                   | 24                   |
| 03833E                      | 5130N              | 2521-07355            | 00000/0000           | 2-20028/0197     | 06/26/76           | 10              | 7239         | 54.5         | 131.9                 | GGGG                |                      | 190                   | 24                   |
| 03833E                      | 5130N              | 2647-07320            | 00000/0000           | 2-20035/0342     | 10/30/76           | 10              | 9016         | 21.3         | 154.6                 | GGGG                |                      | 190                   | 24                   |
| 03833E                      | 5128N              | 2395-07392            | 00000/0000           | 2-20021/0360     | 02/21/76           | 0               | 5502         | 22.5         | 147.9                 | GGGG                |                      | 190                   | 24                   |
| 03833E                      | 5127N              | 2377-07394            | 00000/0000           | 2-20020/0830     | 02/03/76           | 0               | 5251         | 17.0         | 150.0                 | GGGG                |                      | 190                   | 24                   |

KEYS: CLUD COVER % ..... 0 TO 100 = % CLUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 26, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1102

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLCUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03833E 0836S                            | 2365-06483        | 00000/0000                   | 2-20020/0097                | 01/22/76         | 50                  | 5083            | 47.8         | 110.1        | GGGG                               |                     |                      | 178                   | 66                   |
| 03832E 5411N                            | 2378-07444        | 00000/0000                   | 2-20030/0508                | 02/04/76         | 10                  | 5265            | 15.2         | 151.5        | GGGF                               |                     |                      | 191                   | 22                   |
| 03831E 5417N                            | 2630-07373        | 00000/0000                   | 2-20034/0688                | 10/13/76         | 100                 | 8779            | 24.8         | 154.1        | FFFG                               |                     |                      | 191                   | 22                   |
| 03831E 5417N                            | 2648-07365        | 00000/0000                   | 2-20035/0362                | 10/31/76         | 100                 | 9030            | 18.8         | 156.3        | GGGF                               |                     |                      | 191                   | 22                   |
| 03831E 5131N                            | 2629-07324        | 00000/0000                   | 2-20034/0507                | 10/12/76         | 90                  | 8765            | 27.2         | 152.0        | GGGG                               |                     |                      | 190                   | 24                   |
| 03831E 2132N                            | 2370-07083        | 00000/0000                   | 2-20020/0360                | 01/27/76         | 30                  | 5153            | 35.6         | 134.9        | GGGG                               |                     |                      | 183                   | 45                   |
| 03830E 6414N                            | 2455-08081        | 00000/0000                   | 2-20024/0258                | 04/21/76         | 50                  | 6339            | 36.0         | 156.9        | GGGG                               |                     |                      | 196                   | 15                   |
| 03830E 6411N                            | 2473-08074        | 00000/0000                   | 2-20024/1610                | 05/09/76         | 10                  | 6590            | 41.6         | 156.1        | GGGG                               |                     |                      | 196                   | 15                   |
| 03830E 5846N                            | 2452-07524        | 00000/0000                   | 2-20024/0117                | 04/18/76         | 90                  | 6297            | 39.0         | 150.3        | FFGG                               |                     |                      | 193                   | 19                   |
| 03829E 6415N                            | 2581-08044        | 00000/0000                   | 2-20032/0092                | 08/25/76         | 90                  | 8096            | 34.5         | 155.1        | FFGG                               |                     |                      | 196                   | 15                   |
| 03829E 6239N                            | 2544-08003        | 00000/0000                   | 2-20029/0030                | 07/19/76         | 30                  | 7580            | 45.3         | 149.0        | GGGG                               |                     |                      | 195                   | 16                   |
| 03829E 4440N                            | 2465-07275        | 00000/0000                   | 2-20024/1105                | 05/01/76         | 90                  | 6478            | 51.8         | 131.4        | GGGG                               |                     |                      | 188                   | 29                   |
| 03829E 0250S                            | 2402-06515        | 00000/0000                   | 2-20021/0856                | 02/28/76         | 60                  | 5599            | 48.2         | 99.2         | FFGG                               |                     |                      | 179                   | 62                   |
| 03828E 6236N                            | 2526-08010        | 00000/0000                   | 2-20028/0254                | 07/01/76         | 90                  | 7329            | 47.8         | 149.0        | GGGG                               |                     |                      | 195                   | 16                   |
| 03828E 4439N                            | 2717-07194        | 00000/0000                   | 2-20038/1235                | 01/08/77         | 60                  | 9992            | 16.5         | 148.1        | GGGG                               |                     |                      | 188                   | 29                   |
| 03827E 6236N                            | 2508-08013        | 00000/0000                   | 2-20026/1419                | 06/13/76         | 90                  | 7078            | 48.2         | 150.4        | GGFG                               |                     |                      | 195                   | 16                   |
| 03827E 0250S                            | 2366-06524        | 00000/0000                   | 2-20020/0149                | 01/23/76         | 80                  | 5097            | 46.4         | 115.8        | GGGG                               |                     |                      | 179                   | 62                   |
| 03826E 4440N                            | 2591-07242        | 00000/0000                   | 2-20032/0785                | 09/04/76         | 60                  | 8235            | 44.2         | 136.0        | GGGG                               |                     |                      | 188                   | 29                   |
| 03826E 4436N                            | 2555-07252        | 00000/0000                   | 2-20030/0454                | 07/30/76         | 60                  | 7733            | 52.8         | 124.4        | GGGG                               |                     |                      | 188                   | 29                   |
| 03826E 4432N                            | 2483-07272        | 00000/0000                   | 2-20025/0822                | 05/19/76         | 70                  | 6729            | 55.7         | 126.7        | FFGG                               |                     |                      | 188                   | 29                   |
| 03826E 4430N                            | 2501-07265        | 00000/0000                   | 2-20026/0895                | 06/06/76         | 20                  | 6980            | 57.5         | 122.4        | GGGG                               |                     |                      | 188                   | 29                   |
| 03823E 5847N                            | 2578-07491        | 00000/0000                   | 2-20030/1738                | 08/22/76         | 80                  | 8054            | 39.3         | 147.9        | GGGG                               |                     |                      | 193                   | 19                   |
| 03823E 5842N                            | 2470-07521        | 00000/0000                   | 2-20024/1740                | 05/06/76         | 60                  | 6548            | 44.7         | 148.8        | GGGG                               |                     |                      | 193                   | 19                   |
| 03823E 4432N                            | 2681-07211        | 00000/0000                   | 2-20036/1876                | 12/03/76         | 80                  | 9490            | 18.3         | 152.1        | GGFG                               |                     |                      | 188                   | 29                   |
| 03823E 4430N                            | 2537-07255        | 00000/0000                   | 2-20028/1228                | 07/12/76         | 90                  | 7482            | 55.7         | 120.9        | GGFG                               |                     |                      | 188                   | 29                   |
| 03822E 6408N                            | 2563-08051        | 00000/0000                   | 2-20030/0965                | 08/07/76         | 90                  | 7845            | 40.0         | 152.6        | FFGF                               |                     |                      | 196                   | 15                   |
| 03822E 4433N                            | 2609-07235        | 00000/0000                   | 2-20032/1621                | 09/22/76         | 60                  | 8486            | 38.9         | 141.8        | GGGG                               |                     |                      | 188                   | 29                   |
| 03822E 4426N                            | 2519-07263        | 00000/0000                   | 2-20028/0116                | 06/24/76         | 80                  | 7231            | 57.4         | 120.1        | FFGG                               |                     |                      | 188                   | 29                   |
| 03822E 0253N                            | 2403-06555        | 00000/0000                   | 2-20021/0876                | 02/29/76         | 40                  | 5613            | 47.9         | 105.1        | FFGG                               |                     |                      | 180                   | 58                   |
| 03821E 5840N                            | 2434-07531        | 00000/0000                   | 2-20022/1084                | 03/31/76         | 90                  | 6046            | 32.4         | 151.0        | GGGG                               |                     |                      | 193                   | 19                   |
| 03821E 4428N                            | 2645-07224        | 00000/0000                   | 2-20035/0107                | 10/28/76         | 60                  | 8988            | 27.4         | 150.3        | GGGG                               |                     |                      | 188                   | 29                   |
| 03821E 0253N                            | 2367-06564        | 00000/0000                   | 2-20020/0232                | 01/24/76         | 10                  | 5111            | 44.5         | 121.0        | GGGG                               |                     |                      | 180                   | 58                   |
| 03820E 5841N                            | 2596-07484        | 00000/0000                   | 2-20032/0733                | 09/09/76         | 40                  | 8305            | 33.5         | 151.3        | GGGG                               |                     |                      | 193                   | 19                   |
| 03820E 5838N                            | 2560-07495        | 00000/0000                   | 2-20030/0691                | 08/04/76         | 80                  | 7803            | 44.5         | 144.6        | GGGG                               |                     |                      | 193                   | 19                   |
| 03820E 3604N                            | 2571-07160        | 00000/0000                   | 2-20030/1340                | 08/15/76         | 0                   | 7956            | 52.6         | 117.5        | GGGG                               |                     |                      | 186                   | 35                   |

KEYS: CLCUD COVER X ..... 0 TO 100 = % CLCUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR USN-US  
FROM 01/22/76 TO 01/22/77

PAGE 1103

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRIGHT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | BRIGHT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|------------------|--------------|--------------|------------------------------------|---------------------|----------------------|------------------------|----------------------|
| 03820E 3604N                            | 2549-07153        | 00000/0000 2-20032/0465                            | 09/02/76         | 0                   | 8207             | 49.0         | 125.5        | GGGG                               |                     |                      | 186                    | 35                   |
| 03820E 3602N                            | 2553-07163        | 00000/0000 2-20030/0242                            | 07/28/76         | 0                   | 7705             | 55.5         | 110.6        | GGGG                               |                     |                      | 186                    | 35                   |
| 03820E 3601N                            | 2481-07130        | 00000/0000 2-20025/0895                            | 05/17/76         | 10                  | 6701             | 58.1         | 113.1        | GGGG                               |                     |                      | 186                    | 35                   |
| 03819E 4428N                            | 2627-07232        | 00000/0000 2-20034/0679                            | 10/10/76         | 50                  | 8737             | 33.1         | 146.8        | FGGG                               |                     |                      | 188                    | 29                   |
| 03819E 4426N                            | 2663-07220        | 00000/0000 2-20036/0704                            | 11/15/76         | 10                  | 9239             | 22.3         | 152.0        | FGGG                               |                     |                      | 188                    | 29                   |
| 03818E 5834N                            | 2458-07514        | 00000/0000 2-20025/1156                            | 05/24/76         | 10                  | 6799             | 48.8         | 146.7        | GGGG                               |                     |                      | 193                    | 19                   |
| 03818E 3557N                            | 2535-07170        | 00000/0000 2-20028/1085                            | 07/10/76         | 0                   | 7454             | 57.7         | 105.9        | GGGG                               |                     |                      | 186                    | 35                   |
| 03818E 3556N                            | 2499-07140        | 00000/0000 2-20026/0782                            | 06/04/76         | 0                   | 6952             | 59.4         | 107.4        | GGGG                               |                     |                      | 186                    | 35                   |
| 03817E 6400N                            | 2527-08062        | 00000/0000 2-20028/0677                            | 07/02/76         | 90                  | 7343             | 46.7         | 151.2        | GGGG                               |                     |                      | 196                    | 15                   |
| 03817E 5837N                            | 2614-07491        | 00000/0000 2-20034/0029                            | 09/27/76         | 60                  | 8556             | 27.1         | 154.8        | GGGG                               |                     |                      | 193                    | 19                   |
| 03817E 3553N                            | 2517-07173        | 00000/0000 2-20027/0316                            | 06/22/76         | 0                   | 7203             | 59.2         | 104.7        | GGGG                               |                     |                      | 186                    | 35                   |
| 03816E 5832N                            | 2416-07535        | 00000/0000 2-20021/1522                            | 03/13/76         | 30                  | 5795             | 25.3         | 151.6        | FFFG                               |                     |                      | 193                    | 19                   |
| 03816E 3556N                            | 2409-07203        | 00000/0000 2-20021/1200                            | 03/06/76         | 60                  | 5697             | 37.5         | 135.0        | GGGG                               |                     |                      | 186                    | 35                   |
| 03815E 6356N                            | 2509-08065        | 00000/0000 2-20027/0185                            | 06/14/76         | 90                  | 7092             | 47.3         | 152.5        | GGGG                               |                     |                      | 196                    | 15                   |
| 03815E 3600N                            | 2607-07150        | 00000/0000 2-20032/1664                            | 09/20/76         | 10                  | 8458             | 44.6         | 133.2        | GGGG                               |                     |                      | 186                    | 35                   |
| 03814E 6359N                            | 2545-08055        | 00000/0000 2-20029/0123                            | 07/20/76         | 30                  | 7594             | 44.2         | 151.1        | GGGG                               |                     |                      | 196                    | 15                   |
| 03814E 4733N                            | 2448-07331        | 00000/0000 2-20023/0158                            | 04/14/76         | 90                  | 6241             | 45.0         | 138.4        | GGGG                               |                     |                      | 189                    | 27                   |
| 03814E 3551N                            | 2391-07210        | 00000/0000 2-20020/1687                            | 02/17/76         | 10                  | 5446             | 31.7         | 138.9        | GGGG                               |                     |                      | 186                    | 35                   |
| 03813E 5832N                            | 2542-07502        | 00000/0000 2-20028/1689                            | 07/17/76         | 20                  | 7552             | 48.3         | 142.8        | GGGG                               |                     |                      | 193                    | 19                   |
| 03813E 0838N                            | 2356-07002        | 00000/0000 2-20020/1369                            | 02/12/76         | 0                   | 5376             | 44.2         | 119.2        | FGGG                               |                     |                      | 181                    | 54                   |
| 03811E 5829N                            | 2524-07505        | 00000/0000 2-20020/0278                            | 06/29/76         | 90                  | 7301             | 50.6         | 142.7        | GGGG                               |                     |                      | 193                    | 19                   |
| 03811E 5828N                            | 2506-07512        | 00000/0000 2-20028/1335                            | 06/11/76         | 90                  | 7050             | 50.8         | 144.2        | GGGG                               |                     |                      | 193                    | 19                   |
| 03811E 4728N                            | 2466-07324        | 00000/0000 2-20024/1098                            | 05/02/76         | 40                  | 6492             | 50.6         | 135.0        | GGGG                               |                     |                      | 189                    | 27                   |
| 03810E 4731N                            | 2574-07294        | 00000/0000 2-20030/1555                            | 08/18/76         | 10                  | 7998             | 47.3         | 133.7        | GGGG                               |                     |                      | 189                    | 27                   |
| 03809E 5602N                            | 2451-07475        | 00000/0000 2-20023/0476                            | 04/17/76         | 0                   | 6283             | 40.6         | 147.3        | GGGG                               |                     |                      | 192                    | 21                   |
| 03809E 5559N                            | 2469-07472        | 00000/0000 2-20024/1474                            | 05/05/76         | 90                  | 6534             | 46.3         | 145.5        | GGGG                               |                     |                      | 192                    | 21                   |
| 03809E 4729N                            | 2592-07231        | 00000/0000 2-20032/0760                            | 09/05/76         | 20                  | 8249             | 42.3         | 139.2        | FFGG                               |                     |                      | 189                    | 27                   |
| 03809E 4729N                            | 2718-07243        | 00000/0000 2-20032/1207                            | 01/09/77         | 80                  | 6                | 14.5         | 149.1        | GGGG                               |                     |                      | 189                    | 27                   |
| 03809E 4728N                            | 2430-07334        | 00000/0000 2-20022/0876                            | 03/27/76         | 90                  | 5990             | 38.4         | 140.9        | FGGG                               |                     |                      | 189                    | 27                   |
| 03809E 4722N                            | 2484-07321        | 00000/0000 2-20025/0949                            | 05/20/76         | 10                  | 6743             | 54.6         | 130.9        | GGGG                               |                     |                      | 189                    | 27                   |
| 03809E 0416S                            | 2402-06521        | 00000/0000 2-20021/0857                            | 02/28/76         | 70                  | 5599             | 48.1         | 97.6         | GGGG                               |                     |                      | 179                    | 63                   |
| 03807E 4725N                            | 2610-07254        | 00000/0000 2-20032/1719                            | 09/23/76         | 10                  | 8500             | 36.7         | 144.6        | FGGG                               |                     |                      | 189                    | 27                   |
| 03807E 4724N                            | 2556-07302        | 00000/0000 2-20030/0440                            | 07/31/76         | 20                  | 7747             | 51.5         | 128.7        | GGGG                               |                     |                      | 189                    | 27                   |
| 03807E 0416S                            | 2366-06530        | 00000/0000 2-20020/0150                            | 01/23/76         | 40                  | 5097             | 46.8         | 114.3        | GGGG                               |                     |                      | 179                    | 63                   |
| 03806E 4722N                            | 2602-07240        | 00000/0000 2-20037/0090                            | 12/04/76         | 70                  | 9504             | 16.0         | 153.3        | GGGG                               |                     |                      | 189                    | 27                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, SAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1104

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 03806E                      | 4719N | 2502-07315        | 00000/0000 2-20026/0926                 | 06/07/76         | 60                  | 6994            | 56.5         | 127.1        |                       |                     |                      |                       |                      |
| 03805E                      | 5022N | 2467-07373        | 00000/0000 2-20024/1544                 | 05/03/76         | 10                  | 6506            | 49.2         | 138.6        | GGGG                  |                     |                      | 189                   | 27                   |
| 03805E                      | 5020N | 2575-07344        | 00000/0000 2-20030/1465                 | 08/19/76         | 30                  | 8012            | 45.5         | 137.3        | GGGG                  |                     |                      | 190                   | 25                   |
| 03805E                      | 4718N | 2538-07305        | 00000/0000 2-20028/1363                 | 07/13/76         | 80                  | 7496            | 54.6         | 125.5        | GGGG                  |                     |                      | 190                   | 25                   |
| 03805E                      | 4713N | 2376-07351        | 00000/0000 2-20020/0760                 | 02/02/76         | 10                  | 5237            | 19.8         | 147.9        | GGGG                  |                     |                      | 189                   | 27                   |
| 03804E                      | 5020N | 2449-07340        | 00000/0000 2-20023/0351                 | 04/15/76         | 90                  | 6255            | 43.6         | 141.3        | GGGG                  |                     |                      | 189                   | 27                   |
| 03804E                      | 4716N | 2664-07285        | 00000/0000 2-20036/1147                 | 11/16/76         | 100                 | 9253            | 19.8         | 153.5        | GGGG                  |                     |                      | 190                   | 25                   |
| 03804E                      | 4715N | 2520-07312        | 00000/0000 2-20028/0039                 | 06/25/76         | 50                  | 7245            | 56.4         | 124.9        | GGGG                  |                     |                      | 189                   | 27                   |
| 03803E                      | 5555N | 2433-07442        | 00000/0000 2-20027/1077                 | 03/30/76         | 100                 | 6032            | 34.0         | 148.4        | GGGG                  |                     |                      | 192                   | 21                   |
| 03803E                      | 4717N | 2394-07345        | 00000/0000 2-20021/0339                 | 02/20/76         | 90                  | 5488            | 25.1         | 145.4        | GGGG                  |                     |                      | 189                   | 27                   |
| 03803E                      | 4717N | 2412-07342        | 00000/0000 2-20021/1375                 | 03/09/76         | 0                   | 5739            | 31.6         | 143.1        | GGGG                  |                     |                      | 189                   | 27                   |
| 03803E                      | 4716N | 2546-07273        | 00000/0000 2-20035/0233                 | 10/29/76         | 10                  | 9002            | 24.9         | 152.0        | GGGG                  |                     |                      | 189                   | 27                   |
| 03803E                      | 0430S | 2384-06525        | 00000/0000 2-20020/1064                 | 02/10/76         | 10                  | 5348            | 47.2         | 106.7        | GGGG                  |                     |                      | 179                   | 63                   |
| 03802E                      | 5558N | 2577-07442        | 00000/0000 2-20030/1670                 | 08/21/76         | 80                  | 8040            | 41.5         | 144.4        | GGGG                  |                     |                      | 192                   | 21                   |
| 03802E                      | 5019N | 2719-07293        | 00000/0000 2-20038/1225                 | 01/10/77         | 60                  | 20              | 12.5         | 150.3        | GGGG                  |                     |                      | 190                   | 25                   |
| 03802E                      | 0126N | 2367-06571        | 00000/0000 2-20020/0233                 | 01/24/76         | 10                  | 5111            | 45.0         | 119.6        | GGGG                  |                     |                      | 180                   | 59                   |
| 03800E                      | 6012N | 2453-07587        | 00000/0000 2-20024/0128                 | 04/19/76         | 60                  | 6311            | 38.4         | 151.9        | GGGG                  |                     |                      | 192                   | 21                   |
| 03800E                      | 5552N | 2559-07445        | 00000/0000 2-20030/0754                 | 08/03/76         | 40                  | 7789            | 46.4         | 140.8        | GGGG                  |                     |                      | 192                   | 21                   |
| 03800E                      | 5549N | 2487-07465        | 00000/0000 2-20025/1103                 | 05/23/76         | 10                  | 6785            | 50.4         | 142.8        | GGGG                  |                     |                      | 191                   | 23                   |
| 03800E                      | 5312N | 2450-07425        | 00000/0000 2-20023/0338                 | 04/16/76         | 20                  | 6269            | 42.2         | 144.3        | GGGG                  |                     |                      | 190                   | 25                   |
| 03800E                      | 5015N | 2431-07384        | 00000/0000 2-20022/0768                 | 03/28/76         | 100                 | 6004            | 37.0         | 143.3        | GGGG                  |                     |                      | 180                   | 59                   |
| 03800E                      | 0127N | 2385-05564        | 00000/0000 2-20020/1366                 | 02/11/76         | 10                  | 5362            | 46.2         | 112.5        | GGGG                  |                     |                      | 192                   | 21                   |
| 03759E                      | 5309N | 2468-07422        | 00000/0000 2-20024/1354                 | 05/04/76         | 90                  | 6520            | 47.8         | 142.0        | GGGG                  |                     |                      | 192                   | 21                   |
| 03758E                      | 5547N | 2415-07485        | 00000/0000 2-20022/0089                 | 03/12/76         | 10                  | 5781            | 26.9         | 149.3        | GGGG                  |                     |                      | 190                   | 25                   |
| 03758E                      | 5011N | 2485-07370        | 00000/0000 2-20025/1031                 | 05/21/76         | 80                  | 6757            | 53.3         | 135.0        | GGGG                  |                     |                      | 194                   | 18                   |
| 03757E                      | 6004N | 2471-07573        | 00000/0000 2-20024/1669                 | 05/07/76         | 40                  | 6562            | 44.0         | 150.5        | GGGG                  |                     |                      | 192                   | 21                   |
| 03757E                      | 5549N | 2613-07432        | 00000/0000 2-20034/0092                 | 09/26/76         | 90                  | 8542            | 29.6         | 152.2        | GGGG                  |                     |                      | 190                   | 25                   |
| 03757E                      | 5017N | 2593-07341        | 00000/0000 2-20032/0959                 | 09/06/76         | 70                  | 8263            | 40.2         | 142.3        | GGGG                  |                     |                      | 190                   | 25                   |
| 03757E                      | 5015N | 2557-07351        | 00000/0000 2-20030/0495                 | 08/01/76         | 30                  | 7761            | 49.9         | 132.9        | GGGG                  |                     |                      | 190                   | 25                   |
| 03757E                      | 5013N | 2683-07305        | 00000/0000 2-20037/0304                 | 12/05/76         | 100                 | 9518            | 13.5         | 154.5        | GGGG                  |                     |                      | 190                   | 25                   |
| 03756E                      | 6006N | 2597-07540        | 00000/0000 2-20032/1077                 | 09/10/76         | 20                  | 8319            | 32.1         | 153.0        | GGGG                  |                     |                      | 190                   | 25                   |
| 03756E                      | 5543N | 2397-07493        | 00000/0000 2-20021/0419                 | 02/23/76         | 20                  | 5530            | 20.2         | 150.5        | GGGG                  |                     |                      | 190                   | 25                   |
| 03756E                      | 5542N | 2667-07412        | 00000/0000 2-20036/1058                 | 11/19/76         | 100                 | 9295            | 12.2         | 157.9        | GGGG                  |                     |                      | 191                   | 23                   |
| 03756E                      | 5310N | 2576-07392        | 00000/0000 2-20032/0057                 | 08/20/76         | 70                  | 8026            | 43.5         | 140.9        | GGGG                  |                     |                      | 191                   | 23                   |
| 03756E                      | 5309N | 2594-07390        | 00000/0000 2-20032/0989                 | 09/07/76         | 90                  | 8277            | 38.0         | 145.4        | GGGG                  |                     |                      | 191                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR MOSCOW  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03756E                                  | 5306N             | 2432-07433                   | 00000/0000                  | 2-20022/0859     | 03/29/76            | 40              | 6018         | 35.5         | 145.8                              | GGGG                |                      | 191                   | 23                   |
| 03755E                                  | 5543N             | 2541-07453                   | 00000/0000                  | 2-20028/1759     | 07/16/76            | 70              | 7538         | 50.1         | 138.6                              | GGGG                |                      | 192                   | 21                   |
| 03755E                                  | 5541N             | 2505-07462                   | 00000/0000                  | 2-20026/1292     | 06/10/76            | 70              | 7036         | 52.4         | 140.1                              | GGGG                |                      | 192                   | 21                   |
| 03755E                                  | 5302N             | 2486-07420                   | 00000/0000                  | 2-20025/1052     | 05/22/76            | 90              | 6771         | 51.9         | 139.0                              | GGGG                |                      | 191                   | 23                   |
| 03754E                                  | 5545N             | 2631-07425                   | 00000/0000                  | 2-20034/0720     | 10/14/76            | 0               | 8793         | 23.3         | 155.3                              | GGGG                |                      | 192                   | 21                   |
| 03754E                                  | 5016N             | 2611-07333                   | 00000/0000                  | 2-20032/1847     | 09/24/76            | 20              | 8514         | 34.3         | 147.2                              | FGGG                |                      | 190                   | 25                   |
| 03754E                                  | 0712N             | 2386-07005                   | 00000/0000                  | 2-20020/1370     | 02/12/76            | 10              | 5376         | 44.7         | 117.8                              | GGGG                |                      | 181                   | 55                   |
| 03753E                                  | 5007N             | 2503-07364                   | 00000/0000                  | 2-20026/1002     | 06/08/76            | 20              | 7008         | 55.3         | 131.5                              | GGFG                |                      | 190                   | 25                   |
| 03753E                                  | 5006N             | 2521-07361                   | 00000/0000                  | 2-20028/0198     | 06/26/76            | 50              | 7259         | 55.2         | 129.6                              | GGFG                |                      | 190                   | 25                   |
| 03753E                                  | 5006N             | 2539-07354                   | 00000/0000                  | 2-20028/1507     | 07/14/76            | 90              | 7510         | 53.3         | 130.0                              | GGGG                |                      | 190                   | 25                   |
| 03752E                                  | 5541N             | 2649-07421                   | 00000/0000                  | 2-20035/0452     | 11/01/76            | 100             | 9044         | 17.3         | 157.3                              | GGGG                |                      | 192                   | 21                   |
| 03752E                                  | 5540N             | 2623-07460                   | 00000/0000                  | 2-20021/0324     | 06/28/76            | 40              | 7287         | 52.3         | 138.4                              | GGGG                |                      | 192                   | 21                   |
| 03752E                                  | 5303N             | 2612-07383                   | 00000/0000                  | 2-20032/1861     | 09/25/76            | 70              | 8523         | 32.0         | 149.7                              | GGGG                |                      | 191                   | 23                   |
| 03752E                                  | 5301N             | 2684-07355                   | 00000/0000                  | 2-20037/0399     | 12/06/76            | 90              | 9532         | 11.2         | 155.7                              | GGGG                |                      | 191                   | 23                   |
| 03752E                                  | 5258N             | 2414-07440                   | 00000/0000                  | 2-20021/1449     | 03/11/76            | 10              | 5767         | 28.5         | 147.1                              | GGGG                |                      | 191                   | 23                   |
| 03752E                                  | 5009N             | 2665-07314                   | 00000/0000                  | 2-20036/0893     | 11/17/76            | 90              | 9247         | 17.3         | 154.9                              | GGGG                |                      | 190                   | 25                   |
| 03752E                                  | 5007N             | 2413-07391                   | 00000/0000                  | 2-20021/1494     | 03/10/76            | 0               | 5753         | 30.1         | 145.1                              | GGGG                |                      | 190                   | 25                   |
| 03752E                                  | 5005N             | 2647-07322                   | 00000/0000                  | 2-20035/0343     | 10/30/76            | 0               | 9016         | 22.4         | 153.7                              | GGGG                |                      | 190                   | 25                   |
| 03752E                                  | 5002N             | 2377-07401                   | 00000/0000                  | 2-20020/0831     | 02/03/76            | 10              | 5261         | 18.0         | 149.3                              | GGGG                |                      | 190                   | 25                   |
| 03751E                                  | 5302N             | 2558-07400                   | 00000/0000                  | 2-20030/0731     | 08/02/76            | 20              | 7775         | 48.2         | 136.9                              | GGGG                |                      | 191                   | 23                   |
| 03751E                                  | 5257N             | 2540-07403                   | 00000/0000                  | 2-20028/1389     | 07/15/76            | 90              | 7524         | 51.8         | 134.4                              | GGG                 |                      | 191                   | 23                   |
| 03750E                                  | 6002N             | 2561-07550                   | 00000/0000                  | 2-20030/0828     | 08/05/76            | 100             | 7817         | 43.3         | 146.7                              | GGGG                |                      | 194                   | 18                   |
| 03750E                                  | 5532N             | 2379-07500                   | 00000/0000                  | 2-20020/1032     | 02/05/76            | 10              | 5279         | 14.5         | 152.1                              | GGGG                |                      | 192                   | 21                   |
| 03750E                                  | 5256N             | 2396-07443                   | 00000/0000                  | 2-20021/0411     | 02/22/76            | 10              | 5516         | 21.8         | 148.7                              | GGGG                |                      | 191                   | 23                   |
| 03750E                                  | 5266N             | 2666-07363                   | 00000/0000                  | 2-20036/0909     | 11/18/76            | 90              | 9281         | 14.8         | 156.4                              | FGGG                |                      | 191                   | 23                   |
| 03750E                                  | 5255N             | 2504-07413                   | 00000/0000                  | 2-20026/1104     | 06/09/76            | 80              | 7022         | 53.9         | 135.9                              | GGGG                |                      | 191                   | 23                   |
| 03750E                                  | 5007N             | 2629-07330                   | 00000/0000                  | 2-20034/0508     | 10/12/76            | 100             | 8765         | 28.3         | 151.1                              | GGGG                |                      | 190                   | 25                   |
| 03749E                                  | 5253N             | 2522-07410                   | 00000/0000                  | 2-20028/0161     | 06/27/76            | 30              | 7273         | 53.8         | 134.0                              | GGGG                |                      | 191                   | 23                   |
| 03749E                                  | 1255N             | 2369-07051                   | 00000/0000                  | 2-20020/0309     | 01/26/76            | 0               | 5139         | 40.2         | 128.9                              | GGGG                |                      | 182                   | 51                   |
| 03747E                                  | 5953N             | 2507-07563                   | 00000/0000                  | 2-20026/1510     | 06/12/76            | 90              | 7064         | 49.9         | 146.3                              | GGGG                |                      | 194                   | 18                   |
| 03747E                                  | 5254N             | 2648-07371                   | 00000/0000                  | 2-20035/0363     | 10/31/76            | 90              | 9030         | 19.9         | 155.5                              | GGGG                |                      | 191                   | 23                   |
| 03746E                                  | 5253N             | 2630-07375                   | 00000/0000                  | 2-20034/0689     | 10/13/76            | 90              | 8779         | 25.9         | 153.1                              | FGGG                |                      | 191                   | 23                   |
| 03746E                                  | 5247N             | 2378-07450                   | 00000/0000                  | 2-20020/0509     | 02/04/76            | 40              | 5265         | 16.2         | 150.7                              | GGFG                |                      | 191                   | 23                   |
| 03745E                                  | 5953N             | 2543-07554                   | 00000/0000                  | 2-20028/1793     | 07/18/76            | 30              | 7566         | 47.3         | 144.8                              | GGGG                |                      | 194                   | 18                   |
| 03744E                                  | 5953N             | 2525-07561                   | 00000/0000                  | 2-20028/0401     | 06/30/76            | 90              | 7315         | 49.6         | 144.8                              | GGGG                |                      | 194                   | 18                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03742E 0000N                            | 2367-06573        | 00000/0000 2-20020/0234                            | 01/24/76         | 10                  | 5111            | 45.5         | 118.3        | GGGG                               |                     |                      | 180                   | 60                   |
| 03742E 0000N                            | 2403-06564        | 00000/0000 2-20021/0877                            | 02/29/76         | 40                  | 5613            | 48.2         | 101.8        | FGGG                               |                     |                      | 180                   | 60                   |
| 03740E 6135N                            | 2454-08031        | 00000/0000 2-20024/0140                            | 04/20/76         | 30                  | 6325            | 37.7         | 153.5        | GGG                                |                     |                      | 195                   | 17                   |
| 03740E 0000N                            | 2385-06571        | 00000/0000 2-20020/1367                            | 02/11/76         | 10                  | 5362            | 46.5         | 111.0        | GGGG                               |                     |                      | 180                   | 60                   |
| 03738E 4608N                            | 2448-07333        | 00000/0000 2-20023/0159                            | 04/14/76         | 80                  | 6241            | 45.8         | 136.8        | GGGG                               |                     |                      | 189                   | 28                   |
| 03736E 6128N                            | 2472-08024        | 00000/0000 2-20025/0035                            | 05/08/76         | 80                  | 6576            | 43.3         | 152.4        | GGGG                               |                     |                      | 193                   | 17                   |
| 03736E 4603N                            | 2466-07330        | 00000/0000 2-20024/1099                            | 05/02/76         | 10                  | 6492            | 51.3         | 133.1        | GGGG                               |                     |                      | 189                   | 28                   |
| 03735E 5723N                            | 2452-07530        | 00000/0000 2-20024/0118                            | 04/18/76         | 70                  | 6297            | 40.0         | 148.7        | FGGG                               |                     |                      | 193                   | 20                   |
| 03735E 4606N                            | 2574-07301        | 00000/0000 2-20030/1556                            | 08/18/76         | 10                  | 7998            | 48.0         | 131.9        | GGGG                               |                     |                      | 189                   | 28                   |
| 03734E 4604N                            | 2718-07250        | 00000/0000 2-20038/1208                            | 01/09/77         | 90                  | 6               | 15.6         | 148.5        | FGG                                |                     |                      | 189                   | 28                   |
| 03734E 4603N                            | 2430-07341        | 00000/0000 2-20022/0680                            | 03/27/76         | 60                  | 5990            | 39.3         | 139.6        | GGGG                               |                     |                      | 189                   | 28                   |
| 03734E 4557N                            | 2484-07324        | 00000/0000 2-20025/0950                            | 05/20/76         | 10                  | 6743            | 55.2         | 128.7        | GGGG                               |                     |                      | 189                   | 28                   |
| 03734E 0546N                            | 2368-07013        | 00000/0000 2-20020/0263                            | 01/25/76         | 10                  | 5125            | 43.4         | 123.3        | GGGG                               |                     |                      | 181                   | 56                   |
| 03734E 0545N                            | 2386-07011        | 00000/0000 2-20020/1371                            | 02/12/76         | 50                  | 5376            | 45.1         | 116.4        | GGGG                               |                     |                      | 181                   | 56                   |
| 03733E 4604N                            | 2592-07294        | 00000/0000 2-20032/0761                            | 09/05/76         | 20                  | 8249            | 43.1         | 137.8        | GFFG                               |                     |                      | 189                   | 28                   |
| 03732E 4559N                            | 2556-07304        | 00000/0000 2-20030/0441                            | 07/31/76         | 30                  | 7747            | 52.1         | 126.7        | GGGG                               |                     |                      | 189                   | 28                   |
| 03731E 4600N                            | 2610-07291        | 00000/0000 2-20032/1720                            | 09/23/76         | 60                  | 8500            | 37.6         | 143.4        | GGGG                               |                     |                      | 189                   | 28                   |
| 03731E 4557N                            | 2682-07263        | 00000/0000 2-20037/0091                            | 12/04/76         | 30                  | 9504            | 17.1         | 152.6        | FFGF                               |                     |                      | 189                   | 28                   |
| 03731E 4554N                            | 2502-07321        | 00000/0000 2-20026/0927                            | 06/07/76         | 30                  | 6994            | 57.0         | 124.7        | GGGG                               |                     |                      | 189                   | 28                   |
| 03730E 4554N                            | 2638-07311        | 00000/0000 2-20028/1364                            | 07/13/76         | 80                  | 7496            | 55.1         | 123.2        | GGGG                               |                     |                      | 189                   | 28                   |
| 03730E 4548N                            | 2376-07354        | 00000/0000 2-20020/0761                            | 02/02/76         | 60                  | 5237            | 20.8         | 147.2        | GGGG                               |                     |                      | 189                   | 28                   |
| 03729E 6127N                            | 2598-07592        | 00000/0000 2-20032/1161                            | 09/11/76         | 80                  | 8333            | 30.7         | 154.6        | GGGG                               |                     |                      | 193                   | 17                   |
| 03729E 5719N                            | 2470-07523        | 00000/0000 2-20024/1741                            | 05/06/76         | 60                  | 6548            | 45.7         | 147.1        | GGGG                               |                     |                      | 193                   | 20                   |
| 03729E 4552N                            | 2394-07351        | 00000/0000 2-20021/0340                            | 02/20/76         | 90                  | 5488            | 26.1         | 144.5        | GGGG                               |                     |                      | 189                   | 28                   |
| 03729E 4551N                            | 2664-07271        | 00000/0000 2-20036/1148                            | 11/16/76         | 90                  | 9253            | 20.9         | 152.8        | GGGG                               |                     |                      | 189                   | 28                   |
| 03729E 4550N                            | 2520-07314        | 00000/0000 2-20028/0040                            | 06/25/76         | 50                  | 7245            | 56.9         | 122.5        | GGGG                               |                     |                      | 189                   | 28                   |
| 03728E 5724N                            | 2578-07494        | 00000/0000 2-20030/1739                            | 08/22/76         | 70                  | 8054            | 40.3         | 146.2        | GGGG                               |                     |                      | 193                   | 20                   |
| 03728E 4551N                            | 2412-07344        | 00000/0000 2-20021/1376                            | 03/09/76         | 0                   | 5739            | 32.5         | 142.0        | GGGG                               |                     |                      | 189                   | 28                   |
| 03728E 4551N                            | 2646-07280        | 00000/0000 2-20035/0234                            | 10/29/76         | 20                  | 9002            | 26.0         | 151.2        | GGGG                               |                     |                      | 189                   | 28                   |
| 03728E 1130N                            | 2387-07052        | 00000/0000 2-20020/1355                            | 02/13/76         | 10                  | 5390            | 43.3         | 121.4        | FFGG                               |                     |                      | 182                   | 52                   |
| 03727E 5717N                            | 2434-07534        | 00000/0000 2-20022/1085                            | 03/31/76         | 80                  | 6046            | 33.4         | 149.6        | FGGG                               |                     |                      | 193                   | 20                   |
| 03726E 5718N                            | 2596-07491        | 00000/0000 2-20032/0734                            | 09/09/76         | 40                  | 8305            | 34.5         | 149.9        | GGGG                               |                     |                      | 193                   | 20                   |
| 03726E 5714N                            | 2560-07501        | 00000/0000 2-20030/0692                            | 08/04/76         | 90                  | 7803            | 45.3         | 142.8        | GGGF                               |                     |                      | 193                   | 20                   |
| 03726E 4858N                            | 2467-07380        | 00000/0000 2-20024/1545                            | 05/03/76         | 20                  | 6506            | 50.0         | 136.7        | GGGG                               |                     |                      | 190                   | 26                   |
| 03726E 4856N                            | 2575-07550        | 00000/0000 2-20030/1466                            | 08/19/76         | 50                  | 8012            | 46.3         | 135.7        | FGGG                               |                     |                      | 190                   | 26                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1107

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | SERVIATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03725E 4855N                            | 2449-07343       | 00000/0000                   | 2-20023/0352                | 04/15/76         | 90                  | 6255            | 44.5         | 139.7        |                                    |                     |                      |                       |                      |
| 03724E 5712N                            | 2488-07521       | 00000/0000                   | 2-20025/1157                | 05/24/76         | 30                  | 6799            | 49.7         | 144.7        | GGGF                               |                     |                      | 190                   | 26                   |
| 03723E 5714N                            | 2614-07484       | 00000/0000                   | 2-20034/0030                | 09/27/76         | 40                  | 8556            | 28.2         | 153.6        | GGGG                               |                     |                      | 193                   | 20                   |
| 03722E 5709N                            | 2416-07541       | 00000/0000                   | 2-20021/1523                | 03/13/76         | 30                  | 5795            | 26.3         | 150.4        | GGGG                               |                     |                      | 193                   | 20                   |
| 03722E 5435N                            | 2469-07474       | 00000/0000                   | 2-20024/1475                | 05/05/76         | 90                  | 6534            | 47.2         | 143.7        | FFFF                               |                     |                      | 193                   | 20                   |
| 03722E 4854N                            | 2719-07295       | 00000/0000                   | 2-20038/1226                | 01/10/77         | 70                  | 20              | 13.6         | 149.6        | GGGG                               |                     |                      | 192                   | 22                   |
| 03722E 0125S                            | 2403-06571       | 00000/0000                   | 2-20021/0873                | 02/29/76         | 80                  | 5613            | 48.2         | 100.2        | GGGG                               |                     |                      | 190                   | 26                   |
| 03722E 0126S                            | 2367-06580       | 00000/0000                   | 2-20020/0235                | 01/24/76         | 30                  | 5111            | 46.0         | 116.8        | F GG                               |                     |                      | 190                   | 61                   |
| 03721E 6117N                            | 2544-08005       | 00000/0000                   | 2-20029/0031                | 07/19/76         | 50                  | 7580            | 46.2         | 147.0        | GGGG                               |                     |                      | 190                   | 61                   |
| 03721E 6115N                            | 2526-08012       | 00000/0000                   | 2-20028/0255                | 07/01/76         | 90                  | 7329            | 48.7         | 146.9        | GGGG                               |                     |                      | 195                   | 17                   |
| 03721E 5437N                            | 2451-07481       | 00000/0000                   | 2-20023/0477                | 04/17/76         | 10                  | 6283            | 41.6         | 145.7        | GGGG                               |                     |                      | 195                   | 17                   |
| 03721E 4851N                            | 2431-07390       | 00000/0000                   | 2-20027/0769                | 03/28/76         | 100                 | 6004            | 37.9         | 142.1        | GGGG                               |                     |                      | 192                   | 22                   |
| 03720E 6115N                            | 2508-08015       | 00000/0000                   | 2-20026/1420                | 06/13/76         | 90                  | 7078            | 49.1         | 148.3        | GGGG                               |                     |                      | 190                   | 26                   |
| 03720E 5708N                            | 2542-07504       | 00000/0000                   | 2-20028/1690                | 07/17/76         | 20                  | 7552            | 49.1         | 140.8        | GGGG                               |                     |                      | 195                   | 17                   |
| 03720E 0125S                            | 2385-06573       | 00000/0000                   | 2-20021/0099                | 02/11/76         | 20                  | 5362            | 46.8         | 109.5        | GGGG                               |                     |                      | 193                   | 20                   |
| 03719E 4853N                            | 2593-07343       | 00000/0000                   | 2-20032/0960                | 09/06/76         | 80                  | 8263            | 41.1         | 140.9        | GGFG                               |                     |                      | 180                   | 61                   |
| 03719E 4849N                            | 2683-07317       | 00000/0000                   | 2-20037/0305                | 12/05/76         | 100                 | 9518            | 14.7         | 153.9        | GGGG                               |                     |                      | 190                   | 26                   |
| 03719E 4846N                            | 2485-07373       | 00000/0000                   | 2-20025/1002                | 05/21/76         | 70                  | 6757            | 54.0         | 132.8        | GGFG                               |                     |                      | 190                   | 26                   |
| 03718E 5709N                            | 2632-07480       | 00000/0000                   | 2-20034/0813                | 10/15/76         | 40                  | 8807            | 21.8         | 156.5        | GGFG                               |                     |                      | 193                   | 20                   |
| 03718E 5706N                            | 2524-07511       | 00000/0000                   | 2-20028/0279                | 06/29/76         | 80                  | 7301            | 51.4         | 140.5        | GGGG                               |                     |                      | 193                   | 20                   |
| 03718E 5147N                            | 2450-07432       | 00000/0000                   | 2-20023/0339                | 04/16/76         | 70                  | 6269            | 43.1         | 142.7        | GGGG                               |                     |                      | 191                   | 24                   |
| 03718E 4851N                            | 2557-07353       | 00000/0000                   | 2-20030/0496                | 08/01/76         | 40                  | 7761            | 50.6         | 131.0        | GGGG                               |                     |                      | 190                   | 26                   |
| 03717E 5704N                            | 2506-07514       | 00000/0000                   | 2-20026/1336                | 06/11/76         | 90                  | 7050            | 51.7         | 142.1        | GGGG                               |                     |                      | 193                   | 20                   |
| 03717E 5145N                            | 2468-07425       | 00000/0000                   | 2-20024/1355                | 05/04/76         | 70                  | 6520            | 48.7         | 140.2        | GGGG                               |                     |                      | 191                   | 24                   |
| 03716E 6249N                            | 2473-08080       | 00000/0000                   | 2-20024/1611                | 05/09/76         | 10                  | 6590            | 42.6         | 154.1        | GGGG                               |                     |                      | 196                   | 16                   |
| 03716E 5704N                            | 2650-07472       | 00000/0000                   | 2-20035/0465                | 11/02/76         | 90                  | 9058            | 15.9         | 158.2        | GGGG                               |                     |                      | 193                   | 20                   |
| 03716E 5431N                            | 2433-07484       | 00000/0000                   | 2-20022/1078                | 03/30/76         | 90                  | 6032            | 34.9         | 147.1        | GGGG                               |                     |                      | 192                   | 22                   |
| 03715E 6253N                            | 2531-08051       | 00000/0000                   | 2-20032/0093                | 08/25/76         | 90                  | 8096            | 35.5         | 153.4        | GGGG                               |                     |                      | 196                   | 16                   |
| 03715E 4850N                            | 2611-07340       | 00000/0000                   | 2-20037/1848                | 09/24/76         | 0                   | 8514            | 35.3         | 146.0        | GGGG                               |                     |                      | 190                   | 26                   |
| 03715E 4843N                            | 2503-07370       | 00000/0000                   | 2-20026/1003                | 06/08/76         | 10                  | 7008            | 55.9         | 129.2        | GGGF                               |                     |                      | 190                   | 26                   |
| 03715E 4842N                            | 2521-07364       | 00000/0000                   | 2-20028/0199                | 06/26/76         | 50                  | 7259            | 55.8         | 127.3        | GGGG                               |                     |                      | 190                   | 26                   |
| 03715E 4842N                            | 2539-07361       | 00000/0000                   | 2-20028/1508                | 07/14/76         | 90                  | 7510            | 53.9         | 127.8        | GGGG                               |                     |                      | 190                   | 26                   |
| 03714E 5434N                            | 2577-07445       | 00000/0000                   | 2-20030/1671                | 08/21/76         | 90                  | 8040            | 42.4         | 142.8        | GGGG                               |                     |                      | 192                   | 22                   |
| 03714E 5142N                            | 2432-07435       | 00000/0000                   | 2-20022/0860                | 03/29/76         | 60                  | 6018            | 36.4         | 144.5        | GGGG                               |                     |                      | 191                   | 24                   |
| 03714E 4843N                            | 2413-07394       | 00000/0000                   | 2-20021/1495                | 03/10/76         | 0                   | 5753            | 31.0         | 144.0        | GGGG                               |                     |                      | 190                   | 26                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN. H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FBR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03714E 4843N                            | 2665-07320        | 00000/0000 2-20036/0894                            | 11/17/76         | 100                 | 9267            | 18.4         | 154.2        | GGGG                               |                     |                      | 190                   | 26                   |
| 03714E 4840N                            | 2395-07401        | 00000/0000 2-20021/0361                            | 02/21/76         | 90                  | 5502            | 24.5         | 146.1        | GGGG                               |                     |                      | 190                   | 26                   |
| 03714E 0420N                            | 2368-07020        | 00000/0000 2-20020/0264                            | 01/25/76         | 10                  | 5125            | 44.0         | 122.0        | GGGG                               |                     |                      | 181                   | 57                   |
| 03714E 0419N                            | 2386-07014        | 00000/0000 2-20020/1372                            | 02/12/76         | 50                  | 5376            | 45.5         | 114.9        | GGGG                               |                     |                      | 181                   | 57                   |
| 03713E 5146N                            | 2576-07395        | 00000/0000 2-20032/0058                            | 08/20/76         | 70                  | 8026            | 44.4         | 139.3        | GGGG                               |                     |                      | 191                   | 24                   |
| 03713E 5145N                            | 2594-07397        | 00000/0000 2-20032/0990                            | 09/07/76         | 90                  | 8277            | 39.0         | 144.0        | GGGG                               |                     |                      | 191                   | 24                   |
| 03713E 4841N                            | 2647-07325        | 00000/0000 2-20035/0344                            | 10/30/76         | 10                  | 9014            | 23.5         | 152.9        | FGGG                               |                     |                      | 190                   | 26                   |
| 03713E 4838N                            | 2377-07403        | 00000/0000 2-20020/0832                            | 02/03/76         | 10                  | 5251            | 19.0         | 148.5        | GGGG                               |                     |                      | 190                   | 26                   |
| 03712E 5429N                            | 2559-07452        | 00000/0000 2-20030/0755                            | 08/03/76         | 20                  | 7789            | 47.2         | 139.0        | FGGG                               |                     |                      | 192                   | 22                   |
| 03712E 5425N                            | 2487-07471        | 00000/0000 2-20025/1104                            | 05/23/76         | 10                  | 6785            | 51.2         | 140.8        | GGG                                |                     |                      | 192                   | 22                   |
| 03712E 5138N                            | 2486-07422        | 00000/0000 2-20025/1053                            | 05/22/76         | 90                  | 6771            | 52.7         | 136.9        | GGGG                               |                     |                      | 191                   | 24                   |
| 03710E 5424N                            | 2415-07492        | 00000/0000 2-20022/0090                            | 03/12/76         | 10                  | 5781            | 27.9         | 148.2        | FGGG                               |                     |                      | 192                   | 22                   |
| 03710E 5424N                            | 2685-07410        | 00000/0000 2-20037/0407                            | 12/07/76         | 90                  | 9546            | 9.9          | 156.4        | GGGG                               |                     |                      | 192                   | 22                   |
| 03710E 5139N                            | 2612-07385        | 00000/0000 2-20032/1862                            | 09/25/76         | 60                  | 8523            | 33.0         | 148.5        | GGGG                               |                     |                      | 191                   | 24                   |
| 03710E 5137N                            | 2684-07361        | 00000/0000 2-20037/0400                            | 12/06/76         | 100                 | 9532            | 12.3         | 155.1        | GGGG                               |                     |                      | 191                   | 24                   |
| 03709E 6416N                            | 2456-08135        | 00000/0000 2-20024/0446                            | 04/22/76         | 20                  | 6353            | 36.4         | 156.9        | GGGG                               |                     |                      | 197                   | 15                   |
| 03709E 5425N                            | 2613-07435        | 00000/0000 2-20034/0093                            | 09/26/76         | 100                 | 8542            | 30.7         | 151.0        | GGGG                               |                     |                      | 192                   | 22                   |
| 03709E 5138N                            | 2558-07403        | 00000/0000 2-20030/0732                            | 08/02/76         | 30                  | 7775            | 49.0         | 135.0        | GGGG                               |                     |                      | 191                   | 24                   |
| 03709E 5134N                            | 2414-07443        | 00000/0000 2-20021/1450                            | 03/11/76         | 10                  | 5767            | 29.5         | 146.1        | GGGG                               |                     |                      | 191                   | 24                   |
| 03708E 6246N                            | 2563-08054        | 00000/0000 2-20030/0966                            | 08/07/76         | 100                 | 7845            | 40.9         | 150.7        | FGGG                               |                     |                      | 196                   | 16                   |
| 03708E 5420N                            | 2541-07455        | 00000/0000 2-20028/1740                            | 07/16/76         | 70                  | 7538            | 50.9         | 136.5        | GGGG                               |                     |                      | 192                   | 22                   |
| 03708E 5419N                            | 2397-07495        | 00000/0000 2-20021/0407                            | 02/23/76         | 10                  | 5530            | 21.2         | 149.5        | G GG                               |                     |                      | 192                   | 22                   |
| 03708E 5419N                            | 2667-07415        | 00000/0000 2-20036/1059                            | 11/19/76         | 100                 | 9295            | 13.4         | 157.1        | GGGG                               |                     |                      | 192                   | 22                   |
| 03708E 5417N                            | 2505-07465        | 00000/0000 2-20024/1293                            | 06/10/76         | 70                  | 7036            | 53.2         | 137.9        | GGGG                               |                     |                      | 192                   | 22                   |
| 03708E 5133N                            | 2540-07410        | 00000/0000 2-20028/1390                            | 07/15/76         | 90                  | 7524            | 52.5         | 132.3        | GGG                                |                     |                      | 191                   | 24                   |
| 03708E 5130N                            | 2504-07420        | 00000/0000 2-20024/1105                            | 06/09/76         | 20                  | 7022            | 54.6         | 133.6        | GGGG                               |                     |                      | 191                   | 24                   |
| 03708E 1004N                            | 2387-07054        | 00000/0000 2-20020/1356                            | 02/13/76         | 10                  | 5390            | 43.8         | 120.1        | GGGG                               |                     |                      | 182                   | 53                   |
| 03707E 5421N                            | 2631-07431        | 00000/0000 2-20034/0721                            | 10/14/76         | 20                  | 8793            | 24.4         | 154.3        | GGGG                               |                     |                      | 192                   | 22                   |
| 03707E 5132N                            | 2396-07450        | 00000/0000 2-20021/0412                            | 02/22/76         | 10                  | 5516            | 22.8         | 147.8        | GGGG                               |                     |                      | 191                   | 24                   |
| 03707E 5132N                            | 2666-07370        | 00000/0000 2-20036/0910                            | 11/18/76         | 90                  | 9281            | 15.9         | 155.6        | FGGG                               |                     |                      | 191                   | 24                   |
| 03707E 5129N                            | 2522-07413        | 00000/0000 2-20028/0162                            | 06/27/76         | 20                  | 7273            | 54.5         | 131.8        | GGGG                               |                     |                      | 191                   | 24                   |
| 03706E 5417N                            | 2649-07423        | 00000/0000 2-20035/0453                            | 11/01/76         | 100                 | 9044            | 18.4         | 156.4        | GGGG                               |                     |                      | 192                   | 22                   |
| 03705E 5417N                            | 2523-07462        | 00000/0000 2-20028/0325                            | 06/28/76         | 40                  | 7287            | 53.0         | 136.2        | GGGG                               |                     |                      | 192                   | 22                   |
| 03705E 5130N                            | 2648-07374        | 00000/0000 2-20035/0364                            | 10/31/76         | 90                  | 9030            | 21.0         | 154.7        | GGFF                               |                     |                      | 191                   | 24                   |
| 03704E 6412N                            | 2474-08132        | 00000/0000 2-20025/0102                            | 05/10/76         | 10                  | 6604            | 41.8         | 156.1        | GGGG                               |                     |                      | 197                   | 15                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03704E 6238N                            | 2527-08064        | 00000/0000                   | 2-20028/0678                | 07/02/76         | 90                  | 7343            | 47.7         | 149.0        | GGGG                               |                     |                      | 196                   | 16                   |
| 03704E 5408N                            | 2379-07507        | 00000/0000                   | 2-20020/1033                | 02/05/76         | 10                  | 5279            | 15.5         | 151.3        | GGGG                               |                     |                      | 192                   | 22                   |
| 03704E 5128N                            | 2630-07382        | 00000/0000                   | 2-20034/0690                | 10/13/76         | 100                 | 8779            | 26.9         | 152.2        | GGGG                               |                     |                      | 191                   | 24                   |
| 03704E 5124N                            | 2378-07453        | 00000/0000                   | 2-20020/0982                | 02/04/76         | 50                  | 5265            | 17.3         | 149.9        | GGGG                               |                     |                      | 191                   | 24                   |
| 03704E 4442N                            | 2448-07340        | 00000/0000                   | 2-20023/0160                | 04/14/76         | 70                  | 6241            | 46.6         | 135.2        | GGGG                               |                     |                      | 189                   | 29                   |
| 03702E 6239N                            | 2545-08061        | 00000/0000                   | 2-20029/0124                | 07/20/76         | 30                  | 7594            | 45.2         | 149.0        | GGGG                               |                     |                      | 196                   | 16                   |
| 03702E 6235N                            | 2509-08071        | 00000/0000                   | 2-20027/0186                | 06/14/76         | 90                  | 7092            | 48.2         | 150.3        | GGGG                               |                     |                      | 196                   | 16                   |
| 03702E 5849N                            | 2453-07582        | 00000/0000                   | 2-20024/0109                | 04/19/76         | 40                  | 6311            | 39.4         | 150.3        | GGGG                               |                     |                      | 194                   | 19                   |
| 03702E 4438N                            | 2466-07333        | 00000/0000                   | 2-20024/1100                | 05/02/76         | 20                  | 6492            | 52.0         | 131.2        | GGGG                               |                     |                      | 189                   | 29                   |
| 03702E 0252S                            | 2367-06582        | 00000/0000                   | 2-20020/0236                | 01/24/76         | 10                  | 5111            | 46.4         | 115.4        | GGGG                               |                     |                      | 180                   | 62                   |
| 03702E 0252S                            | 2403-06572        | 00000/0000                   | 2-20021/0878                | 02/29/76         | 40                  | 5613            | 48.2         | 98.6         | GGGG                               |                     |                      | 180                   | 62                   |
| 03701E 8040N                            | 2477-11505        | 2-20027/0583                 | 00000/0000                  | 05/13/76         | 20                  | 6648            | 26.0         | 218.2        | GGG                                |                     |                      | 217                   | 248                  |
| 03701E 4440N                            | 2574-07303        | 00000/0000                   | 2-20030/1557                | 08/18/76         | 10                  | 7998            | 48.7         | 130.2        | GGGF                               |                     |                      | 189                   | 29                   |
| 03700E 4439N                            | 2718-07257        | 00000/0000                   | 2-20038/1209                | 01/09/77         | 90                  | 6               | 16.6         | 147.9        | GGGG                               |                     |                      | 189                   | 29                   |
| 03700E 4438N                            | 2430-07343        | 00000/0000                   | 2-20027/0681                | 03/27/76         | 70                  | 5990            | 40.1         | 138.3        | GGGG                               |                     |                      | 189                   | 29                   |
| 03700E 4432N                            | 2484-07330        | 00000/0000                   | 2-20025/0951                | 05/20/76         | 20                  | 6743            | 55.8         | 126.5        | GGGG                               |                     |                      | 189                   | 29                   |
| 03700E 0251S                            | 2385-06580        | 00000/0000                   | 2-20021/0100                | 02/11/76         | 40                  | 5362            | 47.0         | 107.9        | GGFF                               |                     |                      | 180                   | 62                   |
| 03659E 5841N                            | 2471-07575        | 00000/0000                   | 2-20024/1670                | 05/07/76         | 80                  | 6362            | 45.0         | 148.7        | GGGG                               |                     |                      | 194                   | 19                   |
| 03659E 4439N                            | 2592-07300        | 00000/0000                   | 2-20032/0762                | 09/05/76         | 10                  | 8249            | 43.9         | 136.3        | GGGG                               |                     |                      | 189                   | 29                   |
| 03659E 4434N                            | 2556-07311        | 00000/0000                   | 2-20030/0442                | 07/31/76         | 40                  | 7747            | 52.6         | 124.6        | GGGG                               |                     |                      | 189                   | 29                   |
| 03658E 4435N                            | 2610-07293        | 00000/0000                   | 2-20032/1721                | 09/23/76         | 80                  | 8500            | 38.5         | 142.2        | GGGG                               |                     |                      | 189                   | 29                   |
| 03658E 4432N                            | 2652-07245        | 00000/0000                   | 2-20037/0092                | 12/04/76         | 60                  | 9504            | 18.2         | 152.0        | GGGG                               |                     |                      | 189                   | 29                   |
| 03658E 4429N                            | 2502-07324        | 00000/0000                   | 2-20026/0928                | 06/07/76         | 10                  | 6994            | 57.6         | 122.2        | GGGG                               |                     |                      | 189                   | 29                   |
| 03657E 6413N                            | 2532-08107        | 00000/0000                   | 2-20032/0074                | 08/26/76         | 60                  | 8110            | 34.2         | 155.2        | GGGG                               |                     |                      | 197                   | 15                   |
| 03657E 4429N                            | 2538-07314        | 00000/0000                   | 2-20028/1365                | 07/13/76         | 40                  | 7496            | 55.6         | 120.9        | GGGG                               |                     |                      | 189                   | 29                   |
| 03656E 5843N                            | 2557-07543        | 00000/0000                   | 2-20032/1078                | 09/10/76         | 10                  | 8319            | 33.1         | 151.6        | GGGG                               |                     |                      | 194                   | 19                   |
| 03656E 4428N                            | 2394-07354        | 00000/0000                   | 2-20021/0341                | 02/20/76         | 30                  | 5488            | 27.0         | 143.7        | FFFF                               |                     |                      | 189                   | 29                   |
| 03656E 4425N                            | 2520-07321        | 00000/0000                   | 2-20028/0041                | 06/25/76         | 10                  | 7245            | 57.4         | 120.0        | GGGG                               |                     |                      | 189                   | 29                   |
| 03656E 4423N                            | 2376-07360        | 00000/0000                   | 2-20020/0762                | 02/02/76         | 90                  | 5237            | 21.8         | 146.5        | FGGG                               |                     |                      | 189                   | 29                   |
| 03655E 6409N                            | 2564-08115        | 00000/0000                   | 2-20032/0213                | 08/08/76         | 100                 | 7859            | 39.7         | 152.8        | GGGG                               |                     |                      | 197                   | 15                   |
| 03655E 4427N                            | 2664-07274        | 00000/0000                   | 2-20036/1149                | 11/16/76         | 30                  | 9253            | 22.0         | 152.1        | GGGG                               |                     |                      | 189                   | 29                   |
| 03655E 4426N                            | 2412-07351        | 00000/0000                   | 2-20021/1377                | 03/09/76         | 0                   | 5739            | 33.4         | 140.9        | FGGG                               |                     |                      | 189                   | 29                   |
| 03655E 4426N                            | 2646-07282        | 00000/0000                   | 2-20035/0235                | 10/29/76         | 10                  | 9002            | 27.1         | 150.4        | GGGG                               |                     |                      | 189                   | 29                   |
| 03655E 0252N                            | 2386-07020        | 00000/0000                   | 2-20020/1373                | 02/12/76         | 20                  | 5376            | 45.9         | 113.5        | GGGG                               |                     |                      | 181                   | 58                   |
| 03654E 0253N                            | 2368-07022        | 00000/0000                   | 2-20020/0265                | 01/25/76         | 0                   | 5125            | 44.5         | 120.7        | GGFG                               |                     |                      | 181                   | 58                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NBN-US  
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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN REL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-----|-------------------|-----------------------|----------------------------|------------------|---------------------|------------------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 03652E                      | 5839N |     | 2561-07553        | 00000/0000            | 2-20033/0829               | 08/05/76         | 100                 | 7817                   | 44.2         | 144.8        | GGGG                  |                     |                      | 194                   | 19                   |
| 03649E                      | 6400N |     | 2546-08113        | 00000/0000            | 2-20028/1700               | 07/21/76         | 40                  | 7608                   | 44.0         | 151.2        | GGGG                  |                     |                      | 197                   | 15                   |
| 03649E                      | 5834N |     | 2615-07540        | 00000/0000            | 2-20034/0014               | 09/28/76         | 70                  | 8570                   | 26.8         | 154.9        | GGGG                  |                     |                      | 194                   | 19                   |
| 03649E                      | 5830N |     | 2507-07570        | 00000/0000            | 2-20026/1511               | 06/12/76         | 90                  | 7064                   | 50.8         | 144.1        | GGGG                  |                     |                      | 194                   | 19                   |
| 03649E                      | 4733N |     | 2467-07382        | 00000/0000            | 2-20024/1546               | 05/03/76         | 10                  | 6506                   | 50.8         | 134.8        | GGGG                  |                     |                      | 190                   | 27                   |
| 03649E                      | 4731N |     | 2575-07352        | 00000/0000            | 2-20030/1467               | 08/19/76         | 90                  | 8012                   | 47.0         | 134.0        | FFFF                  |                     |                      | 190                   | 27                   |
| 03648E                      | 5830N |     | 2543-07560        | 00000/0000            | 2-20028/1794               | 07/18/76         | 90                  | 7566                   | 48.2         | 142.8        | FGGG                  |                     |                      | 194                   | 19                   |
| 03648E                      | 4730N |     | 2443-07385        | 00000/0000            | 2-20023/0353               | 04/15/76         | 80                  | 6255                   | 45.3         | 138.2        | GGGG                  |                     |                      | 190                   | 27                   |
| 03648E                      | 0838N |     | 2357-07061        | 00000/0000            | 2-20020/1357               | 02/13/76         | 10                  | 5390                   | 44.3         | 118.7        | GGGG                  |                     |                      | 182                   | 54                   |
| 03647E                      | 5831N |     | 2525-07563        | 00000/0000            | 2-20028/0402               | 06/30/76         | 90                  | 7315                   | 50.5         | 142.7        | GGGG                  |                     |                      | 194                   | 19                   |
| 03646E                      | 6358N |     | 2510-08123        | 00000/0000            | 2-20026/1536               | 06/15/76         | 90                  | 7106                   | 47.3         | 152.4        | GGGG                  |                     |                      | 197                   | 15                   |
| 03645E                      | 4729N |     | 2719-07302        | 00000/0000            | 2-20038/1227               | 01/10/77         | 30                  | 20                     | 14.6         | 149.0        | GGGG                  |                     |                      | 190                   | 27                   |
| 03644E                      | 6358N |     | 2528-08120        | 00000/0000            | 2-20028/0609               | 07/03/76         | 90                  | 7357                   | 46.7         | 151.1        | GGGG                  |                     |                      | 197                   | 15                   |
| 03644E                      | 5600N |     | 2452-07533        | 00000/0000            | 2-20024/0119               | 04/18/76         | 20                  | 6297                   | 41.0         | 147.2        | GGGG                  |                     |                      | 193                   | 21                   |
| 03644E                      | 4726N |     | 2431-07393        | 00000/0000            | 2-20022/0770               | 03/28/76         | 90                  | 6004                   | 38.8         | 140.8        | GGGG                  |                     |                      | 190                   | 27                   |
| 03643E                      | 4721N |     | 2485-07375        | 00000/0000            | 2-20025/1003               | 05/21/76         | 30                  | 6757                   | 54.7         | 130.7        | FGGG                  |                     |                      | 190                   | 27                   |
| 03642E                      | 4728N |     | 2593-07350        | 00000/0000            | 2-20032/0961               | 09/06/76         | 60                  | 8263                   | 42.0         | 139.5        | GFGG                  |                     |                      | 190                   | 27                   |
| 03642E                      | 4728N |     | 2701-07310        | 00000/0000            | 2-20037/1341               | 12/23/76         | 50                  | 9769                   | 14.0         | 151.5        | GGFG                  |                     |                      | 190                   | 27                   |
| 03642E                      | 4726N |     | 2557-07360        | 00000/0000            | 2-20030/0497               | 08/01/76         | 40                  | 7761                   | 51.3         | 129.0        | GGGG                  |                     |                      | 190                   | 27                   |
| 03642E                      | 4725N |     | 2643-07314        | 00000/0000            | 2-20037/0306               | 12/05/76         | 80                  | 9518                   | 15.8         | 153.2        | GGFG                  |                     |                      | 190                   | 27                   |
| 03639E                      | 4725N |     | 2611-07342        | 00000/0000            | 2-20032/1849               | 09/24/76         | 10                  | 8514                   | 36.3         | 144.9        | GGGG                  |                     |                      | 190                   | 27                   |
| 03639E                      | 4718N |     | 2603-07373        | 00000/0000            | 2-20026/1004               | 06/08/76         | 10                  | 7008                   | 56.5         | 126.9        | GGGG                  |                     |                      | 190                   | 27                   |
| 03639E                      | 4718N |     | 2521-07370        | 00000/0000            | 2-20028/0200               | 06/26/76         | 70                  | 7259                   | 56.3         | 124.9        | GFGG                  |                     |                      | 190                   | 27                   |
| 03638E                      | 5555N |     | 2470-07530        | 00000/0000            | 2-20024/1742               | 05/06/76         | 60                  | 6548                   | 46.6         | 145.3        | GGGG                  |                     |                      | 193                   | 21                   |
| 03638E                      | 5022N |     | 2450-07434        | 00000/0000            | 2-20023/0340               | 04/16/76         | 90                  | 6269                   | 44.0         | 141.2        | GGGG                  |                     |                      | 191                   | 25                   |
| 03638E                      | 4718N |     | 2539-07353        | 00000/0000            | 2-20024/1509               | 07/14/76         | 70                  | 7510                   | 54.5         | 125.6        | FFPP                  |                     |                      | 190                   | 27                   |
| 03637E                      | 6012N |     | 2454-08034        | 00000/0000            | 2-20024/0141               | 04/20/76         | 40                  | 6325                   | 38.7         | 151.9        | GGG                   |                     |                      | 195                   | 18                   |
| 03637E                      | 5600N |     | 2578-07500        | 00000/0000            | 2-20030/1740               | 08/22/76         | 60                  | 8054                   | 41.2         | 144.6        | GGGG                  |                     |                      | 193                   | 21                   |
| 03637E                      | 5311N |     | 2469-07451        | 00000/0000            | 2-20024/1476               | 05/05/76         | 90                  | 6534                   | 48.1         | 141.9        | GGGG                  |                     |                      | 192                   | 23                   |
| 03637E                      | 5021N |     | 2468-07431        | 00000/0000            | 2-20024/1356               | 05/04/76         | 40                  | 6520                   | 49.5         | 138.4        | GGGF                  |                     |                      | 191                   | 25                   |
| 03637E                      | 4719N |     | 2413-07400        | 00000/0000            | 2-20021/1496               | 03/10/76         | 0                   | 5753                   | 31.9         | 143.0        | GGGG                  |                     |                      | 190                   | 27                   |
| 03637E                      | 4718N |     | 2665-07323        | 00000/0000            | 2-20036/0895               | 11/17/76         | 100                 | 9267                   | 19.5         | 153.5        | GGGG                  |                     |                      | 190                   | 27                   |
| 03636E                      | 5554N |     | 2434-07540        | 00000/0000            | 2-20022/1086               | 03/31/76         | 70                  | 6046                   | 34.4         | 148.3        | GGGG                  |                     |                      | 193                   | 21                   |
| 03636E                      | 4716N |     | 2647-07331        | 00000/0000            | 2-20035/0324               | 10/30/76         | 0                   | 9016                   | 24.6         | 152.1        | FGGG                  |                     |                      | 190                   | 27                   |
| 03636E                      | 4713N |     | 2377-07410        | 00000/0000            | 2-20020/0833               | 02/03/76         | 0                   | 5251                   | 20.1         | 147.8        | GGGG                  |                     |                      | 190                   | 27                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG | OBSERVATION<br>ID<br>LAT | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|--------------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03635E                              | 5554N                    | 2596-07493                                         | 00000/0000       | 2-20032/0735        | 09/09/76        | 30           | 8305         | 35.5                               | 148.6               |                      |                       |                      |
| 03635E                              | 5551N                    | 2560-07504                                         | 00000/0000       | 2-20030/0693        | 08/04/76        | 90           | 7803         | 46.2                               | 141.0               | GGGG                 | 193                   | 21                   |
| 03635E                              | 5313N                    | 2451-07484                                         | 00000/0000       | 2-20023/0478        | 04/17/76        | 10           | 6283         | 42.5                               | 144.2               | GGGG                 | 193                   | 21                   |
| 03635E                              | 0126N                    | 2368-07025                                         | 00000/0000       | 2-20020/0266        | 01/25/76        | 0            | 5125         | 45.1                               | 119.3               | GGGG                 | 192                   | 23                   |
| 03633E                              | 6006N                    | 2472-08031                                         | 00000/0000       | 2-20025/0036        | 05/08/76        | 60           | 6576         | 44.3                               | 150.5               | GGGG                 | 181                   | 59                   |
| 03633E                              | 5548N                    | 2488-07523                                         | 00000/0000       | 2-20025/1158        | 05/24/76        | 30           | 6799         | 50.6                               | 142.7               | GGGG                 | 195                   | 18                   |
| 03633E                              | 5021N                    | 2576-07402                                         | 00000/0000       | 2-20032/0059        | 08/20/76        | 80           | 8026         | 45.2                               | 137.7               | GGGG                 | 193                   | 21                   |
| 03633E                              | 5018N                    | 2432-07442                                         | 00000/0000       | 2-20022/0861        | 03/29/76        | 90           | 6018         | 37.4                               | 143.2               | GGGG                 | 191                   | 25                   |
| 03632E                              | 5550N                    | 2614-07490                                         | 00000/0000       | 2-20034/0031        | 09/27/76        | 40           | 8556         | 29.2                               | 152.4               | GGGG                 | 193                   | 21                   |
| 03632E                              | 5546N                    | 2416-07544                                         | 00000/0000       | 2-20021/1524        | 03/13/76        | 20           | 5795         | 27.3                               | 149.2               | GGGG                 | 193                   | 21                   |
| 03632E                              | 5020N                    | 2594-07395                                         | 00000/0000       | 2-20032/0991        | 09/07/76        | 90           | 8277         | 39.9                               | 142.6               | GGGG                 | 193                   | 21                   |
| 03632E                              | 5017N                    | 2702-07355                                         | 00000/0000       | 2-20037/1281        | 12/24/76        | 80           | 9783         | 11.8                               | 152.7               | GGGG                 | 191                   | 25                   |
| 03632E                              | 5013N                    | 2486-07425                                         | 00000/0000       | 2-20025/1054        | 05/22/76        | 90           | 6771         | 53.4                               | 134.8               | GGGG                 | 191                   | 25                   |
| 03631E                              | 6005N                    | 2436-08041                                         | 00000/0000       | 2-20022/1150        | 04/02/76        | 80           | 6074         | 32.1                               | 152.4               | GGGG                 | 195                   | 18                   |
| 03630E                              | 6010N                    | 2580-08001                                         | 00000/0000       | 2-20030/1766        | 08/24/76        | 90           | 8082         | 37.7                               | 149.9               | GGGG                 | 195                   | 18                   |
| 03630E                              | 5545N                    | 2542-07511                                         | 00000/0000       | 2-20028/1660        | 07/17/76        | 20           | 7552         | 49.9                               | 138.7               | GGGG                 | 193                   | 21                   |
| 03630E                              | 5014N                    | 2612-07392                                         | 00000/0000       | 2-20032/1863        | 09/25/76        | 10           | 8523         | 34.0                               | 147.4               | GGGG                 | 191                   | 25                   |
| 03629E                              | 5309N                    | 2577-07451                                         | 00000/0000       | 2-20030/1672        | 08/21/76        | 90           | 8040         | 43.3                               | 141.2               | GGGG                 | 192                   | 23                   |
| 03629E                              | 5013N                    | 2558-07405                                         | 00000/0000       | 2-20030/0733        | 08/02/76        | 20           | 7775         | 49.7                               | 133.1               | GGGG                 | 191                   | 25                   |
| 03629E                              | 5013N                    | 2634-07364                                         | 00000/0000       | 2-20037/0401        | 12/06/76        | 100          | 9532         | 13.4                               | 154.4               | GGGG                 | 191                   | 25                   |
| 03628E                              | 5010N                    | 2414-07445                                         | 00000/0000       | 2-20021/1451        | 03/11/76        | 10           | 5767         | 30.4                               | 145.0               | GGGG                 | 191                   | 25                   |
| 03628E                              | 5009N                    | 2540-07412                                         | 00000/0000       | 2-20028/1391        | 01/15/76        | 90           | 7524         | 53.1                               | 130.2               | GGGG                 | 191                   | 25                   |
| 03628E                              | 5006N                    | 2504-07422                                         | 00000/0000       | 2-20024/1106        | 06/09/76        | 10           | 7022         | 55.3                               | 131.4               | GGGG                 | 191                   | 25                   |
| 03628E                              | 0711N                    | 2387-07063                                         | 00000/0000       | 2-20020/1358        | 02/13/76        | 70           | 5390         | 44.8                               | 117.3               | GGGG                 | 182                   | 55                   |
| 03627E                              | 5545N                    | 2632-07483                                         | 00000/0000       | 2-20034/0814        | 10/15/76        | 20           | 8807         | 22.9                               | 155.5               | GGGG                 | 193                   | 21                   |
| 03627E                              | 5542N                    | 2524-07514                                         | 00000/0000       | 2-20028/0230        | 06/29/76        | 10           | 7301         | 52.2                               | 138.4               | GGGG                 | 193                   | 21                   |
| 03627E                              | 5540N                    | 2506-07521                                         | 00000/0000       | 2-20026/1337        | 06/11/76        | 90           | 7050         | 52.5                               | 139.9               | GGGG                 | 193                   | 21                   |
| 03627E                              | 5304N                    | 2559-07454                                         | 00000/0000       | 2-20030/0756        | 08/03/76        | 70           | 7789         | 48.0                               | 137.1               | GGGG                 | 192                   | 23                   |
| 03627E                              | 5300N                    | 2487-07474                                         | 00000/0000       | 2-20025/1105        | 05/23/76        | 30           | 6785         | 52.1                               | 138.8               | GGGG                 | 192                   | 23                   |
| 03627E                              | 5005N                    | 2522-07415                                         | 00000/0000       | 2-20028/0163        | 06/27/76        | 10           | 7273         | 55.1                               | 129.5               | GGGG                 | 191                   | 25                   |
| 03627E                              | 0709N                    | 2369-07065                                         | 00000/0000       | 2-20020/0310        | 01/26/76        | 30           | 5139         | 42.9                               | 124.2               | GGGG                 | 182                   | 55                   |
| 03626E                              | 6005N                    | 2598-07594                                         | 00000/0000       | 2-20032/1162        | 09/11/76        | 70           | 8333         | 31.8                               | 153.1               | GGGG                 | 195                   | 18                   |
| 03626E                              | 5541N                    | 2650-07475                                         | 00000/0000       | 2-20035/0466        | 11/02/76        | 90           | 9068         | 17.0                               | 157.3               | GGGG                 | 193                   | 21                   |
| 03626E                              | 5008N                    | 2396-07452                                         | 00000/0000       | 2-20021/0413        | 02/22/76        | 10           | 5516         | 23.8                               | 146.9               | GGG                  | 191                   | 25                   |
| 03626E                              | 5007N                    | 2666-07372                                         | 00000/0000       | 2-20036/0911        | 11/18/76        | 90           | 9231         | 17.0                               | 154.9               | GGGG                 | 191                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03626E                                  | 5006N             | 2648-07380                                         | 00000/0000       | 2-20035/0365        | 10/31/76        | 90           | 9030         | 22.1                               | 153.9               |                      |                       |                      |
| 03625E                                  | 5301N             | 2685-07413                                         | 00000/0000       | 2-20037/0408        | 12/07/76        | 70           | 9546         | 11.0                               | 155.7               | GGGF                 |                       |                      |
| 03624E                                  | 5956N             | 2490-08024                                         | 00000/0000       | 2-20026/0170        | 05/26/76        | 80           | 6827         | 48.2                               | 148.4               | GGGF                 | 191                   | 25                   |
| 03624E                                  | 5301N             | 2613-07441                                         | 00000/0000       | 2-20034/0094        | 09/26/76        | 100          | 8542         | 31.7                               | 149.9               | GGGF                 | 192                   | 23                   |
| 03624E                                  | 5256N             | 2541-07462                                         | 00000/0000       | 2-20028/1761        | 07/16/76        | 80           | 7538         | 51.6                               | 134.5               | GGGF                 | 195                   | 18                   |
| 03624E                                  | 5004N             | 2630-07384                                         | 00000/0000       | 2-20034/0691        | 10/13/76        | 100          | 8779         | 28.0                               | 151.2               | GGGF                 | 192                   | 23                   |
| 03624E                                  | 5000N             | 2378-07455                                         | 00000/0000       | 2-20020/0983        | 02/04/76        | 0            | 5265         | 18.3                               | 149.1               | GGGF                 | 191                   | 25                   |
| 03624E                                  | 1256N             | 2370-07110                                         | 00000/0000       | 2-20020/0361        | 01/27/76        | 0            | 5153         | 40.3                               | 128.6               | GGGF                 | 191                   | 25                   |
| 03623E                                  | 5255N             | 2667-07421                                         | 00000/0000       | 2-20036/1060        | 11/19/76        | 100          | 9295         | 14.5                               | 156.4               | GGGF                 | 183                   | 51                   |
| 03622E                                  | 5253N             | 2505-07471                                         | 00000/0000       | 2-20026/1294        | 06/10/76        | 90           | 7036         | 54.0                               | 135.7               | GGGF                 | 192                   | 23                   |
| 03622E                                  | 5257N             | 2631-07434                                         | 00000/0000       | 2-20034/0722        | 10/14/76        | 90           | 8793         | 25.5                               | 153.4               | GGGF                 | 192                   | 23                   |
| 03622E                                  | 5254N             | 2649-07430                                         | 00000/0000       | 2-20035/0454        | 11/01/76        | 100          | 9044         | 19.6                               | 155.6               | GGGF                 | 192                   | 23                   |
| 03620E                                  | 5253N             | 2523-07465                                         | 00000/0000       | 2-20028/0326        | 06/28/76        | 40           | 7287         | 53.7                               | 134.0               | GGGF                 | 192                   | 23                   |
| 03619E                                  | 5955N             | 2544-08012                                         | 00000/0000       | 2-20029/0032        | 07/19/76        | 60           | 7580         | 47.1                               | 144.9               | GGGF                 | 192                   | 23                   |
| 03619E                                  | 5952N             | 2526-08015                                         | 00000/0000       | 2-20028/0256        | 07/01/76        | 90           | 7329         | 49.6                               | 144.7               | GGGF                 | 195                   | 18                   |
| 03618E                                  | 5952N             | 2508-08022                                         | 00000/0000       | 2-20024/1421        | 06/13/76        | 90           | 7078         | 50.0                               | 146.1               | GGGF                 | 195                   | 18                   |
| 03615E                                  | 0000N             | 2366-07031                                         | 00000/0000       | 2-20020/0267        | 01/25/76        | 10           | 5125         | 45.5                               | 117.9               | GGGF                 | 195                   | 18                   |
| 03614E                                  | 4608N             | 2467-07385                                         | 00000/0000       | 2-20024/1547        | 05/03/76        | 0            | 6506         | 51.6                               | 132.9               | GGGF                 | 181                   | 60                   |
| 03614E                                  | 0000N             | 2386-07025                                         | 00000/0000       | 2-20020/1374        | 02/12/76        | 10           | 5376         | 46.6                               | 110.5               | GGGF                 | 190                   | 28                   |
| 03613E                                  | 4605N             | 2575-07355                                         | 00000/0000       | 2-20030/1468        | 08/19/76        | 80           | 8012         | 47.7                               | 132.2               | GGGF                 | 181                   | 60                   |
| 03612E                                  | 4605N             | 2449-07392                                         | 00000/0000       | 2-20023/0354        | 04/15/76        | 30           | 6255         | 46.2                               | 136.6               | GGGF                 | 190                   | 28                   |
| 03610E                                  | 4604N             | 2719-07304                                         | 00000/0000       | 2-20038/1228        | 01/10/77        | 10           | 20           | 15.7                               | 148.4               | GGGF                 | 190                   | 28                   |
| 03608E                                  | 6127N             | 2473-08083                                         | 00000/0000       | 2-20024/1612        | 05/09/76        | 30           | 6590         | 43.6                               | 152.2               | GGGF                 | 190                   | 28                   |
| 03608E                                  | 4556N             | 2485-07332                                         | 00000/0000       | 2-20025/1004        | 05/21/76        | 10           | 6757         | 55.4                               | 128.5               | GGGF                 | 196                   | 17                   |
| 03608E                                  | 0545N             | 2387-07070                                         | 00000/0000       | 2-20020/0311        | 01/26/76        | 10           | 5139         | 43.5                               | 122.9               | GGGF                 | 182                   | 56                   |
| 03607E                                  | 0544N             | 2369-07072                                         | 00000/0000       | 2-20024/0110        | 04/19/76        | 30           | 6311         | 40.4                               | 148.7               | GGGF                 | 182                   | 56                   |
| 03607E                                  | 5725N             | 2453-07585                                         | 00000/0000       | 2-20037/1342        | 12/23/76        | 80           | 9769         | 15.1                               | 150.9               | GGGF                 | 194                   | 20                   |
| 03607E                                  | 4603N             | 2701-07312                                         | 00000/0000       | 2-20030/0498        | 08/01/76        | 20           | 7761         | 51.9                               | 127.0               | GGGF                 | 190                   | 28                   |
| 03607E                                  | 4601N             | 2557-07362                                         | 00000/0000       | 2-20032/0094        | 08/25/76        | 80           | 8096         | 36.5                               | 151.7               | GGGF                 | 190                   | 28                   |
| 03606E                                  | 6131N             | 2581-08053                                         | 00000/0000       | 2-20032/0962        | 09/06/76        | 50           | 8263         | 42.8                               | 138.1               | GGGF                 | 196                   | 17                   |
| 03606E                                  | 4602N             | 2593-07352                                         | 00000/0000       | 2-20037/0307        | 12/05/76        | 70           | 9518         | 16.9                               | 152.6               | GGGF                 | 190                   | 28                   |
| 03606E                                  | 4600N             | 2683-07321                                         | 00000/0000       | 2-20024/1671        | 05/07/76        | 90           | 6562         | 46.0                               | 146.9               | GGGF                 | 190                   | 28                   |
| 03604E                                  | 5717N             | 2471-07582                                         | 00000/0000       | 2-20032/1850        | 09/24/76        | 10           | 8514         | 37.3                               | 143.7               | GGGF                 | 194                   | 20                   |
| 03604E                                  | 4600N             | 2611-07345                                         | 00000/0000       | 2-20026/1005        | 06/08/76        | 10           | 7008         | 57.1                               | 124.5               | GGGF                 | 190                   | 28                   |
| 03604E                                  | 4553N             | 2503-07375                                         | 00000/0000       |                     |                 |              |              |                                    |                     |                      | 190                   | 28                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 23, 1977

LANOSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1113

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03604E                                  | 4553N             | 2521-07373                   | 00000/0000                  | 2-20028/0201     | 36/26/76            | 20              | 7259         | 56.8         | 122.5                              | FGGF                |                      | 190                   | 28                   |
| 03604E                                  | 4553N             | 2539-07370                   | 00000/0000                  | 2-20028/1510     | 07/14/76            | 20              | 7510         | 55.0         | 123.3                              | PPPP                |                      | 190                   | 28                   |
| 03603E                                  | 1130N             | 2370-07112                   | 00000/0000                  | 2-20020/0362     | 01/27/76            | 0               | 5153         | 41.0         | 127.5                              | GGGG                |                      | 183                   | 52                   |
| 03602E                                  | 5718N             | 2435-07532                   | 00000/0000                  | 2-20022/1716     | 04/01/76            | 20              | 6060         | 33.8         | 149.6                              | GGGG                |                      | 194                   | 20                   |
| 03602E                                  | 4553N             | 2665-07325                   | 00000/0000                  | 2-20036/0896     | 11/17/76            | 90              | 9267         | 20.6         | 152.8                              | GGGG                |                      | 190                   | 28                   |
| 03601E                                  | 6124N             | 2563-08060                   | 00000/0000                  | 2-20030/0967     | 08/07/76            | 100             | 7845         | 41.9         | 148.8                              | FGGG                |                      | 194                   | 17                   |
| 03601E                                  | 5719N             | 2597-07545                   | 00000/0000                  | 2-20032/1079     | 09/10/76            | 30              | 8319         | 34.1         | 150.2                              | GGGG                |                      | 194                   | 20                   |
| 03601E                                  | 4551N             | 2629-07342                   | 00000/0000                  | 2-20034/0509     | 10/12/76            | 40              | 8765         | 31.5         | 148.2                              | GFGG                |                      | 190                   | 28                   |
| 03601E                                  | 4551N             | 2647-07334                   | 00000/0000                  | 2-20035/0325     | 10/30/76            | 0               | 9016         | 25.7         | 151.3                              | GFGF                |                      | 190                   | 28                   |
| 03559E                                  | 5710N             | 2489-07575                   | 00000/0000                  | 2-20026/0181     | 05/25/76            | 20              | 6813         | 49.9         | 144.5                              | GGGG                |                      | 194                   | 20                   |
| 03559E                                  | 4857N             | 2450-07441                   | 00000/0000                  | 2-20027/0341     | 04/16/76            | 90              | 6269         | 44.8         | 139.6                              | GGGG                |                      | 191                   | 26                   |
| 03558E                                  | 5716N             | 2561-07555                   | 00000/0000                  | 2-20030/0830     | 08/05/76            | 40              | 7817         | 45.1         | 143.0                              | GGGG                |                      | 194                   | 20                   |
| 03558E                                  | 4856N             | 2468-07434                   | 00000/0000                  | 2-20024/1357     | 05/04/76            | 60              | 6520         | 50.3         | 136.5                              | GGFG                |                      | 191                   | 26                   |
| 03557E                                  | 6816N             | 2460-08352                   | 00000/0000                  | 2-20024/0853     | 04/26/76            | 90              | 6409         | 34.5         | 162.8                              | GGGG                |                      | 201                   | 12                   |
| 03557E                                  | 6116N             | 2527-08071                   | 00000/0000                  | 2-20028/0679     | 07/02/76            | 90              | 7343         | 48.6         | 146.9                              | GGGG                |                      | 194                   | 17                   |
| 03556E                                  | 5436N             | 2452-07535                   | 00000/0000                  | 2-20024/0120     | 04/18/76            | 10              | 6297         | 41.9         | 145.6                              | GGGG                |                      | 193                   | 22                   |
| 03555E                                  | 6113N             | 2503-08074                   | 00000/0000                  | 2-20027/0187     | 06/14/76            | 70              | 7092         | 49.1         | 148.1                              | GGGG                |                      | 196                   | 17                   |
| 03555E                                  | 5707N             | 2507-07572                   | 00000/0000                  | 2-20026/1512     | 06/12/76            | 50              | 7044         | 51.7         | 142.0                              | FGGG                |                      | 194                   | 20                   |
| 03555E                                  | 4854N             | 2720-07353                   | 00000/0000                  | 2-20038/1307     | 01/11/77            | 50              | 34           | 13.7         | 149.5                              | GGGG                |                      | 191                   | 26                   |
| 03555E                                  | 0125S             | 2368-07034                   | 00000/0000                  | 2-20020/0268     | 01/25/76            | 0               | 5125         | 46.0         | 116.5                              | GGGG                |                      | 181                   | 61                   |
| 03554E                                  | 6254N             | 2456-08141                   | 00000/0000                  | 2-20024/0447     | 04/22/76            | 40              | 6353         | 37.4         | 155.1                              | GGGG                |                      | 197                   | 16                   |
| 03554E                                  | 6116N             | 2545-08064                   | 00000/0000                  | 2-20029/0125     | 07/20/76            | 10              | 7594         | 46.1         | 147.0                              | GGGG                |                      | 196                   | 17                   |
| 03554E                                  | 5711N             | 2615-07542                   | 00000/0000                  | 2-20034/0015     | 09/28/76            | 70              | 8570         | 27.9         | 153.7                              | GGGG                |                      | 194                   | 20                   |
| 03554E                                  | 5709N             | 2417-07595                   | 00000/0000                  | 2-20021/1659     | 03/14/76            | 10              | 5809         | 26.7         | 150.3                              | GGGG                |                      | 194                   | 20                   |
| 03554E                                  | 5708N             | 2525-07570                   | 00000/0000                  | 2-20023/0403     | 06/30/76            | 90              | 7315         | 51.3         | 140.5                              | GGGG                |                      | 194                   | 20                   |
| 03554E                                  | 5707N             | 2543-07562                   | 00000/0000                  | 2-20025/1334     | 07/18/76            | 90              | 7566         | 49.0         | 140.8                              | GGGG                |                      | 194                   | 20                   |
| 03554E                                  | 5146N             | 2469-07483                   | 00000/0000                  | 2-20024/1477     | 05/05/76            | 100             | 6534         | 48.9         | 140.1                              | FFGG                |                      | 192                   | 24                   |
| 03554E                                  | 4856N             | 2576-07404                   | 00000/0000                  | 2-20032/0060     | 08/20/76            | 90              | 8026         | 46.0         | 136.0                              | GGGG                |                      | 191                   | 26                   |
| 03554E                                  | 4853N             | 2432-07444                   | 00000/0000                  | 2-20022/0862     | 03/29/76            | 90              | 6018         | 38.3         | 142.0                              | GGGG                |                      | 191                   | 26                   |
| 03554E                                  | 4853N             | 2702-07362                   | 00000/0000                  | 2-20037/1282     | 12/24/76            | 90              | 9783         | 12.9         | 152.0                              | GGGG                |                      | 191                   | 26                   |
| 03554E                                  | 4849N             | 2486-07431                   | 00000/0000                  | 2-20025/1055     | 05/22/76            | 90              | 6771         | 54.2         | 132.7                              | GGFG                |                      | 191                   | 26                   |
| 03554E                                  | 0126S             | 2386-07032                   | 00000/0000                  | 2-20020/1375     | 02/12/76            | 10              | 5376         | 46.9         | 109.0                              | FGGG                |                      | 181                   | 61                   |
| 03553E                                  | 5706N             | 2399-08003                   | 00000/0000                  | 2-20021/0698     | 02/25/76            | 20              | 5558         | 19.9         | 151.4                              | GGGG                |                      | 194                   | 20                   |
| 03553E                                  | 5704N             | 2651-07531                   | 00000/0000                  | 2-20035/0500     | 11/03/76            | 70              | 9072         | 15.6         | 158.3                              | GGGG                |                      | 194                   | 20                   |
| 03553E                                  | 5149N             | 2451-07430                   | 00000/0000                  | 2-20023/0479     | 04/17/76            | 10              | 6283         | 43.4         | 142.6                              | GGGG                |                      | 192                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, HIGH GAIN



02:44 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LAT   | LONG       | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN REEL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>REVIS | MSS<br>DATA<br>MODF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|---------------------|---------------------|----------------------|-----------------------|----------------------|
| 03553E                      | 4855N | 2594-07401 | 00000/0000        | 2-20032/0992          | 09/07/76             | 100              | 8277                | 40.8            | 141.3        | GGGG         |                     |                     | 191                  | 26                    |                      |
| 03552E                      | 5706N | 2633-07535 | 00000/0000        | 2-20034/0862          | 10/16/76             | 90               | 8821                | 21.5            | 156.6        | GGGG         |                     |                     | 194                  | 20                    |                      |
| 03551E                      | 5655N | 2381-08010 | 00000/0000        | 2-20020/1160          | 02/07/76             | 10               | 5307                | 14.0            | 152.8        | FGFG         |                     |                     | 194                  | 20                    |                      |
| 03551E                      | 4849N | 2584-07370 | 00000/0000        | 2-20037/0402          | 12/08/76             | 100              | 9532                | 14.5            | 153.8        | GGGG         |                     |                     | 191                  | 26                    |                      |
| 03551E                      | 4848N | 2612-07394 | 00000/0000        | 2-20032/1864          | 09/25/76             | 10               | 8523                | 35.0            | 146.3        | GGGG         |                     |                     | 191                  | 26                    |                      |
| 03550E                      | 6256N | 2474-08134 | 00000/0000        | 2-20025/0103          | 05/10/76             | 10               | 6604                | 42.8            | 154.1        | GGGG         |                     |                     | 197                  | 16                    |                      |
| 03550E                      | 5436N | 2578-07503 | 00000/0000        | 2-20030/1741          | 08/22/76             | 10               | 8054                | 42.1            | 143.0        | GGGG         |                     |                     | 193                  | 22                    |                      |
| 03550E                      | 5431N | 2470-07532 | 00000/0000        | 2-20024/1743          | 05/06/76             | 70               | 6548                | 47.5            | 143.5        | GGGG         |                     |                     | 193                  | 22                    |                      |
| 03550E                      | 4849N | 2558-07412 | 00000/0000        | 2-20030/0734          | 08/02/76             | 20               | 7775                | 50.4            | 131.2        | GGGG         |                     |                     | 191                  | 26                    |                      |
| 03550E                      | 4844N | 2540-07415 | 00000/0000        | 2-20028/1392          | 07/15/76             | 90               | 7524                | 53.7            | 128.0        | GGGG         |                     |                     | 191                  | 26                    |                      |
| 03550E                      | 4841N | 2504-07425 | 00000/0000        | 2-20026/1107          | 06/09/76             | 60               | 7022                | 56.0            | 129.1        | GGGG         |                     |                     | 191                  | 26                    |                      |
| 03549E                      | 4845N | 2414-07452 | 00000/0000        | 2-20021/1452          | 03/11/76             | 0                | 5767                | 31.4            | 143.9        | GGGG         |                     |                     | 191                  | 26                    |                      |
| 03548E                      | 4843N | 2376-07455 | 00000/0000        | 2-20021/0414          | 02/22/76             | 10               | 5516                | 24.8            | 146.0        | GGG          |                     |                     | 191                  | 26                    |                      |
| 03548E                      | 4842N | 2656-07375 | 00000/0000        | 2-20036/0912          | 11/18/76             | 90               | 9281                | 18.1            | 154.2        | GGGG         |                     |                     | 191                  | 26                    |                      |
| 03548E                      | 4841N | 2522-07422 | 00000/0000        | 2-20028/0164          | 06/27/76             | 10               | 7273                | 55.7            | 127.2        | GGGG         |                     |                     | 191                  | 26                    |                      |
| 03548E                      | 0417N | 2369-07074 | 00000/0000        | 2-20020/0312          | 01/26/76             | 20               | 5139                | 44.1            | 121.6        | FGFG         |                     |                     | 182                  | 57                    |                      |
| 03547E                      | 5427N | 2500-07510 | 00000/0000        | 2-20030/0694          | 08/04/76             | 90               | 7803                | 47.0            | 139.1        | GGGG         |                     |                     | 193                  | 22                    |                      |
| 03547E                      | 0410N | 2387-07072 | 00000/0000        | 2-20020/1380          | 02/13/76             | 40               | 5390                | 45.7            | 114.5        | GGGG         |                     |                     | 182                  | 57                    |                      |
| 03546E                      | 5430N | 2596-07500 | 00000/0000        | 2-20032/0736          | 09/09/76             | 20               | 8305                | 36.5            | 147.2        | GGGG         |                     |                     | 193                  | 22                    |                      |
| 03546E                      | 5145N | 2577-07454 | 00000/0000        | 2-20030/1673          | 08/21/76             | 70               | 8040                | 44.1            | 139.5        | GGGF         |                     |                     | 192                  | 24                    |                      |
| 03546E                      | 4835N | 2378-07462 | 00000/0000        | 2-20021/0984          | 02/04/76             | 0                | 5265                | 19.3            | 148.4        | GGGF         |                     |                     | 191                  | 26                    |                      |
| 03545E                      | 5424N | 2478-07530 | 00000/0000        | 2-20025/1159          | 05/24/76             | 20               | 6799                | 51.4            | 140.6        | GGGG         |                     |                     | 193                  | 22                    |                      |
| 03545E                      | 5140N | 2559-07461 | 00000/0000        | 2-20030/0757          | 08/03/76             | 90               | 7789                | 48.8            | 135.2        | GGGG         |                     |                     | 192                  | 24                    |                      |
| 03545E                      | 4840N | 2630-07391 | 00000/0000        | 2-20034/0692          | 10/13/76             | 90               | 8779                | 29.1            | 150.3        | GGGG         |                     |                     | 191                  | 26                    |                      |
| 03544E                      | 6251N | 2542-08105 | 00000/0000        | 2-20032/0075          | 08/26/76             | 80               | 8110                | 35.2            | 153.5        | GGGG         |                     |                     | 197                  | 16                    |                      |
| 03544E                      | 5427N | 2614-07493 | 00000/0000        | 2-20034/0032          | 09/27/76             | 70               | 8556                | 30.3            | 151.3        | GGGG         |                     |                     | 193                  | 22                    |                      |
| 03544E                      | 5422N | 2416-07550 | 00000/0000        | 2-20021/1525          | 03/13/76             | 30               | 5795                | 28.3            | 148.1        | FGFF         |                     |                     | 193                  | 22                    |                      |
| 03544E                      | 5136N | 2487-07480 | 00000/0000        | 2-20025/1106          | 05/23/76             | 70               | 6785                | 52.9            | 136.7        | PGGG         |                     |                     | 192                  | 24                    |                      |
| 03542E                      | 5420N | 2542-07512 | 00000/0000        | 2-20028/1661          | 07/17/76             | 50               | 7552                | 50.7            | 136.7        | GGGG         |                     |                     | 193                  | 22                    |                      |
| 03542E                      | 5136N | 2655-07415 | 00000/0000        | 2-20037/0409          | 12/07/76             | 30               | 9546                | 12.1            | 155.0        | FGFG         |                     |                     | 192                  | 24                    |                      |
| 03542E                      | 1204N | 2370-07115 | 00000/0000        | 2-20020/0363          | 01/27/76             | 0                | 5153                | 41.7            | 126.3        | GGGG         |                     |                     | 183                  | 53                    |                      |
| 03541E                      | 6247N | 2564-08112 | 00000/0000        | 2-20032/0234          | 08/08/76             | 100              | 7859                | 40.6            | 150.8        | GGGG         |                     |                     | 197                  | 16                    |                      |
| 03541E                      | 5136N | 2613-07444 | 00000/0000        | 2-20034/0095          | 09/26/76             | 100              | 8542                | 32.7            | 148.8        | GGGG         |                     |                     | 192                  | 24                    |                      |
| 03541E                      | 5132N | 2541-07464 | 00000/0000        | 2-20028/1762          | 07/16/76             | 90               | 7538                | 52.3            | 132.4        | GGGG         |                     |                     | 192                  | 24                    |                      |
| 03541E                      | 5131N | 2667-07424 | 00000/0000        | 2-20035/1061          | 11/19/76             | 100              | 9295                | 15.6            | 155.6        | GGGF         |                     |                     | 192                  | 24                    |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODF ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03541E                                  | 5130N             | 2505-07474                   | 00000/0000                  | 2-20026/1295     | 06/10/76            | 100             | 7036         | 54.7         | 133.5                              | GGGF                |                      | 192                   | 24                   |
| 03540E                                  | 5418N             | 2524-07520                   | 00000/0000                  | 2-20028/0281     | 06/29/76            | 10              | 7301         | 52.9         | 136.2                              | GGGG                |                      | 193                   | 22                   |
| 03540E                                  | 5417N             | 2506-07523                   | 00000/0000                  | 2-20026/1338     | 06/11/76            | 80              | 7050         | 53.3         | 137.7                              | GGGG                |                      | 193                   | 22                   |
| 03540E                                  | 5133N             | 2631-07440                   | 00000/0000                  | 2-20034/0723     | 10/14/76            | 100             | 8793         | 26.5         | 152.4                              | FGGG                |                      | 192                   | 24                   |
| 03540E                                  | 5130N             | 2649-07432                   | 00000/0000                  | 2-20035/0455     | 11/01/76            | 100             | 9044         | 20.7         | 154.8                              | GGGG                |                      | 192                   | 24                   |
| 03540E                                  | 4442N             | 2467-07391                   | 00000/0000                  | 2-20024/1548     | 05/03/76            | 0               | 6506         | 52.3         | 131.0                              | GGGG                |                      | 190                   | 29                   |
| 03540E                                  | 4440N             | 2575-07362                   | 00000/0000                  | 2-20030/1469     | 08/19/76            | 50              | 8012         | 48.4         | 130.5                              | GGGG                |                      | 190                   | 29                   |
| 03539E                                  | 5421N             | 2632-07485                   | 00000/0000                  | 2-20034/0815     | 10/15/76            | 10              | 8807         | 24.0         | 154.5                              | GGGG                |                      | 193                   | 22                   |
| 03539E                                  | 5408N             | 2380-07560                   | 00000/0000                  | 2-20020/1052     | 02/06/76            | 0               | 5293         | 15.8         | 151.2                              | GGGG                |                      | 193                   | 22                   |
| 03538E                                  | 5849N             | 2454-08040                   | 00000/0000                  | 2-20024/0142     | 04/20/76            | 30              | 6325         | 39.7         | 150.2                              | FGGG                |                      | 195                   | 19                   |
| 03538E                                  | 5417N             | 2650-07451                   | 00000/0000                  | 2-20035/0467     | 11/02/76            | 90              | 9058         | 18.1         | 156.5                              | GGGG                |                      | 193                   | 22                   |
| 03538E                                  | 5129N             | 2523-07471                   | 00000/0000                  | 2-20028/0327     | 06/28/76            | 10              | 7237         | 54.4         | 131.7                              | GGGG                |                      | 192                   | 24                   |
| 03538E                                  | 4439N             | 2449-07394                   | 00000/0000                  | 2-20023/0355     | 04/15/76            | 20              | 6255         | 47.0         | 135.0                              | GGGG                |                      | 190                   | 29                   |
| 03537E                                  | 5416N             | 2398-07553                   | 00000/0000                  | 2-20021/0599     | 02/24/76            | 10              | 5544         | 21.6         | 149.4                              | GGGG                |                      | 193                   | 22                   |
| 03536E                                  | 6239N             | 2546-08115                   | 00000/0000                  | 2-20028/1701     | 07/21/76            | 30              | 7608         | 45.0         | 149.1                              | GGGG                |                      | 197                   | 16                   |
| 03536E                                  | 4438N             | 2719-07311                   | 00000/0000                  | 2-20034/1229     | 01/10/77            | 30              | 20           | 16.7         | 147.7                              | GGGG                |                      | 190                   | 29                   |
| 03535E                                  | 5842N             | 2472-08033                   | 00000/0000                  | 2-20025/0037     | 05/08/76            | 30              | 6576         | 45.3         | 148.7                              | GGGG                |                      | 195                   | 19                   |
| 03535E                                  | 0252S             | 2368-07040                   | 00000/0000                  | 2-20020/0269     | 01/25/76            | 0               | 5125         | 46.4         | 115.1                              | GGGG                |                      | 181                   | 62                   |
| 03534E                                  | 4431N             | 2485-07344                   | 00000/0000                  | 2-20025/1005     | 05/21/76            | 20              | 6757         | 56.0         | 126.2                              | FFFF                |                      | 190                   | 29                   |
| 03533E                                  | 6236N             | 2510-08125                   | 00000/0000                  | 2-20026/1537     | 06/15/76            | 90              | 7106         | 48.2         | 150.2                              | GGGG                |                      | 197                   | 16                   |
| 03533E                                  | 5843N             | 2436-08044                   | 00000/0000                  | 2-20022/1151     | 04/02/76            | 80              | 6074         | 33.2         | 151.0                              | GGGG                |                      | 195                   | 19                   |
| 03533E                                  | 4438N             | 2701-07315                   | 00000/0000                  | 2-20037/1343     | 12/23/76            | 80              | 9769         | 16.2         | 150.3                              | GGGG                |                      | 190                   | 29                   |
| 03533E                                  | 4437N             | 2593-07355                   | 00000/0000                  | 2-20032/0963     | 09/06/76            | 40              | 8263         | 43.7         | 136.6                              | FGGG                |                      | 190                   | 29                   |
| 03533E                                  | 4436N             | 2557-07365                   | 00000/0000                  | 2-20030/0499     | 08/31/76            | 20              | 7761         | 52.4         | 124.9                              | GGGG                |                      | 190                   | 29                   |
| 03533E                                  | 4435N             | 2643-07323                   | 00000/0000                  | 2-20037/0308     | 12/05/76            | 60              | 9518         | 18.0         | 152.0                              | FGGG                |                      | 190                   | 29                   |
| 03533E                                  | 0252S             | 2386-07044                   | 00000/0000                  | 2-20020/1376     | 02/12/76            | 20              | 5376         | 47.1         | 107.5                              | GGGG                |                      | 181                   | 62                   |
| 03532E                                  | 6236N             | 2528-08122                   | 00000/0000                  | 2-20028/0610     | 07/03/76            | 60              | 7357         | 47.6         | 148.9                              | GGGG                |                      | 197                   | 16                   |
| 03532E                                  | 5847N             | 2580-08004                   | 00000/0000                  | 2-20030/1767     | 08/24/76            | 90              | 8082         | 38.7         | 148.2                              | GGGG                |                      | 195                   | 19                   |
| 03531E                                  | 4435N             | 2611-07351                   | 00000/0000                  | 2-20032/1851     | 09/24/76            | 20              | 8514         | 38.2         | 142.5                              | GGGG                |                      | 190                   | 29                   |
| 03530E                                  | 4428N             | 2503-07382                   | 00000/0000                  | 2-20026/1006     | 06/08/76            | 20              | 7008         | 57.6         | 122.0                              | GGGG                |                      | 190                   | 29                   |
| 03530E                                  | 4428N             | 2539-07372                   | 00000/0000                  | 2-20028/1511     | 07/14/76            | 30              | 7510         | 55.5         | 121.0                              | FGGG                |                      | 190                   | 29                   |
| 03530E                                  | 4427N             | 2521-07375                   | 00000/0000                  | 2-20028/0202     | 06/26/76            | 10              | 7259         | 57.3         | 120.0                              | FGGG                |                      | 190                   | 29                   |
| 03528E                                  | 4429N             | 2665-07332                   | 00000/0000                  | 2-20036/0897     | 11/17/76            | 70              | 9267         | 21.7         | 152.1                              | GGGG                |                      | 190                   | 29                   |
| 03528E                                  | 4427N             | 2629-07344                   | 00000/0000                  | 2-20034/0510     | 10/12/76            | 10              | 8765         | 32.5         | 147.3                              | GGGG                |                      | 190                   | 29                   |
| 03528E                                  | 4426N             | 2647-07340                   | 00000/0000                  | 2-20035/0326     | 10/30/76            | 10              | 9016         | 25.8         | 150.6                              | FFFF                |                      | 190                   | 29                   |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1116

| PRINCIPAL PRINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03528E                                  | 0249N             | 2369-07081                   | 00000/0000                  | 2-20020/0313     | 01/26/76            | 10              | 5139         | 44.6         | 120.3                              | GGGG                |                      | 182                   | 58                   |
| 03527E                                  | 7937N             | 2468-11001                   | 00000/0000                  | 2-20024/1457     | 05/04/76            | 80              | 6522         | 25.7         | 203.1                              | GGGG                |                      | 226                   | 2                    |
| 03527E                                  | 5842N             | 2598-08001                   | 00000/0000                  | 2-20032/1163     | 09/11/76            | 60              | 8333         | 32.8         | 151.7                              | GGGG                |                      | 195                   | 19                   |
| 03527E                                  | 0252N             | 2387-07075                   | 00000/0000                  | 2-20020/1361     | 02/13/76            | 30              | 5390         | 46.0         | 113.0                              | GGGG                |                      | 182                   | 58                   |
| 03526E                                  | 5833N             | 2490-08031                   | 00000/0000                  | 2-20026/0171     | 05/26/76            | 40              | 6827         | 49.1         | 146.4                              | FGGG                |                      | 195                   | 19                   |
| 03525E                                  | 5833N             | 2418-08051                   | 00000/0000                  | 2-20021/1678     | 03/15/76            | 20              | 5823         | 26.1         | 151.5                              | GGG                 |                      | 195                   | 19                   |
| 03524E                                  | 5836N             | 2616-07594                   | 00000/0000                  | 2-20034/0139     | 09/29/76            | 10              | 8584         | 26.4         | 155.1                              | GGGG                |                      | 195                   | 19                   |
| 03522E                                  | 8015N             | 2473-11282                   | 00000/0000                  | 2-20025/0062     | 05/09/76            | 30              | 6592         | 26.0         | 210.6                              | GGGG                |                      | 231                   | 1                    |
| 03522E                                  | 5829N             | 2526-08021                   | 00000/0000                  | 2-20028/0257     | 07/01/76            | 90              | 7329         | 50.4         | 142.6                              | GGGG                |                      | 195                   | 19                   |
| 03522E                                  | 4732N             | 2450-07443                   | 00000/0000                  | 2-20023/0283     | 04/16/76            | 90              | 6269         | 45.7         | 138.0                              | FFGG                |                      | 191                   | 27                   |
| 03522E                                  | 0837N             | 2370-07121                   | 00000/0000                  | 2-20020/0450     | 11/27/76            | 10              | 5153         | 42.3         | 125.1                              | FGFG                |                      | 183                   | 54                   |
| 03521E                                  | 5831N             | 2544-08014                   | 00000/0000                  | 2-20029/0033     | 07/19/76            | 90              | 7580         | 48.0         | 142.9                              | GGGG                |                      | 195                   | 19                   |
| 03521E                                  | 4732N             | 2468-07440                   | 00000/0000                  | 2-20024/1358     | 05/04/76            | 30              | 6520         | 51.1         | 134.6                              | FGGG                |                      | 191                   | 27                   |
| 03520E                                  | 5829N             | 2508-08024                   | 00000/0000                  | 2-20026/1422     | 06/13/76            | 90              | 7078         | 50.9         | 144.0                              | GGGG                |                      | 195                   | 19                   |
| 03519E                                  | 4729N             | 2720-07360                   | 00000/0000                  | 2-20038/1308     | 01/11/77            | 30              | 34           | 14.7         | 148.8                              | PGGG                |                      | 191                   | 27                   |
| 03518E                                  | 5828N             | 2400-08054                   | 00000/0000                  | 2-20021/0716     | 02/26/76            | 100             | 5572         | 19.2         | 152.3                              | FGGG                |                      | 195                   | 19                   |
| 03518E                                  | 4732N             | 2376-07411                   | 00000/0000                  | 2-20032/0061     | 08/20/76            | 80              | 8026         | 46.7         | 134.3                              | GGGG                |                      | 191                   | 27                   |
| 03518E                                  | 4728N             | 2432-07451                   | 00000/0000                  | 2-20022/0863     | 03/29/76            | 50              | 6018         | 39.2         | 140.6                              | GGGG                |                      | 191                   | 27                   |
| 03517E                                  | 5817N             | 2382-08061                   | 00000/0000                  | 2-20020/1053     | 02/08/76            | 100             | 5321         | 13.3         | 153.6                              | GGGG                |                      | 195                   | 19                   |
| 03517E                                  | 4730N             | 2594-07434                   | 00000/0000                  | 2-20032/0993     | 09/07/76            | 90              | 8277         | 41.7         | 139.9                              | GGGG                |                      | 191                   | 27                   |
| 03517E                                  | 4728N             | 2702-07364                   | 00000/0000                  | 2-20037/1283     | 12/24/76            | 90              | 9783         | 14.0         | 151.4                              | FGGG                |                      | 191                   | 27                   |
| 03517E                                  | 4724N             | 2486-07434                   | 00000/0000                  | 2-20025/1056     | 05/22/76            | 70              | 6771         | 54.9         | 130.5                              | GGGG                |                      | 191                   | 27                   |
| 03515E                                  | 5602N             | 2453-07591                   | 00000/0000                  | 2-20024/0111     | 04/19/76            | 10              | 6311         | 41.3         | 147.1                              | GGGG                |                      | 194                   | 21                   |
| 03515E                                  | 4723N             | 2612-07401                   | 00000/0000                  | 2-20032/1865     | 09/25/76            | 10              | 8523         | 36.0         | 145.1                              | GGGG                |                      | 191                   | 27                   |
| 03514E                                  | 4724N             | 2684-07373                   | 00000/0000                  | 2-20037/1433     | 12/06/76            | 100             | 9532         | 15.6         | 153.2                              | GGGF                |                      | 191                   | 27                   |
| 03513E                                  | 5554N             | 2471-07584                   | 00000/0000                  | 2-20024/1672     | 05/07/76            | 90              | 6562         | 46.9         | 145.1                              | FGGG                |                      | 194                   | 21                   |
| 03513E                                  | 5022N             | 2469-07490                   | 00000/0000                  | 2-20024/1478     | 05/05/76            | 100             | 6534         | 49.8         | 138.2                              | FFFF                |                      | 192                   | 25                   |
| 03513E                                  | 4719N             | 2540-07421                   | 00000/0000                  | 2-20028/1393     | 07/15/76            | 90              | 7524         | 54.3         | 125.8                              | GGGG                |                      | 191                   | 27                   |
| 03513E                                  | 4717N             | 2504-07431                   | 00000/0000                  | 2-20026/1108     | 06/09/76            | 90              | 7022         | 56.6         | 126.7                              | GGGG                |                      | 191                   | 27                   |
| 03512E                                  | 4720N             | 2414-07454                   | 00000/0000                  | 2-20021/1453     | 03/11/76            | 20              | 5767         | 32.3         | 142.9                              | GGGG                |                      | 191                   | 27                   |
| 03512E                                  | 4719N             | 2396-07461                   | 00000/0000                  | 2-20021/0415     | 02/22/76            | 70              | 5516         | 25.8         | 145.1                              | GFG                 |                      | 191                   | 27                   |
| 03512E                                  | 4716N             | 2522-07424                   | 00000/0000                  | 2-20028/0165     | 06/27/76            | 10              | 7273         | 56.3         | 124.8                              | GGGG                |                      | 191                   | 27                   |
| 03511E                                  | 5555N             | 2435-07594                   | 00000/0000                  | 2-20022/1717     | 04/01/76            | 70              | 6060         | 34.7         | 148.3                              | GGGG                |                      | 194                   | 21                   |
| 03511E                                  | 4717N             | 2648-07385                   | 00000/0000                  | 2-20035/0366     | 10/31/76            | 100             | 9030         | 24.3         | 152.3                              | FGGG                |                      | 191                   | 27                   |
| 03511E                                  | 4717N             | 2656-07381                   | 00000/0000                  | 2-20036/0913     | 11/18/76            | 90              | 9281         | 19.3         | 153.5                              | GGGG                |                      | 191                   | 27                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR USN-US  
FROM 11/22/76 TO 01/22/77

PAGE 1117

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN REEL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBV<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 03510E                      | 5556N             | 2597-07552            | 02000/0000           | 2-20032/1080     | 09/10/76            | 40              | 8319         | 35.1         | 148.8                 | GGGF                |                      | 194                   | 21                   |
| 03510E                      | 5312N             | 2452-07542            | 02000/0000           | 2-20024/0121     | 04/18/76            | 10              | 6297         | 42.9         | 144.0                 | GGGF                |                      | 193                   | 23                   |
| 03510E                      | 4710N             | 2378-07464            | 02000/0000           | 2-20020/0985     | 02/04/76            | 10              | 5265         | 20.3         | 147.6                 | GGGF                |                      | 191                   | 27                   |
| 03509E                      | 5547N             | 2429-07582            | 02000/0000           | 2-20024/0182     | 05/25/76            | 10              | 6813         | 50.7         | 142.5                 | GGGF                |                      | 194                   | 21                   |
| 03508E                      | 4714N             | 2630-07393            | 02000/0000           | 2-20034/0693     | 10/13/76            | 90              | 8779         | 30.1         | 149.4                 | GGGF                |                      | 191                   | 27                   |
| 03507E                      | 5552N             | 2561-07562            | 02000/0000           | 2-20030/0831     | 05/05/76            | 20              | 7817         | 45.9         | 141.2                 | GGGF                |                      | 194                   | 21                   |
| 03507E                      | 0125N             | 2387-07081            | 02000/0000           | 2-20020/1362     | 02/13/76            | 20              | 5390         | 46.4         | 111.5                 | GGGF                |                      | 182                   | 59                   |
| 03507E                      | 0124N             | 2369-07033            | 02000/0000           | 2-20020/0314     | 01/26/76            | 10              | 5139         | 45.1         | 118.9                 | GGGF                |                      | 182                   | 59                   |
| 03506E                      | 5020N             | 2577-07460            | 02000/0000           | 2-20033/1674     | 08/21/76            | 50              | 8040         | 44.9         | 137.9                 | GGGF                |                      | 192                   | 25                   |
| 03505E                      | 6004N             | 2473-08085            | 02000/0000           | 2-20024/1613     | 05/09/76            | 20              | 6590         | 44.6         | 150.4                 | GGGF                |                      | 196                   | 18                   |
| 03505E                      | 5307N             | 2470-07535            | 02000/0000           | 2-20024/1744     | 05/06/76            | 70              | 6548         | 48.4         | 141.6                 | GGGF                |                      | 193                   | 23                   |
| 03505E                      | 5016N             | 2559-07463            | 02000/0000           | 2-20030/0758     | 08/03/76            | 100             | 7789         | 49.5         | 133.3                 | GGGF                |                      | 192                   | 25                   |
| 03505E                      | 3011N             | 2374-07245            | 02000/0000           | 2-20020/0720     | 01/31/76            | 20              | 5209         | 31.0         | 139.2                 | GGGF                |                      | 187                   | 39                   |
| 03504E                      | 5544N             | 2525-07572            | 02000/0000           | 2-20028/0404     | 06/30/76            | 90              | 7315         | 52.1         | 138.4                 | GGGF                |                      | 194                   | 21                   |
| 03504E                      | 5543N             | 2507-07575            | 02000/0000           | 2-20026/1513     | 06/12/76            | 70              | 7064         | 52.5         | 139.8                 | GGGF                |                      | 194                   | 21                   |
| 03504E                      | 5311N             | 2578-07505            | 02000/0000           | 2-20030/1742     | 08/22/76            | 10              | 8054         | 42.9         | 141.4                 | GGGF                |                      | 193                   | 23                   |
| 03504E                      | 5012N             | 2487-07483            | 02000/0000           | 2-20026/1107     | 05/23/76            | 40              | 6785         | 53.6         | 134.6                 | GGGF                |                      | 192                   | 25                   |
| 03503E                      | 6008N             | 2581-08060            | 02000/0000           | 2-20032/0095     | 08/25/76            | 50              | 8096         | 37.4         | 150.0                 | GGGF                |                      | 196                   | 18                   |
| 03503E                      | 5547N             | 2615-07545            | 02000/0000           | 2-20034/0016     | 09/28/76            | 100             | 8570         | 28.9         | 152.6                 | GGGF                |                      | 194                   | 21                   |
| 03503E                      | 5543N             | 2543-07565            | 02000/0000           | 2-20028/1335     | 07/18/76            | 60              | 7566         | 49.8         | 138.8                 | GGGF                |                      | 194                   | 21                   |
| 03503E                      | 5540N             | 2651-07533            | 02000/0000           | 2-20035/0501     | 11/03/76            | 100             | 9072         | 16.7         | 157.4                 | GGGF                |                      | 194                   | 21                   |
| 03503E                      | 5306N             | 2434-07545            | 02000/0000           | 2-20022/1087     | 03/31/76            | 90              | 6046         | 36.3         | 145.6                 | GGGF                |                      | 193                   | 23                   |
| 03502E                      | 5543N             | 2399-08005            | 02000/0000           | 2-20021/0699     | 02/25/76            | 10              | 5558         | 20.9         | 150.4                 | GGGF                |                      | 194                   | 21                   |
| 03502E                      | 5541N             | 2633-07541            | 02000/0000           | 2-20034/0863     | 10/16/76            | 80              | 8821         | 22.6         | 155.6                 | GGGF                |                      | 194                   | 21                   |
| 03502E                      | 5303N             | 2550-07513            | 02000/0000           | 2-20030/0695     | 08/04/76            | 70              | 7803         | 47.8         | 137.3                 | GGGF                |                      | 193                   | 23                   |
| 03501E                      | 5531N             | 2331-07501            | 02000/0000           | 2-20020/1161     | 02/07/76            | 0               | 5307         | 15.1         | 151.9                 | GGGF                |                      | 194                   | 21                   |
| 03501E                      | 5306N             | 2596-07502            | 02000/0000           | 2-20032/0737     | 09/09/76            | 40              | 8305         | 37.4         | 145.9                 | GGGF                |                      | 193                   | 23                   |
| 03501E                      | 5012N             | 2685-07422            | 02000/0000           | 2-20037/0378     | 12/07/76            | 30              | 9546         | 13.3         | 154.4                 | FFGF                |                      | 192                   | 25                   |
| 03501E                      | 5005N             | 2535-07480            | 02000/0000           | 2-20024/1296     | 06/10/76            | 90              | 7036         | 55.4         | 131.2                 | GGGF                |                      | 192                   | 25                   |
| 03501E                      | 0711N             | 2370-07124            | 02000/0000           | 2-20020/0451     | 01/27/76            | 30              | 5153         | 42.9         | 123.9                 | FFGF                |                      | 183                   | 55                   |
| 03500E                      | 6002N             | 2599-08052            | 02000/0000           | 2-20032/1096     | 09/12/76            | 50              | 8347         | 31.4         | 153.3                 | GGGF                |                      | 196                   | 18                   |
| 03500E                      | 5300N             | 2448-07532            | 02000/0000           | 2-20025/1160     | 05/24/76            | 30              | 6799         | 52.2         | 138.6                 | GGGF                |                      | 193                   | 23                   |
| 03500E                      | 5012N             | 2613-07450            | 02000/0000           | 2-20034/0096     | 09/26/76            | 90              | 8542         | 33.7         | 147.6                 | GGGF                |                      | 192                   | 25                   |
| 03500E                      | 5008N             | 2631-07443            | 02000/0000           | 2-20034/0724     | 10/14/76            | 100             | 8793         | 27.6         | 151.5                 | GGGF                |                      | 192                   | 25                   |
| 03500E                      | 5007N             | 2657-07430            | 02000/0000           | 2-20036/1062     | 11/19/76            | 100             | 9295         | 16.8         | 154.9                 | GGGF                |                      | 192                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

32144 APR 22, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR 10N-10S

PAGE 1118

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | ELEVATION<br>ID | MICROFILM<br>POSITION<br>RBV | FILE NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-----------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03459E                                  | 5343N           | 2614-07445                   | 00000/0000                  | 2-20034/0033     | 09/27/76            | 80              | 8556         | 31.3         | 150.1                              |                     |                      |                       |                      |
| 03459E                                  | 5258N           | 2416-07552                   | 00000/0000                  | 2-20021/1526     | 03/13/76            | 20              | 5795         | 29.3         | 147.0                              | GGGG                |                      | 193                   | 23                   |
| 03459E                                  | 5026N           | 2649-07435                   | 00000/0000                  | 2-20035/0456     | 11/01/76            | 80              | 9044         | 21.8         | 154.0                              | GFFG                |                      | 193                   | 23                   |
| 03458E                                  | 6021N           | 2563-07553                   | 00000/0000                  | 2-20033/0706     | 08/07/76            | 90              | 7845         | 42.8         | 146.9                              | GGGG                |                      | 192                   | 25                   |
| 03458E                                  | 5034N           | 2523-07474                   | 00000/0000                  | 2-20028/0328     | 06/28/76            | 10              | 7287         | 55.1         | 129.6                              | GFFG                |                      | 196                   | 18                   |
| 03457E                                  | 5257N           | 2542-07523                   | 00000/0000                  | 2-20028/1662     | 07/17/76            | 70              | 7552         | 51.4         | 134.6                              | GGGG                |                      | 192                   | 25                   |
| 03456E                                  | 5255N           | 2524-07523                   | 00000/0000                  | 2-20028/0282     | 06/29/76            | 40              | 7301         | 53.7         | 134.0                              | GGGG                |                      | 193                   | 23                   |
| 03456E                                  | 5253N           | 2506-07530                   | 00000/0000                  | 2-20026/1339     | 06/11/76            | 80              | 7050         | 54.0         | 135.5                              | GGGG                |                      | 193                   | 23                   |
| 03455E                                  | 5953N           | 2527-08073                   | 00000/0000                  | 2-20028/0680     | 07/02/76            | 90              | 7343         | 49.5         | 144.7                              | GGGG                |                      | 193                   | 23                   |
| 03455E                                  | 5257N           | 2632-07492                   | 00000/0000                  | 2-20034/0816     | 10/15/76            | 10              | 8807         | 25.1         | 153.5                              | GGGF                |                      | 196                   | 18                   |
| 03455E                                  | 5244N           | 2300-07522                   | 00000/0000                  | 2-20020/1042     | 02/06/76            | 10              | 5293         | 16.8         | 150.4                              | GGGG                |                      | 193                   | 23                   |
| 03454E                                  | 5255N           | 2668-07440                   | 00000/0000                  | 2-20036/1091     | 11/20/76            | 80              | 9309         | 14.3         | 156.3                              | GGG                 |                      | 193                   | 23                   |
| 03454E                                  | 5253N           | 2650-07434                   | 00000/0000                  | 2-20035/0458     | 11/02/76            | 70              | 9058         | 19.3         | 155.7                              | GGGG                |                      | 193                   | 23                   |
| 03453E                                  | 5950N           | 2509-08040                   | 00000/0000                  | 2-20027/0188     | 06/14/76            | 90              | 7092         | 50.0         | 148.0                              | GGGG                |                      | 193                   | 23                   |
| 03453E                                  | 5253N           | 2398-07560                   | 00000/0000                  | 2-20021/0600     | 02/24/76            | 10              | 5544         | 22.6         | 148.5                              | GGGG                |                      | 196                   | 18                   |
| 03451E                                  | 5952N           | 2545-08070                   | 00000/0000                  | 2-20029/0126     | 07/20/76            | 10              | 7594         | 47.0         | 144.9                              | GGGG                |                      | 193                   | 23                   |
| 03447E                                  | 4607N           | 2450-07450                   | 00000/0000                  | 2-20029/0284     | 04/16/76            | 100             | 6269         | 46.5         | 136.4                              | GGGG                |                      | 196                   | 18                   |
| 03447E                                  | 0001S           | 2369-07090                   | 00000/0000                  | 2-20020/0315     | 01/26/76            | 10              | 5139         | 45.6         | 117.5                              | GFFG                |                      | 191                   | 28                   |
| 03447E                                  | 0001S           | 2367-07094                   | 00000/0000                  | 2-20020/1363     | 02/13/76            | 10              | 5390         | 46.7         | 110.0                              | GGFG                |                      | 182                   | 60                   |
| 03446E                                  | 5132N           | 2456-08144                   | 00000/0000                  | 2-20024/0446     | 04/22/76            | 20              | 6353         | 36.4         | 153.4                              | GGGG                |                      | 182                   | 60                   |
| 03446E                                  | 4606N           | 2458-07442                   | 00000/0000                  | 2-20024/1359     | 05/04/76            | 70              | 6520         | 51.8         | 132.7                              | GGGG                |                      | 197                   | 17                   |
| 03445E                                  | 7752N           | 2450-10102                   | 00000/0000                  | 2-20024/0593     | 04/26/76            | 20              | 6410         | 25.6         | 190.2                              | GGGF                |                      | 191                   | 28                   |
| 03443E                                  | 5726N           | 2454-08042                   | 00000/0000                  | 2-20024/0143     | 04/20/76            | 30              | 6325         | 40.7         | 148.6                              | GGGG                |                      | 218                   | 4                    |
| 03443E                                  | 4604N           | 2720-07352                   | 00000/0000                  | 2-20032/1309     | 01/11/77            | 80              | 34           | 15.8         | 148.2                              | GGGG                |                      | 195                   | 20                   |
| 03443E                                  | 4603N           | 2432-07452                   | 00000/0000                  | 2-20022/0864     | 03/29/76            | 50              | 6018         | 40.0         | 139.3                              | GGGG                |                      | 191                   | 28                   |
| 03442E                                  | 5128N           | 2474-08141                   | 00000/0000                  | 2-20025/0104     | 05/10/76            | 10              | 6604         | 43.8         | 152.2                              | GGGG                |                      | 191                   | 28                   |
| 03442E                                  | 4607N           | 2576-07412                   | 00000/0000                  | 2-20032/0062     | 08/20/76            | 40              | 8026         | 47.5         | 132.6                              | GGGG                |                      | 197                   | 17                   |
| 03442E                                  | 4603N           | 2702-07371                   | 00000/0000                  | 2-20037/1284     | 12/24/76            | 90              | 9783         | 15.1         | 150.8                              | GGGG                |                      | 191                   | 28                   |
| 03442E                                  | 4559N           | 2456-07440                   | 00000/0000                  | 2-20025/1057     | 05/22/76            | 10              | 6771         | 55.5         | 128.3                              | GGGF                |                      | 191                   | 28                   |
| 03441E                                  | 5719N           | 2472-08040                   | 00000/0000                  | 2-20025/0038     | 05/05/76            | 70              | 6576         | 46.2         | 146.8                              | FFFG                |                      | 191                   | 28                   |
| 03441E                                  | 4604N           | 2594-07410                   | 00000/0000                  | 2-20032/0994     | 09/07/76            | 90              | 8277         | 42.5         | 138.4                              | GGGG                |                      | 195                   | 20                   |
| 03441E                                  | 2845N           | 2374-07201                   | 00000/0000                  | 2-20020/0721     | 01/31/76            | 10              | 5209         | 31.9         | 138.4                              | GGGG                |                      | 191                   | 28                   |
| 03441E                                  | 5544N           | 2370-07130                   | 00000/0000                  | 2-20020/0452     | 01/27/76            | 10              | 5153         | 43.5         | 122.6                              | GGGG                |                      | 187                   | 40                   |
| 03441E                                  | 5542N           | 2368-07124                   | 00000/0000                  | 2-20020/1553     | 02/14/76            | 30              | 5404         | 45.4         | 115.5                              | GGGG                |                      | 183                   | 56                   |
| 03440E                                  | 4559N           | 2612-07402                   | 00000/0000                  | 2-20032/1866     | 09/25/76            | 10              | 8523         | 37.0         | 144.0                              | GGGG                |                      | 183                   | 56                   |
|                                         |                 |                              |                             |                  |                     |                 |              |              |                                    |                     |                      | 191                   | 28                   |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODF ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 24, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NADUS  
FROM 1/22/76 TO 01/22/77

PAGE 1119

| PRINCIPAL POINT<br>OF IMAGE | SSEERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSC | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03438E                      | 78464             | 2454-10374                   | 00000/0000                  | 2-20024/1210     | 04/30/76            | 40              | 6466         | 25.7         | 196.0                              | GGGG                |                      | 222                   | 3                    |
| 03438E                      | 57204             | 2436-08050                   | 00000/0000                  | 2-20022/1152     | 04/02/76            | 70              | 6074         | 34.1         | 149.6                              | FGGG                |                      | 195                   | 20                   |
| 03438E                      | 45584             | 2694-07375                   | 00000/0000                  | 2-20037/0404     | 12/06/76            | 100             | 9532         | 16.7         | 152.5                              | GGGG                |                      | 191                   | 28                   |
| 03438E                      | 45554             | 2540-07424                   | 00000/0000                  | 2-20028/1394     | 07/15/76            | 50              | 7524         | 54.8         | 123.5                              | GGGG                |                      | 191                   | 23                   |
| 03438E                      | 45524             | 2524-07434                   | 00000/0000                  | 2-20026/1109     | 06/09/76            | 90              | 7022         | 57.1         | 124.3                              | GGGG                |                      | 191                   | 28                   |
| 03437E                      | 61294             | 2582-08114                   | 00000/0000                  | 2-20032/0076     | 08/26/76            | 70              | 8110         | 36.2         | 151.8                              | GGGG                |                      | 197                   | 17                   |
| 03437E                      | 57244             | 2560-08010                   | 00000/0000                  | 2-20030/1766     | 08/24/76            | 100             | 8082         | 39.6         | 146.6                              | GGGG                |                      | 195                   | 20                   |
| 03437E                      | 45554             | 2414-07464                   | 00000/0000                  | 2-20021/1454     | 03/11/76            | 10              | 5767         | 33.2         | 141.8                              | GGGG                |                      | 191                   | 28                   |
| 03437E                      | 45544             | 2396-07464                   | 00000/0000                  | 2-20021/0416     | 02/22/76            | 80              | 5516         | 26.7         | 144.3                              | GFGG                |                      | 191                   | 28                   |
| 03437E                      | 45514             | 2522-07431                   | 00000/0000                  | 2-20028/0166     | 06/27/76            | 10              | 7273         | 56.8         | 122.4                              | GGGG                |                      | 191                   | 28                   |
| 03436E                      | 45534             | 2666-07344                   | 00000/0000                  | 2-20034/0914     | 11/15/76            | 90              | 9281         | 20.4         | 152.9                              | GGGG                |                      | 191                   | 28                   |
| 03436E                      | 45524             | 2648-07394                   | 00000/0000                  | 2-20035/0367     | 10/31/76            | 90              | 9030         | 25.4         | 151.5                              | GFGG                |                      | 191                   | 28                   |
| 03436E                      | 45464             | 2378-07471                   | 00000/0000                  | 2-20022/0986     | 02/04/76            | 70              | 5265         | 21.4         | 146.9                              | GGGG                |                      | 191                   | 28                   |
| 03434E                      | 79304             | 2456-10594                   | 00000/0000                  | 2-20025/1062     | 05/22/76            | 80              | 6773         | 30.3         | 202.4                              | GGGG                |                      | 226                   | 2                    |
| 03434E                      | 61254             | 2564-08114                   | 00000/0000                  | 2-20032/0235     | 05/08/76            | 50              | 7859         | 41.6         | 148.9                              | GGGG                |                      | 197                   | 17                   |
| 03434E                      | 48594             | 2451-07495                   | 00000/0000                  | 2-20023/0480     | 04/17/76            | 50              | 6283         | 45.1         | 139.5                              | GGGG                |                      | 192                   | 26                   |
| 03434E                      | 45484             | 2630-07400                   | 00000/0000                  | 2-20034/0694     | 10/13/76            | 80              | 8779         | 31.2         | 148.4                              | GGGG                |                      | 191                   | 28                   |
| 03433E                      | 57184             | 2598-08003                   | 00000/0000                  | 2-20032/1144     | 09/11/76            | 80              | 8333         | 33.8         | 150.4                              | GGGG                |                      | 195                   | 20                   |
| 03433E                      | 48574             | 2469-07493                   | 00000/0000                  | 2-20024/1479     | 05/05/76            | 90              | 6534         | 50.6         | 136.4                              | FFFF                |                      | 192                   | 26                   |
| 03431E                      | 80094             | 2491-11275                   | 00000/0000                  | 2-20024/0349     | 05/27/76            | 90              | 6843         | 30.0         | 209.6                              | GGGG                |                      | 231                   | 1                    |
| 03431E                      | 57114             | 2418-08054                   | 00000/0000                  | 2-20021/1679     | 03/15/76            | 20              | 5823         | 27.1         | 150.3                              | GGGG                |                      | 195                   | 20                   |
| 03429E                      | 57134             | 2616-08060                   | 00000/0000                  | 2-20034/0140     | 09/29/76            | 10              | 8584         | 27.5         | 153.9                              | GGGG                |                      | 195                   | 20                   |
| 03428E                      | 61164             | 2546-08122                   | 00000/0000                  | 2-20024/1702     | 07/21/76            | 10              | 7608         | 45.9         | 147.1                              | GGGG                |                      | 197                   | 17                   |
| 03428E                      | 57064             | 2526-08024                   | 00000/0000                  | 2-20028/0256     | 07/01/76            | 70              | 7329         | 51.2         | 140.4                              | GGGG                |                      | 195                   | 20                   |
| 03428E                      | 48544             | 2433-07542                   | 00000/0000                  | 2-20022/1079     | 03/30/76            | 40              | 6032         | 38.6         | 141.9                              | GGGG                |                      | 192                   | 26                   |
| 03427E                      | 51144             | 2510-08132                   | 00000/0000                  | 2-20026/1538     | 06/15/76            | 50              | 7106         | 49.1         | 148.1                              | GFGG                |                      | 197                   | 17                   |
| 03427E                      | 45374             | 2453-07594                   | 00000/0000                  | 2-20024/0112     | 04/18/76            | 10              | 6311         | 42.3         | 145.5                              | GGGG                |                      | 194                   | 22                   |
| 03427E                      | 51474             | 2452-07544                   | 00000/0000                  | 2-20024/0122     | 04/18/76            | 0               | 6297         | 43.8         | 142.5                              | GGGG                |                      | 193                   | 24                   |
| 03427E                      | 48554             | 2577-07453                   | 00000/0000                  | 2-20030/1675     | 08/21/76            | 50              | 8040         | 45.7         | 136.3                              | GGGG                |                      | 192                   | 26                   |
| 03427E                      | 48544             | 2721-07412                   | 00000/0000                  | 2-20038/1373     | 01/12/77            | 20              | 48           | 13.8         | 149.3                              | FGGG                |                      | 192                   | 26                   |
| 03427E                      | 48524             | 2703-07420                   | 00000/0000                  | 2-20037/1322     | 12/25/76            | 90              | 9797         | 12.9         | 151.9                              | GGGG                |                      | 192                   | 26                   |
| 03427E                      | 45514             | 2559-07470                   | 00000/0000                  | 2-20030/0759     | 08/03/76            | 90              | 7789         | 50.2         | 131.4                              | GGGG                |                      | 192                   | 26                   |
| 03427E                      | 01265             | 2357-07090                   | 00000/0000                  | 2-20020/1439     | 02/13/76            | 40              | 5390         | 46.9         | 108.5                              | GGGG                |                      | 182                   | 61                   |
| 03427E                      | 01285             | 2369-07092                   | 00000/0000                  | 2-20020/0316     | 01/26/76            | 10              | 5139         | 46.0         | 116.1                              | GGGG                |                      | 182                   | 61                   |
| 03426E                      | 61144             | 2528-08125                   | 00000/0000                  | 2-20028/0611     | 07/03/76            | 50              | 7357         | 48.5         | 146.8                              | GGGG                |                      | 197                   | 17                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING

FOR MSN=115

FROM 1/22/76 TO 11/22/77

PAGE 1120

| PRINCIPAL PRIN-<br>SF IMAGE<br>LONG LAT | RESOLUTION<br>10 | MICROFILM<br>POSITION IN REEL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|------------------|------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03426E                                  | 5708N            | 2544-08021                               | 00000/0000       | 2-20029/0034        | 07/19/76        | 100          | 7580         | 48.8                               | 140.9               |                      |                       |                      |
| 03426E                                  | 5705N            | 2538-08031                               | 00000/0000       | 2-20026/1423        | 06/13/76        | 90           | 7078         | 51.7                               | 141.8               | GGGG                 | 195                   | 20                   |
| 03426E                                  | 4847N            | 2437-07485                               | 00000/0000       | 2-20026/1108        | 05/23/76        | 30           | 6785         | 54.3                               | 132.5               | GGGG                 | 195                   | 20                   |
| 03425E                                  | 5705N            | 2430-08031                               | 00000/0000       | 2-20021/0717        | 02/26/76        | 100          | 5572         | 20.3                               | 151.3               | GGGG                 | 192                   | 26                   |
| 03425E                                  | 5430N            | 2471-07531                               | 00000/0000       | 2-20024/1673        | 05/07/76        | 90           | 6562         | 47.8                               | 143.3               | GGGG                 | 195                   | 20                   |
| 03423E                                  | 5653N            | 2332-08034                               | 00000/0000       | 2-20020/1054        | 02/08/76        | 90           | 5321         | 14.3                               | 152.7               | GGGG                 | 194                   | 22                   |
| 03423E                                  | 5431N            | 2435-08031                               | 00000/0000       | 2-20027/1718        | 04/01/76        | 50           | 6060         | 35.7                               | 146.9               | GGGG                 | 195                   | 20                   |
| 03423E                                  | 5145N            | 2704-07465                               | 00000/0000       | 2-20032/0336        | 12/26/76        | 30           | 9811         | 10.7                               | 153.1               | GGGG                 | 194                   | 22                   |
| 03423E                                  | 4847N            | 2045-07424                               | 00000/0000       | 2-20037/0379        | 12/07/76        | 90           | 9546         | 14.4                               | 153.7               | GGGG                 | 193                   | 24                   |
| 03423E                                  | 4846N            | 2015-07510                               | 00000/0000       | 2-20027/0091        | 03/12/76        | 10           | 5781         | 31.7                               | 143.8               | GGGG                 | 192                   | 26                   |
| 03423E                                  | 4441N            | 2397-07513                               | 00000/0000       | 2-20021/0420        | 02/23/76        | 10           | 5530         | 25.1                               | 145.9               | GGGG                 | 192                   | 26                   |
| 03423E                                  | 4841N            | 2505-07463                               | 00000/0000       | 2-20026/1237        | 06/10/76        | 90           | 7036         | 56.0                               | 128.9               | GGGG                 | 192                   | 26                   |
| 03423E                                  | 4832N            | 2379-07520                               | 00000/0000       | 2-20020/1034        | 02/05/76        | 80           | 5279         | 19.6                               | 148.2               | GGGG                 | 192                   | 26                   |
| 03422E                                  | 5432N            | 2537-07554                               | 00000/0000       | 2-20032/1081        | 09/10/76        | 10           | 8319         | 36.1                               | 147.5               | GGGG                 | 192                   | 26                   |
| 03422E                                  | 5147N            | 2578-07512                               | 00000/0000       | 2-20030/1743        | 08/22/76        | 30           | 8054         | 43.8                               | 139.8               | GGGG                 | 194                   | 22                   |
| 03422E                                  | 5142N            | 2470-07541                               | 00000/0000       | 2-20024/1745        | 05/06/76        | 70           | 6548         | 49.2                               | 139.8               | GGGG                 | 193                   | 24                   |
| 03422E                                  | 4843N            | 2541-07473                               | 00000/0000       | 2-20028/1579        | 07/16/76        | 90           | 7538         | 53.6                               | 128.1               | GGGG                 | 193                   | 24                   |
| 03422E                                  | 4843N            | 2631-07445                               | 00000/0000       | 2-20034/0725        | 10/14/76        | 90           | 8793         | 28.7                               | 150.5               | GGGG                 | 192                   | 26                   |
| 03422E                                  | 4843N            | 2647-07433                               | 00000/0000       | 2-20034/1063        | 11/19/76        | 100          | 3295         | 17.9                               | 154.2               | GGGG                 | 192                   | 26                   |
| 03421E                                  | 5423N            | 2449-07544                               | 00000/0000       | 2-20026/0183        | 05/25/76        | 10           | 6813         | 51.6                               | 140.5               | GGGG                 | 192                   | 26                   |
| 03421E                                  | 4847N            | 2013-07442                               | 00000/0000       | 2-20034/0097        | 09/26/76        | 90           | 8542         | 34.7                               | 146.5               | GGGG                 | 194                   | 22                   |
| 03421E                                  | 4842N            | 2049-07441                               | 00000/0000       | 2-20035/0457        | 11/01/76        | 50           | 9044         | 22.9                               | 153.2               | GGGG                 | 192                   | 26                   |
| 03421E                                  | 0418N            | 2370-07133                               | 00000/0000       | 2-20020/0453        | 01/27/76        | 10           | 5153         | 44.1                               | 121.3               | GGGG                 | 192                   | 26                   |
| 03421E                                  | 0415N            | 2358-07130                               | 00000/0000       | 2-20020/1554        | 02/14/76        | 10           | 5404         | 45.8                               | 114.0               | GGGG                 | 183                   | 57                   |
| 03420E                                  | 5428N            | 2561-07554                               | 00000/0000       | 2-20030/0832        | 08/05/76        | 40           | 7817         | 46.7                               | 139.3               | GGGG                 | 183                   | 57                   |
| 03420E                                  | 5142N            | 2434-07552                               | 00000/0000       | 2-20022/1035        | 03/31/76        | 100          | 6046         | 37.2                               | 144.3               | GGGG                 | 194                   | 22                   |
| 03420E                                  | 5139N            | 2560-07515                               | 00000/0000       | 2-20030/0696        | 08/04/76        | 50           | 7803         | 48.5                               | 135.4               | GGGG                 | 193                   | 24                   |
| 03420E                                  | 4839N            | 2523-07440                               | 00000/0000       | 2-20025/0329        | 06/28/76        | 10           | 7287         | 55.7                               | 127.1               | GGGG                 | 193                   | 24                   |
| 03419E                                  | 5142N            | 2596-07555                               | 00000/0000       | 2-20032/0738        | 09/09/76        | 10           | 8305         | 38.4                               | 144.5               | GGGG                 | 192                   | 26                   |
| 03419E                                  | 5140N            | 2686-07472                               | 00000/0000       | 2-20037/0568        | 12/08/76        | 100          | 9560         | 12.0                               | 154.9               | GGGG                 | 193                   | 24                   |
| 03418E                                  | 5135N            | 2488-07535                               | 00000/0000       | 2-20025/1161        | 05/24/76        | 30           | 6799         | 53.0                               | 136.5               | GGGG                 | 193                   | 24                   |
| 03418E                                  | 2719N            | 2374-07294                               | 00000/0000       | 2-20020/0722        | 01/31/76        | 20           | 5209         | 32.8                               | 137.5               | GGGG                 | 193                   | 24                   |
| 03417E                                  | 5656N            | 2460-08355                               | 00000/0000       | 2-20024/0854        | 04/26/76        | 40           | 6409         | 35.6                               | 160.7               | GGGG                 | 187                   | 41                   |
| 03417E                                  | 5419N            | 2507-07561                               | 00000/0000       | 2-20024/1514        | 06/12/76        | 60           | 7064         | 53.3                               | 137.7               | GGGG                 | 201                   | 13                   |
| 03416E                                  | 5422N            | 2417-08004                               | 00000/0000       | 2-20021/1621        | 03/14/76        | 0            | 5809         | 28.7                               | 148.0               | GGGG                 | 194                   | 22                   |

KEYS: CLOUD COVER % ..... U TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN. H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 03416E 5417N                | 2651-07540        | 00000/0000 2-20035/0502                 | 11/03/76         | 100                 | 9072            | 17.8         | 156.5        | GGGG                  |                     |                      | 194                   | 22                   |
| 03416E 5138N                | 2614-07502        | 00000/0000 2-20034/0034                 | 09/27/76         | 90                  | 8556            | 32.3         | 149.0        | GGGG                  |                     |                      | 193                   | 24                   |
| 03416E 5134N                | 2416-07555        | 00000/0000 2-20021/1527                 | 03/13/76         | 10                  | 5795            | 30.3         | 145.9        | GGGF                  |                     |                      | 193                   | 24                   |
| 03415E 5423N                | 2615-07551        | 00000/0000 2-20034/0017                 | 09/28/76         | 90                  | 8570            | 30.0         | 151.4        | GGGG                  |                     |                      | 194                   | 22                   |
| 03415E 5420N                | 2543-07572        | 00000/0000 2-20028/1336                 | 07/18/76         | 50                  | 7566            | 50.6         | 136.7        | GGGG                  |                     |                      | 194                   | 22                   |
| 03415E 5133N                | 2542-07522        | 00000/0000 2-20028/1663                 | 07/17/76         | 60                  | 7552            | 52.1         | 132.5        | GGGG                  |                     |                      | 193                   | 24                   |
| 03414E 5419N                | 2399-08012        | 00000/0000 2-20021/0700                 | 02/25/76         | 10                  | 5558            | 21.9         | 149.4        | GGGG                  |                     |                      | 194                   | 22                   |
| 03414E 5417N                | 2633-07544        | 00000/0000 2-20034/0864                 | 10/16/76         | 60                  | 8821            | 23.7         | 154.6        | GGGG                  |                     |                      | 194                   | 22                   |
| 03414E 5407N                | 2381-08015        | 00000/0000 2-20020/1162                 | 02/07/76         | 0                   | 5307            | 16.1         | 151.1        | GGGG                  |                     |                      | 194                   | 22                   |
| 03414E 5130N                | 2524-07525        | 00000/0000 2-20028/0283                 | 06/29/76         | 20                  | 7301            | 54.3         | 131.7        | GGGG                  |                     |                      | 193                   | 24                   |
| 03413E 5132N                | 2632-07494        | 00000/0000 2-20034/0817                 | 10/15/76         | 30                  | 8807            | 26.2         | 152.6        | FGGG                  |                     |                      | 193                   | 24                   |
| 03413E 5129N                | 2506-07532        | 00000/0000 2-20026/1340                 | 06/11/76         | 70                  | 7050            | 54.7         | 133.3        | GGGG                  |                     |                      | 193                   | 24                   |
| 03413E 4441N                | 2450-07452        | 00000/0000 2-20023/0285                 | 04/16/76         | 90                  | 6269            | 47.3         | 124.8        | FGGG                  |                     |                      | 191                   | 29                   |
| 03412E 5121N                | 2380-07565        | 00000/0000 2-20020/1083                 | 02/06/76         | 20                  | 5293            | 17.9         | 149.6        | GGGG                  |                     |                      | 193                   | 24                   |
| 03412E 4441N                | 2468-07445        | 00000/0000 2-20024/1360                 | 05/04/76         | 90                  | 6520            | 52.5         | 130.7        | FGFG                  |                     |                      | 191                   | 29                   |
| 03411E 5131N                | 2668-07482        | 00000/0000 2-20036/1092                 | 11/20/76         | 90                  | 9309            | 15.4         | 155.6        | FGGG                  |                     |                      | 193                   | 24                   |
| 03411E 5129N                | 2650-07490        | 00000/0000 2-20035/0469                 | 11/02/76         | 20                  | 9058            | 20.4         | 154.8        | GGGG                  |                     |                      | 193                   | 24                   |
| 03410E 5129N                | 2398-07562        | 00000/0000 2-20021/0601                 | 02/24/76         | 10                  | 5544            | 23.5         | 147.6        | GGGG                  |                     |                      | 193                   | 24                   |
| 03410E 4438N                | 2432-07460        | 00000/0000 2-20022/0865                 | 03/29/76         | 80                  | 6018            | 40.9         | 138.0        | GGGG                  |                     |                      | 191                   | 29                   |
| 03410E 3145N                | 2555-07291        | 00000/0000 2-20030/0455                 | 07/30/76         | 10                  | 7733            | 55.8         | 104.4        | GGFG                  |                     |                      | 188                   | 38                   |
| 03409E 4438N                | 2720-07365        | 00000/0000 2-20038/1310                 | 01/11/77         | 20                  | 34              | 16.8         | 147.6        | PGFG                  |                     |                      | 191                   | 29                   |
| 03409E 3141N                | 2537-07294        | 00000/0000 2-20028/1229                 | 07/12/76         | 40                  | 7482            | 57.7         | 98.9         | FGGG                  |                     |                      | 188                   | 38                   |
| 03408E 4441N                | 2576-07420        | 00000/0000 2-20032/0063                 | 08/20/76         | 30                  | 8026            | 48.2         | 130.9        | GGGG                  |                     |                      | 191                   | 29                   |
| 03408E 4439N                | 2594-07413        | 00000/0000 2-20032/0995                 | 09/07/76         | 90                  | 8277            | 43.4         | 137.0        | FGGG                  |                     |                      | 191                   | 29                   |
| 03408E 4438N                | 2702-07373        | 00000/0000 2-20037/1285                 | 12/24/76         | 80                  | 9783            | 16.2         | 150.2        | GGGG                  |                     |                      | 191                   | 29                   |
| 03408E 4433N                | 2486-07443        | 00000/0000 2-20025/1058                 | 05/22/76         | 10                  | 6771            | 56.1         | 126.0        | FGGG                  |                     |                      | 191                   | 29                   |
| 03407E 5844N                | 2455-08095        | 00000/0000 2-20024/0259                 | 04/21/76         | 90                  | 6339            | 40.1         | 150.1        | GGGG                  |                     |                      | 196                   | 19                   |
| 03406E 4434N                | 2612-07410        | 00000/0000 2-20032/1867                 | 09/25/76         | 10                  | 8523            | 37.9         | 142.8        | GGGG                  |                     |                      | 191                   | 29                   |
| 03405E 5844N                | 2437-08102        | 00000/0000 2-20022/1156                 | 04/03/76         | 100                 | 6088            | 33.5         | 151.0        | FGGG                  |                     |                      | 196                   | 19                   |
| 03405E 5841N                | 2473-08092        | 00000/0000 2-20024/1614                 | 05/09/76         | 10                  | 6590            | 45.5         | 148.5        | GGGG                  |                     |                      | 191                   | 29                   |
| 03405E 4433N                | 2684-07382        | 00000/0000 2-20037/0405                 | 12/06/76         | 100                 | 9532            | 17.8         | 151.9        | GGGG                  |                     |                      | 191                   | 29                   |
| 03405E 4429N                | 2540-07430        | 00000/0000 2-20028/1395                 | 07/15/76         | 30                  | 7524            | 55.3         | 121.2        | GGGF                  |                     |                      | 191                   | 29                   |
| 03405E 4427N                | 2504-07440        | 00000/0000 2-20026/1110                 | 06/09/76         | 40                  | 7022            | 57.6         | 121.8        | FGGG                  |                     |                      | 191                   | 29                   |
| 03404E 4434N                | 2558-07423        | 00000/0000 2-20030/0735                 | 08/02/76         | 10                  | 7775            | 52.2         | 125.2        | GGGG                  |                     |                      | 191                   | 29                   |
| 03404E 4429N                | 2396-07470        | 00000/0000 2-20021/0417                 | 02/22/76         | 90                  | 5516            | 27.7         | 143.4        | GGGG                  |                     |                      | 191                   | 29                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03404E 4426N                            | 2522-07433        | 00000/0000 2-20028/0167                            | 06/27/76         | 10                  | 7273            | 57.2         | 120.0        | GGGG                               |                     |                      | 191                   | 29                   |
| 03403E 4430N                            | 2414-07463        | 00000/0000 2-20021/1455                            | 03/11/76         | 10                  | 5767            | 34.1         | 140.7        | GGGG                               |                     |                      | 191                   | 29                   |
| 03403E 4428N                            | 2666-07390        | 00000/0000 2-20036/0915                            | 11/18/76         | 80                  | 9281            | 21.5         | 152.2        | GGGG                               |                     |                      | 191                   | 29                   |
| 03403E 4420N                            | 2378-07473        | 00000/0000 2-20020/0987                            | 02/04/76         | 30                  | 5265            | 22.4         | 146.1        | GGGG                               |                     |                      | 191                   | 29                   |
| 03402E 5834N                            | 2491-08085        | 00000/0000 2-20026/0336                            | 05/27/76         | 90                  | 6841            | 49.3         | 146.3        | FFGF                               |                     |                      | 191                   | 29                   |
| 03402E 4427N                            | 2648-07394        | 00000/0000 2-20035/0368                            | 10/31/76         | 90                  | 9030            | 26.5         | 150.7        | GGGG                               |                     |                      | 191                   | 29                   |
| 03401E 7935N                            | 2469-11055        | 00000/0000 2-20024/1482                            | 05/05/76         | 30                  | 6536            | 26.0         | 203.0        | GGGF                               |                     |                      | 191                   | 29                   |
| 03401E 4423N                            | 2630-07402        | 00000/0000 2-20034/0695                            | 10/13/76         | 40                  | 8779            | 32.2         | 147.5        | GGGG                               |                     |                      | 227                   | 2                    |
| 03401E 0251N                            | 2370-07135        | 00000/0000 2-20020/0454                            | 01/27/76         | 10                  | 5153            | 44.6         | 119.9        | GGGG                               |                     |                      | 191                   | 29                   |
| 03400E 0250N                            | 2388-07133        | 00000/0000 2-20020/1555                            | 02/14/76         | 20                  | 5404            | 46.1         | 112.5        | FGFG                               |                     |                      | 183                   | 58                   |
| 03358E 5831N                            | 2527-08080        | 00000/0000 2-20028/0681                            | 07/02/76         | 90                  | 7343            | 50.3         | 142.6        | GGGG                               |                     |                      | 183                   | 58                   |
| 03357E 7929N                            | 2558-10575        | 00000/0000 2-20030/0652                            | 08/02/76         | 90                  | 7777            | 27.7         | 198.6        | GGGF                               |                     |                      | 196                   | 19                   |
| 03357E 4734N                            | 2451-07502        | 00000/0000 2-20023/0481                            | 04/17/76         | 90                  | 6283            | 46.0         | 137.9        | GGGG                               |                     |                      | 227                   | 2                    |
| 03356E 5827N                            | 2509-08083        | 00000/0000 2-20027/0189                            | 06/14/76         | 90                  | 7092            | 50.9         | 143.8        | GGGG                               |                     |                      | 192                   | 27                   |
| 03356E 4733N                            | 2469-07495        | 00000/0000 2-20024/1480                            | 05/05/76         | 90                  | 6534            | 51.3         | 134.4        | GGGG                               |                     |                      | 196                   | 19                   |
| 03355E 2553N                            | 2374-07300        | 00000/0000 2-20020/0723                            | 01/31/76         | 10                  | 5209            | 33.7         | 136.6        | GGGG                               |                     |                      | 192                   | 27                   |
| 03354E 7842N                            | 2482-10372        | 00000/0000 2-20025/0762                            | 05/18/76         | 30                  | 6717            | 30.6         | 195.8        | GGGG                               |                     |                      | 187                   | 42                   |
| 03354E 5826N                            | 2401-08113        | 00000/0000 2-20022/0001                            | 02/27/76         | 90                  | 5586            | 19.6         | 152.2        | GGGG                               |                     |                      | 223                   | 3                    |
| 03353E 5829N                            | 2545-08073        | 00000/0000 2-20029/0136                            | 07/20/76         | 20                  | 7594            | 47.8         | 142.9        | GGGG                               |                     |                      | 196                   | 19                   |
| 03352E 5602N                            | 2454-08045        | 00000/0000 2-20024/0144                            | 04/20/76         | 30                  | 6325            | 41.6         | 147.0        | G                                  |                     |                      | 196                   | 19                   |
| 03352E 4729N                            | 2433-07505        | 00000/0000 2-20022/1080                            | 03/30/76         | 30                  | 6032            | 39.5         | 140.5        | GGGG                               |                     |                      | 195                   | 21                   |
| 03351E 8013N                            | 2474-11340        | 00000/0000 2-20025/0123                            | 05/10/76         | 90                  | 6606            | 26.3         | 210.4        | GGGG                               |                     |                      | 192                   | 27                   |
| 03351E 4731N                            | 2577-07465        | 00000/0000 2-20030/1676                            | 08/21/76         | 80                  | 8040            | 46.5         | 134.6        | GGGG                               |                     |                      | 232                   | 1                    |
| 03351E 4729N                            | 2721-07414        | 00000/0000 2-20038/1374                            | 01/12/77         | 30                  | 48              | 14.8         | 148.7        | GGGG                               |                     |                      | 192                   | 27                   |
| 03350E 5817N                            | 2383-08120        | 00000/0000 2-20020/1056                            | 02/09/76         | 100                 | 5335            | 13.6         | 153.5        | GGGG                               |                     |                      | 192                   | 27                   |
| 03350E 4728N                            | 2703-07422        | 00000/0000 2-20037/1323                            | 12/25/76         | 90                  | 9797            | 14.0         | 151.3        | GGGG                               |                     |                      | 196                   | 19                   |
| 03350E 4727N                            | 2559-07472        | 00000/0000 2-20030/0760                            | 08/03/76         | 80                  | 7789            | 50.8         | 129.5        | GGGG                               |                     |                      | 192                   | 27                   |
| 03349E 5556N                            | 2472-08042        | 00000/0000 2-20025/0039                            | 05/08/76         | 90                  | 6576            | 47.1         | 145.0        | GGGG                               |                     |                      | 192                   | 27                   |
| 03349E 4722N                            | 2487-07492        | 00000/0000 2-20025/1109                            | 05/23/76         | 20                  | 6785            | 55.0         | 130.3        | GGFG                               |                     |                      | 193                   | 21                   |
| 03347E 5556N                            | 2436-08053        | 00000/0000 2-20022/1153                            | 04/02/76         | 10                  | 6074            | 35.1         | 148.2        | FGGG                               |                     |                      | 192                   | 27                   |
| 03347E 4722N                            | 2685-07431        | 00000/0000 2-20037/0380                            | 12/07/76         | 90                  | 9546            | 15.5         | 153.1        | GGGG                               |                     |                      | 195                   | 21                   |
| 03346E 5600N                            | 2580-08013        | 00000/0000 2-20030/1769                            | 08/24/76         | 90                  | 8082            | 40.6         | 145.1        | GGGG                               |                     |                      | 192                   | 27                   |
| 03346E 5023N                            | 2452-07551        | 00000/0000 2-20024/0123                            | 04/18/76         | 10                  | 6297            | 44.6         | 140.9        | GGGG                               |                     |                      | 195                   | 21                   |
| 03346E 4721N                            | 2415-07512        | 00000/0000 2-20022/0092                            | 03/12/76         | 10                  | 5781            | 32.7         | 142.7        | FGGG                               |                     |                      | 193                   | 25                   |
| 03346E 4718N                            | 2541-07480        | 00000/0000 2-20028/1580                            | 07/16/76         | 80                  | 7538            | 54.2         | 125.9        | GGGG                               |                     |                      | 192                   | 27                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MIR-TELE<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|-----------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 033 4E                                  | 4718N             | 2631-07451                  | 00000/0000                  | 2-20034/0726     | 10/14/76            | 60              | 8793         | 29.7         | 149.6                              | GGGG                |                      | 192                   | 27                   |
| 033 4E                                  | 4717N             | 2397-07420                  | 00000/0000                  | 2-20021/0452     | 02/23/76            | 10              | 5530         | 26.1         | 145.0                              | GGGG                |                      | 192                   | 27                   |
| 033 4E                                  | 4716N             | 2505-07485                  | 00000/0000                  | 2-20026/1238     | 06/10/76            | 60              | 7036         | 56.6         | 126.5                              | GGGG                |                      | 192                   | 27                   |
| 033 4E                                  | 4707N             | 2079-07523                  | 00000/0000                  | 2-20020/1035     | 02/05/76            | 70              | 5279         | 20.7         | 147.4                              | GGGG                |                      | 192                   | 27                   |
| 033 4E                                  | 4722N             | 2613-07455                  | 00000/0000                  | 2-20034/0098     | 09/26/76            | 90              | 8542         | 35.7         | 145.4                              | GGGG                |                      | 192                   | 27                   |
| 033 4E                                  | 4718N             | 2657-07435                  | 00000/0000                  | 2-20036/1064     | 11/19/76            | 100             | 9295         | 19.0         | 153.6                              | GGGG                |                      | 192                   | 27                   |
| 033 4E                                  | 4717N             | 2649-07444                  | 00000/0000                  | 2-20035/0458     | 11/01/76            | 80              | 9044         | 24.0         | 152.4                              | GGGG                |                      | 192                   | 27                   |
| 033 4E                                  | 4717N             | 2623-07483                  | 00000/0000                  | 2-20028/0330     | 06/28/76            | 20              | 7287         | 56.2         | 124.8                              | GGGG                |                      | 192                   | 27                   |
| 033 4E                                  | 4714N             | 2496-10143                  | 00000/0000                  | 2-20026/0662     | 06/01/76            | 90              | 6912         | 34.3         | 189.0                              | GGGF                |                      | 219                   | 4                    |
| 033 4E                                  | 4709N             | 2456-08150                  | 00000/0000                  | 2-20024/0449     | 04/22/76            | 80              | 6353         | 39.4         | 151.7                              | GGGG                |                      | 197                   | 18                   |
| 033 4E                                  | 5554N             | 2592-08010                  | 00000/0000                  | 2-20037/1165     | 09/11/76            | 90              | 8333         | 34.8         | 149.0                              | GGGF                |                      | 195                   | 21                   |
| 033 4E                                  | 5313N             | 2453-08000                  | 00000/0000                  | 2-20024/0113     | 04/19/76            | 10              | 6311         | 43.2         | 144.0                              | GGGG                |                      | 194                   | 23                   |
| 033 4E                                  | 5020N             | 2704-07471                  | 00000/0000                  | 2-20038/0337     | 12/26/76            | 10              | 9811         | 11.8         | 152.4                              | FGGG                |                      | 193                   | 25                   |
| 033 4E                                  | 6005N             | 2438-08154                  | 00000/0000                  | 2-20022/1309     | 04/04/76            | 10              | 6102         | 32.9         | 152.3                              | GGGG                |                      | 197                   | 18                   |
| 033 4E                                  | 5547N             | 2418-08060                  | 00000/0000                  | 2-20021/1680     | 03/15/76            | 30              | 5823         | 28.1         | 149.1                              | GGGG                |                      | 195                   | 21                   |
| 033 4E                                  | 5546N             | 2490-08040                  | 00000/0000                  | 2-20026/0172     | 05/26/76            | 10              | 6827         | 50.9         | 142.3                              | FGGG                |                      | 195                   | 21                   |
| 033 4E                                  | 5022N             | 2578-07514                  | 00000/0000                  | 2-20030/1744     | 08/22/76            | 90              | 8054         | 44.6         | 138.2                              | GGGG                |                      | 193                   | 25                   |
| 033 4E                                  | 5019N             | 2672-07463                  | 00000/0000                  | 2-20038/1478     | 01/13/77            | 60              | 62           | 12.9         | 149.8                              | GGGG                |                      | 193                   | 25                   |
| 033 4E                                  | 5017N             | 2472-07544                  | 00000/0000                  | 2-20024/1746     | 05/06/76            | 60              | 6548         | 50.1         | 138.0                              | GGGG                |                      | 193                   | 25                   |
| 033 4E                                  | 0125N             | 2370-07142                  | 00000/0000                  | 2-20020/0455     | 01/27/76            | 10              | 5153         | 45.1         | 118.6                              | FGFG                |                      | 183                   | 59                   |
| 033 4E                                  | 5924N             | 2504-07592                  | 00000/0000                  | 2-20026/1116     | 06/09/76            | 90              | 7024         | 33.0         | 200.7                              | GGGG                |                      | 227                   | 2                    |
| 033 4E                                  | 5305N             | 2471-07593                  | 00000/0000                  | 2-20024/1674     | 05/07/76            | 80              | 6562         | 48.7         | 141.5                              | FGGG                |                      | 194                   | 23                   |
| 033 4E                                  | 5017N             | 2434-07554                  | 00000/0000                  | 2-20022/1089     | 03/31/76            | 90              | 6046         | 38.2         | 143.0                              | GGGG                |                      | 193                   | 25                   |
| 033 4E                                  | 0127N             | 2388-07135                  | 00000/0000                  | 2-20020/1556     | 02/14/76            | 40              | 5404         | 46.5         | 111.0                              | GGGG                |                      | 183                   | 59                   |
| 033 4E                                  | 6005N             | 2474-08143                  | 00000/0000                  | 2-20025/0105     | 05/10/76            | 10              | 6604         | 44.8         | 150.3                              | GGGG                |                      | 197                   | 18                   |
| 033 4E                                  | 5015N             | 2560-07522                  | 00000/0000                  | 2-20030/0697     | 08/04/76            | 40              | 7803         | 49.3         | 133.5                              | GGGG                |                      | 193                   | 25                   |
| 033 4E                                  | 5549N             | 2616-08003                  | 00000/0000                  | 2-20034/0141     | 09/29/76            | 10              | 8584         | 28.5         | 152.8                              | FGGG                |                      | 195                   | 21                   |
| 033 4E                                  | 5543N             | 2526-08030                  | 00000/0000                  | 2-20028/0259     | 07/01/76            | 80              | 7329         | 52.0         | 138.3                              | GGGG                |                      | 195                   | 21                   |
| 033 4E                                  | 5307N             | 2435-08003                  | 00000/0000                  | 2-20027/1719     | 04/01/76            | 40              | 6060         | 36.7         | 145.6                              | GGGG                |                      | 194                   | 23                   |
| 033 4E                                  | 5017N             | 2596-07511                  | 00000/0000                  | 2-20037/0739     | 09/09/76            | 10              | 8305         | 39.3         | 143.2                              | GGGG                |                      | 193                   | 25                   |
| 033 4E                                  | 5011N             | 2488-07541                  | 00000/0000                  | 2-20025/1162     | 05/24/76            | 10              | 6799         | 53.8         | 134.4                              | GGGG                |                      | 193                   | 25                   |
| 033 4E                                  | 5307N             | 2597-07561                  | 00000/0000                  | 2-20032/1082     | 09/10/76            | 10              | 8319         | 37.1         | 146.1                              | FGGG                |                      | 194                   | 23                   |
| 033 4E                                  | 5545N             | 2544-08023                  | 00000/0000                  | 2-20029/0035     | 07/19/76            | 90              | 7580         | 49.6         | 138.9                              | GGGG                |                      | 195                   | 21                   |
| 033 4E                                  | 5542N             | 2503-08033                  | 00000/0000                  | 2-20026/1424     | 06/13/76            | 80              | 7078         | 52.5         | 139.7                              | GGGG                |                      | 195                   | 21                   |
| 033 4E                                  | 5259N             | 2489-07591                  | 00000/0000                  | 2-20026/0184     | 05/25/76            | 20              | 6813         | 52.4         | 138.4                              | GGGG                |                      | 194                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1124

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03336E 5013N                            | 2614-07504        | 00000/0000 2-20034/0035                        | 09/27/76         | 90                  | 8556            | 33.4         | 147.9        |                                    |                     |                      |                       |                      |
| 03336E 5009N                            | 2416-07562        | 00000/0000 2-20021/1528                        | 03/13/76         | 10                  | 5795            | 31.2         | 144.8        | GGGG                               |                     |                      | 193                   | 25                   |
| 03335E 6003N                            | 2600-08111        | 00000/0000 2-20032/1311                        | 09/13/76         | 70                  | 8361            | 31.1         | 153.5        | GGGG                               |                     |                      | 193                   | 25                   |
| 03335E 5542N                            | 2400-08063        | 00000/0000 2-20021/0718                        | 02/26/76         | 100                 | 5572            | 21.3         | 150.3        | GGGF                               |                     |                      | 197                   | 18                   |
| 03335E 5541N                            | 2634-07595        | 00000/0000 2-20034/0874                        | 10/17/76         | 90                  | 8835            | 22.3         | 155.7        | FFGG                               |                     |                      | 195                   | 21                   |
| 03335E 5304N                            | 2561-07571        | 00000/0000 2-20030/0833                        | 08/05/76         | 60                  | 7817            | 47.5         | 137.5        | GGGG                               |                     |                      | 195                   | 21                   |
| 03334E 6006N                            | 2582-08114        | 00000/0000 2-20032/0077                        | 08/26/76         | 40                  | 8110            | 37.1         | 150.2        | GGGG                               |                     |                      | 194                   | 23                   |
| 03334E 5303N                            | 2687-07525        | 00000/0000 2-20037/0560                        | 12/09/76         | 100                 | 9574            | 10.7         | 155.5        | GGGG                               |                     |                      | 197                   | 18                   |
| 03334E 5008N                            | 2542-07525        | 00000/0000 2-20028/1664                        | 07/17/76         | 80                  | 7552            | 52.8         | 130.4        | GGGG                               |                     |                      | 194                   | 23                   |
| 03334E 5006N                            | 2524-07532        | 00000/0000 2-20028/0284                        | 06/29/76         | 10                  | 7301            | 55.0         | 129.5        | GGGG                               |                     |                      | 193                   | 25                   |
| 03333E 5530N                            | 2382-08070        | 00000/0000 2-20020/1055                        | 02/08/76         | 70                  | 5321            | 15.4         | 151.8        | GGGG                               |                     |                      | 193                   | 25                   |
| 03333E 5008N                            | 2632-07501        | 00000/0000 2-20034/0818                        | 10/15/76         | 90                  | 8807            | 27.3         | 151.7        | GGGG                               |                     |                      | 195                   | 21                   |
| 03333E 5004N                            | 2506-07535        | 00000/0000 2-20026/1341                        | 06/11/76         | 60                  | 7050            | 55.4         | 131.0        | GGGG                               |                     |                      | 193                   | 25                   |
| 03332E 5257N                            | 2525-07581        | 00000/0000 2-20028/0452                        | 06/30/76         | 60                  | 7315            | 53.6         | 134.0        | GGGG                               |                     |                      | 193                   | 25                   |
| 03332E 5255N                            | 2507-07584        | 00000/0000 2-20026/1515                        | 06/12/76         | 60                  | 7044            | 54.0         | 135.5        | GGGG                               |                     |                      | 194                   | 23                   |
| 03332E 5007N                            | 2668-07485        | 00000/0000 2-20036/1093                        | 11/20/76         | 90                  | 9309            | 16.5         | 154.9        | GGGG                               |                     |                      | 194                   | 23                   |
| 03332E 2427N                            | 2374-07303        | 00000/0000 2-20020/0724                        | 01/31/76         | 0                   | 5209            | 34.5         | 135.7        | GGGG                               |                     |                      | 193                   | 25                   |
| 03331E 6002N                            | 2564-08121        | 00000/0000 2-20032/0236                        | 08/08/76         | 60                  | 7859            | 42.5         | 147.1        | GGGG                               |                     |                      | 187                   | 43                   |
| 03331E 5957N                            | 2492-08141        | 00000/0000 2-20026/0247                        | 05/28/76         | 10                  | 6855            | 48.5         | 148.2        | GGGG                               |                     |                      | 197                   | 18                   |
| 03331E 5259N                            | 2417-08011        | 00000/0000 2-20021/1622                        | 03/14/76         | 0                   | 5809            | 29.7         | 146.9        | GGGG                               |                     |                      | 197                   | 18                   |
| 03331E 5005N                            | 2650-07493        | 00000/0000 2-20035/0470                        | 11/02/76         | 50                  | 9058            | 21.5         | 154.1        | GGGG                               |                     |                      | 194                   | 23                   |
| 03331E 4957N                            | 2380-07572        | 00000/0000 2-20020/1034                        | 02/06/76         | 30                  | 5293            | 18.9         | 148.8        | GGGG                               |                     |                      | 193                   | 25                   |
| 03330E 5259N                            | 2615-07554        | 00000/0000 2-20034/0018                        | 09/28/76         | 90                  | 8570            | 31.0         | 150.3        | GGGF                               |                     |                      | 193                   | 25                   |
| 03330E 5256N                            | 2543-07574        | 00000/0000 2-20028/1337                        | 07/18/76         | 40                  | 7566            | 51.3         | 134.7        | GGGG                               |                     |                      | 194                   | 23                   |
| 03330E 5255N                            | 2669-07534        | 00000/0000 2-20036/1128                        | 11/21/76         | 90                  | 9323            | 14.1         | 156.3        | GGGG                               |                     |                      | 194                   | 23                   |
| 03330E 5253N                            | 2633-07550        | 00000/0000 2-20034/0865                        | 10/16/76         | 50                  | 8821            | 24.8         | 153.6        | GGGG                               |                     |                      | 194                   | 23                   |
| 03330E 5253N                            | 2651-07542        | 00000/0000 2-20035/0503                        | 11/03/76         | 60                  | 9072            | 19.0         | 155.7        | GGGG                               |                     |                      | 194                   | 23                   |
| 03330E 5005N                            | 2398-07565        | 00000/0000 2-20021/0662                        | 02/24/76         | 30                  | 5544            | 24.5         | 146.7        | GGGG                               |                     |                      | 194                   | 23                   |
| 03329E 5255N                            | 2399-08014        | 00000/0000 2-20021/0701                        | 02/25/76         | 0                   | 5558            | 22.9         | 148.4        | GGGG                               |                     |                      | 193                   | 25                   |
| 03329E 5243N                            | 2381-08021        | 00000/0000 2-20020/1163                        | 02/07/76         | 0                   | 5307            | 17.1         | 150.3        | GGGF                               |                     |                      | 194                   | 23                   |
| 03325E 5954N                            | 2546-08124        | 00000/0000 2-20028/1703                        | 07/21/76         | 10                  | 7508            | 46.7         | 145.0        | GGGG                               |                     |                      | 194                   | 23                   |
| 03325E 5952N                            | 2510-08134        | 00000/0000 2-20026/1539                        | 06/15/76         | 40                  | 7106            | 50.0         | 145.9        | GGGG                               |                     |                      | 197                   | 18                   |
| 03324E 5952N                            | 2528-08131        | 00000/0000 2-20028/0612                        | 07/03/76         | 20                  | 7357            | 49.4         | 144.6        | GGGG                               |                     |                      | 197                   | 18                   |
| 03321E 7640N                            | 2492-09574        | 00000/0000 2-20026/0446                        | 05/29/76         | 80                  | 6870            | 35.0         | 184.2        | GGGG                               |                     |                      | 197                   | 18                   |
| 03321E 4609N                            | 2451-07504        | 00000/0000 2-20023/0482                        | 04/17/76         | 90                  | 6283            | 46.8         | 136.3        | GGGG                               |                     |                      | 216                   | 5                    |
|                                         |                   |                                                |                  |                     |                 |              |              | GGGG                               |                     |                      | 192                   | 28                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

32:44 APR 28, 77

 LANDSAT-2  
 COORDINATE LISTING  
 FOR USN-US

PAGE 1125

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE | RESOLUTION<br>(1) | SCENE FILE<br>POSITION<br>RBV | ROLL NO./<br>IN FILE<br>MSS | DATE<br>ACQUIRED | CLSD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-------------------------------|-----------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03321E                      | 4608N             | 2469-0754                     | 00000/0000                  | 2-20024/1481     | 05/05/76           | 100             | 6534         | 52.1         | 132.5                              |                     |                      |                       |                      |
| 03321E                      | 4608N             | 2370-0714                     | 00000/0000                  | 2-20024/0456     | 01/27/76           | 10              | 5153         | 45.6         | 117.2                              | GGGG                |                      | 192                   | 28                   |
| 03320E                      | 4608N             | 2368-0714                     | 00000/0000                  | 2-20024/1557     | 02/14/76           | 70              | 5404         | 46.8         | 109.5                              | FGFG                |                      | 183                   | 60                   |
| 03318E                      | 4608N             | 2360-0714                     | 00000/0000                  | 2-20024/0817     | 06/05/76           | 30              | 6968         | 33.7         | 194.4                              | GGGG                |                      | 183                   | 60                   |
| 03316E                      | 4608N             | 2361-0714                     | 00000/0000                  | 2-20024/0668     | 04/27/76           | 40              | 6424         | 25.9         | 190.1                              | GGGG                |                      | 223                   | 3                    |
| 03316E                      | 4608N             | 2373-0725                     | 00000/0000                  | 2-20024/1324     | 12/25/76           | 90              | 9797         | 15.1         | 150.7                              | GGGG                |                      | 219                   | 4                    |
| 03316E                      | 4608N             | 2389-0714                     | 00000/0000                  | 2-20024/1479     | 02/15/76           | 10              | 5418         | 45.5         | 115.1                              | GGGG                |                      | 192                   | 28                   |
| 03316E                      | 4608N             | 2371-0714                     | 00000/0000                  | 2-20024/0478     | 01/28/76           | 20              | 5167         | 43.6         | 122.2                              | FGGG                |                      | 184                   | 56                   |
| 03315E                      | 4605N             | 2577-0747                     | 00000/0000                  | 2-20024/1677     | 08/21/76           | 70              | 8040         | 47.2         | 132.9                              | GGGG                |                      | 184                   | 56                   |
| 03315E                      | 4604N             | 2721-0742                     | 00000/0000                  | 2-20024/1375     | 01/12/77           | 50              | 48           | 15.9         | 148.0                              | GGGG                |                      | 192                   | 28                   |
| 03314E                      | 4605N             | 2447-0744                     | 00000/0000                  | 2-20024/1110     | 05/23/76           | 60              | 6785         | 55.6         | 128.0                              | GGGG                |                      | 192                   | 28                   |
| 03313E                      | 4605N             | 2455-0811                     | 00000/0000                  | 2-20024/0260     | 04/21/76           | 90              | 6339         | 41.1         | 148.5                              | GGGG                |                      | 192                   | 28                   |
| 03312E                      | 4605N             | 2655-0744                     | 00000/0000                  | 2-20024/0381     | 12/07/76           | 90              | 9546         | 16.6         | 152.5                              | GGGG                |                      | 196                   | 20                   |
| 03312E                      | 4605N             | 2505-0744                     | 00000/0000                  | 2-20024/1299     | 06/10/76           | 40              | 7036         | 57.2         | 124.1                              | FGGG                |                      | 192                   | 28                   |
| 03311E                      | 4605N             | 2541-0748                     | 00000/0000                  | 2-20024/1581     | 07/16/76           | 40              | 7538         | 54.7         | 123.6                              | GGGG                |                      | 192                   | 28                   |
| 03311E                      | 4605N             | 2631-0744                     | 00000/0000                  | 2-20024/0727     | 10/14/76           | 70              | 8793         | 30.8         | 148.7                              | GGGG                |                      | 192                   | 28                   |
| 03310E                      | 4605N             | 2613-0746                     | 00000/0000                  | 2-20024/0039     | 09/26/76           | 80              | 8542         | 36.7         | 144.2                              | GGGG                |                      | 192                   | 28                   |
| 03310E                      | 4605N             | 2667-0744                     | 00000/0000                  | 2-20024/1065     | 11/19/76           | 100             | 9295         | 20.1         | 152.9                              | GGGG                |                      | 192                   | 28                   |
| 03309E                      | 4605N             | 2547-0956                     | 00000/0000                  | 2-20024/1722     | 07/22/76           | 100             | 7623         | 33.6         | 181.0                              | FGGG                |                      | 192                   | 28                   |
| 03309E                      | 4605N             | 2473-0809                     | 00000/0000                  | 2-20024/1615     | 05/09/76           | 0               | 6590         | 46.5         | 146.7                              | GGGG                |                      | 216                   | 5                    |
| 03309E                      | 4605N             | 2523-0744                     | 00000/0000                  | 2-20024/0331     | 06/28/76           | 10              | 7287         | 56.7         | 122.4                              | GGGG                |                      | 196                   | 20                   |
| 03309E                      | 4605N             | 2374-0735                     | 00000/0000                  | 2-20024/0725     | 01/31/76           | 0               | 5209         | 35.4         | 134.8                              | GGGG                |                      | 192                   | 28                   |
| 03308E                      | 4605N             | 2491-0809                     | 00000/0000                  | 2-20024/0337     | 05/27/76           | 90              | 6841         | 50.1         | 144.3                              | GGGG                |                      | 187                   | 44                   |
| 03307E                      | 4605N             | 2452-0755                     | 00000/0000                  | 2-20024/0124     | 04/18/76           | 10              | 6297         | 45.5         | 139.3                              | GGGG                |                      | 196                   | 20                   |
| 03305E                      | 4605N             | 2465-1043                     | 00000/0000                  | 2-20024/1107     | 05/01/76           | 50              | 6480         | 26.0         | 196.5                              | FGGG                |                      | 193                   | 26                   |
| 03304E                      | 4605N             | 2427-1105                     | 00000/0000                  | 2-20024/1113     | 05/23/76           | 10              | 6787         | 30.5         | 202.3                              | GGGG                |                      | 223                   | 3                    |
| 03304E                      | 4605N             | 2527-0804                     | 00000/0000                  | 2-20024/0632     | 07/02/76           | 90              | 7343         | 51.1         | 140.5                              | GGGG                |                      | 227                   | 2                    |
| 03303E                      | 4605N             | 2462-0846                     | 00000/0000                  | 2-20024/0799     | 04/28/76           | 100             | 6437         | 35.2         | 162.8                              | GGGF                |                      | 196                   | 20                   |
| 03303E                      | 4605N             | 2454-0805                     | 00000/0000                  | 2-20024/0145     | 04/20/76           | 40              | 6325         | 42.6         | 145.5                              | G                   |                      | 203                   | 12                   |
| 03303E                      | 4605N             | 2578-0752                     | 00000/0000                  | 2-20024/1745     | 08/22/76           | 100             | 8054         | 45.4         | 136.6                              | GGFG                |                      | 195                   | 22                   |
| 03303E                      | 4605N             | 2704-0747                     | 00000/0000                  | 2-20024/0338     | 12/26/76           | 0               | 9811         | 12.9         | 151.8                              | GGGG                |                      | 193                   | 26                   |
| 03303E                      | 4605N             | 2722-0747                     | 00000/0000                  | 2-20024/1479     | 01/13/77           | 70              | 62           | 13.9         | 149.2                              | GGGG                |                      | 193                   | 26                   |
| 03302E                      | 4605N             | 2509-0804                     | 00000/0000                  | 2-20024/0190     | 06/14/76           | 90              | 7092         | 51.8         | 141.7                              | GGGG                |                      | 193                   | 26                   |
| 03302E                      | 4605N             | 2470-0755                     | 00000/0000                  | 2-20024/1747     | 05/06/76           | 50              | 6548         | 50.9         | 136.1                              | GGGG                |                      | 196                   | 20                   |
| 03301E                      | 4605N             | 2472-0804                     | 00000/0000                  | 2-20024/0040     | 05/08/76           | 90              | 6576         | 48.0         | 143.2                              | GGGG                |                      | 193                   | 26                   |

KEYS: CLSD COVER % ..... 0 TO 100 = % CLSD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=HIGH GAIN, M=HIGH GAIN

02:44 APR 20, 1977

LANCASH-2  
COORDINATE LISTING  
FOR NAV-US  
FROM 11/22/76 TO 01/22/77

PAGE 1126

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>REV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>REV MSG<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03301E                                  | 4852N             | 2434-07561                                     | 00000/0000       | 2-20022/1090        | 03/31/76        | 90           | 6046         | 39.1                               | 141.7               |                      |                       |                      |
| 03301E                                  | 4850N             | 2500-07562                                     | 00000/0000       | 2-20037/0698        | 08/04/76        | 30           | 7803         | 50.0                               | 131.6               | GGGG                 | 193                   | 26                   |
| 03300E                                  | 4851N             | 2686-07482                                     | 00000/0000       | 2-20037/0569        | 12/08/76        | 80           | 9560         | 14.2                               | 153.7               | GGGG                 | 193                   | 26                   |
| 03300E                                  | 4846N             | 2448-07544                                     | 00000/0000       | 2-20025/1163        | 05/24/76        | 30           | 6799         | 54.5                               | 132.2               | GGGG                 | 193                   | 26                   |
| 03259E                                  | 5706N             | 2545-08075                                     | 00000/0000       | 2-20029/0137        | 07/20/76        | 50           | 7594         | 48.6                               | 140.9               | FFFF                 | 193                   | 26                   |
| 03259E                                  | 5433N             | 2476-08055                                     | 00000/0000       | 2-20022/1154        | 04/02/76        | 10           | 6074         | 36.1                               | 146.9               | GGGG                 | 196                   | 20                   |
| 03259E                                  | 5148N             | 2453-08003                                     | 00000/0000       | 2-20024/0114        | 04/19/76        | 50           | 6311         | 44.1                               | 142.4               | GGGG                 | 195                   | 22                   |
| 03259E                                  | 4852N             | 2536-07514                                     | 00000/0000       | 2-20032/0740        | 09/09/76        | 10           | 8305         | 40.2                               | 141.8               | GGGG                 | 194                   | 24                   |
| 03258E                                  | 5436N             | 2555-08015                                     | 00000/0000       | 2-20030/1770        | 05/24/76        | 90           | 8082         | 41.5                               | 143.5               | GGGG                 | 193                   | 26                   |
| 03258E                                  | 5432N             | 2724-07564                                     | 00000/0000       | 2-20038/1457        | 01/15/77        | 10           | 90           | 10.0                               | 151.6               | GGGG                 | 195                   | 22                   |
| 03257E                                  | 5140N             | 2471-07511                                     | 00000/0000       | 2-20024/1675        | 05/07/76        | 90           | 6562         | 49.5                               | 139.6               | GGGG                 | 195                   | 22                   |
| 03257E                                  | 4848N             | 2614-07511                                     | 00000/0000       | 2-20034/0036        | 09/27/76        | 60           | 8556         | 34.4                               | 146.8               | GGGG                 | 194                   | 24                   |
| 03257E                                  | 4845N             | 2416-07564                                     | 00000/0000       | 2-20021/1529        | 03/13/76        | 10           | 5795         | 32.2                               | 143.7               | GGGG                 | 193                   | 26                   |
| 03257E                                  | 4844N             | 2542-07531                                     | 00000/0000       | 2-20028/1665        | 07/17/76        | 90           | 7552         | 53.4                               | 128.2               | GGGG                 | 193                   | 26                   |
| 03256E                                  | 7634N             | 2529-09565                                     | 00000/0000       | 2-20028/0689        | 07/04/76        | 90           | 7372         | 36.3                               | 181.4               | GGGG                 | 216                   | 5                    |
| 03256E                                  | 6419N             | 2371-07191                                     | 00000/0000       | 2-20020/0479        | 01/28/76        | 10           | 5167         | 44.2                               | 120.9               | GGGG                 | 184                   | 57                   |
| 03255E                                  | 5143N             | 2435-08010                                     | 00000/0000       | 2-20027/1720        | 04/01/76        | 40           | 6060         | 37.6                               | 144.3               | GGGG                 | 194                   | 24                   |
| 03255E                                  | 4840N             | 2536-07541                                     | 00000/0000       | 2-20026/1342        | 06/11/76        | 60           | 7050         | 56.1                               | 128.7               | FGGG                 | 193                   | 26                   |
| 03254E                                  | 5430N             | 2432-11331                                     | 00000/0000       | 2-20024/0361        | 05/28/76        | 70           | 6857         | 30.2                               | 209.5               | GGGG                 | 233                   | 1                    |
| 03254E                                  | 5430N             | 2598-08012                                     | 00000/0000       | 2-20037/1166        | 09/11/76        | 90           | 8333         | 35.8                               | 147.7               | GGGG                 | 195                   | 22                   |
| 03254E                                  | 5423N             | 2430-08042                                     | 00000/0000       | 2-20026/0173        | 05/26/76        | 10           | 6827         | 51.7                               | 140.3               | FGGG                 | 195                   | 22                   |
| 03254E                                  | 5143N             | 2537-07563                                     | 00000/0000       | 2-20037/1093        | 09/10/76        | 10           | 8319         | 38.0                               | 144.8               | FFGG                 | 194                   | 24                   |
| 03254E                                  | 4843N             | 2632-07563                                     | 00000/0000       | 2-20034/0819        | 10/15/76        | 100          | 8807         | 28.3                               | 150.7               | GGGG                 | 193                   | 26                   |
| 03254E                                  | 4843N             | 2668-07491                                     | 00000/0000       | 2-20036/1094        | 11/20/76        | 90           | 9309         | 17.7                               | 154.2               | GFGG                 | 193                   | 26                   |
| 03254E                                  | 2557S             | 2420-06560                                     | 00000/0000       | 2-20021/1730        | 03/17/76        | 30           | 5850         | 40.5                               | 67.5                | FGGG                 | 179                   | 78                   |
| 03253E                                  | 5424N             | 2418-08053                                     | 00000/0000       | 2-20021/1641        | 03/15/76        | 40           | 5823         | 29.1                               | 148.0               | GGGG                 | 195                   | 22                   |
| 03253E                                  | 5140N             | 2501-07573                                     | 00000/0000       | 2-20030/0834        | 08/05/76        | 50           | 7817         | 48.3                               | 135.7               | GGGG                 | 194                   | 24                   |
| 03253E                                  | 5134N             | 2423-07573                                     | 00000/0000       | 2-20026/0185        | 05/25/76        | 20           | 6813         | 53.2                               | 136.3               | GGGG                 | 194                   | 24                   |
| 03252E                                  | 5139N             | 2487-07532                                     | 00000/0000       | 2-20037/0561        | 12/09/76        | 100          | 9574         | 11.9                               | 154.9               | GGGG                 | 194                   | 24                   |
| 03252E                                  | 4840N             | 2398-07571                                     | 00000/0000       | 2-20021/0663        | 02/24/76        | 10           | 5544         | 25.5                               | 145.8               | GGGG                 | 193                   | 26                   |
| 03252E                                  | 4840N             | 2650-07435                                     | 00000/0000       | 2-20035/0471        | 11/02/76        | 60           | 9058         | 22.6                               | 153.3               | GGGG                 | 193                   | 26                   |
| 03252E                                  | 4832N             | 2340-07574                                     | 00000/0000       | 2-20020/1085        | 02/06/76        | 60           | 5293         | 19.9                               | 148.0               | GFGG                 | 193                   | 26                   |
| 03251E                                  | 5015N             | 2457-11431                                     | 00000/0000       | 2-20023/0536        | 04/23/76        | 80           | 6369         | 21.2                               | 210.0               | FFGG                 | 233                   | 1                    |
| 03251E                                  | 5426N             | 2638-07561                                     | 00000/0000       | 2-20037/0471        | 12/10/76        | 90           | 9588         | 9.5                                | 156.1               | G GG                 | 195                   | 22                   |
| 03251E                                  | 5425N             | 2616-08005                                     | 00000/0000       | 2-20034/0142        | 09/29/76        | 30           | 8584         | 29.6                               | 151.7               | GGGG                 | 195                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
IMAGE QUALITY ..... BLANKS, RAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG | LAT   | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|-------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03251E                              | 5419N | 2526-08033        | 00000/0000 2-20028/0260                            | 07/01/76         | 90                  | 7329            | 52.8         | 136.1        |                                    |                     |                      |                       |                      |
| 03250E                              | 5421N | 2670-07585        | 00000/0000 2-20036/1660                            | 11/22/76         | 90                  | 9337            | 12.7         | 157.1        | GGGG                               |                     |                      | 195                   | 22                   |
| 03250E                              | 5133N | 2525-07584        | 00000/0000 2-20028/0453                            | 06/30/76         | 60                  | 7315            | 54.2         | 131.8        | GGGG                               |                     |                      | 195                   | 22                   |
| 03250E                              | 2553S | 2402-06583        | 00000/0000 2-20021/0858                            | 02/28/76         | 60                  | 5599            | 43.2         | 76.3         | GGGG                               |                     |                      | 194                   | 24                   |
| 03249E                              | 5421N | 2544-08030        | 00000/0000 2-20029/0036                            | 07/19/76         | 90                  | 7580            | 50.4         | 136.8        | FGGG                               |                     |                      | 179                   | 78                   |
| 03249E                              | 5418N | 2508-08040        | 00000/0000 2-20026/1425                            | 06/13/76         | 80                  | 7078            | 53.3         | 137.5        | GGGG                               |                     |                      | 195                   | 22                   |
| 03249E                              | 5417N | 2652-07594        | 00000/0000 2-20035/0556                            | 11/04/76         | 90                  | 9086            | 17.5         | 156.6        | GGGG                               |                     |                      | 195                   | 22                   |
| 03249E                              | 5135N | 2417-08013        | 00000/0000 2-20021/1623                            | 03/14/76         | 0                   | 5809            | 30.6         | 145.8        | GGGG                               |                     |                      | 195                   | 32                   |
| 03249E                              | 5131N | 2507-07590        | 00000/0000 2-20026/1516                            | 06/12/76         | 60                  | 7064            | 54.8         | 133.2        | GGGG                               |                     |                      | 194                   | 24                   |
| 03249E                              | 5130N | 2633-07553        | 00000/0000 2-20034/0866                            | 10/16/76         | 30                  | 8821            | 25.9         | 152.7        | GGGG                               |                     |                      | 194                   | 24                   |
| 03248E                              | 5418N | 2400-08070        | 00000/0000 2-20021/0719                            | 02/26/76         | 100                 | 5572            | 22.3         | 149.3        | FGGG                               |                     |                      | 195                   | 22                   |
| 03248E                              | 5418N | 2634-08002        | 00000/0000 2-20034/0875                            | 10/17/76         | 90                  | 8835            | 23.4         | 154.7        | GGGG                               |                     |                      | 195                   | 22                   |
| 03248E                              | 5131N | 2669-07540        | 00000/0000 2-20036/1129                            | 11/21/76         | 100                 | 9323            | 15.2         | 155.6        | GGGG                               |                     |                      | 195                   | 22                   |
| 03248E                              | 2550S | 2366-06592        | 00000/0000 2-20020/0151                            | 01/23/76         | 40                  | 5097            | 48.1         | 91.1         | GGGG                               |                     |                      | 179                   | 78                   |
| 03247E                              | 5536N | 2460-08361        | 00000/0000 2-20024/0855                            | 04/26/76         | 40                  | 6409            | 36.7         | 158.7        | GGGG                               |                     |                      | 201                   | 14                   |
| 03247E                              | 5135N | 2615-07560        | 00000/0000 2-20034/0019                            | 09/28/76         | 90                  | 8570            | 32.0         | 149.2        | GGGG                               |                     |                      | 194                   | 24                   |
| 03247E                              | 5132N | 2543-07581        | 00000/0000 2-20028/1338                            | 07/18/76         | 30                  | 7566            | 52.0         | 132.6        | GGGG                               |                     |                      | 194                   | 24                   |
| 03247E                              | 5131N | 2399-08021        | 00000/0000 2-20021/0702                            | 02/25/76         | 0                   | 5558            | 23.9         | 147.5        | GGGG                               |                     |                      | 194                   | 24                   |
| 03247E                              | 2135N | 2374-07312        | 00000/0000 2-20020/0706                            | 01/31/76         | 0                   | 5209            | 36.2         | 133.8        | GGGG                               |                     |                      | 194                   | 24                   |
| 03246E                              | 7930N | 2559-11032        | 00000/0000 2-20030/0738                            | 08/03/76         | 50                  | 7791            | 27.4         | 198.8        | GGGG                               |                     |                      | 187                   | 45                   |
| 03246E                              | 5120N | 2381-08024        | 00000/0000 2-20020/1164                            | 02/07/76         | 0                   | 5307            | 18.2         | 149.5        | GGGG                               |                     |                      | 228                   | 2                    |
| 03243E                              | 2606S | 2384-06590        | 00000/0000 2-20020/1065                            | 02/10/76         | 10                  | 5348            | 45.6         | 84.3         | FGGG                               |                     |                      | 194                   | 24                   |
| 03242E                              | 7833N | 2536-10355        | 00000/0000 2-20028/1188                            | 07/11/76         | 90                  | 7470            | 33.3         | 191.8        | GGGG                               |                     |                      | 179                   | 78                   |
| 03242E                              | 5842N | 2438-08160        | 00000/0000 2-20022/1310                            | 04/04/76         | 30                  | 6102            | 33.9         | 150.9        | GGGG                               |                     |                      | 223                   | 3                    |
| 03242E                              | 4436N | 2703-07431        | 00000/0000 2-20037/1325                            | 12/25/76         | 90                  | 9797            | 16.1         | 150.1        | GGGG                               |                     |                      | 197                   | 19                   |
| 03241E                              | 7746N | 2479-10203        | 00000/0000 2-20025/0544                            | 05/15/76         | 80                  | 6675            | 31.0         | 190.0        | GGGG                               |                     |                      | 192                   | 29                   |
| 03241E                              | 5842N | 2474-08150        | 00000/0000 2-20025/0106                            | 05/10/76         | 0                   | 6604            | 45.8         | 148.5        | GGGG                               |                     |                      | 220                   | 4                    |
| 03241E                              | 4438N | 2721-07423        | 00000/0000 2-20038/1376                            | 01/12/77         | 30                  | 48              | 16.9         | 147.4        | FGGG                               |                     |                      | 197                   | 19                   |
| 03239E                              | 7540N | 2473-09471        | 00000/0000 2-20024/1778                            | 05/09/76         | 20                  | 6591            | 31.8         | 180.6        | FGGG                               |                     |                      | 192                   | 29                   |
| 03237E                              | 5840N | 2600-08113        | 00000/0000 2-20037/1312                            | 09/13/76         | 70                  | 8361            | 32.1         | 152.1        | GGGG                               |                     |                      | 214                   | 6                    |
| 03236E                              | 5843N | 2582-08120        | 00000/0000 2-20032/0078                            | 08/26/76         | 20                  | 8110            | 38.1         | 148.6        | GGGG                               |                     |                      | 197                   | 19                   |
| 03236E                              | 0252N | 2371-07193        | 00000/0000 2-20020/0480                            | 01/28/76         | 0                   | 5167            | 44.7         | 119.6        | GGGG                               |                     |                      | 184                   | 58                   |
| 03234E                              | 5839N | 2564-08123        | 00000/0000 2-20032/0237                            | 08/08/76         | 80                  | 7859            | 43.4         | 145.3        | GGGG                               |                     |                      | 197                   | 19                   |
| 03234E                              | 5834N | 2492-08143        | 00000/0000 2-20026/0248                            | 05/28/76         | 10                  | 6855            | 49.4         | 146.1        | GGGG                               |                     |                      | 197                   | 19                   |
| 03232E                              | 0840N | 2606-07171        | 00000/0000 2-20032/1586                            | 09/19/76         | 90                  | 8444            | 52.9         | 99.2         | GGGG                               |                     |                      | 185                   | 54                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03232E 7132S                            | 2365-05240        | 00000/0000                   | 2-20019/0196                | 01/22/76         | 90                  | 5082            | 25.4         | 76.5         | GGG                                |                     |                      | 160                   | 111                  |
| 03231E 4732N                            | 2452-07560        | 00000/0000                   | 2-20024/0125                | 04/18/76         | 10                  | 6297            | 46.3         | 137.7        | GFGG                               |                     |                      | 193                   | 27                   |
| 03230E 2723S                            | 2420-06582        | 00000/0000                   | 2-20021/1731                | 03/17/76         | 20                  | 5850            | 39.7         | 66.6         | FGGF                               |                     |                      | 179                   | 79                   |
| 03229E 5831N                            | 2546-08131        | 00000/0000                   | 2-20028/1704                | 07/21/76         | 20                  | 7408            | 47.6         | 143.0        | GGGG                               |                     |                      | 197                   | 19                   |
| 03227E 5829N                            | 2510-08141        | 00000/0000                   | 2-20026/1540                | 06/15/76         | 50                  | 7106            | 50.9         | 143.8        | GGGG                               |                     |                      | 197                   | 19                   |
| 03227E 2719S                            | 2402-06585        | 00000/0000                   | 2-20021/0859                | 02/28/76         | 50                  | 5599            | 42.6         | 75.2         | FGGG                               |                     |                      | 179                   | 79                   |
| 03226E 4733N                            | 2578-07523        | 00000/0000                   | 2-20030/1746                | 08/22/76         | 100                 | 8054            | 46.2         | 134.9        | GGGG                               |                     |                      | 193                   | 27                   |
| 03226E 4730N                            | 2704-07480        | 00000/0000                   | 2-20033/0339                | 12/26/76         | 10                  | 9811            | 13.9         | 151.2        | GGGG                               |                     |                      | 193                   | 27                   |
| 03225E 4729N                            | 2722-07472        | 00000/0000                   | 2-20038/1480                | 01/13/77         | 70                  | 62              | 15.0         | 148.5        | GGGG                               |                     |                      | 193                   | 27                   |
| 03225E 4727N                            | 2470-07553        | 00000/0000                   | 2-20024/1748                | 05/06/76         | 40                  | 6548            | 51.6         | 134.1        | GGGG                               |                     |                      | 193                   | 27                   |
| 03225E 4725N                            | 2560-07531        | 00000/0000                   | 2-20030/0699                | 08/04/76         | 10                  | 7803            | 50.6         | 129.7        | GGGG                               |                     |                      | 193                   | 27                   |
| 03225E 2009N                            | 2374-07314        | 00000/0000                   | 2-20020/0664                | 01/31/76         | 0                   | 5209            | 37.0         | 132.8        | FFGG                               |                     |                      | 187                   | 46                   |
| 03225E 2716S                            | 2366-06594        | 00000/0000                   | 2-20020/0152                | 01/23/76         | 30                  | 5097            | 47.8         | 39.7         | GFGG                               |                     |                      | 179                   | 79                   |
| 03224E 7841N                            | 2483-10430        | 00000/0000                   | 2-20025/0827                | 05/19/76         | 70                  | 6731            | 30.8         | 195.7        | GGGG                               |                     |                      | 224                   | 3                    |
| 03223E 4726N                            | 2686-07485        | 00000/0000                   | 2-20037/0570                | 12/08/76         | 80                  | 9560            | 15.3         | 153.0        | GGGG                               |                     |                      | 193                   | 27                   |
| 03223E 4721N                            | 2488-07550        | 00000/0000                   | 2-20025/1164                | 05/24/76         | 30                  | 6799            | 55.2         | 130.0        | GGGG                               |                     |                      | 193                   | 27                   |
| 03222E 5557N                            | 2455-08104        | 00000/0000                   | 2-20024/0261                | 04/21/76         | 90                  | 6339            | 42.0         | 146.9        | GFGG                               |                     |                      | 196                   | 21                   |
| 03222E 4727N                            | 2596-07520        | 00000/0000                   | 2-20032/0741                | 09/09/76         | 10                  | 8305            | 41.1         | 140.4        | GGGG                               |                     |                      | 193                   | 27                   |
| 03221E 4723N                            | 2614-07513        | 00000/0000                   | 2-20034/0037                | 09/27/76         | 60                  | 8556            | 35.3         | 145.6        | GGGG                               |                     |                      | 193                   | 27                   |
| 03221E 4720N                            | 2416-07571        | 00000/0000                   | 2-20021/1530                | 03/13/76         | 40                  | 5795            | 33.1         | 142.6        | GGGG                               |                     |                      | 193                   | 27                   |
| 03220E 7534N                            | 2491-09464        | 00000/0000                   | 2-20026/0346                | 05/27/76         | 100                 | 6842            | 35.8         | 180.0        | GGGG                               |                     |                      | 214                   | 6                    |
| 03219E 8006N                            | 2528-11324        | 00000/0000                   | 2-20028/0548                | 07/03/76         | 20                  | 7359            | 31.9         | 206.6        | GGGG                               |                     |                      | 233                   | 1                    |
| 03219E 4715N                            | 2506-07544        | 00000/0000                   | 2-20026/1343                | 06/11/76         | 60                  | 7050            | 56.7         | 126.3        | GGGG                               |                     |                      | 193                   | 27                   |
| 03219E 2731S                            | 2384-06593        | 00000/0000                   | 2-20020/1066                | 02/10/76         | 30                  | 5348            | 45.2         | 83.0         | GGGG                               |                     |                      | 179                   | 79                   |
| 03218E 7644N                            | 2476-10035        | 00000/0000                   | 2-20025/0075                | 05/12/76         | 10                  | 6633            | 31.4         | 185.0        | GGGG                               |                     |                      | 217                   | 5                    |
| 03218E 5554N                            | 2473-08101        | 00000/0000                   | 2-20024/1616                | 05/09/76         | 10                  | 6590            | 47.4         | 144.9        | GGGG                               |                     |                      | 196                   | 21                   |
| 03218E 5314N                            | 2454-08054        | 00000/0000                   | 2-20024/0146                | 04/20/76         | 20                  | 6325            | 43.5         | 143.9        | GGGG                               |                     |                      | 195                   | 23                   |
| 03218E 5024N                            | 2453-08005        | 00000/0000                   | 2-20024/0115                | 04/19/76         | 80                  | 6311            | 45.0         | 140.8        | GGGG                               |                     |                      | 194                   | 25                   |
| 03218E 4718N                            | 2632-07510        | 00000/0000                   | 2-20034/0820                | 10/15/76         | 100                 | 8807            | 29.4         | 149.8        | GGGG                               |                     |                      | 193                   | 27                   |
| 03218E 4718N                            | 2668-07494        | 00000/0000                   | 2-20036/1095                | 11/20/76         | 30                  | 9309            | 18.8         | 153.6        | FFGG                               |                     |                      | 193                   | 27                   |
| 03217E 7926N                            | 2505-11050        | 00000/0000                   | 2-20026/1303                | 06/10/76         | 90                  | 7038            | 33.0         | 200.8        | GGGG                               |                     |                      | 228                   | 2                    |
| 03217E 5548N                            | 2491-08094        | 00000/0000                   | 2-20026/0338                | 05/27/76         | 90                  | 6841            | 51.0         | 142.2        | GGGG                               |                     |                      | 196                   | 21                   |
| 03217E 5020N                            | 2705-07530        | 00000/0000                   | 2-20034/0342                | 12/27/76         | 10                  | 9825            | 11.8         | 152.3        | FFFF                               |                     |                      | 194                   | 25                   |
| 03217E 5015N                            | 2471-08002        | 00000/0000                   | 2-20024/1676                | 05/07/76         | 70                  | 6562            | 50.3         | 137.7        | GGGG                               |                     |                      | 194                   | 25                   |
| 03217E 6907S                            | 2386-05400        | 00000/0000                   | 2-20021/0109                | 02/12/76         | 60                  | 5375            | 21.4         | 72.4         | FGFF                               |                     |                      | 163                   | 109                  |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, HIGH GAIN

J2:44 APR 24, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR AERIALS  
FROM 01/22/76 TO 01/22/77

PAGE 1129

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SERIAL<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------------------------|------------------|---------------------|------------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               |                                                |                  |                     |                  |              |              | 123 45678             |                     |                      |                       |                      |
| 03216E                      | 7745N             | 2427-102.1                                     | 00000/0000       | 2-20024/0142        | 06/02/76         | 100          | 6926         | 34.5                  | 188.9               |                      |                       |                      |
| 03216E                      | 5336N             | 2472-0801                                      | 00000/0000       | 2-20025/0041        | 05/02/76         | 90           | 6576         | 48.9                  | 141.4               |                      | 220                   | 4                    |
| 03216E                      | 4715N             | 2398-07574                                     | 00000/0000       | 2-20021/0664        | 02/24/76         | 0            | 5544         | 26.5                  | 144.9               |                      | 195                   | 23                   |
| 03215E                      | 5018N             | 2435-08010                                     | 00000/0000       | 2-20022/1721        | 04/01/76         | 20           | 6060         | 38.5                  | 142.9               |                      | 193                   | 27                   |
| 03215E                      | 4716N             | 2650-07530                                     | 00000/0000       | 2-20035/0472        | 11/02/76         | 50           | 9058         | 23.7                  | 152.5               |                      | 194                   | 25                   |
| 03215E                      | 4707N             | 2340-07541                                     | 00000/0000       | 2-20022/1086        | 02/06/76         | 90           | 5293         | 20.9                  | 147.3               |                      | 193                   | 27                   |
| 03214E                      | 5545N             | 2527-08035                                     | 00000/0000       | 2-20024/0683        | 07/02/76         | 80           | 7343         | 51.9                  | 138.3               |                      | 193                   | 27                   |
| 03214E                      | 5019N             | 2723-07521                                     | 00000/0000       | 2-20038/1355        | 01/14/77         | 20           | 76           | 13.0                  | 149.7               |                      | 196                   | 21                   |
| 03213E                      | 7325N             | 2541-11040                                     | 00000/0000       | 2-20024/1542        | 07/16/76         | 60           | 7540         | 31.4                  | 198.6               |                      | 194                   | 25                   |
| 03213E                      | 5312N             | 2540-08022                                     | 00000/0000       | 2-20030/1771        | 08/24/76         | 90           | 8082         | 42.3                  | 141.9               |                      | 223                   | 2                    |
| 03213E                      | 5309N             | 2476-08040                                     | 00000/0000       | 2-20022/1153        | 04/02/76         | 0            | 6074         | 37.0                  | 145.5               |                      | 195                   | 23                   |
| 03213E                      | 5018N             | 2527-07570                                     | 00000/0000       | 2-20032/1084        | 09/10/76         | 30           | 8319         | 38.9                  | 143.5               |                      | 195                   | 23                   |
| 03213E                      | 5010N             | 2449-08000                                     | 00000/0000       | 2-20022/0146        | 05/25/76         | 10           | 6813         | 53.9                  | 134.2               |                      | 194                   | 25                   |
| 03212E                      | 5541N             | 2549-08092                                     | 00000/0000       | 2-20027/0191        | 06/14/76         | 70           | 7092         | 52.6                  | 139.5               |                      | 196                   | 25                   |
| 03212E                      | 5305N             | 2724-07571                                     | 00000/0000       | 2-20038/1458        | 01/15/77         | 10           | 90           | 11.1                  | 150.9               |                      | 196                   | 25                   |
| 03212E                      | 5016N             | 2561-07580                                     | 00000/0000       | 2-20030/0835        | 08/05/76         | 50           | 7817         | 49.0                  | 133.8               |                      | 195                   | 23                   |
| 03211E                      | 7933N             | 2470-11114                                     | 00000/0000       | 2-20024/1752        | 05/06/76         | 40           | 6550         | 26.4                  | 202.7               |                      | 194                   | 25                   |
| 03211E                      | 5015N             | 2627-07534                                     | 00000/0000       | 2-20037/0562        | 12/09/76         | 90           | 9574         | 13.0                  | 154.2               |                      | 228                   | 2                    |
| 03210E                      | 5008N             | 2525-07590                                     | 00000/0000       | 2-20028/0454        | 06/30/76         | 30           | 7315         | 54.9                  | 129.5               |                      | 194                   | 25                   |
| 03210E                      | 5007N             | 2507-07593                                     | 00000/0000       | 2-20024/1517        | 06/12/76         | 40           | 7064         | 55.4                  | 130.9               |                      | 194                   | 25                   |
| 03209E                      | 5543N             | 2545-08080                                     | 00000/0000       | 2-20029/0138        | 07/20/76         | 80           | 7594         | 49.4                  | 138.9               |                      | 196                   | 21                   |
| 03209E                      | 5306N             | 2538-08015                                     | 00000/0000       | 2-20032/1157        | 09/11/76         | 20           | 8333         | 36.8                  | 146.4               |                      | 195                   | 23                   |
| 03209E                      | 5258N             | 2430-08045                                     | 00000/0000       | 2-20026/0174        | 05/26/76         | 10           | 6827         | 52.5                  | 138.2               |                      | 195                   | 23                   |
| 03209E                      | 5010N             | 2417-08020                                     | 00000/0000       | 2-20021/1624        | 03/14/76         | 0            | 5809         | 31.6                  | 144.7               |                      | 194                   | 25                   |
| 03209E                      | 5005N             | 2623-07555                                     | 00000/0000       | 2-20034/0867        | 10/16/76         | 10           | 5821         | 27.0                  | 151.8               |                      | 194                   | 25                   |
| 03208E                      | 5300N             | 2415-08045                                     | 00000/0000       | 2-20021/1642        | 03/15/76         | 10           | 5823         | 30.1                  | 146.9               |                      | 195                   | 23                   |
| 03208E                      | 5008N             | 2399-08027                                     | 00000/0000       | 2-20021/0703        | 02/25/76         | 0            | 5558         | 24.9                  | 146.6               |                      | 194                   | 25                   |
| 03208E                      | 5006N             | 2669-07543                                     | 00000/0000       | 2-20035/1130        | 11/21/76         | 100          | 9327         | 16.3                  | 154.9               |                      | 194                   | 25                   |
| 03207E                      | 5010N             | 2615-07543                                     | 00000/0000       | 2-20034/0020        | 09/28/76         | 60           | 8570         | 33.0                  | 148.1               |                      | 194                   | 25                   |
| 03207E                      | 5008N             | 2543-07543                                     | 00000/0000       | 2-20024/1339        | 07/18/76         | 50           | 7566         | 52.7                  | 130.5               |                      | 194                   | 25                   |
| 03207E                      | 5005N             | 2651-07551                                     | 00000/0000       | 2-20035/0504        | 11/03/76         | 90           | 9072         | 21.2                  | 154.1               |                      | 194                   | 25                   |
| 03206E                      | 7738N             | 2551-10144                                     | 00000/0000       | 2-20030/0173        | 07/26/76         | 90           | 7679         | 31.7                  | 185.9               |                      | 194                   | 25                   |
| 03206E                      | 5302N             | 2688-07543                                     | 00000/0000       | 2-20037/0472        | 12/10/76         | 80           | 9588         | 10.6                  | 155.4               |                      | 220                   | 4                    |
| 03206E                      | 5300N             | 2616-08012                                     | 00000/0000       | 2-20034/0143        | 09/29/76         | 90           | 8584         | 30.6                  | 150.5               |                      | 195                   | 23                   |
| 03206E                      | 5256N             | 2526-08035                                     | 00000/0000       | 2-20024/0261        | 07/01/76         | 60           | 7329         | 53.5                  | 133.9               |                      | 195                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



J2:44 APR 24, 77

LANDSAT-2  
COORDINATE LISTING  
FOR KENYAS  
FROM 11/22/76 TO 11/22/77

PAGE 1130

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>ROW | ROLL NO./<br>IN ROLL<br>MSC | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03205E                                  | 5240N             | 26720-07540                  | 00000/0000                  | 2-20034/1601     | 11/22/76            | 90              | 9337         | 13.8         | 156.3                              | GGGG                |                      | 195                   | 23                   |
| 03205E                                  | 5255N             | 2638-08040                   | 00000/0000                  | 2-20026/1426     | 16/13/76            | 80              | 7078         | 54.1         | 135.3                              | GGGG                |                      | 195                   | 23                   |
| 03205E                                  | 5253N             | 2652-08000                   | 00000/0000                  | 2-20035/0557     | 11/04/76            | 100             | 9086         | 18.7         | 155.8                              | GGGG                |                      | 195                   | 23                   |
| 03205E                                  | 4955N             | 2341-08330                   | 00000/0000                  | 2-20024/0933     | 12/07/76            | 10              | 5307         | 19.2         | 143.7                              | FGGG                |                      | 194                   | 25                   |
| 03204E                                  | 5258N             | 2544-08010                   | 00000/0000                  | 2-20029/0037     | 07/19/76            | 90              | 7580         | 51.1         | 134.8                              | GGGG                |                      | 195                   | 23                   |
| 03204E                                  | 5254N             | 2400-08370                   | 00000/0000                  | 2-20021/0720     | 12/26/76            | 100             | 5572         | 23.3         | 143.3                              | FGGG                |                      | 195                   | 23                   |
| 03204E                                  | 1843N             | 2374-07321                   | 00000/0000                  | 2-20020/0665     | 11/31/76            | 0               | 5209         | 37.8         | 131.8                              | FFGG                |                      | 187                   | 47                   |
| 03203E                                  | 5254N             | 2634-08304                   | 00000/0000                  | 2-20034/0876     | 10/17/76            | 30              | 8835         | 24.5         | 153.8                              | GGGG                |                      | 195                   | 23                   |
| 03202E                                  | 2842S             | 2366-07001                   | 00000/0000                  | 2-20020/0153     | 11/23/76            | 20              | 5097         | 47.5         | 88.2                               | FFFF                |                      | 179                   | 80                   |
| 03200E                                  | 7530N             | 2545-09450                   | 00000/0000                  | 2-20029/0146     | 07/20/76            | 100             | 7595         | 35.1         | 176.6                              | GGGG                |                      | 214                   | 6                    |
| 03200E                                  | 0244N             | 2352-08375                   | 00000/0000                  | 2-20020/1224     | 02/08/76            | 80              | 5321         | 17.4         | 150.1                              | FFFF                |                      | 195                   | 23                   |
| 03156E                                  | 0300N             | 2371-07210                   | 00000/0000                  | 2-20020/0441     | 01/28/76            | 60              | 5167         | 45.7         | 116.8                              | GGGG                |                      | 184                   | 60                   |
| 03155E                                  | 4607N             | 2452-07560                   | 00000/0000                  | 2-20024/0126     | 04/18/76            | 20              | 6297         | 47.1         | 136.1                              | FFFF                |                      | 193                   | 28                   |
| 03154E                                  | 1846S             | 2566-07031                   | 00000/0000                  | 2-20030/1022     | 08/10/76            | 10              | 7886         | 35.1         | 54.3                               | FFFF                |                      | 181                   | 73                   |
| 03151E                                  | 7527N             | 2527-09455                   | 00000/0000                  | 2-20028/0564     | 07/02/76            | 70              | 7344         | 37.6         | 177.1                              | GGGG                |                      | 214                   | 6                    |
| 03151E                                  | 6927N             | 2428-08555                   | 00000/0000                  | 2-20027/0460     | 03/25/76            | 20              | 5963         | 21.7         | 164.1                              | GGGG                |                      | 205                   | 11                   |
| 03151E                                  | 4605N             | 2704-07443                   | 00000/0000                  | 2-20038/0340     | 12/26/76            | 20              | 9811         | 15.0         | 150.6                              | GGGG                |                      | 193                   | 28                   |
| 03150E                                  | 4608N             | 2578-07530                   | 00000/0000                  | 2-20030/1747     | 08/22/76            | 90              | 8054         | 46.9         | 133.3                              | GGGG                |                      | 193                   | 28                   |
| 03150E                                  | 4602N             | 2470-07555                   | 00000/0000                  | 2-20024/1749     | 15/06/76            | 50              | 6548         | 52.4         | 132.2                              | FGGG                |                      | 193                   | 28                   |
| 03150E                                  | 4601N             | 2434-07570                   | 00000/0000                  | 2-20022/1072     | 13/31/76            | 60              | 6046         | 40.8         | 139.0                              | G                   |                      | 193                   | 28                   |
| 03150E                                  | 4600N             | 2560-07533                   | 00000/0000                  | 2-20030/0730     | 08/04/76            | 0               | 7803         | 51.3         | 127.7                              | GGGG                |                      | 193                   | 28                   |
| 03150E                                  | 2547N             | 2394-07401                   | 00000/0000                  | 2-20021/0342     | 02/20/76            | 10              | 5488         | 36.7         | 133.3                              | FGGG                |                      | 189                   | 40                   |
| 03150E                                  | 0545N             | 2372-07243                   | 00000/0000                  | 2-20020/0543     | 01/29/76            | 10              | 5181         | 43.7         | 121.9                              | GGGG                |                      | 185                   | 56                   |
| 03149E                                  | 5722N             | 2456-08155                   | 00000/0000                  | 2-20024/0450     | 04/22/76            | 70              | 6353         | 41.4         | 148.4                              | GGGG                |                      | 197                   | 20                   |
| 03149E                                  | 4604N             | 2722-07475                   | 00000/0000                  | 2-20032/1481     | 11/13/77            | 80              | 62           | 16.0         | 147.9                              | GGGG                |                      | 193                   | 28                   |
| 03148E                                  | 4556N             | 2434-07553                   | 00000/0000                  | 2-20024/1165     | 05/24/76            | 10              | 6799         | 55.8         | 127.3                              | GGGG                |                      | 193                   | 28                   |
| 03147E                                  | 5719N             | 2474-08150                   | 00000/0000                  | 2-20025/0107     | 05/10/76            | 0               | 6804         | 46.7         | 146.6                              | GGGG                |                      | 197                   | 20                   |
| 03147E                                  | 5718N             | 2430-08163                   | 00000/0000                  | 2-20022/1311     | 04/04/76            | 90              | 6102         | 34.9         | 149.5                              | GGGG                |                      | 197                   | 20                   |
| 03147E                                  | 4602N             | 2596-07523                   | 00000/0000                  | 2-20032/0742     | 09/09/76            | 10              | 8305         | 41.9         | 139.0                              | FFFF                |                      | 193                   | 28                   |
| 03147E                                  | 4601N             | 2646-07491                   | 00000/0000                  | 2-20037/0571     | 12/08/76            | 80              | 9560         | 16.4         | 152.4                              | GGGG                |                      | 193                   | 28                   |
| 03146E                                  | 4559N             | 2614-07520                   | 00000/0000                  | 2-20034/0036     | 09/27/76            | 70              | 8556         | 36.3         | 144.5                              | GGGG                |                      | 193                   | 28                   |
| 03146E                                  | 4555N             | 2416-07573                   | 00000/0000                  | 2-20021/1531     | 03/13/76            | 80              | 5795         | 34.0         | 141.5                              | FGGG                |                      | 193                   | 28                   |
| 03145E                                  | 4552N             | 2524-07543                   | 00000/0000                  | 2-20020/0285     | 06/29/76            | 20              | 7301         | 56.6         | 122.4                              | GGGG                |                      | 193                   | 28                   |
| 03144E                                  | 7750N             | 2462-10264                   | 00000/0000                  | 2-20024/1259     | 04/28/76            | 20              | 6438         | 26.3         | 190.1                              | GGGG                |                      | 220                   | 4                    |
| 03144E                                  | 4553N             | 2632-07512                   | 00000/0000                  | 2-20034/0821     | 10/15/76            | 100             | 8807         | 30.4         | 143.9                              | GGGG                |                      | 193                   | 28                   |

KEYS: CLOUD COVER ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=IR GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1131

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03144E 4553N                            | 2668-07500        | 00000/0000                   | 2-20036/1096                | 11/20/76         | 30                 | 9309            | 19.9         | 152.9        | GGGG                               |                     |                      | 193                   | 28                   |
| 03144E 4550N                            | 2536-07550        | 00000/0000                   | 2-20026/1344                | 06/11/76         | 20                 | 7050            | 57.2         | 123.9        | FFGG                               |                     |                      | 193                   | 28                   |
| 03143E 1717N                            | 2374-07323        | 00000/0000                   | 2-20020/0666                | 01/31/76         | 0                  | 5209            | 38.6         | 130.7        | FFGG                               |                     |                      | 187                   | 48                   |
| 03142E 5720N                            | 2582-08123        | 00000/0000                   | 2-20032/0079                | 08/26/76         | 20                 | 8110            | 39.1         | 147.0        | FGGG                               |                     |                      | 197                   | 20                   |
| 03142E 5717N                            | 2600-08120        | 00000/0000                   | 2-20032/1313                | 09/13/76         | 60                 | 8361            | 33.1         | 150.8        | FGGG                               |                     |                      | 197                   | 20                   |
| 03142E 4551N                            | 2398-07580        | 00000/0000                   | 2-20021/0665                | 02/24/76         | 20                 | 5544            | 27.4         | 143.9        | GGGG                               |                     |                      | 193                   | 28                   |
| 03141E 7030S                            | 2403-05342        | 00000/0000                   | 2-20021/0869                | 02/29/76         | 80                 | 5612            | 14.7         | 71.5         | FGFF                               |                     |                      | 162                   | 110                  |
| 03140E 7848N                            | 2466-10491        | 00000/0000                   | 2-20024/1182                | 05/02/76         | 10                 | 6494            | 26.3         | 196.2        | GGGG                               |                     |                      | 224                   | 3                    |
| 03140E 5717N                            | 2564-08130        | 00000/0000                   | 2-20032/0238                | 08/08/76         | 70                 | 7859            | 44.3         | 143.5        | GGGG                               |                     |                      | 197                   | 20                   |
| 03140E 5711N                            | 2492-08150        | 00000/0000                   | 2-20026/0249                | 05/28/76         | 90                 | 6855            | 50.3         | 144.1        | GGGG                               |                     |                      | 197                   | 20                   |
| 03140E 4551N                            | 2650-07504        | 00000/0000                   | 2-20035/0473                | 11/02/76         | 40                 | 9058            | 24.8         | 151.7        | GFGG                               |                     |                      | 193                   | 28                   |
| 03140E 4542N                            | 2380-07583        | 00000/0000                   | 2-20020/1087                | 02/06/76         | 90                 | 5293            | 21.9         | 146.5        | GFGG                               |                     |                      | 193                   | 28                   |
| 03139E 4850N                            | 2471-08005        | 00000/0000                   | 2-20024/1757                | 05/07/76         | 50                 | 6562            | 51.1         | 135.8        | GGGG                               |                     |                      | 194                   | 26                   |
| 03138E 4855N                            | 2705-07532        | 00000/0000                   | 2-20038/0343                | 12/27/76         | 20                 | 9825            | 12.9         | 151.7        | GGG                                |                     |                      | 194                   | 26                   |
| 03137E 6255N                            | 2459-08312        | 00000/0000                   | 2-20024/0617                | 04/25/76         | 80                 | 6395            | 38.4         | 155.0        | GGGG                               |                     |                      | 200                   | 16                   |
| 03136E 4853N                            | 2435-08015        | 00000/0000                   | 2-20022/1722                | 04/01/76         | 20                 | 6060            | 39.4         | 141.6        | GGGG                               |                     |                      | 194                   | 26                   |
| 03135E 5150N                            | 2454-08061        | 00000/0000                   | 2-20024/0147                | 04/20/76         | 10                 | 6325            | 44.4         | 142.3        | GGGG                               |                     |                      | 195                   | 24                   |
| 03135E 4854N                            | 2723-07524        | 00000/0000                   | 2-20035/1356                | 01/18/77         | 30                 | 76              | 14.1         | 149.0        | GGGG                               |                     |                      | 194                   | 26                   |
| 03134E 5709N                            | 2546-08133        | 00000/0000                   | 2-20029/0061                | 07/21/76         | 30                 | 7608            | 48.4         | 141.0        | GGGG                               |                     |                      | 197                   | 20                   |
| 03134E 5433N                            | 2455-08110        | 00000/0000                   | 2-20024/0262                | 04/21/76         | 90                 | 6339            | 43.0         | 145.3        | GGGG                               |                     |                      | 196                   | 22                   |
| 03134E 4854N                            | 2597-07572        | 00000/0000                   | 2-20032/1085                | 09/10/76         | 10                 | 8319            | 39.9         | 142.1        | GGGG                               |                     |                      | 194                   | 26                   |
| 03134E 4851N                            | 2561-07582        | 00000/0000                   | 2-20030/0836                | 08/05/76         | 40                 | 7817            | 49.7         | 131.9        | GGGG                               |                     |                      | 194                   | 26                   |
| 03134E 4846N                            | 2489-08002        | 00000/0000                   | 2-20026/0187                | 05/25/76         | 30                 | 6813            | 54.6         | 132.0        | GGGG                               |                     |                      | 194                   | 26                   |
| 03133E 5706N                            | 2528-08140        | 00000/0000                   | 2-20028/0613                | 07/03/76         | 60                 | 7357            | 51.0         | 140.4        | GGGG                               |                     |                      | 197                   | 20                   |
| 03133E 5142N                            | 2472-08054        | 00000/0000                   | 2-20025/0042                | 05/03/76         | 70                 | 6576            | 49.8         | 139.5        | GGGG                               |                     |                      | 195                   | 24                   |
| 03133E 4851N                            | 2687-07541        | 00000/0000                   | 2-20037/0563                | 12/09/76         | 60                 | 9574            | 14.1         | 153.6        | GGGG                               |                     |                      | 194                   | 26                   |
| 03133E 2012S                            | 2566-07034        | 00000/0000                   | 2-20030/1023                | 08/10/76         | 0                  | 7886            | 34.1         | 53.6         | FFFF                               |                     |                      | 181                   | 74                   |
| 03132E 4844N                            | 2525-07593        | 00000/0000                   | 2-20028/0455                | 06/30/76         | 20                 | 7315            | 55.5         | 127.2        | GGGG                               |                     |                      | 194                   | 26                   |
| 03132E 4842N                            | 2507-07595        | 00000/0000                   | 2-20026/1518                | 06/12/76         | 70                 | 7064            | 56.1         | 128.6        | GGGG                               |                     |                      | 194                   | 26                   |
| 03131E 4846N                            | 2417-08022        | 00000/0000                   | 2-20021/1625                | 03/14/76         | 0                  | 5809            | 32.5         | 143.6        | GGGG                               |                     |                      | 194                   | 26                   |
| 03131E 1009N                            | 2553-07240        | 00000/0000                   | 2-20030/0243                | 07/28/76         | 20                 | 7705            | 51.3         | 72.3         | GGGG                               |                     |                      | 186                   | 53                   |
| 03130E 5429N                            | 2473-08103        | 00000/0000                   | 2-20024/1617                | 05/09/76         | 10                 | 6590            | 48.3         | 143.0        | GGGG                               |                     |                      | 196                   | 22                   |
| 03130E 5424N                            | 2491-08101        | 00000/0000                   | 2-20026/0339                | 05/27/76         | 50                 | 6841            | 51.9         | 140.2        | GGGG                               |                     |                      | 196                   | 22                   |
| 03130E 5147N                            | 2580-08024        | 00000/0000                   | 2-20030/1772                | 08/24/76         | 90                 | 8082            | 43.2         | 140.4        | GGGG                               |                     |                      | 195                   | 24                   |
| 03130E 5144N                            | 2436-08064        | 00000/0000                   | 2-20022/1164                | 04/02/76         | 0                  | 6074            | 38.0         | 144.2        | FGGG                               |                     |                      | 195                   | 24                   |

KEYS: CLUD COVER % ..... 0 TO 100 = % CLUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 LANDSAT-2  
 COORDINATE LISTING  
 FOR NON-US

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FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03130E 4842N                            | 2669-07545        | 00000/0000 2-20036/1131                            | 11/21/76         | 90                  | 9323            | 17.4         | 154.2        |                                    |                     |                      |                       |                      |
| 03130E 4840N                            | 2633-07562        | 00000/0000 2-20034/0868                            | 10/16/76         | 60                  | 8821            | 28.0         | 150.9        | GGGG                               |                     |                      | 194                   | 26                   |
| 03130E 1009N                            | 2571-07233        | 00000/0000 2-20030/1341                            | 08/15/76         | 90                  | 7956            | 52.0         | 80.2         | GGGG                               |                     |                      | 194                   | 26                   |
| 03130E 0419N                            | 2372-07245        | 00000/0000 2-20020/0544                            | 01/29/76         | 10                  | 5181            | 44.2         | 120.6        | GGGG                               |                     |                      | 186                   | 53                   |
| 03129E 7929N                            | 2488-11111        | 00000/0000 2-20026/0011                            | 05/24/76         | 90                  | 6801            | 30.7         | 202.2        | GGGG                               |                     |                      | 185                   | 57                   |
| 03129E 7635N                            | 2530-10023        | 00000/0000 2-20028/0768                            | 07/05/76         | 100                 | 7386            | 36.2         | 181.5        | GGGG                               |                     |                      | 229                   | 2                    |
| 03129E 5143N                            | 2724-07573        | 00000/0000 2-20032/1459                            | 01/15/77         | 10                  | 90              | 12.1         | 150.2        | GGGG                               |                     |                      | 217                   | 5                    |
| 03129E 4846N                            | 2615-07565        | 00000/0000 2-20034/0021                            | 09/28/76         | 50                  | 8570            | 34.0         | 147.0        | GGGG                               |                     |                      | 195                   | 24                   |
| 03129E 4844N                            | 2399-08030        | 00000/0000 2-20021/0704                            | 02/25/76         | 0                   | 5558            | 25.8         | 145.7        | GGGG                               |                     |                      | 194                   | 26                   |
| 03129E 4840N                            | 2651-07554        | 00000/0000 2-20035/0505                            | 11/03/76         | 100                 | 9072            | 22.3         | 153.4        | GGGG                               |                     |                      | 194                   | 26                   |
| 03128E 5427N                            | 2563-08081        | 00000/0000 2-20030/0707                            | 08/07/76         | 60                  | 7845            | 46.2         | 139.7        | GGGG                               |                     |                      | 194                   | 26                   |
| 03128E 4843N                            | 2543-07590        | 00000/0000 2-20028/1340                            | 07/18/76         | 70                  | 7566            | 53.3         | 128.3        | GGGG                               |                     |                      | 196                   | 22                   |
| 03127E 5428N                            | 2599-08071        | 00000/0000 2-20032/1097                            | 09/12/76         | 50                  | 8347            | 35.5         | 147.9        | GGGG                               |                     |                      | 194                   | 26                   |
| 03127E 5134N                            | 2490-08051        | 00000/0000 2-20024/0160                            | 05/26/76         | 20                  | 6827            | 53.3         | 136.1        | GGGG                               |                     |                      | 196                   | 22                   |
| 03127E 4831N                            | 2381-08033        | 00000/0000 2-20020/0934                            | 02/07/76         | 20                  | 5307            | 20.2         | 147.9        | GGGG                               |                     |                      | 195                   | 24                   |
| 03127E 2556S                            | 2421-07034        | 00000/0000 2-20027/0240                            | 03/18/76         | 10                  | 5864            | 40.3         | 67.0         | GGGG                               |                     |                      | 194                   | 26                   |
| 03126E 5425N                            | 2617-08063        | 00000/0000 2-20034/0174                            | 09/30/76         | 10                  | 8598            | 29.2         | 151.9        | GGGG                               |                     |                      | 180                   | 78                   |
| 03126E 5421N                            | 2527-08091        | 00000/0000 2-20028/0555                            | 07/02/76         | 60                  | 7343            | 52.7         | 136.2        | GGGG                               |                     |                      | 196                   | 22                   |
| 03126E 5141N                            | 2598-08021        | 00000/0000 2-20032/1168                            | 09/11/76         | 30                  | 8333            | 37.7         | 145.0        | FF                                 |                     |                      | 196                   | 22                   |
| 03126E 2721N                            | 2394-07404        | 00000/0000 2-20021/0343                            | 02/20/76         | 10                  | 5488            | 37.5         | 132.2        | GGGG                               |                     |                      | 195                   | 24                   |
| 03125E 6414N                            | 2460-08364        | 00000/0000 2-20024/0856                            | 04/26/76         | 40                  | 6409            | 37.7         | 156.8        | GGGG                               |                     |                      | 189                   | 41                   |
| 03125E 5137N                            | 2418-08072        | 00000/0000 2-20021/1683                            | 03/15/76         | 0                   | 5823            | 31.0         | 145.7        | GGGG                               |                     |                      | 201                   | 15                   |
| 03125E 7034S                            | 2385-05345        | 00000/0000 2-20020/1338                            | 02/11/76         | 40                  | 5361            | 20.6         | 74.1         | GGGG                               |                     |                      | 195                   | 24                   |
| 03124E 8016N                            | 2458-11455        | 00000/0000 2-20024/0475                            | 04/24/76         | 10                  | 6383            | 21.5         | 210.2        | GGGG                               |                     |                      | 162                   | 110                  |
| 03124E 6658N                            | 2462-08471        | 00000/0000 2-20024/0800                            | 04/28/76         | 100                 | 6437            | 36.2         | 160.7        | GGGG                               |                     |                      | 221                   | 248                  |
| 03124E 6244N                            | 2423-08323        | 00000/0000 2-20027/0293                            | 03/20/76         | 10                  | 5893            | 25.0         | 155.4        | GGGG                               |                     |                      | 203                   | 13                   |
| 03124E 5420N                            | 2671-08044        | 00000/0000 2-20036/1219                            | 11/23/76         | 60                  | 9351            | 12.5         | 157.0        | GGGG                               |                     |                      | 200                   | 16                   |
| 03124E 5419N                            | 2653-08052        | 00000/0000 2-20036/0009                            | 11/05/76         | 90                  | 9100            | 17.2         | 156.7        | GGGG                               |                     |                      | 196                   | 22                   |
| 03124E 5417N                            | 2509-08094        | 00000/0000 2-20027/0192                            | 06/14/76         | 40                  | 7092            | 53.4         | 137.3        | GGGG                               |                     |                      | 196                   | 22                   |
| 03124E 5136N                            | 2616-08014        | 00000/0000 2-20034/0144                            | 09/29/76         | 100                 | 8584            | 31.7         | 149.4        | GGGG                               |                     |                      | 196                   | 22                   |
| 03123E 5420N                            | 2545-08084        | 00000/0000 2-20029/0139                            | 07/20/76         | 70                  | 7594            | 50.2         | 136.9        | GGGG                               |                     |                      | 195                   | 24                   |
| 03123E 5138N                            | 2688-07590        | 00000/0000 2-20037/0473                            | 12/10/76         | 60                  | 9588            | 11.8         | 154.8        | GGGG                               |                     |                      | 196                   | 22                   |
| 03123E 5133N                            | 2670-07594        | 00000/0000 2-20036/1662                            | 11/22/76         | 100                 | 9337            | 14.9         | 155.6        | GGGG                               |                     |                      | 195                   | 24                   |
| 03123E 5130N                            | 2508-08045        | 00000/0000 2-20026/1427                            | 06/13/76         | 70                  | 7078            | 54.8         | 133.1        | GGGG                               |                     |                      | 195                   | 24                   |
| 03123E 2555S                            | 2403-07041        | 00000/0000 2-20021/0879                            | 02/29/76         | 20                  | 5613            | 43.1         | 75.8         | GGGG                               |                     |                      | 180                   | 78                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS BAND NOT AVAILABLE. S=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RALI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03122E                      | 8008N             | 2493-11392            | 00000/0000                  | 2-20026/0448     | 05/29/76            | 60              | 6871         | 30.4         | 209.3                              | GGGG                |                      | 234                   | 1                    |
| 03122E                      | 7835N             | 2537-10414            | 00000/0000                  | 2-20028/1813     | 07/12/76            | 10              | 7484         | 33.2         | 192.0                              | GGGF                |                      | 224                   | 3                    |
| 03122E                      | 5133N             | 2544-08035            | 00000/0000                  | 2-20029/0038     | 07/19/76            | 50              | 7580         | 51.8         | 132.7                              | GGGG                |                      | 195                   | 24                   |
| 03122E                      | 5130N             | 2400-08075            | 00000/0000                  | 2-20021/0721     | 02/26/76            | 100             | 5572         | 24.3         | 147.4                              | FGGG                |                      | 195                   | 24                   |
| 03122E                      | 5129N             | 2652-08007            | 00000/0000                  | 2-20035/0558     | 11/04/76            | 100             | 9086         | 19.8         | 155.0                              | GGGG                |                      | 195                   | 24                   |
| 03122E                      | 1550N             | 2374-07330            | 00000/0000                  | 2-20020/0667     | 01/31/76            | 0               | 5209         | 39.3         | 129.7                              | FFGG                |                      | 187                   | 49                   |
| 03122E                      | 2552S             | 2367-07050            | 00000/0000                  | 2-20020/0237     | 01/24/76            | 90              | 5111         | 47.9         | 90.8                               | GGGG                |                      | 180                   | 78                   |
| 03121E                      | 2552S             | 2385-07044            | 00000/0000                  | 2-20021/0101     | 02/11/76            | 100             | 5362         | 45.6         | 84.1                               | GFFG                |                      | 180                   | 78                   |
| 03120E                      | 6538N             | 2461-08420            | 00000/0000                  | 2-20024/0827     | 04/27/76            | 50              | 6423         | 37.0         | 158.7                              | GGGG                |                      | 202                   | 14                   |
| 03120E                      | 5418N             | 2635-08060            | 00000/0000                  | 2-20034/1078     | 10/18/76            | 20              | 8849         | 23.0         | 154.9                              | GGGG                |                      | 196                   | 22                   |
| 03120E                      | 5130N             | 2634-08011            | 00000/0000                  | 2-20034/0877     | 10/17/76            | 10              | 8835         | 25.6         | 152.9                              | GGGG                |                      | 195                   | 24                   |
| 03118E                      | 7747N             | 2480-10262            | 00000/0000                  | 2-20025/0511     | 05/16/76            | 10              | 6689         | 31.2         | 190.1                              | GGGG                |                      | 221                   | 4                    |
| 03118E                      | 7650N             | 2459-10100            | 00000/0000                  | 2-20024/0273     | 04/25/76            | 40              | 6396         | 26.4         | 185.0                              | GGGG                |                      | 217                   | 5                    |
| 03118E                      | 5120N             | 2382-08082            | 00000/0000                  | 2-20020/1225     | 02/08/76            | 10              | 5321         | 18.5         | 149.3                              | GGGG                |                      | 195                   | 24                   |
| 03112E                      | 2139S             | 2566-07040            | 00000/0000                  | 2-20030/1024     | 08/10/76            | 0               | 7886         | 33.0         | 53.1                               | FFFF                |                      | 181                   | 75                   |
| 03112E                      | 6745S             | 2370-05512            | 00000/0000                  | 2-20020/0464     | 01/27/76            | 100             | 5152         | 27.0         | 72.7                               | GGGG                |                      | 165                   | 108                  |
| 03111E                      | 7541N             | 2474-09525            | 00000/0000                  | 2-20025/0119     | 05/10/76            | 90              | 6605         | 32.0         | 180.7                              | GGGG                |                      | 215                   | 6                    |
| 03110E                      | 6403N             | 2424-08375            | 00000/0000                  | 2-20022/0401     | 03/21/76            | 50              | 5907         | 24.4         | 156.8                              | GGGG                |                      | 201                   | 15                   |
| 03110E                      | 0843N             | 2553-07242            | 00000/0000                  | 2-20030/0244     | 07/28/76            | 10              | 7705         | 50.6         | 70.7                               | GGGG                |                      | 186                   | 54                   |
| 03106E                      | 0842N             | 2643-07214            | 00000/0000                  | 2-20035/0133     | 10/26/76            | 40              | 8960         | 49.8         | 121.3                              | GGGG                |                      | 186                   | 54                   |
| 03104E                      | 4734N             | 2453-08014            | 00000/0000                  | 2-20023/0495     | 04/19/76            | 70              | 6311         | 46.7         | 137.6                              | GGGG                |                      | 194                   | 27                   |
| 03104E                      | 2722S             | 2421-07040            | 00000/0000                  | 2-20022/0241     | 03/18/76            | 10              | 5864         | 39.5         | 66.1                               | GGGG                |                      | 180                   | 79                   |
| 03103E                      | 2555N             | 2394-07410            | 00000/0000                  | 2-20021/0344     | 02/20/76            | 10              | 5488         | 38.3         | 131.1                              | GGGG                |                      | 189                   | 42                   |
| 03102E                      | 4726N             | 2471-08011            | 00000/0000                  | 2-20034/1758     | 05/07/76            | 30              | 6562         | 51.9         | 133.9                              | GGGG                |                      | 194                   | 27                   |
| 03101E                      | 4730N             | 2705-07535            | 00000/0000                  | 2-20038/0344     | 12/27/76            | 10              | 9825         | 13.9         | 151.0                              | GGGG                |                      | 194                   | 27                   |
| 03100E                      | 6523N             | 2551-08393            | 00000/0000                  | 2-20030/0152     | 07/26/76            | 50              | 7678         | 42.0         | 153.6                              | GGGG                |                      | 202                   | 14                   |
| 03100E                      | 1424N             | 2374-07332            | 00000/0000                  | 2-20020/0668     | 01/31/76            | 0               | 5209         | 40.0         | 128.5                              | FFGG                |                      | 187                   | 50                   |
| 03059E                      | 2718S             | 2367-07053            | 00000/0000                  | 2-20020/0238     | 01/24/76            | 90              | 5111         | 47.7         | 89.3                               | GFFG                |                      | 180                   | 79                   |
| 03058E                      | 4729N             | 2723-07530            | 00000/0000                  | 2-20038/1357     | 01/14/77            | 80              | 76           | 15.1         | 148.3                              | GGGG                |                      | 194                   | 27                   |
| 03058E                      | 4721N             | 2489-08005            | 00000/0000                  | 2-20026/0188     | 05/25/76            | 50              | 6813         | 55.3         | 129.8                              | GGGG                |                      | 194                   | 27                   |
| 03057E                      | 5558N             | 2456-08162            | 00000/0000                  | 2-20024/0451     | 04/22/76            | 70              | 6353         | 42.4         | 146.8                              | GGGG                |                      | 197                   | 21                   |
| 03057E                      | 4728N             | 2597-07575            | 00000/0000                  | 2-20032/1086     | 09/10/76            | 10              | 8319         | 40.8         | 140.8                              | GGGG                |                      | 194                   | 27                   |
| 03057E                      | 2718S             | 2385-07050            | 00000/0000                  | 2-20021/0102     | 02/11/76            | 100             | 5362         | 45.1         | 82.8                               | GGGG                |                      | 180                   | 79                   |
| 03056E                      | 7646N             | 2477-10093            | 00000/0000                  | 2-20025/0283     | 05/13/76            | 20              | 6647         | 31.7         | 185.1                              | GGGG                |                      | 218                   | 5                    |
| 03056E                      | 5555N             | 2474-08155            | 00000/0000                  | 2-20025/0108     | 05/10/76            | 0               | 6604         | 47.6         | 144.8                              | GGGG                |                      | 197                   | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | GRAVITY<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|------------------------------------------------|------------------|---------------------|-------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03056E                      | 4726N | 2687-07543        | 00000/0000 2-20037/0564                        | 12/09/76         | 60                  | 9574              | 15.2         | 153.0        |                                    |                     |                      |                       |                      |
| 03056E                      | 4718N | 2507-08002        | 00000/0000 2-20026/1519                        | 06/12/76         | 90                  | 7064              | 56.7         | 126.2        | GGGG                               |                     |                      | 194                   | 27                   |
| 03055E                      | 7840N | 2484-10484        | 00000/0000 2-20025/0955                        | 05/20/76         | 20                  | 6745              | 31.0         | 195.6        | GGGF                               |                     |                      | 194                   | 27                   |
| 03055E                      | 6517N | 2407-08434        | 00000/0000 2-20021/1036                        | 03/04/76         | 10                  | 5670              | 16.7         | 158.3        | GGGG                               |                     |                      | 225                   | 3                    |
| 03054E                      | 7741N | 2498-10255        | 00000/0000 2-20026/1182                        | 06/03/76         | 90                  | 6940              | 34.6         | 189.0        | GGGG                               |                     |                      | 202                   | 14                   |
| 03054E                      | 5025N | 2454-08063        | 00000/0000 2-20024/0148                        | 04/20/76         | 10                  | 6325              | 45.3         | 140.7        | GGGG                               |                     |                      | 221                   | 4                    |
| 03053E                      | 4719N | 2399-08032        | 00000/0000 2-20021/0705                        | 02/25/76         | 0                   | 5558              | 26.8         | 144.7        | GGGG                               |                     |                      | 195                   | 25                   |
| 03053E                      | 4718N | 2669-07552        | 00000/0000 2-20036/1132                        | 11/21/76         | 70                  | 9323              | 18.6         | 153.6        | GGGG                               |                     |                      | 194                   | 27                   |
| 03053E                      | 4715N | 2633-07564        | 00000/0000 2-20034/0869                        | 10/16/76         | 100                 | 8821              | 29.1         | 150.0        | GGGG                               |                     |                      | 194                   | 27                   |
| 03053E                      | 4715N | 2651-07560        | 00000/0000 2-20035/0506                        | 11/03/76         | 100                 | 9072              | 23.4         | 152.6        | GGGG                               |                     |                      | 194                   | 27                   |
| 03052E                      | 5018N | 2472-08060        | 00000/0000 2-20025/0043                        | 05/03/76         | 70                  | 6576              | 50.6         | 137.6        | GGGG                               |                     |                      | 194                   | 27                   |
| 03052E                      | 4720N | 2615-07572        | 00000/0000 2-20034/0022                        | 09/28/76         | 20                  | 8570              | 35.0         | 145.9        | GGGG                               |                     |                      | 195                   | 25                   |
| 03052E                      | 4718N | 2543-07592        | 00000/0000 2-20028/1341                        | 07/18/76         | 70                  | 7566              | 53.9         | 126.1        | GGGG                               |                     |                      | 194                   | 27                   |
| 03052E                      | 6908S | 2337-05454        | 00000/0000 2-20020/1504                        | 02/13/76         | 70                  | 5389              | 21.1         | 72.3         | GGGG                               |                     |                      | 194                   | 27                   |
| 03051E                      | 7533N | 2492-09522        | 00000/0000 2-20026/0358                        | 05/28/76         | 90                  | 6856              | 36.0         | 179.8        | GGGG                               |                     |                      | 164                   | 109                  |
| 03051E                      | 5553N | 2600-08122        | 00000/0000 2-20032/1314                        | 09/13/76         | 10                  | 8361              | 34.1         | 149.4        | GGGG                               |                     |                      | 215                   | 6                    |
| 03051E                      | 1718S | 2567-07083        | 00000/0000 2-20030/1127                        | 08/11/76         | 0                   | 7900              | 36.3         | 55.2         | GGGG                               |                     |                      | 197                   | 21                   |
| 03050E                      | 5556N | 2582-08125        | 00000/0000 2-20032/0080                        | 08/26/76         | 20                  | 8110              | 40.0         | 145.4        | GGGG                               |                     |                      | 182                   | 72                   |
| 03050E                      | 5020N | 2436-08071        | 00000/0000 2-20027/1165                        | 04/02/76         | 10                  | 6074              | 38.9         | 142.8        | GGGG                               |                     |                      | 197                   | 21                   |
| 03049E                      | 5553N | 2564-08132        | 00000/0000 2-20032/0239                        | 08/08/76         | 70                  | 7859              | 45.1         | 141.7        | GGGG                               |                     |                      | 195                   | 25                   |
| 03049E                      | 5547N | 2492-08152        | 00000/0000 2-20026/0364                        | 05/28/76         | 90                  | 6855              | 51.2         | 142.0        | GGGG                               |                     |                      | 197                   | 21                   |
| 03049E                      | 5023N | 2580-08031        | 00000/0000 2-20030/1773                        | 08/24/76         | 40                  | 8082              | 44.0         | 138.8        | GGGG                               |                     |                      | 197                   | 21                   |
| 03049E                      | 2305S | 2566-07043        | 00000/0000 2-20030/1025                        | 08/10/76         | 0                   | 7886              | 31.9         | 52.5         | GGGG                               |                     |                      | 195                   | 25                   |
| 03048E                      | 7926N | 2506-11104        | 00000/0000 2-20026/1347                        | 06/11/76         | 60                  | 7052              | 33.1         | 200.7        | FFFF                               |                     |                      | 181                   | 76                   |
| 03048E                      | 5309N | 2455-08113        | 00000/0000 2-20024/0263                        | 04/21/76         | 80                  | 6339              | 43.9         | 143.7        | GGGG                               |                     |                      | 229                   | 2                    |
| 03048E                      | 5019N | 2724-07580        | 00000/0000 2-20038/1460                        | 01/15/77         | 10                  | 90                | 13.2         | 149.5        | GGGG                               |                     |                      | 196                   | 23                   |
| 03048E                      | 3012N | 2395-07453        | 00000/0000 2-20021/0283                        | 02/21/76         | 10                  | 5502              | 36.2         | 134.1        | GGGG                               |                     |                      | 195                   | 25                   |
| 03047E                      | 5308N | 2437-08120        | 00000/0000 2-20027/1157                        | 04/03/76         | 0                   | 6088              | 37.4         | 145.4        | GGGG                               |                     |                      | 190                   | 39                   |
| 03047E                      | 5009N | 2490-08054        | 00000/0000 2-20026/0175                        | 05/26/76         | 20                  | 6827              | 54.1         | 133.9        | GGGG                               |                     |                      | 196                   | 23                   |
| 03046E                      | 5310N | 2581-08080        | 00000/0000 2-20032/0096                        | 08/25/76         | 10                  | 8096              | 42.1         | 142.2        | GGGG                               |                     |                      | 195                   | 25                   |
| 03046E                      | 5307N | 2725-08025        | 00000/0000 2-20038/1505                        | 01/16/77         | 0                   | 104               | 11.2         | 150.7        | GGGG                               |                     |                      | 196                   | 23                   |
| 03046E                      | 0716N | 2643-07220        | 00000/0000 2-20035/0134                        | 10/26/76         | 30                  | 8960              | 50.3         | 119.7        | GGGG                               |                     |                      | 196                   | 23                   |
| 03045E                      | 5305N | 2473-08110        | 00000/0000 2-20024/1618                        | 05/09/76         | 10                  | 6590              | 49.2         | 141.2        | GGGG                               |                     |                      | 186                   | 55                   |
| 03045E                      | 5300N | 2491-08103        | 00000/0000 2-20026/0340                        | 05/27/76         | 30                  | 6841              | 52.7         | 138.1        | GGGG                               |                     |                      | 196                   | 23                   |
| 03045E                      | 5016N | 2598-08024        | 00000/0000 2-20032/1169                        | 09/11/76         | 30                  | 8333              | 38.6         | 143.7        | GGGG                               |                     |                      | 196                   | 23                   |
|                             |       |                   |                                                |                  |                     |                   |              |              | GGGG                               |                     |                      | 195                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1135

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03045E 5013N                            | 2418-08074        | 00000/0000                   | 2-20021/1684                | 03/15/76         | 0                   | 5823            | 32.0         | 144.6        |                                    |                     |                      | 195                   | 25                   |
| 03044E 5011N                            | 2476-11453        | 00000/0000                   | 2-20025/0077                | 05/12/76         | 10                  | 6634            | 26.8         | 210.1        | GGGG                               |                     |                      | 234                   | 1                    |
| 03044E 5545N                            | 2546-08140        | 00000/0000                   | 2-20029/0062                | 07/21/76         | 40                  | 7608            | 49.2         | 139.0        | GGGG                               |                     |                      | 197                   | 21                   |
| 03044E 5305N                            | 2689-08041        | 00000/0000                   | 2-20037/0269                | 12/11/76         | 50                  | 9602            | 10.5         | 155.4        | FGFG                               |                     |                      | 196                   | 23                   |
| 03044E 5300N                            | 2419-08123        | 00000/0000                   | 2-20022/0145                | 03/16/76         | 90                  | 5837            | 30.4         | 146.8        | FG F                               |                     |                      | 196                   | 23                   |
| 03043E 5007N                            | 2526-08044        | 00000/0000                   | 2-20028/0262                | 07/01/76         | 10                  | 7329            | 54.8         | 129.5        | GGGG                               |                     |                      | 195                   | 25                   |
| 03043E 7935N                            | 2471-11172        | 00000/0000                   | 2-20024/1763                | 05/07/76         | 10                  | 6564            | 26.6         | 202.9        | GGGG                               |                     |                      | 229                   | 2                    |
| 03043E 5543N                            | 2528-08143        | 00000/0000                   | 2-20028/0643                | 07/03/76         | 50                  | 7357            | 51.8         | 138.2        | GGGG                               |                     |                      | 197                   | 21                   |
| 03043E 5542N                            | 2510-08150        | 00000/0000                   | 2-20026/1541                | 06/15/76         | 40                  | 7106            | 52.6         | 139.5        | GGGG                               |                     |                      | 197                   | 21                   |
| 03043E 5303N                            | 2563-08083        | 00000/0000                   | 2-20030/0708                | 08/07/76         | 50                  | 7845            | 47.0         | 137.9        | GGGG                               |                     |                      | 196                   | 23                   |
| 03043E 5013N                            | 2688-07592        | 00000/0000                   | 2-20037/0474                | 12/10/76         | 70                  | 9588            | 12.9         | 154.1        | GGGG                               |                     |                      | 195                   | 25                   |
| 03043E 5012N                            | 2616-08021        | 00000/0000                   | 2-20034/0145                | 09/29/76         | 90                  | 8584            | 32.7         | 148.3        | GGGG                               |                     |                      | 195                   | 25                   |
| 03042E 5304N                            | 2599-08073        | 00000/0000                   | 2-20032/1098                | 09/12/76         | 60                  | 8347            | 36.4         | 146.6        | GGGG                               |                     |                      | 196                   | 23                   |
| 03042E 5009N                            | 2544-08041        | 00000/0000                   | 2-20029/0015                | 07/19/76         | 20                  | 7580            | 52.5         | 130.8        | GGGG                               |                     |                      | 195                   | 25                   |
| 03042E 5008N                            | 2670-08001        | 00000/0000                   | 2-20036/1663                | 11/22/76         | 100                 | 9337            | 16.1         | 154.9        | GGGG                               |                     |                      | 195                   | 25                   |
| 03042E 5006N                            | 2400-08081        | 00000/0000                   | 2-20021/0722                | 02/26/76         | 100                 | 5572            | 25.2         | 146.4        | GGGG                               |                     |                      | 195                   | 25                   |
| 03042E 5006N                            | 2508-08051        | 00000/0000                   | 2-20026/1428                | 06/13/76         | 50                  | 7078            | 55.5         | 130.8        | GGGG                               |                     |                      | 195                   | 25                   |
| 03042E 5005N                            | 2652-08005        | 00000/0000                   | 2-20035/0559                | 11/04/76         | 100                 | 9086            | 20.9         | 154.2        | GGGG                               |                     |                      | 195                   | 25                   |
| 03041E 5301N                            | 2617-08070        | 00000/0000                   | 2-20034/0175                | 09/30/76         | 10                  | 8598            | 30.3         | 150.8        | GGGG                               |                     |                      | 196                   | 23                   |
| 03041E 5257N                            | 2527-08094        | 00000/0000                   | 2-20028/0556                | 07/02/76         | 60                  | 7343            | 53.4         | 134.0        | GGGG                               |                     |                      | 196                   | 23                   |
| 03041E 5256N                            | 2365-08135        | 00000/0000                   | 2-20020/0045                | 01/22/76         | 90                  | 5084            | 13.1         | 152.4        | GGGG                               |                     |                      | 196                   | 23                   |
| 03040E 5253N                            | 2509-08101        | 00000/0000                   | 2-20027/0193                | 06/14/76         | 60                  | 7092            | 54.1         | 135.1        | GGGG                               |                     |                      | 196                   | 23                   |
| 03040E 2429N                            | 2394-07413        | 00000/0000                   | 2-20021/0345                | 02/20/76         | 0                   | 5488            | 39.0         | 130.0        | FGFF                               |                     |                      | 189                   | 43                   |
| 03039E 5257N                            | 2671-08050        | 00000/0000                   | 2-20036/1220                | 11/23/76         | 60                  | 9351            | 13.6         | 156.3        | GGGG                               |                     |                      | 196                   | 23                   |
| 03039E 5255N                            | 2653-08054        | 00000/0000                   | 2-20036/0010                | 11/05/76         | 90                  | 9100            | 18.3         | 155.9        | GGGG                               |                     |                      | 196                   | 23                   |
| 03039E 5252N                            | 2401-08131        | 00000/0000                   | 2-20027/0002                | 02/27/76         | 40                  | 5586            | 23.7         | 148.2        | GGGG                               |                     |                      | 196                   | 23                   |
| 03039E 5005N                            | 2634-08013        | 00000/0000                   | 2-20034/0878                | 10/17/76         | 20                  | 8835            | 26.6         | 152.0        | FFFF                               |                     |                      | 195                   | 25                   |
| 03039E 1258N                            | 2374-07335        | 00000/0000                   | 2-20020/0669                | 01/31/76         | 0                   | 5209            | 40.7         | 127.4        | FGGG                               |                     |                      | 187                   | 51                   |
| 03038E 8006N                            | 2529-11382        | 00000/0000                   | 2-20028/0691                | 07/04/76         | 10                  | 7373            | 31.8         | 206.4        | GGGG                               |                     |                      | 234                   | 1                    |
| 03038E 5256N                            | 2545-08091        | 00000/0000                   | 2-20029/0140                | 07/20/76         | 80                  | 7594            | 50.9         | 134.9        | GGGG                               |                     |                      | 196                   | 23                   |
| 03038E 4956N                            | 2382-08084        | 00000/0000                   | 2-20020/1226                | 02/08/76         | 0                   | 5321            | 19.5         | 148.5        | GGGG                               |                     |                      | 195                   | 25                   |
| 03037E 7149S                            | 2384-05293        | 00000/0000                   | 2-20020/1271                | 02/10/76         | 10                  | 5347            | 19.9         | 75.9         | FGGF                               |                     |                      | 161                   | 111                  |
| 03035E 5254N                            | 2635-08062        | 00000/0000                   | 2-20034/1079                | 10/18/76         | 10                  | 8849            | 24.1         | 154.0        | GGGG                               |                     |                      | 196                   | 23                   |
| 03034E 7640N                            | 2495-10091        | 00000/0000                   | 2-20026/0520                | 05/31/76         | 20                  | 6898            | 35.3         | 184.1        | GGGG                               |                     |                      | 218                   | 5                    |
| 03033E 7924N                            | 2542-11094        | 00000/0000                   | 2-20028/1740                | 07/17/76         | 80                  | 7554            | 31.3         | 198.4        | GGGG                               |                     |                      | 229                   | 2                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR N6N-US  
FROM 01/22/76 TO 01/22/77

PAGE 1136

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RVS MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV<br>MSS                              |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 03033E                      | 5244N             | 2383-08134                              | 00000/0000       | 2-20020/1057        | 02/09/76        | 30           | 5335         | 17.7                  | 150.0               | GGGG                 |                       |                      |
| 03032E                      | 7529N             | 2546-09510                              | 00000/0000       | 2-20029/0069        | 07/21/76        | 90           | 7609         | 34.9                  | 176.5               | FGGG                 | 196                   | 23                   |
| 03029E                      | 1844S             | 2567-07090                              | 00000/0000       | 2-20030/1128        | 08/11/76        | 0            | 7900         | 35.3                  | 54.5                | FGGG                 | 215                   | 6                    |
| 03028E                      | 6132N             | 2459-08315                              | 00000/0000       | 2-20024/0618        | 04/25/76        | 20           | 6395         | 39.4                  | 153.3               | GGGG                 | 182                   | 73                   |
| 03027E                      | 4604N             | 2705-07541                              | 00000/0000       | 2-20038/0345        | 12/27/76        | 10           | 9825         | 15.0                  | 150.4               | GGGG                 | 200                   | 17                   |
| 03026E                      | 4602N             | 2471-08014                              | 00000/0000       | 2-20024/1759        | 05/07/76        | 20           | 6562         | 52.6                  | 131.9               | GGGG                 | 194                   | 28                   |
| 03025E                      | 7835N             | 2502-10482                              | 00000/0000       | 2-20026/0929        | 06/07/76        | 10           | 6996         | 33.9                  | 194.3               | GGGG                 | 194                   | 28                   |
| 03025E                      | 0550N             | 2643-07223                              | 00000/0000       | 2-20035/0135        | 10/26/76        | 30           | 8960         | 50.8                  | 118.0               | GGGG                 | 225                   | 3                    |
| 03025E                      | 0545N             | 2607-07234                              | 00000/0000       | 2-20037/1665        | 09/20/76        | 50           | 8458         | 52.8                  | 95.9                | GGGG                 | 186                   | 56                   |
| 03024E                      | 0546N             | 2373-07301                              | 00000/0000       | 2-20020/0615        | 01/30/76        | 30           | 5195         | 43.8                  | 121.6               | GGGG                 | 186                   | 56                   |
| 03023E                      | 4604N             | 2723-07533                              | 00000/0000       | 2-20038/1358        | 01/16/77        | 80           | 76           | 16.1                  | 147.7               | GGGG                 | 194                   | 28                   |
| 03023E                      | 2847N             | 2395-07460                              | 00000/0000       | 2-20021/0288        | 02/21/76        | 70           | 5502         | 37.0                  | 133.0               | GGGG                 | 190                   | 40                   |
| 03022E                      | 4556N             | 2489-08011                              | 00000/0000       | 2-20026/0185        | 05/25/76        | 20           | 6813         | 55.9                  | 127.5               | GGGG                 | 194                   | 28                   |
| 03021E                      | 7526N             | 2528-09513                              | 00000/0000       | 2-20028/0545        | 07/23/76        | 90           | 7358         | 37.5                  | 177.0               | GGGG                 | 215                   | 6                    |
| 03021E                      | 4603N             | 2597-07581                              | 00000/0000       | 2-20032/1087        | 09/10/76        | 20           | 8319         | 41.6                  | 139.4               | GGFF                 | 194                   | 28                   |
| 03021E                      | 4601N             | 2687-07550                              | 00000/0000       | 2-20037/0565        | 12/09/76        | 60           | 8574         | 16.3                  | 152.3               | FGGG                 | 194                   | 28                   |
| 03021E                      | 4553N             | 2507-08004                              | 00000/0000       | 2-20026/1520        | 06/12/76        | 90           | 7064         | 57.2                  | 123.8               | GGGF                 | 194                   | 28                   |
| 03020E                      | 4554N             | 2525-08002                              | 00000/0000       | 2-20028/0456        | 06/30/76        | 10           | 7315         | 56.5                  | 122.5               | GGGG                 | 194                   | 28                   |
| 03019E                      | 1258S             | 2370-07183                              | 00000/0000       | 2-20020/0457        | 01/27/76        | 90           | 5153         | 48.2                  | 103.6               | FFFF                 | 183                   | 69                   |
| 03018E                      | 7734N             | 2534-10245                              | 00000/0000       | 2-20028/1119        | 07/09/76        | 90           | 7402         | 34.7                  | 186.1               | GGGG                 | 221                   | 4                    |
| 03018E                      | 4554N             | 2399-08035                              | 00000/0000       | 2-20021/0706        | 02/25/76        | 20           | 5558         | 27.8                  | 143.8               | GGGG                 | 194                   | 28                   |
| 03018E                      | 4553N             | 2543-07395                              | 00000/0000       | 2-20028/1342        | 07/18/76        | 30           | 7566         | 54.4                  | 123.9               | GGGG                 | 194                   | 28                   |
| 03018E                      | 4553N             | 2669-07554                              | 00000/0000       | 2-20036/1133        | 11/21/76        | 80           | 9323         | 19.7                  | 152.9               | GGFG                 | 194                   | 28                   |
| 03018E                      | 4551N             | 2651-07563                              | 00000/0000       | 2-20035/0507        | 11/03/76        | 80           | 9072         | 24.5                  | 151.8               | GGGG                 | 194                   | 28                   |
| 03018E                      | 4550N             | 2633-07571                              | 00000/0000       | 2-20034/0870        | 10/16/76        | 100          | 8821         | 30.2                  | 149.0               | GGGG                 | 194                   | 28                   |
| 03018E                      | 1132N             | 2374-07341                              | 00000/0000       | 2-20020/0670        | 01/31/76        | 30           | 5809         | 41.4                  | 126.2               | FGGG                 | 187                   | 52                   |
| 03017E                      | 6122N             | 2423-08325                              | 00000/0000       | 2-20022/0367        | 03/20/76        | 10           | 5893         | 26.1                  | 154.0               | FFGG                 | 200                   | 17                   |
| 03017E                      | 4555N             | 2615-07574                              | 00000/0000       | 2-20034/0023        | 09/28/76        | 30           | 8570         | 36.0                  | 144.8               | GGGG                 | 194                   | 28                   |
| 03017E                      | 2304N             | 2394-07415                              | 00000/0000       | 2-20021/0346        | 02/20/76        | 0            | 5488         | 39.7                  | 128.9               | FGGG                 | 189                   | 44                   |
| 03017E                      | 7024S             | 2386-05403                              | 00000/0000       | 2-20021/0110        | 02/12/76        | 50           | 5375         | 20.4                  | 73.8                | GGGF                 | 163                   | 110                  |
| 03016E                      | 7749N             | 2463-10323                              | 00000/0000       | 2-20024/0938        | 04/29/76        | 50           | 6452         | 26.6                  | 190.0               | GGGG                 | 221                   | 4                    |
| 03016E                      | 7636N             | 2549-10074                              | 00000/0000       | 2-20030/0070        | 07/24/76        | 60           | 7651         | 33.2                  | 180.9               | GGGG                 | 218                   | 5                    |
| 03015E                      | 4900N             | 2454-08070                              | 00000/0000       | 2-20024/0149        | 04/20/76        | 10           | 6325         | 46.1                  | 139.1               | GGGG                 | 195                   | 26                   |
| 03014E                      | 4853N             | 2472-08063                              | 00000/0000       | 2-20025/0044        | 05/08/76        | 60           | 6576         | 51.4                  | 135.7               | GGGG                 | 195                   | 26                   |
| 03013E                      | 7847N             | 2467-10545                              | 00000/0000       | 2-20024/1295        | 05/03/76        | 20           | 6508         | 26.6                  | 196.2               | GGGF                 | 225                   | 3                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 24, 77

LANDSAT-2  
COORDINATE LISTING  
FOR 484-115  
FROM 01/22/76 TO 01/22/77

PAGE 1137

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBLV | ROLL NO./<br>IN ROLL<br>MSC | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRIGHT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBLV MSS<br>123.45678 | MSS<br>DATA<br>MODEF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|-------------------------------|-----------------------------|------------------|---------------------|------------------|--------------|--------------|-------------------------------------|----------------------|----------------------|-----------------------|----------------------|
| 03012E                                  | 4855N             | 2436-08073                    | 00000/0000                  | 2-20022/1166     | 04/02/76            | 10               | 6074         | 39.8         | 141.5                               | FGGG                 |                      | 195                   | 26                   |
| 03012E                                  | 4854N             | 2706-07530                    | 00000/0000                  | 2-20032/0115     | 12/28/76            | 0                | 9839         | 12.9         | 151.5                               | GGGF                 |                      | 198                   | 26                   |
| 03011E                                  | 4858N             | 2503-08033                    | 00000/0000                  | 2-20032/1774     | 08/24/76            | 50               | 8082         | 44.9         | 137.2                               | FGGG                 |                      | 195                   | 26                   |
| 03010E                                  | 4810N             | 2434-11450                    | 00000/0000                  | 2-20024/0091     | 05/30/76            | 70               | 6885         | 30.5         | 209.4                               | GGGG                 |                      | 234                   | 1                    |
| 03010E                                  | 4853N             | 2460-08370                    | 00000/0000                  | 2-20024/0857     | 04/26/76            | 40               | 6409         | 38.7         | 154.9                               | GGG                  |                      | 201                   | 16                   |
| 03009E                                  | 5435N             | 2456-08164                    | 00000/0000                  | 2-20024/0452     | 04/22/76            | 90               | 6353         | 43.3         | 145.2                               | GGGG                 |                      | 197                   | 22                   |
| 03009E                                  | 4854N             | 2724-07532                    | 00000/0000                  | 2-20038/1461     | 01/15/77            | 10               | 90           | 14.2         | 148.8                               | GGGG                 |                      | 195                   | 26                   |
| 03008E                                  | 5432N             | 2474-08161                    | 00000/0000                  | 2-20025/0109     | 05/10/76            | 10               | 6604         | 48.5         | 142.9                               | GGGG                 |                      | 197                   | 22                   |
| 03008E                                  | 4844N             | 2490-08060                    | 00000/0000                  | 2-20024/0176     | 05/26/76            | 40               | 6827         | 54.8         | 131.8                               | GGGG                 |                      | 195                   | 26                   |
| 03007E                                  | 5430N             | 2438-08172                    | 00000/0000                  | 2-20022/1312     | 04/04/76            | 90               | 6102         | 36.9         | 146.7                               | GGGG                 |                      | 197                   | 22                   |
| 03007E                                  | 2011N             | 2507-07032                    | 00000/0000                  | 2-20032/1129     | 08/11/76            | 0                | 7900         | 34.3         | 53.9                                | GFGG                 |                      | 182                   | 74                   |
| 03006E                                  | 4851N             | 2538-08030                    | 00000/0000                  | 2-20032/1170     | 09/11/76            | 10               | 8333         | 39.6         | 142.4                               | GGGG                 |                      | 195                   | 26                   |
| 03006E                                  | 4848N             | 2418-08071                    | 00000/0000                  | 2-20021/1655     | 03/15/76            | 10               | 5823         | 32.9         | 143.5                               | GGFG                 |                      | 195                   | 26                   |
| 03006E                                  | 4843N             | 2526-08051                    | 00000/0000                  | 2-20024/0263     | 07/01/76            | 0                | 7329         | 55.4         | 127.2                               | GGGG                 |                      | 195                   | 26                   |
| 03005E                                  | 5144N             | 2455-08115                    | 00000/0000                  | 2-20024/0264     | 04/21/76            | 20               | 6339         | 44.8         | 142.1                               | GGGG                 |                      | 196                   | 24                   |
| 03005E                                  | 4849N             | 2658-07595                    | 00000/0000                  | 2-20037/0261     | 12/10/76            | 90               | 9588         | 14.0         | 153.5                               | GGGG                 |                      | 195                   | 26                   |
| 03005E                                  | 4847N             | 2616-08023                    | 00000/0000                  | 2-20034/0146     | 09/29/76            | 70               | 8584         | 33.7         | 147.3                               | GGGG                 |                      | 195                   | 26                   |
| 03004E                                  | 4844N             | 2544-08044                    | 00000/0000                  | 2-20029/0016     | 07/19/76            | 30               | 7580         | 53.1         | 128.5                               | GGGG                 |                      | 195                   | 26                   |
| 03004E                                  | 4844N             | 2670-08073                    | 00000/0000                  | 2-20034/1210     | 11/22/76            | 90               | 9337         | 17.2         | 154.3                               | GGGG                 |                      | 195                   | 26                   |
| 03004E                                  | 4841N             | 2410-08034                    | 00000/0000                  | 2-20021/0723     | 02/26/76            | 100              | 5572         | 26.2         | 145.5                               | GGGG                 |                      | 195                   | 26                   |
| 03004E                                  | 4841N             | 2518-08054                    | 00000/0000                  | 2-20024/1429     | 06/13/76            | 60               | 7078         | 56.1         | 128.4                               | GGGG                 |                      | 195                   | 26                   |
| 03004E                                  | 5420N             | 2373-07313                    | 00000/0000                  | 2-20020/0616     | 01/30/76            | 0                | 5195         | 44.3         | 120.2                               | GGGG                 |                      | 186                   | 57                   |
| 03003E                                  | 7634N             | 2531-10081                    | 00000/0000                  | 2-20028/0929     | 07/06/76            | 90               | 7400         | 36.1         | 181.3                               | GGGG                 |                      | 218                   | 5                    |
| 03003E                                  | 5145N             | 2541-08083                    | 00000/0000                  | 2-20032/0037     | 08/25/76            | 10               | 8096         | 42.9         | 140.6                               | GFGG                 |                      | 196                   | 24                   |
| 03003E                                  | 5141N             | 2473-08112                    | 00000/0000                  | 2-20024/1619     | 05/09/76            | 30               | 6590         | 50.0         | 139.3                               | GGGG                 |                      | 196                   | 24                   |
| 03003E                                  | 0136N             | 2431-08110                    | 00000/0000                  | 2-20024/0341     | 05/27/76            | 10               | 6841         | 53.4         | 136.7                               | GGGG                 |                      | 196                   | 24                   |
| 03003E                                  | 4840N             | 2652-08012                    | 00000/0000                  | 2-20035/0560     | 11/04/76            | 100              | 9086         | 22.0         | 153.5                               | GGGG                 |                      | 195                   | 26                   |
| 03003E                                  | 1038N             | 2554-07294                    | 00000/0000                  | 2-20030/0167     | 07/29/76            | 70               | 7719         | 51.3         | 72.7                                | GGGG                 |                      | 187                   | 53                   |
| 03002E                                  | 5432N             | 2542-08132                    | 00000/0000                  | 2-20037/0081     | 02/26/76            | 10               | 8110         | 40.9         | 143.9                               | GGGG                 |                      | 197                   | 22                   |
| 03002E                                  | 5429N             | 2600-08125                    | 00000/0000                  | 2-20032/1315     | 09/13/76            | 10               | 8361         | 35.1         | 148.1                               | GGGG                 |                      | 197                   | 22                   |
| 03002E                                  | 5425N             | 2618-08122                    | 00000/0000                  | 2-20034/0213     | 10/01/76            | 10               | 8612         | 28.9         | 152.1                               | GGGG                 |                      | 197                   | 22                   |
| 03002E                                  | 2556S             | 2422-07032                    | 00000/0000                  | 2-20022/0287     | 03/19/76            | 90               | 5878         | 40.1         | 66.5                                | GGGG                 |                      | 181                   | 78                   |
| 03001E                                  | 5429N             | 2564-08135                    | 00000/0000                  | 2-20032/0240     | 08/08/76            | 50               | 7859         | 46.0         | 139.9                               | GGGG                 |                      | 197                   | 22                   |
| 03001E                                  | 5423N             | 2492-08155                    | 00000/0000                  | 2-20024/0365     | 05/28/76            | 40               | 6855         | 52.0         | 140.0                               | GGGG                 |                      | 197                   | 22                   |
| 03001E                                  | 0139N             | 2563-08090                    | 00000/0000                  | 2-20032/0709     | 08/07/76            | 80               | 7845         | 47.8         | 136.1                               | GGGG                 |                      | 196                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 25, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | RESERVATION<br>ID | MICROFILM<br>POSITION<br>REV | ROLL NO./<br>IN ROLL<br>WSE | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>M9DF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   |                              |                             |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 03001E                      | 4441N             | 2634-04020                   | 00000/0000                  | 2-20034/0879     | 10/17/76            | 10              | 8835         | 27.7         | 151.1                 |                     |                      |                       |                      |
| 03000E                      | 5420N             | 2360-04191                   | 00000/0000                  | 2-20020/0396     | 11/23/76            | 90              | 5098         | 12.2         | 153.1                 | FFFF                |                      | 195                   | 26                   |
| 03000E                      | 5139N             | 2599-08080                   | 00000/0000                  | 2-20032/1099     | 09/12/76            | 90              | 8347         | 37.4         | 145.3                 | FGGG                |                      | 197                   | 22                   |
| 03000E                      | 4831N             | 2342-08041                   | 00000/0000                  | 2-20021/1227     | 02/08/76            | 0               | 5321         | 20.5         | 147.8                 | GGGG                |                      | 196                   | 24                   |
| 03000E                      | 1307N             | 2342-07341                   | 00000/0000                  | 2-20020/1730     | 02/18/76            | 10              | 5460         | 44.7         | 118.0                 | GGGG                |                      | 195                   | 26                   |
| 02959E                      | 7928N             | 2444-11165                   | 00000/0000                  | 2-20024/0078     | 05/25/76            | 90              | 6815         | 30.9         | 202.0                 | FGFG                |                      | 187                   | 53                   |
| 02959E                      | 5417N             | 2402-08142                   | 00000/0000                  | 2-20021/0850     | 02/28/76            | 80              | 5600         | 23.0         | 149.1                 | GGGG                |                      | 230                   | 2                    |
| 02959E                      | 5136N             | 2617-08072                   | 00000/0000                  | 2-20034/0176     | 09/30/76            | 70              | 8598         | 31.3         | 149.7                 | GGGG                |                      | 197                   | 22                   |
| 02959E                      | 5133N             | 2527-08100                   | 00000/0000                  | 2-20028/0557     | 07/02/76            | 50              | 7343         | 54.1         | 131.7                 | FGGG                |                      | 196                   | 24                   |
| 02959E                      | 5720N             | 2395-07462                   | 00000/0000                  | 2-20021/0285     | 02/21/76            | 30              | 5502         | 37.8         | 131.9                 | GGGG                |                      | 196                   | 24                   |
| 02959E                      | 1003N             | 2442-07241                   | 00000/0000                  | 2-20032/1560     | 09/21/76            | 80              | 8472         | 52.8         | 102.4                 | GGGG                |                      | 190                   | 41                   |
| 02958E                      | 1424S             | 2370-07185                   | 00000/0000                  | 2-20020/0458     | 01/27/76            | 70              | 5153         | 48.3         | 102.0                 | GGGG                |                      | 187                   | 53                   |
| 02958E                      | 2554S             | 2404-07025                   | 00000/0000                  | 2-20021/0950     | 03/01/76            | 50              | 5627         | 42.9         | 75.3                  | FFFF                |                      | 183                   | 70                   |
| 02957E                      | 6241N             | 2424-08341                   | 00000/0000                  | 2-20021/1757     | 03/21/76            | 10              | 5907         | 25.5         | 155.3                 | GGGG                |                      | 181                   | 78                   |
| 02957E                      | 5421N             | 2546-08142                   | 00000/0000                  | 2-20029/0063     | 07/21/76            | 40              | 7608         | 50.0         | 137.0                 | GGGG                |                      | 201                   | 16                   |
| 02957E                      | 5421N             | 2636-08114                   | 00000/0000                  | 2-20034/0907     | 10/19/76            | 10              | 8863         | 22.6         | 155.1                 | GGGG                |                      | 197                   | 22                   |
| 02957E                      | 5129N             | 2509-08103                   | 00000/0000                  | 2-20027/0194     | 06/14/76            | 90              | 7092         | 54.8         | 132.9                 | FGGG                |                      | 197                   | 22                   |
| 02957E                      | 1004N             | 2374-07344                   | 00000/0000                  | 2-20020/0671     | 01/31/76            | 70              | 5209         | 42.1         | 125.0                 | FGGG                |                      | 196                   | 24                   |
| 02956E                      | 5132N             | 2671-08053                   | 00000/0000                  | 2-20034/1221     | 11/23/76            | 60              | 9351         | 14.7         | 155.6                 | GGGG                |                      | 187                   | 53                   |
| 02956E                      | 5131N             | 2545-08023                   | 00000/0000                  | 2-20024/0141     | 07/20/76            | 70              | 7594         | 51.6         | 132.8                 | GGGG                |                      | 196                   | 24                   |
| 02956E                      | 5131N             | 2653-08061                   | 00000/0000                  | 2-20034/0011     | 11/05/76            | 100             | 9100         | 19.4         | 155.1                 | GGGG                |                      | 196                   | 24                   |
| 02956E                      | 2554S             | 2366-07102                   | 00000/0000                  | 2-20022/1377     | 02/12/76            | 90              | 5376         | 45.4         | 83.6                  | FFFF                |                      | 181                   | 78                   |
| 02955E                      | 5419N             | 2528-08145                   | 00000/0000                  | 2-20022/1644     | 07/03/76            | 90              | 7357         | 52.6         | 136.1                 | GGGG                |                      | 197                   | 22                   |
| 02955E                      | 4443N             | 2453-08023                   | 00000/0000                  | 2-20023/1496     | 04/19/76            | 50              | 6311         | 48.2         | 134.2                 | GGGG                |                      | 194                   | 29                   |
| 02955E                      | 2137N             | 2394-07422                   | 00000/0000                  | 2-20021/0347     | 02/20/76            | 0               | 5488         | 40.4         | 127.7                 | FGFG                |                      | 189                   | 45                   |
| 02954E                      | 7651N             | 2440-10124                   | 00000/0000                  | 2-20024/0594     | 04/26/76            | 40              | 6410         | 26.7         | 185.1                 | FGGG                |                      | 218                   | 5                    |
| 02954E                      | 6537N             | 2402-08474                   | 00000/0000                  | 2-20024/0801     | 04/28/76            | 40              | 6437         | 37.3         | 158.6                 | GGGG                |                      | 203                   | 14                   |
| 02954E                      | 5419N             | 2654-08116                   | 00000/0000                  | 2-20034/0038     | 11/06/76            | 100             | 9114         | 16.9         | 156.7                 | GGGG                |                      | 197                   | 22                   |
| 02953E                      | 5130N             | 2635-08065                   | 00000/0000                  | 2-20034/1080     | 10/18/76            | 10              | 8849         | 25.2         | 153.0                 | GGGG                |                      | 196                   | 24                   |
| 02952E                      | 4436N             | 2471-08020                   | 00000/0000                  | 2-20024/1760     | 05/07/76            | 40              | 6562         | 53.3         | 129.9                 | FGGG                |                      | 194                   | 29                   |
| 02951E                      | 5403N             | 2344-08145                   | 00000/0000                  | 2-20027/1057     | 02/10/76            | 50              | 5349         | 17.1         | 150.7                 | GGGG                |                      | 197                   | 22                   |
| 02950E                      | 5015N             | 2459-11514                   | 00000/0000                  | 2-20024/0275     | 04/25/76            | 10              | 6397         | 21.9         | 210.1                 | GGGG                |                      | 235                   | 1                    |
| 02949E                      | 7746N             | 2481-10320                   | 00000/0000                  | 2-20025/0901     | 05/17/76            | 10              | 6703         | 31.5         | 190.0                 | GGGG                |                      | 222                   | 4                    |
| 02949E                      | 6535N             | 2444-08145                   | 00000/0000                  | 2-20022/1865     | 04/10/76            | 100             | 6186         | 31.1         | 158.8                 | GGGG                |                      | 203                   | 14                   |
| 02948E                      | 4437N             | 2597-08061                   | 00000/0000                  | 2-20032/1088     | 09/10/76            | 40              | 8319         | 42.5         | 138.0                 | GGGG                |                      | 194                   | 29                   |

KEYS: CLOUD COVER 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA M9DF ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1139

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02948E 4428N                            | 2507-08011        | 00000/0000                   | 2-20026/1381                | 06/12/76         | 70                  | 7064            | 57.7         | 121.4        | FGGG                               |                     |                      | 194                   | 29                   |
| 02946E 2137S                            | 2567-07095        | 00000/0000                   | 2-20030/1130                | 08/11/76         | 0                   | 7900            | 33.2         | 53.3         | FGGG                               |                     |                      | 182                   | 75                   |
| 02945E 4429N                            | 2399-08041        | 00000/0000                   | 2-20021/0557                | 02/25/76         | 70                  | 5558            | 28.7         | 142.9        | GFGG                               |                     |                      | 194                   | 29                   |
| 02945E 4429N                            | 2543-08001        | 00000/0000                   | 2-20028/1343                | 07/18/76         | 50                  | 7566            | 54.3         | 121.7        | GGGG                               |                     |                      | 194                   | 29                   |
| 02945E 1554S                            | 2568-07135        | 00000/0000                   | 2-20030/1096                | 08/12/76         | 0                   | 7914            | 37.5         | 56.2         | GFGG                               |                     |                      | 183                   | 71                   |
| 02944E 0254N                            | 2373-07310        | 00000/0000                   | 2-20020/0617                | 01/30/76         | 0                   | 5195            | 44.8         | 118.9        | GGGG                               |                     |                      | 186                   | 58                   |
| 02940E 6527N                            | 2426-08484        | 00000/0000                   | 2-20027/0310                | 03/23/76         | 10                  | 5935            | 24.1         | 158.5        | GGGG                               |                     |                      | 203                   | 14                   |
| 02940E 6401N                            | 2551-08400        | 00000/0000                   | 2-20030/0153                | 07/25/76         | 70                  | 7678            | 43.0         | 151.5        | GGGG                               |                     |                      | 202                   | 15                   |
| 02939E 0841N                            | 2392-07344        | 00000/0000                   | 2-20020/1701                | 02/18/76         | 10                  | 5460            | 45.1         | 116.6        | GGGG                               |                     |                      | 187                   | 54                   |
| 02939E 2722S                            | 2422-07094        | 00000/0000                   | 2-20027/0288                | 03/19/76         | 100                 | 5878            | 39.3         | 65.7         | GGGG                               |                     |                      | 181                   | 79                   |
| 02938E 7841N                            | 2485-10543        | 00000/0000                   | 2-20025/1008                | 05/21/76         | 30                  | 6759            | 31.2         | 195.7        | FFGG                               |                     |                      | 225                   | 3                    |
| 02938E 4735N                            | 2454-08072        | 00000/0000                   | 2-20024/0150                | 04/20/76         | 20                  | 6325            | 47.0         | 137.4        | GFGG                               |                     |                      | 195                   | 27                   |
| 02937E 4728N                            | 2472-08065        | 00000/0000                   | 2-20025/0045                | 05/08/76         | 20                  | 6576            | 52.1         | 133.7        | GGGG                               |                     |                      | 195                   | 27                   |
| 02937E 1549S                            | 2370-07192        | 00000/0000                   | 2-20020/0459                | 01/27/76         | 80                  | 5153            | 48.3         | 100.4        | GFGG                               |                     |                      | 183                   | 71                   |
| 02936E 6356N                            | 2407-08440        | 00000/0000                   | 2-20021/1037                | 03/04/76         | 0                   | 5670            | 17.8         | 156.8        | GGGG                               |                     |                      | 202                   | 15                   |
| 02936E 2555N                            | 2395-07465        | 00000/0000                   | 2-20021/0286                | 02/21/76         | 10                  | 5502            | 38.5         | 130.8        | GGGG                               |                     |                      | 190                   | 42                   |
| 02935E 4729N                            | 2436-08080        | 00000/0000                   | 2-20022/1167                | 04/02/76         | 0                   | 6074            | 40.7         | 140.1        | GGGG                               |                     |                      | 195                   | 27                   |
| 02935E 4729N                            | 2706-07593        | 00000/0000                   | 2-20038/0116                | 12/28/76         | 0                   | 9839            | 13.9         | 150.9        | FFGG                               |                     |                      | 195                   | 27                   |
| 02934E 4733N                            | 2580-08040        | 00000/0000                   | 2-20030/1775                | 08/24/76         | 20                  | 8082            | 45.7         | 135.6        | GGGG                               |                     |                      | 195                   | 27                   |
| 02934E 2716S                            | 2368-07111        | 00000/0000                   | 2-20020/0270                | 01/25/76         | 10                  | 5125            | 47.5         | 89.0         | GGGG                               |                     |                      | 181                   | 79                   |
| 02934E 2720S                            | 2404-07102        | 00000/0000                   | 2-20021/0951                | 03/01/76         | 20                  | 5627            | 42.3         | 74.2         | GGGG                               |                     |                      | 181                   | 79                   |
| 02933E 7645N                            | 2478-10152        | 2-20027/0593                 | 00000/0000                  | 05/14/76         | 100                 | 6661            | 31.9         | 185.0        | G                                  |                     |                      | 219                   | 5                    |
| 02933E 4729N                            | 2724-07585        | 00000/0000                   | 2-20038/1462                | 01/15/77         | 10                  | 90              | 15.2         | 148.2        | GGGG                               |                     |                      | 195                   | 27                   |
| 02933E 2011N                            | 2394-07424        | 00000/0000                   | 2-20021/0269                | 02/20/76         | 0                   | 5488            | 41.1         | 126.5        | FGGG                               |                     |                      | 189                   | 46                   |
| 02932E 8008N                            | 2548-11433        | 00000/0000                   | 2-20030/0012                | 07/23/76         | 40                  | 7638            | 29.0         | 206.0        | GGGG                               |                     |                      | 235                   | 1                    |
| 02932E 6637N                            | 2409-08544        | 00000/0000                   | 2-20021/1312                | 03/06/76         | 20                  | 5698            | 16.4         | 159.8        | GGGG                               |                     |                      | 204                   | 13                   |
| 02932E 2719S                            | 2386-07105        | 00000/0000                   | 2-20020/1378                | 02/12/76         | 90                  | 5376            | 45.0         | 82.4         | GGGG                               |                     |                      | 181                   | 79                   |
| 02931E 4719N                            | 2490-08063        | 00000/0000                   | 2-20026/0177                | 05/26/76         | 20                  | 6827            | 55.4         | 129.5        | FGGG                               |                     |                      | 195                   | 27                   |
| 02930E 4723N                            | 2418-08083        | 00000/0000                   | 2-20021/1686                | 03/15/76         | 60                  | 5823            | 33.8         | 142.4        | GGGG                               |                     |                      | 195                   | 27                   |
| 02929E 4726N                            | 2598-08033        | 00000/0000                   | 2-20032/1171                | 09/11/76         | 10                  | 8333            | 40.5         | 141.0        | GGGG                               |                     |                      | 195                   | 27                   |
| 02929E 4724N                            | 2688-08001        | 00000/0000                   | 2-20037/0262                | 12/10/76         | 40                  | 9588            | 15.1         | 152.9        | GGG                                |                     |                      | 195                   | 27                   |
| 02929E 4718N                            | 2526-08053        | 00000/0000                   | 2-20028/0264                | 07/01/76         | 0                   | 7329            | 56.0         | 124.8        | GGGG                               |                     |                      | 195                   | 27                   |
| 02928E 7742N                            | 2553-10300        | 00000/0000                   | 2-20030/0304                | 07/28/76         | 90                  | 7707            | 31.2         | 186.2        | G G                                |                     |                      | 222                   | 4                    |
| 02928E 5553N                            | 2475-08213        | 00000/0000                   | 2-20025/0158                | 05/11/76         | 0                   | 6618            | 47.9         | 144.6        | GGGG                               |                     |                      | 198                   | 21                   |
| 02928E 4722N                            | 2616-08030        | 00000/0000                   | 2-20034/0147                | 09/29/76         | 10                  | 8584            | 34.7         | 146.2        | FGGG                               |                     |                      | 195                   | 27                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US  
FROM 01/22/76 TO 01/22/77

PAGE 1140

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02928E 4719N                            | 2544-08050        | 00000/0000                   | 2-20029/0017                | 07/19/76         | 10                  | 7580            | 53.7         | 126.3        | GGGG                               |                     |                      | 195                   | 27                   |
| 02927E 4719N                            | 2670-08010        | 00000/0000                   | 2-20036/1211                | 11/22/76         | 80                  | 9337            | 18.3         | 153.6        | GGGG                               |                     |                      | 195                   | 27                   |
| 02927E 4717N                            | 2508-08060        | 00000/0000                   | 2-20026/1430                | 06/13/76         | 40                  | 7078            | 56.7         | 126.1        | GGGG                               |                     |                      | 195                   | 27                   |
| 02926E 4717N                            | 2400-08090        | 00000/0000                   | 2-20021/0724                | 02/26/76         | 100                 | 5572            | 27.2         | 144.6        | GGGG                               |                     |                      | 195                   | 27                   |
| 02926E 4715N                            | 2652-08014        | 00000/0000                   | 2-20035/0561                | 11/04/76         | 90                  | 9086            | 23.1         | 152.7        | GGGG                               |                     |                      | 195                   | 27                   |
| 02926E 6903S                            | 2370-05515        | 00000/0000                   | 2-20020/0465                | 01/27/76         | 100                 | 5152            | 26.0         | 73.7         | FGGG                               |                     |                      | 165                   | 109                  |
| 02925E 6010N                            | 2459-08321        | 00000/0000                   | 2-20024/0566                | 04/25/76         | 60                  | 6395            | 40.4         | 151.5        | GGGG                               |                     |                      | 200                   | 18                   |
| 02925E 4716N                            | 2634-08022        | 00000/0000                   | 2-20034/0880                | 10/17/76         | 30                  | 8835            | 28.8         | 150.2        | GFGG                               |                     |                      | 195                   | 27                   |
| 02925E 7146S                            | 2403-05344        | 00000/0000                   | 2-20021/0870                | 02/29/76         | 100                 | 5612            | 13.7         | 73.3         | GGGG                               |                     |                      | 162                   | 111                  |
| 02924E 7741N                            | 2499-10313        | 00000/0000                   | 2-20026/0788                | 06/04/76         | 90                  | 6954            | 34.7         | 188.9        | GGGG                               |                     |                      | 222                   | 4                    |
| 02924E 5551N                            | 2565-08191        | 00000/0000                   | 2-20030/1007                | 08/09/76         | 10                  | 7873            | 44.9         | 141.8        | GGGG                               |                     |                      | 198                   | 21                   |
| 02924E 5547N                            | 2493-08211        | 00000/0000                   | 2-20026/0413                | 05/29/76         | 70                  | 6869            | 51.3         | 141.9        | GGFF                               |                     |                      | 198                   | 21                   |
| 02924E 5310N                            | 2456-08171        | 00000/0000                   | 2-20024/0453                | 04/22/76         | 60                  | 6353            | 44.2         | 143.6        | GGGG                               |                     |                      | 197                   | 23                   |
| 02924E 5019N                            | 2455-08122        | 00000/0000                   | 2-20024/0265                | 04/21/76         | 20                  | 6339            | 45.7         | 140.4        | GGGG                               |                     |                      | 196                   | 25                   |
| 02924E 0127N                            | 2373-07312        | 00000/0000                   | 2-20020/0618                | 01/30/76         | 60                  | 5195            | 45.3         | 117.5        | FGGG                               |                     |                      | 186                   | 59                   |
| 02924E 1720S                            | 2568-07141        | 00000/0000                   | 2-20030/1097                | 08/12/76         | 0                   | 7914            | 36.5         | 55.5         | FGGG                               |                     |                      | 183                   | 72                   |
| 02924E 2304S                            | 2567-07101        | 00000/0000                   | 2-20030/1131                | 08/11/76         | 0                   | 7900            | 32.2         | 52.8         | FGGG                               |                     |                      | 182                   | 76                   |
| 02923E 8012N                            | 2477-11511        | 2-20025/1256                 | 2-20025/0287                | 05/13/76         | 10                  | 6648            | 27.1         | 210.3        | GGG GGGG                           |                     |                      | 235                   | 1                    |
| 02923E 5021N                            | 2581-08085        | 00000/0000                   | 2-20037/0098                | 08/25/76         | 20                  | 8096            | 43.8         | 139.0        | GGGG                               |                     |                      | 196                   | 25                   |
| 02923E 5012N                            | 2491-08112        | 00000/0000                   | 2-20026/0342                | 05/27/76         | 20                  | 6841            | 54.2         | 133.8        | GGGG                               |                     |                      | 196                   | 25                   |
| 02923E 4706N                            | 2382-08093        | 00000/0000                   | 2-20020/1210                | 02/08/76         | 0                   | 5321            | 21.5         | 147.0        | GGGG                               |                     |                      | 195                   | 27                   |
| 02922E 5550N                            | 2601-08181        | 00000/0000                   | 2-20037/1119                | 09/14/76         | 30                  | 8375            | 33.8         | 149.6        | GGGG                               |                     |                      | 198                   | 21                   |
| 02922E 5547N                            | 2619-08173        | 00000/0000                   | 2-20034/0192                | 10/02/76         | 60                  | 8626            | 27.5         | 153.3        | GGGG                               |                     |                      | 198                   | 21                   |
| 02922E 5307N                            | 2474-08164        | 00000/0000                   | 2-20025/0110                | 05/10/76         | 10                  | 6604            | 49.4         | 141.0        | GGGG                               |                     |                      | 197                   | 23                   |
| 02922E 5306N                            | 2438-08174        | 00000/0000                   | 2-20027/1313                | 04/04/76         | 40                  | 6102            | 37.8         | 145.3        | GGGG                               |                     |                      | 197                   | 23                   |
| 02922E 5016N                            | 2473-08115        | 00000/0000                   | 2-20024/1620                | 05/09/76         | 50                  | 6590            | 50.8         | 137.4        | GGGG                               |                     |                      | 196                   | 25                   |
| 02922E 4318N                            | 2453-08030        | 00000/0000                   | 2-20023/0497                | 04/19/76         | 60                  | 6311            | 49.0         | 132.5        | GGGG                               |                     |                      | 194                   | 30                   |
| 02921E 7924N                            | 2507-11163        | 00000/0000                   | 2-20026/1383                | 06/12/76         | 40                  | 7066            | 33.2         | 200.5        | GGGG                               |                     |                      | 230                   | 2                    |
| 02921E 5546N                            | 2547-08194        | 00000/0000                   | 2-20028/1714                | 07/22/76         | 10                  | 7622            | 49.0         | 139.2        | GGGG                               |                     |                      | 198                   | 21                   |
| 02920E 7534N                            | 2493-09581        | 00000/0000                   | 2-20026/0447                | 05/29/76         | 80                  | 6870            | 36.1         | 179.7        | FGGG                               |                     |                      | 216                   | 6                    |
| 02920E 5015N                            | 2563-08092        | 00000/0000                   | 2-20030/0710                | 08/07/76         | 80                  | 7845            | 48.6         | 134.2        | GGGF                               |                     |                      | 196                   | 25                   |
| 02920E 4310N                            | 2471-08023        | 00000/0000                   | 2-20024/1761                | 05/07/76         | 10                  | 6562            | 53.9         | 127.8        | GGGG                               |                     |                      | 194                   | 30                   |
| 02920E 3005N                            | 2378-07514        | 00000/0000                   | 2-20020/0988                | 02/04/76         | 10                  | 5265            | 31.9         | 138.2        | GGFF                               |                     |                      | 191                   | 39                   |
| 02919E 7933N                            | 2472-11230        | 00000/0000                   | 2-20024/1840                | 05/08/76         | 0                   | 6578            | 26.9         | 202.8        | FGGG                               |                     |                      | 230                   | 2                    |
| 02919E 5544N                            | 2637-08170        | 00000/0000                   | 2-20034/1090                | 10/20/76         | 90                  | 8877            | 21.2         | 156.1        | GGGG                               |                     |                      | 198                   | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR MSN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | GRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02919E 5014N                            | 2599-08082        | 00000/0000 2-20032/1100                            | 09/12/76         | 70                  | 8347            | 38.3         | 144.0        | GGGG                               |                     |                      | 196                   | 25                   |
| 02919E 5009N                            | 2527-08103        | 00000/0000 2-20028/0558                            | 07/02/76         | 40                  | 7343            | 54.7         | 129.5        | GGGG                               |                     |                      | 196                   | 25                   |
| 02918E 5541N                            | 2511-08204        | 00000/0000 2-20026/1696                            | 06/16/76         | 90                  | 7120            | 52.6         | 139.3        | FGGG                               |                     |                      | 198                   | 21                   |
| 02918E 5011N                            | 2617-08075        | 00000/0000 2-20034/0177                            | 09/30/76         | 100                 | 8598            | 32.3         | 148.6        | GGGG                               |                     |                      | 196                   | 25                   |
| 02918E 0714N                            | 2392-07350        | 00000/0000 2-20020/1702                            | 02/18/76         | 0                   | 5460            | 45.5         | 115.2        | GGGG                               |                     |                      | 187                   | 55                   |
| 02917E 7926N                            | 2543-11153        | 00000/0000 2-20028/1345                            | 07/18/76         | 10                  | 7568            | 31.1         | 198.6        | GGGG                               |                     |                      | 230                   | 2                    |
| 02917E 5542N                            | 2655-08162        | 00000/0000 2-20036/0626                            | 11/07/76         | 100                 | 9128            | 15.5         | 157.6        | GGGG                               |                     |                      | 198                   | 21                   |
| 02917E 5308N                            | 2582-08134        | 00000/0000 2-20032/0082                            | 08/26/76         | 10                  | 8110            | 41.8         | 142.4        | GGGG                               |                     |                      | 197                   | 23                   |
| 02917E 5304N                            | 2600-08131        | 00000/0000 2-20032/1316                            | 09/13/76         | 40                  | 8361            | 36.1         | 146.8        | GGGG                               |                     |                      | 197                   | 23                   |
| 02916E 5305N                            | 2564-08141        | 00000/0000 2-20032/0241                            | 08/08/76         | 80                  | 7859            | 46.8         | 138.1        | GGGG                               |                     |                      | 197                   | 23                   |
| 02916E 5302N                            | 2618-08124        | 00000/0000 2-20034/0214                            | 10/01/76         | 0                   | 8612            | 29.9         | 151.0        | GGGG                               |                     |                      | 197                   | 23                   |
| 02916E 5259N                            | 2492-08161        | 00000/0000 2-20026/0366                            | 05/28/76         | 10                  | 6855            | 52.8         | 137.9        | GGGG                               |                     |                      | 197                   | 23                   |
| 02916E 5008N                            | 2671-08055        | 00000/0000 2-20036/1222                            | 11/23/76         | 50                  | 9351            | 15.8         | 154.9        | GGGG                               |                     |                      | 196                   | 25                   |
| 02916E 5007N                            | 2545-08100        | 00000/0000 2-20029/0142                            | 07/20/76         | 20                  | 7594            | 52.3         | 130.7        | GGGG                               |                     |                      | 196                   | 25                   |
| 02916E 5007N                            | 2653-08063        | 00000/0000 2-20036/0012                            | 11/05/76         | 100                 | 9100            | 20.0         | 154.3        | GGGG                               |                     |                      | 196                   | 25                   |
| 02916E 5004N                            | 2509-08110        | 00000/0000 2-20027/0195                            | 06/14/76         | 90                  | 7092            | 55.5         | 130.6        | GGGG                               |                     |                      | 196                   | 25                   |
| 02916E 4303N                            | 2507-08013        | 00000/0000 2-20026/1382                            | 06/12/76         | 30                  | 7064            | 58.1         | 118.9        | FGGG                               |                     |                      | 194                   | 30                   |
| 02916E 1716S                            | 2370-07194        | 00000/0000 2-20020/0460                            | 01/27/76         | 70                  | 5153            | 48.3         | 98.9         | FGFG                               |                     |                      | 183                   | 72                   |
| 02915E 5256N                            | 2366-08194        | 00000/0000 2-20020/0207                            | 01/23/76         | 60                  | 5098            | 13.3         | 152.3        | GGGG                               |                     |                      | 197                   | 23                   |
| 02915E 5253N                            | 2402-08185        | 00000/0000 2-20021/0817                            | 02/28/76         | 70                  | 5600            | 24.0         | 148.1        | GGGG                               |                     |                      | 197                   | 23                   |
| 02913E 5006N                            | 2635-08071        | 00000/0000 2-20034/1081                            | 10/18/76         | 30                  | 8849            | 26.3         | 152.1        | GGGG                               |                     |                      | 196                   | 25                   |
| 02913E 4304N                            | 2399-08044        | 00000/0000 2-20021/0558                            | 02/25/76         | 90                  | 5558            | 29.6         | 142.0        | GFGG                               |                     |                      | 194                   | 30                   |
| 02913E 4303N                            | 2543-08004        | 00000/0000 2-20028/1344                            | 07/18/76         | 50                  | 7566            | 55.3         | 119.4        | GGGG                               |                     |                      | 194                   | 30                   |
| 02913E 2429N                            | 2395-07471        | 00000/0000 2-20021/0287                            | 02/21/76         | 10                  | 5502            | 39.3         | 129.7        | GGGG                               |                     |                      | 190                   | 43                   |
| 02912E 5257N                            | 2546-08145        | 00000/0000 2-20029/0064                            | 07/21/76         | 50                  | 7608            | 50.8         | 135.0        | GGGG                               |                     |                      | 197                   | 23                   |
| 02912E 5257N                            | 2636-08121        | 00000/0000 2-20034/0908                            | 10/19/76         | 10                  | 8963            | 23.7         | 154.1        | FGGG                               |                     |                      | 197                   | 23                   |
| 02912E 5255N                            | 2510-08155        | 00000/0000 2-20026/1542                            | 06/15/76         | 70                  | 7106            | 54.1         | 135.1        | GGGF                               |                     |                      | 197                   | 23                   |
| 02911E 7530N                            | 2547-09564        | 00000/0000 2-20030/0099                            | 07/22/76         | 90                  | 7623            | 34.7         | 176.6        | GGGG                               |                     |                      | 216                   | 6                    |
| 02911E 5255N                            | 2528-08152        | 00000/0000 2-20028/0645                            | 07/03/76         | 50                  | 7357            | 53.3         | 133.9        | FGGG                               |                     |                      | 197                   | 23                   |
| 02911E 1845N                            | 2394-07431        | 00000/0000 2-20021/0270                            | 02/20/76         | 0                   | 5488            | 41.7         | 125.2        | GGGG                               |                     |                      | 189                   | 47                   |
| 02910E 5255N                            | 2654-08113        | 00000/0000 2-20036/0039                            | 11/06/76         | 90                  | 9114            | 18.0         | 155.9        | GGGG                               |                     |                      | 197                   | 23                   |
| 02909E 7150S                            | 2385-05351        | 00000/0000 2-20020/1339                            | 02/11/76         | 0                   | 5361            | 19.6         | 75.8         | FGGF                               |                     |                      | 162                   | 111                  |
| 02906E 5240N                            | 2384-08192        | 00000/0000 2-20020/1068                            | 02/10/76         | 50                  | 5349            | 18.1         | 149.8        | GGGG                               |                     |                      | 197                   | 23                   |
| 02904E 0001N                            | 2373-07315        | 00000/0000 2-20020/0619                            | 01/30/76         | 90                  | 5195            | 45.7         | 116.1        | FGGG                               |                     |                      | 186                   | 60                   |
| 02903E 4610N                            | 2454-08075        | 00000/0000 2-20024/0151                            | 04/20/76         | 50                  | 6325            | 47.8         | 135.7        | FGGG                               |                     |                      | 195                   | 28                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RALI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02902E 7639N                            | 2496-10145        | 00000/0000                   | 2-20024/0525                | 06/01/76         | 60                  | 6912            | 35.5         | 184.0        | GGG                                |                     |                      | 219                   | 5                    |
| 02902E 6130N                            | 2460-08373        | 00000/0000                   | 2-20024/0178                | 04/26/76         | 10                  | 6409            | 39.8         | 153.2        | GGGG                               |                     |                      | 201                   | 17                   |
| 02902E 4603N                            | 2472-08072        | 00000/0000                   | 2-20025/0046                | 05/08/76         | 30                  | 6576            | 52.8         | 131.7        | GGGG                               |                     |                      | 195                   | 28                   |
| 02902E 1846S                            | 2568-07144        | 00000/0000                   | 2-20030/1098                | 08/12/76         | 0                   | 7914            | 35.5         | 54.8         | FFF                                |                     |                      | 183                   | 73                   |
| 02901E 7751N                            | 2464-10381        | 00000/0000                   | 2-20024/1211                | 04/30/76         | 60                  | 6466            | 26.9         | 190.2        | GGGG                               |                     |                      | 222                   | 4                    |
| 02900E 7528N                            | 2529-09571        | 00000/0000                   | 2-20028/0690                | 07/04/76         | 90                  | 7372            | 37.4         | 177.0        | GGGG                               |                     |                      | 216                   | 6                    |
| 02900E 4604N                            | 2436-08082        | 00000/0000                   | 2-20022/1168                | 04/02/76         | 10                  | 6074            | 41.5         | 138.7        | GGGG                               |                     |                      | 195                   | 28                   |
| 02859E 4608N                            | 2580-08042        | 00000/0000                   | 2-20030/1776                | 08/24/76         | 20                  | 8082            | 46.4         | 133.9        | GGGG                               |                     |                      | 195                   | 28                   |
| 02859E 4604N                            | 2706-07595        | 00000/0000                   | 2-20038/0117                | 12/28/76         | 0                   | 9839            | 15.0         | 150.3        | GGGG                               |                     |                      | 195                   | 28                   |
| 02859E 1136N                            | 2555-07350        | 00000/0000                   | 2-20030/0456                | 07/30/76         | 60                  | 7733            | 52.0         | 74.8         | GGGG                               |                     |                      | 188                   | 52                   |
| 02857E 4604N                            | 2724-07591        | 00000/0000                   | 2-20038/1463                | 01/15/77         | 90                  | 90              | 16.2         | 147.5        | GGGG                               |                     |                      | 195                   | 28                   |
| 02857E 0546N                            | 2374-07355        | 00000/0000                   | 2-20020/0672                | 01/31/76         | 10                  | 5209            | 43.8         | 121.2        | FFFF                               |                     |                      | 187                   | 56                   |
| 02856E 4554N                            | 2490-08065        | 00000/0000                   | 2-20024/0178                | 05/26/76         | 10                  | 6827            | 56.1         | 127.2        | FGGG                               |                     |                      | 195                   | 28                   |
| 02855E 4600N                            | 2688-08004        | 00000/0000                   | 2-20037/0263                | 12/10/76         | 40                  | 9588            | 16.2         | 152.3        | GFFF                               |                     |                      | 195                   | 28                   |
| 02855E 4558N                            | 2418-08090        | 00000/0000                   | 2-20021/1687                | 03/15/76         | 70                  | 5823            | 34.7         | 141.3        | GGGG                               |                     |                      | 195                   | 28                   |
| 02854E 7849N                            | 2468-11003        | 00000/0000                   | 2-20024/1458                | 05/04/76         | 40                  | 6522            | 26.9         | 196.3        | GGGG                               |                     |                      | 226                   | 3                    |
| 02854E 4601N                            | 2598-08035        | 00000/0000                   | 2-20032/1172                | 09/11/76         | 10                  | 8333            | 41.3         | 139.7        | GGGG                               |                     |                      | 195                   | 28                   |
| 02854E 4553N                            | 2526-08060        | 00000/0000                   | 2-20028/0265                | 07/01/76         | 10                  | 7329            | 56.5         | 122.4        | GGGG                               |                     |                      | 195                   | 28                   |
| 02854E 1131N                            | 2609-07333        | 00000/0000                   | 2-20032/1622                | 09/22/76         | 30                  | 8486            | 52.7         | 105.1        | GGGG                               |                     |                      | 188                   | 52                   |
| 02854E 1843S                            | 2370-07201        | 00000/0000                   | 2-20020/0461                | 01/27/76         | 60                  | 5153            | 48.3         | 97.3         | FGFG                               |                     |                      | 183                   | 73                   |
| 02853E 8038N                            | 2536-12175        | 00000/0000                   | 2-20028/1192                | 07/11/76         | 80                  | 7471            | 29.9         | 214.6        | GGGG                               |                     |                      | 223                   | 248                  |
| 02853E 4557N                            | 2616-08032        | 00000/0000                   | 2-20034/0148                | 09/29/76         | 0                   | 8584            | 35.7         | 145.0        | GGGG                               |                     |                      | 195                   | 28                   |
| 02853E 4554N                            | 2544-08053        | 00000/0000                   | 2-20029/0018                | 07/19/76         | 10                  | 7580            | 54.2         | 124.1        | GGGG                               |                     |                      | 195                   | 28                   |
| 02853E 4551N                            | 2508-08063        | 00000/0000                   | 2-20026/1431                | 06/13/76         | 10                  | 7078            | 57.2         | 123.7        | GGGG                               |                     |                      | 195                   | 28                   |
| 02852E 4555N                            | 2670-08012        | 00000/0000                   | 2-20036/1212                | 11/22/76         | 60                  | 9337            | 19.4         | 152.9        | GGGG                               |                     |                      | 195                   | 28                   |
| 02852E 1131N                            | 2627-07325        | 00000/0000                   | 2-20034/0680                | 10/10/76         | 10                  | 8737            | 51.1         | 116.3        | GGGG                               |                     |                      | 188                   | 52                   |
| 02852E 7024S                            | 2387-05461        | 00000/0000                   | 2-20020/1505                | 02/13/76         | 20                  | 5389            | 20.1         | 73.7         | GGFG                               |                     |                      | 164                   | 110                  |
| 02851E 7736N                            | 2535-10304        | 00000/0000                   | 2-20029/0003                | 07/10/76         | 60                  | 7456            | 34.6         | 186.2        | GGGG                               |                     |                      | 222                   | 4                    |
| 02851E 4550N                            | 2652-08021        | 00000/0000                   | 2-20035/0562                | 11/04/76         | 90                  | 9086            | 24.2         | 151.9        | GGGG                               |                     |                      | 195                   | 28                   |
| 02851E 2302N                            | 2395-07474        | 00000/0000                   | 2-20021/0288                | 02/21/76         | 50                  | 5502            | 40.0         | 128.6        | FGGG                               |                     |                      | 190                   | 44                   |
| 02850E 4552N                            | 2400-08093        | 00000/0000                   | 2-20021/0725                | 02/26/76         | 70                  | 5572            | 28.1         | 143.7        | GGGG                               |                     |                      | 195                   | 28                   |
| 02850E 4552N                            | 2534-08025        | 00000/0000                   | 2-20034/0881                | 10/17/76         | 90                  | 8835            | 29.8         | 149.2        | GGGG                               |                     |                      | 195                   | 28                   |
| 02850E 1718N                            | 2394-07433        | 00000/0000                   | 2-20021/0271                | 02/20/76         | 0                   | 5488            | 42.3         | 124.0        | GGGG                               |                     |                      | 189                   | 48                   |
| 02849E 7835N                            | 2503-10540        | 00000/0000                   | 2-20026/0973                | 06/08/76         | 10                  | 7010            | 34.0         | 194.2        | GGGG                               |                     |                      | 226                   | 3                    |
| 02849E 6118N                            | 2424-08384        | 00000/0000                   | 2-20021/1758                | 03/21/76         | 0                   | 5907            | 26.5         | 153.9        | GGGG                               |                     |                      | 201                   | 17                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02849E                                  | 4541N             | 2382-08100                                         | 00000/0000       | 2-20020/1211        | 02/08/76        | 10           | 5321         | 22.5                               | 146.2               | F G G G              | 195                   | 28                   |
| 02846E                                  | 4854N             | 2455-08124                                         | 00000/0000       | 2-20024/0266        | 04/21/76        | 40           | 6339         | 46.5                               | 138.8               | G G G G              | 196                   | 26                   |
| 02844E                                  | 4856N             | 2581-08092                                         | 00000/0000       | 2-20032/0099        | 08/25/76        | 40           | 8096         | 44.6                               | 137.4               | G F G G              | 196                   | 26                   |
| 02844E                                  | 4851N             | 2473-08121                                         | 00000/0000       | 2-20024/1621        | 05/09/76        | 50           | 6590         | 51.6                               | 135.4               | G G G G              | 196                   | 26                   |
| 02844E                                  | 0124S             | 2373-07321                                         | 00000/0000       | 2-20020/0620        | 01/30/76        | 90           | 5195         | 46.1                               | 114.6               | F G G G              | 186                   | 61                   |
| 02843E                                  | 4847N             | 2491-08115                                         | 00000/0000       | 2-20026/0343        | 05/27/76        | 10           | 6841         | 54.9                               | 131.6               | G G G G              | 196                   | 26                   |
| 02842E                                  | 4850N             | 2563-08095                                         | 00000/0000       | 2-20030/0705        | 08/07/76        | 70           | 7845         | 49.3                               | 132.4               | P F P                | 196                   | 26                   |
| 02841E                                  | 4844N             | 2527-08105                                         | 00000/0000       | 2-20028/0559        | 07/02/76        | 30           | 7343         | 55.3                               | 127.2               | G G G G              | 196                   | 26                   |
| 02841E                                  | 2013S             | 2568-07150                                         | 00000/0000       | 2-20030/1099        | 08/12/76        | 0            | 7914         | 34.5                               | 54.2                | G G G G              | 183                   | 74                   |
| 02840E                                  | 5430N             | 2475-08220                                         | 00000/0000       | 2-20025/0159        | 05/11/76        | 0            | 6618         | 48.8                               | 142.7               | G G G G              | 198                   | 22                   |
| 02840E                                  | 5142N             | 2474-08170                                         | 00000/0000       | 2-20025/0111        | 05/10/76        | 0            | 6604         | 50.2                               | 139.2               | G G G G              | 197                   | 24                   |
| 02840E                                  | 4849N             | 2599-08085                                         | 00000/0000       | 2-20032/1101        | 09/12/76        | 30           | 8347         | 39.3                               | 142.6               | G G G G              | 196                   | 26                   |
| 02840E                                  | 4846N             | 2617-08081                                         | 00000/0000       | 2-20034/0178        | 09/30/76        | 90           | 8598         | 33.4                               | 147.5               | F G G G              | 196                   | 26                   |
| 02839E                                  | 7929N             | 2490-11223                                         | 00000/0000       | 2-20028/0001        | 05/26/76        | 10           | 6829         | 31.0                               | 202.2               | G G G G              | 230                   | 2                    |
| 02839E                                  | 5142N             | 2438-08181                                         | 00000/0000       | 2-20022/1314        | 04/04/76        | 20           | 6102         | 38.8                               | 144.0               | G G G G              | 197                   | 24                   |
| 02838E                                  | 6251N             | 2443-08432                                         | 00000/0000       | 2-20022/1626        | 04/09/76        | 10           | 6172         | 32.8                               | 155.3               | F G G G              | 202                   | 16                   |
| 02838E                                  | 4844N             | 2671-08062                                         | 00000/0000       | 2-20036/1223        | 11/23/76        | 60           | 9351         | 17.0                               | 154.2               | G G G G              | 196                   | 26                   |
| 02838E                                  | 4843N             | 2545-08102                                         | 00000/0000       | 2-20029/0143        | 07/20/76        | 30           | 7594         | 52.9                               | 128.6               | G G G G              | 196                   | 26                   |
| 02838E                                  | 4843N             | 2653-08070                                         | 00000/0000       | 2-20036/0013        | 11/05/76        | 100          | 9100         | 21.7                               | 153.6               | G G G G              | 196                   | 26                   |
| 02838E                                  | 4839N             | 2509-08112                                         | 00000/0000       | 2-20027/0196        | 06/14/76        | 90           | 7092         | 56.1                               | 128.3               | G G G G              | 196                   | 26                   |
| 02837E                                  | 5141N             | 2708-08094                                         | 00000/0000       | 2-20038/0275        | 12/30/76        | 90           | 9867         | 10.8                               | 152.5               | G G G G              | 197                   | 24                   |
| 02837E                                  | 0419N             | 2374-07362                                         | 00000/0000       | 2-20020/0673        | 01/31/76        | 20           | 5209         | 44.4                               | 119.9               | F G G G              | 187                   | 57                   |
| 02836E                                  | 5427N             | 2565-08193                                         | 00000/0000       | 2-20030/1008        | 08/08/76        | 40           | 7873         | 45.7                               | 140.1               | G G G G              | 198                   | 22                   |
| 02836E                                  | 5423N             | 2493-08213                                         | 00000/0000       | 2-20026/0414        | 05/29/76        | 30           | 6869         | 52.2                               | 139.8               | G G G G              | 198                   | 22                   |
| 02836E                                  | 5139N             | 2690-08102                                         | 00000/0000       | 2-20037/0483        | 12/12/76        | 40           | 9616         | 11.5                               | 154.6               | G G G G              | 197                   | 24                   |
| 02835E                                  | 4841N             | 2635-08074                                         | 00000/0000       | 2-20034/1082        | 10/18/76        | 70           | 8849         | 27.4                               | 151.2               | G F G G              | 196                   | 26                   |
| 02835E                                  | 2723N             | 2396-07520                                         | 00000/0000       | 2-20021/0479        | 02/22/76        | 0            | 5516         | 38.0                               | 131.7               | G G G G              | 191                   | 41                   |
| 02834E                                  | 5426N             | 2601-08183                                         | 00000/0000       | 2-20032/1120        | 09/14/76        | 20           | 8375         | 34.8                               | 148.3               | G G F F              | 198                   | 22                   |
| 02834E                                  | 5423N             | 2547-08200                                         | 00000/0000       | 2-20028/1715        | 07/22/76        | 20           | 7622         | 49.8                               | 137.2               | G G G G              | 198                   | 22                   |
| 02834E                                  | 5423N             | 2619-08180                                         | 00000/0000       | 2-20034/0193        | 10/02/76        | 20           | 8626         | 28.6                               | 152.2               | G G G G              | 198                   | 22                   |
| 02834E                                  | 5143N             | 2582-08141                                         | 00000/0000       | 2-20032/0083        | 08/26/76        | 10           | 8110         | 42.7                               | 140.8               | G G G G              | 197                   | 24                   |
| 02834E                                  | 5140N             | 2564-08144                                         | 00000/0000       | 2-20032/0242        | 08/08/76        | 90           | 7859         | 47.6                               | 136.3               | G G G G              | 197                   | 24                   |
| 02834E                                  | 5140N             | 2600-08134                                         | 00000/0000       | 2-20032/1317        | 09/13/76        | 60           | 8361         | 37.1                               | 145.5               | G G G G              | 197                   | 24                   |
| 02834E                                  | 5138N             | 2618-08131                                         | 00000/0000       | 2-20034/0215        | 10/01/76        | 10           | 8612         | 31.0                               | 149.9               | G G G G              | 197                   | 24                   |
| 02834E                                  | 5134N             | 2492-08164                                         | 00000/0000       | 2-20026/0367        | 05/28/76        | 10           | 6855         | 53.6                               | 135.7               | G G G F              | 197                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL No./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02834E 1004N                            | 2609-07335        | 00000/0000                   | 2-20037/1623                | 09/22/76         | 20                  | 8486            | 52.8         | 103.1        | GGGG                               |                     |                      | 188                   | 53                   |
| 02833E 5132N                            | 2366-08200        | 00000/0000                   | 2-20020/0239                | 01/23/76         | 80                  | 5098            | 14.4         | 151.6        | GGGG                               |                     |                      | 197                   | 24                   |
| 02833E 5129N                            | 2402-08191        | 00000/0000                   | 2-20021/0818                | 02/28/76         | 50                  | 5600            | 25.0         | 147.2        | GGGG                               |                     |                      | 197                   | 24                   |
| 02833E 2009S                            | 2370-07203        | 00000/0000                   | 2-20020/0462                | 01/27/76         | 70                  | 5153            | 48.2         | 95.8         | GGGG                               |                     |                      | 183                   | 74                   |
| 02832E 8010N                            | 2495-11504        | 00000/0000                   | 2-20026/0552                | 05/31/76         | 20                  | 6899            | 30.7         | 209.2        | GGG                                |                     |                      | 236                   | 1                    |
| 02832E 5420N                            | 2637-08172        | 00000/0000                   | 2-20034/1091                | 10/20/76         | 30                  | 8877            | 22.3         | 155.2        | GGGG                               |                     |                      | 198                   | 22                   |
| 02832E 5135N                            | 2420-08184        | 00000/0000                   | 2-20027/0214                | 03/17/76         | 30                  | 5851            | 31.8         | 145.5        | GGGG                               |                     |                      | 197                   | 24                   |
| 02832E 1005N                            | 2627-07332        | 00000/0000                   | 2-20034/0681                | 10/10/76         | 20                  | 8737            | 51.5         | 114.5        | GGGG                               |                     |                      | 188                   | 53                   |
| 02831E 6415N                            | 2462-08480        | 00000/0000                   | 2-20024/0802                | 04/28/76         | 50                  | 6437            | 38.3         | 156.7        | GGGG                               |                     |                      | 203                   | 13                   |
| 02831E 5417N                            | 2511-08211        | 00000/0000                   | 2-20026/1697                | 06/16/76         | 90                  | 7120            | 53.4         | 137.1        | GGGG                               |                     |                      | 198                   | 22                   |
| 02830E 5418N                            | 2655-08164        | 00000/0000                   | 2-20036/0627                | 11/07/76         | 90                  | 9128            | 16.6         | 156.8        | GGGG                               |                     |                      | 198                   | 22                   |
| 02830E 5133N                            | 2546-08151        | 00000/0000                   | 2-20029/0065                | 07/21/76         | 50                  | 7608            | 51.5         | 133.0        | GGGG                               |                     |                      | 197                   | 24                   |
| 02830E 5133N                            | 2636-08123        | 00000/0000                   | 2-20034/0909                | 10/19/76         | 10                  | 8863            | 24.8         | 153.2        | FGGG                               |                     |                      | 197                   | 24                   |
| 02830E 5130N                            | 2510-08161        | 00000/0000                   | 2-20026/1543                | 06/15/76         | 60                  | 7106            | 54.8         | 132.8        | GGGG                               |                     |                      | 197                   | 24                   |
| 02829E 5131N                            | 2528-08154        | 00000/0000                   | 2-20028/0646                | 07/03/76         | 10                  | 7357            | 54.0         | 131.7        | GGGG                               |                     |                      | 197                   | 24                   |
| 02829E 5131N                            | 2672-08111        | 00000/0000                   | 2-20036/1666                | 11/24/76         | 70                  | 9365            | 14.5         | 155.6        | GGGG                               |                     |                      | 197                   | 24                   |
| 02829E 4444N                            | 2454-08081        | 00000/0000                   | 2-20024/0152                | 04/20/76         | 10                  | 6325            | 48.5         | 134.0        | FGGG                               |                     |                      | 195                   | 29                   |
| 02829E 4438N                            | 2472-08074        | 00000/0000                   | 2-20025/0047                | 05/08/76         | 20                  | 6576            | 53.5         | 129.7        | GGGG                               |                     |                      | 198                   | 29                   |
| 02829E 2136N                            | 2395-07480        | 00000/0000                   | 2-20021/0289                | 02/21/76         | 80                  | 5502            | 40.7         | 127.3        | GGGG                               |                     |                      | 190                   | 45                   |
| 02828E 6414N                            | 2444-08483        | 00000/0000                   | 2-20022/1866                | 04/10/76         | 100                 | 6186            | 32.1         | 157.0        | GGGG                               |                     |                      | 203                   | 15                   |
| 02828E 6239N                            | 2551-08402        | 00000/0000                   | 2-20030/0154                | 07/26/76         | 90                  | 7678            | 43.9         | 149.4        | GGGG                               |                     |                      | 202                   | 16                   |
| 02828E 5131N                            | 2654-08115        | 00000/0000                   | 2-20036/0040                | 11/06/76         | 90                  | 9114            | 19.2         | 155.2        | GGGG                               |                     |                      | 197                   | 24                   |
| 02828E 1552N                            | 2394-07440        | 00000/0000                   | 2-20021/0272                | 02/20/76         | 0                   | 5488            | 42.9         | 122.7        | GGGG                               |                     |                      | 189                   | 49                   |
| 02826E 7650N                            | 2461-10213        | 00000/0000                   | 2-20024/0669                | 04/27/76         | 50                  | 6424            | 27.1         | 185.1        | GGGG                               |                     |                      | 219                   | 5                    |
| 02826E 6535N                            | 2463-08532        | 00000/0000                   | 2-20024/1014                | 04/29/76         | 40                  | 6451            | 37.6         | 158.6        | GGGG                               |                     |                      | 204                   | 14                   |
| 02826E 5847N                            | 2459-08324        | 00000/0000                   | 2-20024/0567                | 04/25/76         | 90                  | 6395            | 41.4         | 149.9        | GGGG                               |                     |                      | 200                   | 19                   |
| 02826E 4439N                            | 2436-08085        | 00000/0000                   | 2-20022/1169                | 04/02/76         | 10                  | 6074            | 42.4         | 137.3        | GGGG                               |                     |                      | 195                   | 29                   |
| 02825E 4443N                            | 2580-08045        | 00000/0000                   | 2-20030/1777                | 08/24/76         | 20                  | 8082            | 47.1         | 132.3        | GGGG                               |                     |                      | 195                   | 29                   |
| 02824E 6234N                            | 2407-08443        | 00000/0000                   | 2-20021/1038                | 03/04/76         | 0                   | 5670            | 18.8         | 155.5        | GGGG                               |                     |                      | 202                   | 16                   |
| 02824E 5115N                            | 2384-08195        | 00000/0000                   | 2-20020/1069                | 02/10/76         | 0                   | 5349            | 19.1         | 149.0        | GGGG                               |                     |                      | 197                   | 24                   |
| 02824E 0251S                            | 2373-07324        | 00000/0000                   | 2-20020/0621                | 01/30/76         | 90                  | 5195            | 46.5         | 113.2        | FGGG                               |                     |                      | 186                   | 62                   |
| 02822E 7745N                            | 2482-10374        | 00000/0000                   | 2-20025/0763                | 05/18/76         | 90                  | 6717            | 31.7         | 189.9        | GGGG                               |                     |                      | 223                   | 4                    |
| 02822E 4429N                            | 2490-08072        | 00000/0000                   | 2-20026/0179                | 05/26/76         | 10                  | 6827            | 56.6         | 124.9        | FGGG                               |                     |                      | 195                   | 29                   |
| 02821E 4436N                            | 2598-08042        | 00000/0000                   | 2-20032/1173                | 09/11/76         | 30                  | 8333            | 42.2         | 138.3        | GGGG                               |                     |                      | 195                   | 29                   |
| 02820E 4429N                            | 2526-08062        | 00000/0000                   | 2-20028/0266                | 07/01/76         | 10                  | 7329            | 56.9         | 120.0        | GGGG                               |                     |                      | 195                   | 29                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------------------------|------------------|---------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02819E 4429N                            | 2544-08055        | 00000/0000 2-20029/0019                        | 07/19/76         | 20                  | 7580         | 54.7 121.9   |                                    |                     |                      |                       |                      |
| 02819E 4426N                            | 2508-08065        | 00000/0000 2-20026/1432                        | 06/13/76         | 10                  | 7078         | 57.7 121.2   | GGGG                               |                     |                      | 195                   | 29                   |
| 02819E 2140S                            | 2568-07153        | 00000/0000 2-20030/1100                        | 08/12/76         | 0                   | 7914         | 33.4 53.6    | GFGG                               |                     |                      | 195                   | 29                   |
| 02818E 0254N                            | 2374-07364        | 00000/0000 2-20020/0674                        | 01/31/76         | 80                  | 5209         | 44.9 118.5   | FGGG                               |                     |                      | 183                   | 75                   |
| 02817E 4425N                            | 2652-08023        | 00000/0000 2-20035/0563                        | 11/04/76         | 50                  | 9086         | 25.3 151.2   | GGGG                               |                     |                      | 187                   | 58                   |
| 02816E 4427N                            | 2400-08095        | 00000/0000 2-20021/0726                        | 02/26/76         | 10                  | 5572         | 29.1 142.7   | GFGG                               |                     |                      | 195                   | 29                   |
| 02815E 4416N                            | 2382-08102        | 00000/0000 2-20020/1212                        | 02/08/76         | 30                  | 5321         | 23.5 145.4   | GGGG                               |                     |                      | 195                   | 29                   |
| 02813E 7538N                            | 2476-10042        | 00000/0000 2-20025/0076                        | 05/12/76         | 50                  | 6633         | 32.6 180.5   | GGGG                               |                     |                      | 217                   | 6                    |
| 02812E 2557N                            | 2396-07523        | 00000/0000 2-20021/0480                        | 02/22/76         | 0                   | 5516         | 38.8 130.6   | FGGG                               |                     |                      | 191                   | 42                   |
| 02811E 2136S                            | 2370-07210        | 00000/0000 2-20020/0463                        | 01/27/76         | 70                  | 5153         | 48.1 94.2    | FGGG                               |                     |                      | 183                   | 75                   |
| 02810E 7840N                            | 2486-11001        | 00000/0000 2-20025/1063                        | 05/22/76         | 20                  | 6773         | 31.4 195.7   | GGGG                               |                     |                      | 227                   | 3                    |
| 02809E 4727N                            | 2707-08051        | 00000/0000 2-20038/0271                        | 12/29/76         | 10                  | 9853         | 14.0 150.8   | GGGG                               |                     |                      | 196                   | 27                   |
| 02808E 7936N                            | 2455-11291        | 00000/0000 2-20024/0307                        | 04/21/76         | 50                  | 6341         | 21.7 202.3   | FGGG                               |                     |                      | 231                   | 2                    |
| 02808E 6636N                            | 2410-09002        | 00000/0000 2-20021/1114                        | 03/07/76         | 70                  | 5712         | 16.9 159.8   | GF                                 |                     |                      | 205                   | 13                   |
| 02808E 4730N                            | 2437-08134        | 00000/0000 2-20022/1158                        | 04/03/76         | 0                   | 6088         | 41.0 140.0   | GGGG                               |                     |                      | 196                   | 27                   |
| 02807E 4731N                            | 2581-08094        | 00000/0000 2-20032/0100                        | 08/25/76         | 30                  | 8096         | 45.4 135.8   | GGGG                               |                     |                      | 196                   | 27                   |
| 02807E 4728N                            | 2725-08043        | 00000/0000 2-20038/1506                        | 01/16/77         | 60                  | 104          | 15.4 148.0   | GGGG                               |                     |                      | 196                   | 27                   |
| 02807E 4722N                            | 2491-08121        | 00000/0000 2-20026/0344                        | 05/27/76         | 10                  | 6841         | 55.5 129.4   | GGGG                               |                     |                      | 196                   | 27                   |
| 02807E 2010N                            | 2395-07483        | 00000/0000 2-20021/0290                        | 02/21/76         | 20                  | 5502         | 41.3 126.1   | GGGG                               |                     |                      | 190                   | 46                   |
| 02807E 1426N                            | 2394-07442        | 00000/0000 2-20021/0273                        | 02/20/76         | 0                   | 5488         | 43.5 121.4   | GGGG                               |                     |                      | 189                   | 50                   |
| 02805E 6518N                            | 2409-08550        | 00000/0000 2-20021/1313                        | 03/06/76         | 20                  | 5698         | 17.5 158.3   | GGGG                               |                     |                      | 204                   | 14                   |
| 02804E 4720N                            | 2527-08112        | 00000/0000 2-20028/0560                        | 07/02/76         | 20                  | 7343         | 55.9 124.9   | GGGG                               |                     |                      | 196                   | 27                   |
| 02804E 0418S                            | 2373-07330        | 00000/0000 2-20020/0622                        | 01/30/76         | 90                  | 5195         | 46.9 111.7   | GGGG                               |                     |                      | 186                   | 63                   |
| 02803E 4724N                            | 2419-08141        | 00000/0000 2-20022/0146                        | 03/16/76         | 80                  | 5837         | 34.2 142.3   | GGFG                               |                     |                      | 196                   | 27                   |
| 02803E 4724N                            | 2599-08091        | 00000/0000 2-20032/1102                        | 09/12/76         | 10                  | 8347         | 40.2 141.3   | GGGG                               |                     |                      | 196                   | 27                   |
| 02803E 4722N                            | 2617-08084        | 00000/0000 2-20034/0179                        | 09/30/76         | 60                  | 8598         | 34.4 146.4   | GGGG                               |                     |                      | 196                   | 27                   |
| 02803E 4717N                            | 2365-08153        | 00000/0000 2-20020/0046                        | 01/22/76         | 30                  | 5084         | 17.4 149.7   | GGGG                               |                     |                      | 196                   | 27                   |
| 02803E 7140S                            | 2386-05405        | 00000/0000 2-20021/0111                        | 02/12/76         | 80                  | 5375         | 19.4 75.5    | FGGG                               |                     |                      | 163                   | 111                  |
| 02802E 6354N                            | 2408-08494        | 00000/0000 2-20021/1145                        | 03/05/76         | 10                  | 5684         | 18.2 156.8   | FGGG                               |                     |                      | 203                   | 15                   |
| 02802E 5551N                            | 2476-08272        | 00000/0000 2-20025/0185                        | 05/12/76         | 10                  | 6632         | 48.2 144.4   | GGGG                               |                     |                      | 199                   | 21                   |
| 02802E 4719N                            | 2671-08064        | 00000/0000 2-20036/1224                        | 11/23/76         | 80                  | 9351         | 18.1 153.6   | GGGG                               |                     |                      | 196                   | 27                   |
| 02802E 4715N                            | 2509-08115        | 00000/0000 2-20027/0197                        | 06/14/76         | 90                  | 7092         | 56.7 125.9   | GGGG                               |                     |                      | 196                   | 27                   |
| 02801E 4718N                            | 2653-08072        | 00000/0000 2-20036/0014                        | 11/05/76         | 90                  | 9100         | 22.8 152.8   | GGGG                               |                     |                      | 196                   | 27                   |
| 02801E 4717N                            | 2545-08105        | 00000/0000 2-20029/0144                        | 07/20/76         | 40                  | 7594         | 53.5 126.4   | GGGG                               |                     |                      | 196                   | 27                   |
| 02800E 5552N                            | 2566-08245        | 00000/0000 2-20030/1026                        | 08/10/76         | 100                 | 7887         | 44.6 142.1   | GGGG                               |                     |                      | 199                   | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=H734 GAIN



02144 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR MON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02800E                                  | 5021N             | 2456-08180                   | 00000/0000                  | 2-20024/0454     | 04/22/76            | 80              | 6353         | 46.0         | 140.3                              |                     |                      |                       |                      |
| 02800E                                  | 4714N             | 2401-08145                   | 00000/0000                  | 2-20022/0003     | 02/27/76            | 70              | 5586         | 27.5         | 144.4                              | GGGG                |                      | 197                   | 25                   |
| 02759E                                  | 6008N             | 2460-08375                   | 00000/0000                  | 2-20024/0179     | 04/26/76            | 10              | 6409         | 40.8         | 151.4                              | GGGG                |                      | 196                   | 27                   |
| 02759E                                  | 5017N             | 2474-08173                   | 00000/0000                  | 2-20025/0112     | 05/10/76            | 10              | 6604         | 51.0         | 137.2                              | GGGG                |                      | 201                   | 18                   |
| 02758E                                  | 5017N             | 2438-08183                   | 00000/0000                  | 2-20022/1315     | 04/04/76            | 10              | 6102         | 39.7         | 142.6                              | GGGG                |                      | 197                   | 25                   |
| 02758E                                  | 4716N             | 2635-08080                   | 00000/0000                  | 2-20034/1083     | 10/18/76            | 90              | 8849         | 28.4         | 150.3                              | GGGG                |                      | 197                   | 25                   |
| 02758E                                  | 1719S             | 2569-07200                   | 00000/0000                  | 2-20030/1158     | 08/13/76            | 0               | 7928         | 36.7         | 55.8                               | FFGG                |                      | 196                   | 27                   |
| 02757E                                  | 5307N             | 2439-08232                   | 00000/0000                  | 2-20022/1560     | 04/05/76            | 70              | 6116         | 38.2         | 145.2                              | GGGG                |                      | 184                   | 72                   |
| 02757E                                  | 5016N             | 2708-08100                   | 00000/0000                  | 2-20038/0276     | 12/30/76            | 90              | 9867         | 11.8         | 151.9                              | GGGG                |                      | 198                   | 23                   |
| 02757E                                  | 4319N             | 2454-08084                   | 00000/0000                  | 2-20024/0153     | 04/20/76            | 10              | 6325         | 49.3         | 132.3                              | GGFF                |                      | 197                   | 25                   |
| 02757E                                  | 0128N             | 2374-07371                   | 00000/0000                  | 2-20020/0675     | 01/31/76            | 80              | 5209         | 45.3         | 117.1                              | FGFF                |                      | 195                   | 30                   |
| 02756E                                  | 7643N             | 2479-10210                   | 00000/0000                  | 2-20025/0545     | 05/15/76            | 40              | 6675         | 32.2         | 184.9                              | GGGG                |                      | 187                   | 59                   |
| 02756E                                  | 5017N             | 2726-08092                   | 00000/0000                  | 2-20038/1510     | 01/17/77            | 30              | 118          | 13.5         | 149.2                              | GGGG                |                      | 220                   | 5                    |
| 02756E                                  | 4705N             | 2383-08152                   | 00000/0000                  | 2-20020/1058     | 02/09/76            | 20              | 5335         | 21.8         | 146.8                              | GGGG                |                      | 197                   | 25                   |
| 02755E                                  | 5546N             | 2494-08265                   | 00000/0000                  | 2-20026/0440     | 05/30/76            | 100             | 6883         | 51.5         | 141.7                              | GGGG                |                      | 196                   | 27                   |
| 02755E                                  | 5544N             | 2548-08252                   | 00000/0000                  | 2-20030/0004     | 07/23/76            | 10              | 7636         | 48.9         | 139.2                              | FFGP                |                      | 199                   | 21                   |
| 02755E                                  | 5306N             | 2475-08222                   | 00000/0000                  | 2-20025/0160     | 05/11/76            | 0               | 6618         | 49.7         | 140.8                              | GGGG                |                      | 199                   | 21                   |
| 02755E                                  | 4313N             | 2472-08081                   | 00000/0000                  | 2-20025/0048     | 05/08/76            | 20              | 5576         | 54.2         | 127.6                              | GGGG                |                      | 198                   | 23                   |
| 02754E                                  | 6005N             | 2568-08350                   | 00000/0000                  | 2-20030/1192     | 08/12/76            | 60              | 7915         | 41.4         | 147.7                              | GGGG                |                      | 195                   | 30                   |
| 02754E                                  | 5546N             | 2530-08255                   | 00000/0000                  | 2-20028/0708     | 07/05/76            | 60              | 7385         | 51.6         | 138.3                              | FGGG                |                      | 201                   | 18                   |
| 02754E                                  | 5307N             | 2727-08141                   | 00000/0000                  | 2-20038/1575     | 01/18/77            | 0               | 132          | 11.6         | 150.4                              | GGGG                |                      | 199                   | 21                   |
| 02754E                                  | 5019N             | 2582-08143                   | 00000/0000                  | 2-20032/0084     | 08/26/76            | 10              | 8110         | 43.5         | 139.3                              | GGGG                |                      | 198                   | 23                   |
| 02754E                                  | 5016N             | 2564-08150                   | 00000/0000                  | 2-20032/0243     | 08/08/76            | 90              | 7859         | 48.3         | 134.5                              | GGGG                |                      | 197                   | 25                   |
| 02754E                                  | 4313N             | 2436-08091                   | 00000/0000                  | 2-20022/1170     | 04/02/76            | 10              | 6074         | 43.2         | 135.9                              | GGGG                |                      | 197                   | 25                   |
| 02753E                                  | 7934N             | 2473-11284                   | 00000/0000                  | 2-20025/0063     | 05/09/76            | 20              | 6592         | 27.2         | 202.9                              | GGGG                |                      | 195                   | 30                   |
| 02753E                                  | 6005N             | 2442-08383                   | 00000/0000                  | 2-20022/1519     | 04/08/76            | 30              | 6158         | 34.5         | 152.2                              | GFGG                |                      | 231                   | 2                    |
| 02753E                                  | 5015N             | 2600-08140                   | 00000/0000                  | 2-20032/1318     | 09/13/76            | 10              | 8361         | 38.0         | 144.3                              | GGGG                |                      | 201                   | 18                   |
| 02753E                                  | 5009N             | 2492-08120                   | 00000/0000                  | 2-20026/0368     | 05/28/76            | 10              | 6855         | 54.3         | 133.6                              | GGGG                |                      | 197                   | 25                   |
| 02753E                                  | 3003N             | 2379-07573                   | 00000/0000                  | 2-20020/1036     | 02/05/76            | 40              | 5279         | 32.1         | 138.0                              | GGGG                |                      | 197                   | 25                   |
| 02752E                                  | 6002N             | 2478-08373                   | 00000/0000                  | 2-20025/0458     | 05/14/76            | 40              | 6660         | 45.8         | 149.8                              | GGGG                |                      | 192                   | 39                   |
| 02752E                                  | 5306N             | 2691-08134                   | 00000/0000                  | 2-20037/0873     | 12/13/76            | 40              | 9630         | 10.3         | 155.2                              | FGGG                |                      | 201                   | 18                   |
| 02752E                                  | 5005N             | 2402-08194                   | 00000/0000                  | 2-20021/0819     | 02/28/76            | 20              | 5600         | 26.0         | 146.2                              | GGFF                |                      | 198                   | 23                   |
| 02751E                                  | 7740N             | 2500-10372                   | 00000/0000                  | 2-20026/0818     | 06/05/76            | 90              | 6968         | 34.8         | 188.7                              | GGGG                |                      | 197                   | 25                   |
| 02751E                                  | 5542N             | 2512-08262                   | 00000/0000                  | 2-20027/0096     | 06/17/76            | 100             | 7134         | 52.6         | 139.3                              | GGGG                |                      | 223                   | 4                    |
| 02751E                                  | 5303N             | 2565-08200                   | 00000/0000                  | 2-20030/1009     | 08/09/76            | 40              | 7873         | 46.6         | 138.3                              | GGGG                |                      | 199                   | 21                   |
|                                         |                   |                              |                             |                  |                     |                 |              |              |                                    |                     |                      | 198                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS-BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, I=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRAIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02751E 5011N                            | 2420-08191        | 00000/0000                   | 2-20021/1539                | 03/17/76         | 50                  | 5851            | 32.8         | 144.4        | GFGF                               |                     |                      | 197                   | 25                   |
| 02750E 6003N                            | 2604-08340        | 00000/0000                   | 2-20032/1434                | 09/17/76         | 60                  | 8417            | 29.6         | 154.3        | GGGG                               |                     |                      | 201                   | 18                   |
| 02750E 5009N                            | 2546-08154        | 00000/0000                   | 2-20029/0066                | 07/21/76         | 50                  | 7608            | 52.1         | 130.9        | GGGG                               |                     |                      | 197                   | 25                   |
| 02750E 5008N                            | 2636-08130        | 00000/0000                   | 2-20034/0910                | 10/19/76         | 50                  | 8863            | 25.9         | 152.3        | FGGG                               |                     |                      | 197                   | 25                   |
| 02749E 8008N                            | 2549-11492        | 00000/0000                   | 2-20030/0071                | 07/24/76         | 80                  | 7652            | 28.8         | 205.8        | GGGG                               |                     |                      | 236                   | 1                    |
| 02749E 5300N                            | 2421-08240        | 00000/0000                   | 2-20022/0242                | 03/18/76         | 30                  | 5865            | 31.3         | 146.6        | GGGG                               |                     |                      | 198                   | 23                   |
| 02749E 5259N                            | 2547-08203        | 00000/0000                   | 2-20028/1716                | 07/22/76         | 10                  | 7622            | 50.6         | 135.2        | GGGG                               |                     |                      | 198                   | 23                   |
| 02749E 5259N                            | 2619-08182        | 00000/0000                   | 2-20034/0194                | 10/02/76         | 30                  | 8626            | 29.6         | 151.2        | GGGG                               |                     |                      | 198                   | 23                   |
| 02749E 5256N                            | 2529-08210        | 00000/0000                   | 2-20028/0685                | 07/04/76         | 40                  | 7371            | 53.2         | 133.9        | GGGG                               |                     |                      | 198                   | 23                   |
| 02749E 5006N                            | 2510-08164        | 00000/0000                   | 2-20026/1544                | 06/15/76         | 50                  | 7106            | 55.5         | 130.5        | GGGG                               |                     |                      | 197                   | 25                   |
| 02749E 5006N                            | 2528-08161        | 00000/0000                   | 2-20028/0647                | 07/03/76         | 10                  | 7357            | 54.6         | 129.4        | FGGG                               |                     |                      | 197                   | 25                   |
| 02749E 4310N                            | 2598-08044        | 00000/0000                   | 2-20032/1174                | 09/11/76         | 20                  | 8333            | 43.0         | 136.9        | GFGG                               |                     |                      | 195                   | 30                   |
| 02749E 2431N                            | 2396-07525        | 00000/0000                   | 2-20021/0481                | 02/22/76         | 0                   | 5516            | 39.5         | 129.4        | GFGG                               |                     |                      | 191                   | 43                   |
| 02748E 5956N                            | 2496-08370        | 00000/0000                   | 2-20026/0652                | 06/01/76         | 80                  | 6911            | 49.0         | 147.6        | GFGG                               |                     |                      | 201                   | 18                   |
| 02748E 5301N                            | 2601-08190        | 00000/0000                   | 2-20032/1121                | 09/14/76         | 30                  | 8375            | 35.8         | 147.1        | GGGG                               |                     |                      | 198                   | 23                   |
| 02748E 5253N                            | 2367-08252        | 00000/0000                   | 2-20020/0397                | 01/24/76         | 70                  | 5112            | 13.5         | 152.2        | GGGG                               |                     |                      | 198                   | 23                   |
| 02748E 5006N                            | 2654-08122        | 00000/0000                   | 2-20036/0041                | 11/06/76         | 100                 | 9114            | 20.3         | 154.4        | GGGG                               |                     |                      | 197                   | 25                   |
| 02748E 4304N                            | 2526-08065        | 00000/0000                   | 2-20028/0267                | 07/01/76         | 10                  | 7329            | 57.3         | 117.6        | GGGG                               |                     |                      | 195                   | 30                   |
| 02747E 5955N                            | 2424-08390        | 00000/0000                   | 2-20021/1759                | 03/21/76         | 0                   | 5907            | 27.5         | 152.6        | GGGG                               |                     |                      | 201                   | 18                   |
| 02747E 5256N                            | 2637-08175        | 00000/0000                   | 2-20034/1092                | 10/20/76         | 20                  | 8877            | 23.4         | 154.3        | GGGG                               |                     |                      | 198                   | 23                   |
| 02747E 5253N                            | 2511-08213        | 00000/0000                   | 2-20026/1698                | 06/16/76         | 90                  | 7120            | 54.1         | 134.9        | FGGG                               |                     |                      | 198                   | 23                   |
| 02747E 1252N                            | 2394-07445        | 00000/0000                   | 2-20021/0274                | 02/20/76         | 0                   | 5488            | 44.0         | 120.0        | GGGG                               |                     |                      | 189                   | 51                   |
| 02746E 8012N                            | 2478-11565        | 00000/0000                   | 2-20025/0374                | 05/14/76         | 60                  | 6662            | 27.3         | 210.2        | GGGG                               |                     |                      | 236                   | 1                    |
| 02746E 5257N                            | 2673-08162        | 00000/0000                   | 2-20036/1347                | 11/25/76         | 40                  | 9379            | 13.1         | 156.3        | GGGG                               |                     |                      | 198                   | 23                   |
| 02746E 5251N                            | 2385-08250        | 00000/0000                   | 2-20021/0103                | 02/11/76         | 0                   | 5363            | 18.2         | 149.9        | GGGG                               |                     |                      | 198                   | 23                   |
| 02745E 5954N                            | 2622-08333        | 00000/0000                   | 2-20034/0370                | 10/05/76         | 70                  | 8668            | 23.2         | 157.2        | GGGG                               |                     |                      | 201                   | 18                   |
| 02745E 5254N                            | 2655-08171        | 00000/0000                   | 2-20036/0628                | 11/07/76         | 90                  | 9128            | 17.8         | 156.0        | GGGG                               |                     |                      | 198                   | 23                   |
| 02745E 4301N                            | 2652-08030        | 00000/0000                   | 2-20035/0564                | 11/04/76         | 20                  | 9086            | 26.4         | 150.4        | FGGG                               |                     |                      | 195                   | 30                   |
| 02745E 1844N                            | 2395-07485        | 00000/0000                   | 2-20021/0291                | 02/21/76         | 20                  | 5502            | 42.0         | 124.9        | GGGG                               |                     |                      | 190                   | 47                   |
| 02744E 7924N                            | 2508-11221        | 00000/0000                   | 2-20026/1433                | 06/13/76         | 60                  | 7080            | 33.3         | 200.3        | GGGG                               |                     |                      | 231                   | 2                    |
| 02744E 7532N                            | 2548-10022        | 00000/0000                   | 2-20030/0011                | 07/23/76         | 90                  | 7637            | 34.5         | 176.6        | GGGG                               |                     |                      | 217                   | 6                    |
| 02744E 5953N                            | 2532-08360        | 00000/0000                   | 2-20028/0847                | 07/27/76         | 90                  | 7413            | 48.9         | 144.6        | GGGG                               |                     |                      | 201                   | 18                   |
| 02744E 4951N                            | 2384-08201        | 00000/0000                   | 2-20020/1070                | 02/10/76         | 0                   | 5349            | 20.1         | 148.2        | GGGG                               |                     |                      | 197                   | 25                   |
| 02744E 0544S                            | 2373-07333        | 00000/0000                   | 2-20020/0623                | 01/30/76         | 90                  | 5195            | 47.2         | 110.2        | FFFF                               |                     |                      | 186                   | 64                   |
| 02743E 4251N                            | 2382-08105        | 00000/0000                   | 2-20020/1213                | 02/08/76         | 40                  | 5321            | 24.5         | 144.7        | GGGG                               |                     |                      | 195                   | 30                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02742E 5953N                            | 2640-08325        | 00000/0000                   | 2-20034/1064                | 10/23/76         | 80                  | 8919            | 16.8         | 159.4        | FGGG                               |                     |                      | 201                   | 18                   |
| 02742E 2846S                            | 2387-07170        | 00000/0000                   | 2-20020/1440                | 02/13/76         | 30                  | 5390            | 44.4         | 80.7         | GFGG                               |                     |                      | 182                   | 80                   |
| 02741E 7925N                            | 2544-11211        | 00000/0000                   | 2-20029/0020                | 07/19/76         | 80                  | 7582            | 30.9         | 198.4        | GGGG                               |                     |                      | 231                   | 2                    |
| 02741E 5949N                            | 2514-08363        | 00000/0000                   | 2-20027/0066                | 06/19/76         | 100                 | 7162            | 50.1         | 145.5        | GGGG                               |                     |                      | 201                   | 18                   |
| 02740E 5951N                            | 2658-08321        | 00000/0000                   | 2-20034/0263                | 11/10/76         | 90                  | 9170            | 11.2         | 160.4        | GGGG                               |                     |                      | 201                   | 18                   |
| 02737E 0001N                            | 2374-07373        | 00000/0000                   | 2-20020/0676                | 01/31/76         | 90                  | 5209            | 45.8         | 115.7        | FFFF                               |                     |                      | 187                   | 60                   |
| 02737E 1846S                            | 2569-07202        | 00000/0000                   | 2-20030/1159                | 08/13/76         | 0                   | 7928            | 35.7         | 55.1         | GGFG                               |                     |                      | 184                   | 73                   |
| 02734E 8006N                            | 2531-11495        | 00000/0000                   | 2-20028/0931                | 07/06/76         | 30                  | 7401            | 31.7         | 206.2        | GGGG                               |                     |                      | 236                   | 1                    |
| 02734E 7638N                            | 2497-10203        | 00000/0000                   | 2-20026/0143                | 06/02/76         | 70                  | 6926            | 35.6         | 183.8        | GGGG                               |                     |                      | 220                   | 5                    |
| 02734E 0546N                            | 2411-07404        | 00000/0000                   | 2-20021/1204                | 03/08/76         | 10                  | 5725            | 48.8         | 104.1        | GGGG                               |                     |                      | 188                   | 56                   |
| 02733E 7529N                            | 2530-10025        | 00000/0000                   | 2-20028/0769                | 07/05/76         | 100                 | 7386            | 37.3         | 177.0        | GGGG                               |                     |                      | 217                   | 6                    |
| 02733E 4605N                            | 2437-08140        | 00000/0000                   | 2-20027/1159                | 04/03/76         | 0                   | 6088            | 41.9         | 138.8        | GGGG                               |                     |                      | 196                   | 28                   |
| 02733E 4604N                            | 2455-08133        | 00000/0000                   | 2-20027/0267                | 04/21/76         | 50                  | 6339            | 48.1         | 135.4        | GGGG                               |                     |                      | 196                   | 28                   |
| 02733E 4603N                            | 2707-08054        | 00000/0000                   | 2-20038/0272                | 12/29/76         | 10                  | 9853            | 15.0         | 150.2        | GGGG                               |                     |                      | 196                   | 28                   |
| 02732E 4606N                            | 2581-08101        | 00000/0000                   | 2-20037/0101                | 08/25/76         | 20                  | 8096            | 46.2         | 134.2        | GFGG                               |                     |                      | 196                   | 28                   |
| 02732E 4603N                            | 2725-08045        | 00000/0000                   | 2-20038/1507                | 01/16/77         | 90                  | 104             | 16.4         | 147.4        | GGGG                               |                     |                      | 196                   | 28                   |
| 02732E 4601N                            | 2473-08130        | 00000/0000                   | 2-20024/1772                | 05/09/76         | 10                  | 6590            | 53.1         | 131.4        | GGGG                               |                     |                      | 196                   | 28                   |
| 02731E 4557N                            | 2491-08124        | 00000/0000                   | 2-20026/0345                | 05/27/76         | 10                  | 6841            | 56.2         | 127.1        | GGGG                               |                     |                      | 196                   | 28                   |
| 02731E 0543N                            | 2375-07414        | 00000/0000                   | 2-20020/0808                | 02/01/76         | 20                  | 5223            | 43.9         | 120.8        | GGGG                               |                     |                      | 188                   | 56                   |
| 02730E 6129N                            | 2443-08434        | 00000/0000                   | 2-20027/1674                | 04/09/76         | 10                  | 6172            | 33.8         | 153.7        | GGGG                               |                     |                      | 202                   | 17                   |
| 02730E 5723N                            | 2459-08330        | 00000/0000                   | 2-20024/0568                | 04/25/76         | 90                  | 6395            | 42.4         | 148.2        | GGGG                               |                     |                      | 200                   | 20                   |
| 02730E 4602N                            | 2689-08062        | 00000/0000                   | 2-20037/0270                | 12/11/76         | 100                 | 9602            | 16.0         | 152.2        | GGGG                               |                     |                      | 196                   | 28                   |
| 02730E 1135N                            | 2592-07394        | 00000/0000                   | 2-20037/0763                | 09/05/76         | 20                  | 8249            | 53.0         | 94.2         | GGGG                               |                     |                      | 189                   | 52                   |
| 02729E 4554N                            | 2527-08114        | 00000/0000                   | 2-20028/0561                | 07/02/76         | 10                  | 7343            | 56.4         | 122.5        | GGGG                               |                     |                      | 196                   | 28                   |
| 02729E 1133N                            | 2410-07391        | 00000/0000                   | 2-20037/1722                | 09/23/76         | 60                  | 8500            | 52.6         | 105.8        | GGGG                               |                     |                      | 189                   | 52                   |
| 02728E 7846N                            | 2469-11062        | 00000/0000                   | 2-20024/1483                | 05/05/76         | 0                   | 6536            | 27.2         | 196.3        | GGGG                               |                     |                      | 227                   | 3                    |
| 02728E 4559N                            | 2599-08094        | 00000/0000                   | 2-20032/1103                | 09/12/76         | 10                  | 8347            | 41.1         | 140.0        | PPPP                               |                     |                      | 196                   | 28                   |
| 02728E 4557N                            | 2617-08090        | 00000/0000                   | 2-20034/0180                | 09/30/76         | 80                  | 8598            | 35.3         | 145.3        | FGGG                               |                     |                      | 196                   | 28                   |
| 02728E 4553N                            | 2365-08160        | 00000/0000                   | 2-20020/0047                | 01/22/76         | 20                  | 5084            | 18.4         | 149.0        | GGGG                               |                     |                      | 196                   | 28                   |
| 02728E 7020S                            | 2370-05521        | 00000/0000                   | 2-20020/0466                | 01/27/76         | 100                 | 5132            | 25.1         | 75.0         | GGGG                               |                     |                      | 165                   | 110                  |
| 02727E 7749N                            | 2465-10435        | 00000/0000                   | 2-20024/1108                | 05/01/76         | 50                  | 6480            | 27.2         | 190.2        | GGGG                               |                     |                      | 223                   | 4                    |
| 02727E 7636N                            | 2551-10191        | 00000/0000                   | 2-20030/0174                | 07/26/76         | 70                  | 7679            | 32.8         | 180.9        | GGFG                               |                     |                      | 220                   | 5                    |
| 02727E 4558N                            | 2419-08144        | 00000/0000                   | 2-20022/0147                | 03/16/76         | 80                  | 5837            | 35.1         | 141.1        | GGGG                               |                     |                      | 196                   | 28                   |
| 02727E 4554N                            | 2671-08071        | 00000/0000                   | 2-20036/1225                | 11/23/76         | 90                  | 9351            | 19.2         | 152.9        | GGGG                               |                     |                      | 196                   | 28                   |
| 02727E 4550N                            | 2509-08121        | 00000/0000                   | 2-20027/0198                | 06/14/76         | 90                  | 7092            | 57.2         | 123.5        | FGFG                               |                     |                      | 196                   | 28                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANHSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02727E                                  | 2305N             | 2396-07532                                         | 00000/0000       | 2-20021/0482        | 02/22/76        | 30           | 5516         | 40.2                               | 128.2               | FGGG                 | 191                   | 44                   |
| 02727E                                  | 1133N             | 2394-07451                                         | 00000/0000       | 2-20021/0275        | 02/20/76        | 0            | 5488         | 44.5                               | 118.6               | GGGG                 | 189                   | 52                   |
| 02726E                                  | 5713N             | 2477-08323                                         | 00000/0000       | 2-20025/0275        | 05/13/76        | 10           | 6646         | 47.5                               | 146.1               | GGGG                 | 200                   | 20                   |
| 02726E                                  | 4554N             | 2653-08075                                         | 00000/0000       | 2-20036/0015        | 11/05/76        | 80           | 9100         | 23.9                               | 152.0               | FGGG                 | 196                   | 28                   |
| 02726E                                  | 4553N             | 2545-08111                                         | 00000/0000       | 2-20029/0145        | 07/20/76        | 20           | 7594         | 54.1                               | 124.2               | FGGG                 | 196                   | 28                   |
| 02725E                                  | 4550N             | 2401-08151                                         | 00000/0000       | 2-20022/0004        | 02/27/76        | 40           | 5586         | 28.5                               | 143.5               | FGGG                 | 196                   | 28                   |
| 02724E                                  | 1717N             | 2395-07492                                         | 00000/0000       | 2-20021/0292        | 02/21/76        | 40           | 5502         | 42.6                               | 123.6               | GGGG                 | 190                   | 48                   |
| 02723E                                  | 4551N             | 2635-08083                                         | 00000/0000       | 2-20034/1084        | 10/18/76        | 100          | 8849         | 29.5                               | 149.4               | FFGG                 | 196                   | 28                   |
| 02722E                                  | 7834N             | 2504-10594                                         | 00000/0000       | 2-20026/1117        | 06/09/76        | 30           | 7024         | 34.1                               | 194.0               | GGGG                 | 227                   | 3                    |
| 02722E                                  | 4856N             | 2456-08182                                         | 00000/0000       | 2-20024/0455        | 04/22/76        | 40           | 6353         | 46.8                               | 138.7               | GGGG                 | 197                   | 26                   |
| 02722E                                  | 4541N             | 2393-08154                                         | 00000/0000       | 2-20020/1059        | 02/09/76        | 10           | 5335         | 22.8                               | 146.1               | GGGG                 | 196                   | 28                   |
| 02721E                                  | 6118N             | 2551-08405                                         | 00000/0000       | 2-20030/0155        | 07/26/76        | 80           | 7678         | 44.8                               | 147.4               | GGGG                 | 202                   | 17                   |
| 02721E                                  | 4853N             | 2474-08175                                         | 00000/0000       | 2-20025/0113        | 05/10/76        | 10           | 6604         | 51.8                               | 135.3               | GGGG                 | 197                   | 26                   |
| 02719E                                  | 7735N             | 2536-10362                                         | 00000/0000       | 2-20023/1189        | 07/11/76        | 90           | 7470         | 34.4                               | 186.1               | GGGG                 | 223                   | 4                    |
| 02719E                                  | 7027S             | 2388-05515                                         | 00000/0000       | 2-20020/1364        | 02/14/76        | 10           | 5403         | 19.8                               | 73.6                | GGGF                 | 165                   | 110                  |
| 02718E                                  | 5709N             | 2549-08304                                         | 00000/0000       | 2-20029/0151        | 07/24/76        | 30           | 7650         | 47.8                               | 141.3               | GGGG                 | 200                   | 20                   |
| 02718E                                  | 5708N             | 2531-08311                                         | 00000/0000       | 2-20028/0810        | 07/06/76        | 90           | 7399         | 50.7                               | 140.4               | FGGG                 | 200                   | 20                   |
| 02718E                                  | 5707N             | 2495-08321                                         | 00000/0000       | 2-20026/0512        | 05/31/76        | 90           | 6897         | 50.7                               | 143.6               | GGFG                 | 200                   | 20                   |
| 02718E                                  | 5704N             | 2513-08314                                         | 00000/0000       | 2-20026/1843        | 05/18/76        | 100          | 7148         | 51.8                               | 141.3               | GGGG                 | 200                   | 20                   |
| 02718E                                  | 4852N             | 2708-08103                                         | 00000/0000       | 2-20038/0277        | 12/30/76        | 100          | 9867         | 12.9                               | 151.2               | FGGF                 | 197                   | 26                   |
| 02717E                                  | 6112N             | 2407-08445                                         | 00000/0000       | 2-20021/1039        | 03/04/76        | 0            | 5670         | 19.8                               | 154.3               | GGGG                 | 202                   | 17                   |
| 02717E                                  | 5147N             | 2457-08232                                         | 00000/0000       | 2-20024/0464        | 04/23/76        | 90           | 6367         | 45.4                               | 141.8               | GGGG                 | 198                   | 24                   |
| 02717E                                  | 4852N             | 2726-08095                                         | 00000/0000       | 2-20038/1511        | 01/17/77        | 50           | 118          | 14.5                               | 148.5               | GGGG                 | 197                   | 26                   |
| 02717E                                  | 3012S             | 2387-07172                                         | 00000/0000       | 2-20020/1441        | 02/13/76        | 40           | 5390         | 43.9                               | 79.5                | GGGG                 | 182                   | 81                   |
| 02716E                                  | 6254N             | 2462-08483                                         | 00000/0000       | 2-20024/0803        | 04/28/76        | 20           | 6437         | 39.4                               | 154.9               | GGGG                 | 203                   | 16                   |
| 02715E                                  | 4854N             | 2582-08150                                         | 00000/0000       | 2-20032/0085        | 08/26/76        | 10           | 8110         | 44.3                               | 137.7               | GGGG                 | 197                   | 26                   |
| 02715E                                  | 4851N             | 2564-08153                                         | 00000/0000       | 2-20032/0244        | 08/08/76        | 70           | 7859         | 49.0                               | 132.6               | GGFG                 | 197                   | 26                   |
| 02715E                                  | 4850N             | 2600-08143                                         | 00000/0000       | 2-20032/1319        | 09/13/76        | 10           | 8361         | 38.9                               | 143.0               | GGGG                 | 197                   | 26                   |
| 02715E                                  | 4845N             | 2492-08173                                         | 00000/0000       | 2-20026/0369        | 05/28/76        | 10           | 6855         | 55.0                               | 131.4               | GGGG                 | 197                   | 26                   |
| 02715E                                  | 2012S             | 2569-07205                                         | 00000/0000       | 2-20030/1160        | 08/13/76        | 10           | 7928         | 34.7                               | 54.4                | FGGG                 | 184                   | 74                   |
| 02714E                                  | 8038N             | 2537-12234                                         | 00000/0000       | 2-20028/1261        | 07/12/76        | 50           | 7485         | 29.8                               | 214.5               | GGGG                 | 224                   | 248                  |
| 02714E                                  | 5428N             | 2476-08274                                         | 00000/0000       | 2-20025/0186        | 05/12/76        | 10           | 6632         | 49.0                               | 142.5               | GGGG                 | 199                   | 22                   |
| 02714E                                  | 5143N             | 2439-08235                                         | 00000/0000       | 2-20022/1561        | 04/05/76        | 50           | 6116         | 39.1                               | 143.9               | FGFG                 | 198                   | 24                   |
| 02714E                                  | 4848N             | 2618-08140                                         | 00000/0000       | 2-20034/0216        | 10/01/76        | 80           | 8612         | 33.0                               | 147.8               | GGGG                 | 197                   | 26                   |
| 02714E                                  | 4843N             | 2366-08205                                         | 00000/0000       | 2-20020/0240        | 01/23/76        | 70           | 5098         | 16.5                               | 150.2               | GGGG                 | 197                   | 26                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------------------------|--------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBY                                     | MSS          |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 02713E                      | 6252N | 2444-08490        | 00000/0000                              | 2-20022/1867 | 04/10/76         | 100                 | 6186            | 33.1         | 155.4        | GGGG                  |                     |                      | 203                   | 16                   |
| 02713E                      | 4846N | 2420-08193        | 00000/0000                              | 2-20021/1540 | 03/17/76         | 90                  | 5851            | 33.7         | 143.3        | FFGF                  |                     |                      | 197                   | 26                   |
| 02713E                      | 4841N | 2402-08200        | 00000/0000                              | 2-20021/0820 | 02/28/76         | 10                  | 5600            | 26.9         | 145.3        | GGGG                  |                     |                      | 197                   | 26                   |
| 02712E                      | 7544N | 2459-10103        | 00000/0000                              | 2-20024/0274 | 04/25/76         | 70                  | 6396            | 27.6         | 180.6        | GGGG                  |                     |                      | 217                   | 6                    |
| 02712E                      | 5432N | 2584-08244        | 00000/0000                              | 2-20032/0454 | 08/28/76         | 10                  | 8138            | 40.3         | 144.4        | PPPP                  |                     |                      | 199                   | 22                   |
| 02712E                      | 5428N | 2566-08251        | 00000/0000                              | 2-20030/1027 | 08/10/76         | 90                  | 7887            | 45.5         | 140.3        | GGGG                  |                     |                      | 199                   | 22                   |
| 02712E                      | 5145N | 2583-08195        | 00000/0000                              | 2-20032/0256 | 08/27/76         | 10                  | 8124            | 42.3         | 141.1        | GGGG                  |                     |                      | 198                   | 24                   |
| 02712E                      | 5141N | 2475-08225        | 00000/0000                              | 2-20025/0161 | 05/11/76         | 10                  | 6618            | 50.5         | 138.9        | GGGG                  |                     |                      | 198                   | 24                   |
| 02712E                      | 4844N | 2546-08160        | 00000/0000                              | 2-20029/0067 | 07/21/76         | 40                  | 7608            | 52.8         | 128.8        | GGGG                  |                     |                      | 197                   | 26                   |
| 02712E                      | 4843N | 2672-08120        | 00000/0000                              | 2-20036/1667 | 11/24/76         | 40                  | 9365            | 16.8         | 154.2        | GGGG                  |                     |                      | 197                   | 26                   |
| 02711E                      | 5143N | 2727-08144        | 00000/0000                              | 2-20038/1576 | 01/18/77         | 0                   | 132             | 12.6         | 149.7        | GGFG                  |                     |                      | 198                   | 24                   |
| 02711E                      | 4843N | 2636-08132        | 00000/0000                              | 2-20034/0911 | 10/19/76         | 90                  | 8863            | 27.0         | 151.4        | FFGF                  |                     |                      | 197                   | 26                   |
| 02711E                      | 4842N | 2510-08170        | 00000/0000                              | 2-20026/1545 | 06/15/76         | 50                  | 7106            | 56.1         | 128.2        | GGGG                  |                     |                      | 197                   | 26                   |
| 02710E                      | 7928N | 2528-08163        | 00000/0000                              | 2-20028/0648 | 07/03/76         | 10                  | 7357            | 55.2         | 127.2        | GGGG                  |                     |                      | 197                   | 26                   |
| 02710E                      | 4842N | 2491-11282        | 00000/0000                              | 2-20026/0350 | 05/27/76         | 60                  | 6843            | 31.2         | 202.0        | GGGG                  |                     |                      | 232                   | 2                    |
| 02710E                      | 1008N | 2654-08124        | 00000/0000                              | 2-20036/0042 | 11/06/76         | 100                 | 9114            | 21.4         | 153.6        | GGGG                  |                     |                      | 197                   | 26                   |
| 02709E                      | 5141N | 2592-07400        | 00000/0000                              | 2-20032/0764 | 09/05/76         | 20                  | 8249            | 52.8         | 92.2         | FFGG                  |                     |                      | 189                   | 53                   |
| 02709E                      | 1007N | 2691-08160        | 00000/0000                              | 2-20037/0874 | 12/13/76         | 50                  | 9630            | 11.4         | 154.5        | GFGG                  |                     |                      | 198                   | 24                   |
| 02708E                      | 5430N | 2610-07393        | 00000/0000                              | 2-20032/1723 | 09/23/76         | 20                  | 8500            | 52.8         | 103.8        | GGGG                  |                     |                      | 189                   | 53                   |
| 02708E                      | 5421N | 2602-08241        | 00000/0000                              | 2-20032/1337 | 09/15/76         | 30                  | 8389            | 34.4         | 148.6        | FFGG                  |                     |                      | 199                   | 22                   |
| 02708E                      | 5139N | 2548-08255        | 00000/0000                              | 2-20030/0005 | 07/23/76         | 10                  | 7636            | 49.6         | 137.2        | GGGG                  |                     |                      | 199                   | 22                   |
| 02708E                      | 5139N | 2545-08202        | 00000/0000                              | 2-20030/1010 | 08/09/76         | 60                  | 7873            | 47.3         | 136.5        | GGGG                  |                     |                      | 198                   | 24                   |
| 02707E                      | 3422N | 2494-08271        | 00000/0000                              | 2-20026/0441 | 05/30/76         | 100                 | 6883            | 52.3         | 139.6        | GGFG                  |                     |                      | 199                   | 22                   |
| 02707E                      | 5422N | 2530-08262        | 00000/0000                              | 2-20028/0709 | 07/05/76         | 50                  | 7385            | 52.4         | 136.2        | GGGG                  |                     |                      | 199                   | 22                   |
| 02707E                      | 5135N | 2547-08205        | 00000/0000                              | 2-20028/1717 | 07/22/76         | 20                  | 7622            | 51.3         | 133.1        | GGGG                  |                     |                      | 198                   | 24                   |
| 02707E                      | 5132N | 2529-08213        | 00000/0000                              | 2-20028/0686 | 07/04/76         | 90                  | 7371            | 53.9         | 131.7        | GGGG                  |                     |                      | 198                   | 24                   |
| 02706E                      | 1007N | 2394-07454        | 00000/0000                              | 2-20021/0276 | 02/20/76         | 0                   | 5488            | 45.0         | 117.2        | GGGG                  |                     |                      | 189                   | 53                   |
| 02706E                      | 5417N | 2368-08304        | 00000/0000                              | 2-20020/0375 | 01/25/76         | 70                  | 5126            | 12.7         | 152.8        | FFGG                  |                     |                      | 199                   | 22                   |
| 02706E                      | 5137N | 2601-08192        | 00000/0000                              | 2-20032/1122 | 09/14/76         | 20                  | 8375            | 36.8         | 145.8        | GGGG                  |                     |                      | 198                   | 24                   |
| 02706E                      | 5134N | 2619-08185        | 00000/0000                              | 2-20034/0195 | 10/02/76         | 90                  | 8626            | 30.7         | 150.1        | GFGG                  |                     |                      | 198                   | 24                   |
| 02706E                      | 2712N | 2379-07582        | 00000/0000                              | 2-20020/1037 | 02/05/76         | 40                  | 5279            | 33.9         | 136.2        | GGGG                  |                     |                      | 192                   | 41                   |
| 02705E                      | 5417N | 2656-08222        | 00000/0000                              | 2-20036/0068 | 11/08/76         | 100                 | 9142            | 16.3         | 156.8        | GGGG                  |                     |                      | 199                   | 22                   |
| 02705E                      | 5132N | 2637-08181        | 00000/0000                              | 2-20034/1093 | 10/20/76         | 10                  | 8877            | 24.5         | 153.4        | GGGG                  |                     |                      | 198                   | 24                   |
| 02705E                      | 5129N | 2367-08255        | 00000/0000                              | 2-20020/0398 | 01/24/76         | 90                  | 5112            | 14.6         | 151.4        | GGGG                  |                     |                      | 198                   | 24                   |
| 02705E                      | 5129N | 2511-08220        | 00000/0000                              | 2-20026/1699 | 06/16/76         | 80                  | 7120            | 54.8         | 132.7        | FFGG                  |                     |                      | 198                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1151

| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 02705E                      | 4827N | 2384-08204 | 00000/0000        | 2-20020/1071                 | 02/10/76                    | 0                | 5349                | 21.1            | 147.4        | GGGG         |                       |                     |                      | 197                   | 26                   |
| 02705E                      | 2139N | 2396-07534 | 00000/0000        | 2-20021/0483                 | 02/22/76                    | 60               | 5516                | 40.9            | 127.0        | GGGG         |                       |                     |                      | 191                   | 45                   |
| 02704E                      | 6414N | 2463-08535 | 00000/0000        | 2-20024/1015                 | 04/29/76                    | 30               | 6451                | 38.7            | 156.6        | GGGG         |                       |                     |                      | 204                   | 15                   |
| 02704E                      | 5420N | 2638-08230 | 00000/0000        | 2-20034/0937                 | 10/21/76                    | 20               | 8891                | 22.0            | 155.3        | G            |                       |                     |                      | 199                   | 22                   |
| 02704E                      | 5414N | 2386-08302 | 00000/0000        | 2-20020/1379                 | 02/12/76                    | 10               | 5377                | 17.5            | 150.6        | GGGG         |                       |                     |                      | 199                   | 22                   |
| 02704E                      | 5134N | 2673-08165 | 00000/0000        | 2-20036/1348                 | 11/25/76                    | 60               | 9379                | 14.3            | 155.6        | FGGG         |                       |                     |                      | 198                   | 24                   |
| 02704E                      | 5125N | 2403-08250 | 00000/0000        | 2-20021/0880                 | 02/29/76                    | 100              | 5614                | 25.4            | 147.0        | FGFG         |                       |                     |                      | 198                   | 24                   |
| 02704E                      | 5127N | 2385-08253 | 00000/0000        | 2-20021/0104                 | 02/11/76                    | 0                | 5363                | 19.3            | 149.0        | GGFF         |                       |                     |                      | 198                   | 24                   |
| 02703E                      | 1552N | 2395-07494 | 00000/0000        | 2-20021/0293                 | 02/21/76                    | 0                | 5502                | 43.2            | 122.3        | GGGG         |                       |                     |                      | 190                   | 49                   |
| 02702E                      | 8015N | 2461-12030 | 00000/0000        | 2-20024/0671                 | 04/27/76                    | 50               | 6425                | 22.5            | 210.2        | GGGG         |                       |                     |                      | 237                   | 1                    |
| 02702E                      | 5129N | 2655-08173 | 00000/0000        | 2-20036/0629                 | 11/07/76                    | 100              | 9128                | 18.9            | 155.2        | GGGG         |                       |                     |                      | 198                   | 24                   |
| 02700E                      | 8008N | 2496-11563 | 00000/0000        | 2-20026/0527                 | 06/01/76                    | 90               | 6913                | 30.9            | 209.1        | GGGG         |                       |                     |                      | 237                   | 1                    |
| 02700E                      | 5845N | 2460-08332 | 00000/0000        | 2-20024/0180                 | 04/26/76                    | 10               | 6409                | 41.7            | 149.7        | GGGG         |                       |                     |                      | 201                   | 19                   |
| 02659E                      | 5407N | 2404-08295 | 00000/0000        | 2-20021/0953                 | 03/01/76                    | 100              | 5628                | 23.9            | 148.8        | FGGG         |                       |                     |                      | 199                   | 22                   |
| 02659E                      | 4440N | 2437-08143 | 00000/0000        | 2-20022/1160                 | 04/03/76                    | 0                | 6088                | 42.7            | 137.2        | GGGG         |                       |                     |                      | 196                   | 29                   |
| 02659E                      | 4435N | 2473-08133 | 00000/0000        | 2-20024/1773                 | 05/09/76                    | 10               | 6590                | 53.7            | 129.4        | GGGG         |                       |                     |                      | 196                   | 29                   |
| 02655E                      | 5842N | 2442-08385 | 00000/0000        | 2-20022/1520                 | 04/08/76                    | 20               | 6158                | 35.5            | 150.7        | GGGG         |                       |                     |                      | 201                   | 19                   |
| 02655E                      | 5842N | 2568-08352 | 00000/0000        | 2-20030/1193                 | 08/12/76                    | 90               | 7915                | 42.3            | 146.0        | FGGG         |                       |                     |                      | 201                   | 19                   |
| 02655E                      | 4429N | 2527-08121 | 00000/0000        | 2-20028/0562                 | 07/02/76                    | 10               | 7343                | 56.8            | 120.1        | GGGG         |                       |                     |                      | 196                   | 29                   |
| 02654E                      | 7649N | 2462-10271 | 00000/0000        | 2-20024/1260                 | 04/28/76                    | 10               | 6438                | 27.4            | 185.0        | GGGG         |                       |                     |                      | 220                   | 5                    |
| 02654E                      | 5843N | 2586-08345 | 00000/0000        | 2-20032/0218                 | 08/30/76                    | 10               | 8166                | 36.8            | 149.4        | GGGG         |                       |                     |                      | 201                   | 19                   |
| 02654E                      | 5839N | 2478-08375 | 00000/0000        | 2-20025/0355                 | 05/14/76                    | 40               | 6660                | 46.8            | 147.9        | GGGG         |                       |                     |                      | 201                   | 19                   |
| 02654E                      | 4433N | 2599-08100 | 00000/0000        | 2-20032/1104                 | 09/12/76                    | 10               | 8347                | 41.9            | 138.6        | GGGG         |                       |                     |                      | 196                   | 29                   |
| 02654E                      | 4425N | 2509-08124 | 00000/0000        | 2-20027/0199                 | 06/14/76                    | 80               | 7092                | 57.7            | 121.0        | FFFG         |                       |                     |                      | 196                   | 29                   |
| 02653E                      | 7744N | 2483-10433 | 00000/0000        | 2-20025/0828                 | 05/19/76                    | 80               | 6731                | 32.0            | 189.8        | GGGG         |                       |                     |                      | 220                   | 4                    |
| 02651E                      | 7540N | 2477-10100 | 00000/0000        | 2-20025/0284                 | 05/13/76                    | 70               | 6647                | 32.8            | 180.6        | GGGG         |                       |                     |                      | 218                   | 6                    |
| 02651E                      | 5841N | 2604-08342 | 00000/0000        | 2-20032/1435                 | 09/17/76                    | 90               | 8417                | 30.7            | 152.9        | GGGG         |                       |                     |                      | 201                   | 19                   |
| 02650E                      | 6232N | 2408-08501 | 00000/0000        | 2-20021/1146                 | 03/05/76                    | 0                | 5684                | 19.2            | 155.5        | GGGG         |                       |                     |                      | 203                   | 16                   |
| 02650E                      | 5834N | 2496-08372 | 00000/0000        | 2-20026/0653                 | 06/01/76                    | 80               | 6911                | 49.9            | 145.6        | GGGG         |                       |                     |                      | 201                   | 19                   |
| 02650E                      | 5832N | 2424-08393 | 00000/0000        | 2-20021/1760                 | 03/21/76                    | 10               | 5907                | 28.5            | 151.3        | GGGG         |                       |                     |                      | 201                   | 19                   |
| 02650E                      | 0842N | 2592-07403 | 00000/0000        | 2-20032/0765                 | 09/05/76                    | 50               | 8249                | 52.6            | 90.3         | GGFG         |                       |                     |                      | 189                   | 54                   |
| 02649E                      | 4416N | 2383-08161 | 00000/0000        | 2-20020/1060                 | 02/09/76                    | 0                | 5335                | 23.8            | 145.3        | GGGG         |                       |                     |                      | 196                   | 29                   |
| 02648E                      | 0840N | 2610-07400 | 00000/0000        | 2-20032/1724                 | 09/23/76                    | 30               | 8500                | 52.8            | 101.9        | GGGG         |                       |                     |                      | 189                   | 54                   |
| 02647E                      | 5831N | 2532-08363 | 00000/0000        | 2-20028/0848                 | 07/07/76                    | 100              | 7413                | 49.8            | 142.5        | GGGG         |                       |                     |                      | 201                   | 19                   |
| 02647E                      | 5831N | 2622-08335 | 00000/0000        | 2-20034/0371                 | 10/05/76                    | 90               | 8668                | 24.3            | 156.1        | GGGG         |                       |                     |                      | 201                   | 19                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR MON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL | MSS   | MSS  | ORBIT | FRAME |
|-----------------------------|-------|-------------------|-----------------------------------------|--------------|------------------|---------------------|-----------------|--------------|--------------|------------|-------|------|-------|-------|
| LONG                        | LAT   |                   | RBV                                     | MSS          |                  |                     |                 |              |              | RBV        | MSS   | DATA | IMAGE | PATH  |
|                             |       |                   |                                         |              |                  |                     |                 |              |              | 123        | 45678 | MODE | NUM.  | NUM.  |
| 02646E                      | 6357N | 2409-08553        | 00000/0000                              | 2-20021/1314 | 03/06/76         | 20                  | 5698            | 18.5         | 156.8        |            |       |      |       |       |
| 02646E                      | 0842N | 2394-07460        | 00000/0000                              | 2-20021/0277 | 02/20/76         | 20                  | 5488            | 45.4         | 115.8        | GGPG       |       |      | 204   | 15    |
| 02645E                      | 5830N | 2640-08331        | 00000/0000                              | 2-20034/1065 | 10/23/76         | 20                  | 8919            | 17.9         | 158.4        | GGGG       |       |      | 189   | 54    |
| 02645E                      | 4731N | 2456-08185        | 00000/0000                              | 2-20024/0456 | 04/22/76         | 30                  | 6353            | 47.6         | 137.0        | GGGG       |       |      | 201   | 19    |
| 02644E                      | 6641N | 2537-09023        | 00000/0000                              | 2-20028/1810 | 07/12/76         | 20                  | 7483            | 43.7         | 155.5        | GFGG       |       |      | 197   | 27    |
| 02644E                      | 4728N | 2474-08182        | 00000/0000                              | 2-20025/0114 | 05/10/76         | 10                  | 6604            | 52.6         | 133.3        | GGGG       |       |      | 206   | 13    |
| 02643E                      | 5827N | 2514-08370        | 00000/0000                              | 2-20027/0067 | 06/19/76         | 90                  | 7162            | 51.0         | 143.3        | GGG        |       |      | 197   | 27    |
| 02643E                      | 5825N | 2388-08403        | 00000/0000                              | 2-20020/1558 | 02/14/76         | 20                  | 5405            | 15.1         | 153.1        | GGGG       |       |      | 201   | 19    |
| 02643E                      | 2546N | 2379-07584        | 00000/0000                              | 2-20020/1038 | 02/05/76         | 50                  | 5279            | 34.7         | 135.2        | GGGG       |       |      | 201   | 19    |
| 02642E                      | 5828N | 2658-08323        | 00000/0000                              | 2-20036/0264 | 11/10/76         | 100                 | 9170            | 12.3         | 159.5        | GGGG       |       |      | 192   | 42    |
| 02642E                      | 4728N | 2438-08192        | 00000/0000                              | 2-20022/1316 | 04/04/76         | 0                   | 6102            | 41.4         | 139.8        | GGGG       |       |      | 201   | 19    |
| 02641E                      | 7840N | 2487-11055        | 00000/0000                              | 2-20025/1114 | 05/23/76         | 40                  | 6787            | 31.6         | 195.6        | GGGG       |       |      | 197   | 27    |
| 02641E                      | 6516N | 2410-09004        | 00000/0000                              | 2-20021/1115 | 03/07/76         | 60                  | 5712            | 17.9         | 158.2        | GGGG       |       |      | 228   | 3     |
| 02641E                      | 4727N | 2708-08105        | 00000/0000                              | 2-20038/0278 | 12/30/76         | 90                  | 9867            | 14.0         | 150.6        | GGGG       |       |      | 205   | 14    |
| 02640E                      | 4727N | 2726-08101        | 00000/0000                              | 2-20038/1512 | 01/17/77         | 60                  | 118             | 15.5         | 147.9        | GGGG       |       |      | 197   | 27    |
| 02639E                      | 5559N | 2459-08333        | 00000/0000                              | 2-20024/0569 | 04/25/76         | 90                  | 6395            | 43.3         | 146.5        | GGGG       |       |      | 197   | 27    |
| 02639E                      | 4729N | 2582-08152        | 00000/0000                              | 2-20032/0086 | 08/26/76         | 10                  | 8110            | 45.1         | 136.1        | GGGG       |       |      | 200   | 21    |
| 02639E                      | 4726N | 2564-08155        | 00000/0000                              | 2-20030/0972 | 08/08/76         | 70                  | 7859            | 49.7         | 130.8        | GGGG       |       |      | 197   | 27    |
| 02639E                      | 4721N | 2492-08175        | 00000/0000                              | 2-20026/0370 | 05/28/76         | 10                  | 6855            | 55.7         | 129.1        | GGGG       |       |      | 197   | 27    |
| 02638E                      | 4725N | 2600-08145        | 00000/0000                              | 2-20032/1320 | 09/13/76         | 10                  | 8361            | 39.9         | 141.6        | GGGG       |       |      | 197   | 27    |
| 02637E                      | 7935N | 2456-11350        | 00000/0000                              | 2-20024/0323 | 04/22/76         | 80                  | 6355            | 22.1         | 202.2        | GGGG       |       |      | 232   | 2     |
| 02637E                      | 4723N | 2618-08142        | 00000/0000                              | 2-20034/0217 | 10/01/76         | 100                 | 8612            | 34.0         | 146.7        | GGGG       |       |      | 197   | 27    |
| 02637E                      | 4719N | 2366-08212        | 00000/0000                              | 2-20020/0241 | 01/23/76         | 70                  | 5098            | 17.5         | 149.5        | GGGG       |       |      | 197   | 27    |
| 02636E                      | 5550N | 2477-08330        | 00000/0000                              | 2-20025/0276 | 05/13/76         | 20                  | 6646            | 48.4         | 144.3        | GGGG       |       |      | 200   | 21    |
| 02636E                      | 5022N | 2457-08234        | 00000/0000                              | 2-20024/0465 | 04/23/76         | 50                  | 6367            | 46.3         | 140.2        | GGGG       |       |      | 198   | 25    |
| 02636E                      | 4721N | 2420-08200        | 00000/0000                              | 2-20021/1541 | 03/17/76         | 80                  | 5851            | 34.6         | 142.1        | GGGG       |       |      | 197   | 27    |
| 02636E                      | 4717N | 2402-08203        | 00000/0000                              | 2-20021/0821 | 02/28/76         | 10                  | 5600            | 27.9         | 144.3        | GGGG       |       |      | 197   | 27    |
| 02635E                      | 7742N | 2555-10413        | 00000/0000                              | 2-20030/0465 | 07/30/76         | 90                  | 7735            | 30.7         | 186.2        | GGGG       |       |      | 224   | 4     |
| 02635E                      | 4719N | 2546-08163        | 00000/0000                              | 2-20029/0068 | 07/21/76         | 20                  | 7608            | 53.4         | 126.6        | GGGG       |       |      | 197   | 27    |
| 02635E                      | 4719N | 2672-08122        | 00000/0000                              | 2-20036/1668 | 11/24/76         | 20                  | 9365            | 17.9         | 153.6        | GGGG       |       |      | 197   | 27    |
| 02635E                      | 4718N | 2636-08135        | 00000/0000                              | 2-20034/0912 | 10/19/76         | 90                  | 8863            | 28.1         | 150.6        | GGGG       |       |      | 197   | 27    |
| 02635E                      | 4717N | 2510-08173        | 00000/0000                              | 2-20026/1546 | 06/15/76         | 60                  | 7106            | 56.7         | 125.8        | GGGG       |       |      | 197   | 27    |
| 02634E                      | 7645N | 2480-10264        | 00000/0000                              | 2-20025/0512 | 05/16/76         | 10                  | 6689            | 32.4         | 185.0        | GGGG       |       |      | 221   | 5     |
| 02634E                      | 7534N | 2495-10093        | 00000/0000                              | 2-20026/0521 | 05/31/76         | 50                  | 6898            | 36.4         | 179.6        | GGGG       |       |      | 218   | 6     |
| 02634E                      | 4717N | 2528-08170        | 00000/0000                              | 2-20028/0649 | 07/03/76         | 10                  | 7357            | 55.8         | 124.8        | GGGG       |       |      | 197   | 27    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02633E 5554N                            | 2567-08303        | 00000/0000                   | 2-20030/1132                | 08/11/76         | 90                  | 7901            | 44.3         | 142.3        | GGGG                               |                     |                      | 200                   | 21                   |
| 02633E 5019N                            | 2439-08241        | 00000/0000                   | 2-20022/1258                | 04/05/76         | 10                  | 6116            | 40.0         | 142.5        | GGGG                               |                     |                      | 198                   | 25                   |
| 02633E 4718N                            | 2654-08131        | 00000/0000                   | 2-20036/0043                | 11/06/76         | 70                  | 9114            | 22.5         | 152.9        | GGGG                               |                     |                      | 197                   | 27                   |
| 02633E 0717N                            | 2430-07452        | 00000/0000                   | 2-20022/0682                | 03/27/76         | 10                  | 5990            | 51.5         | 94.9         | GGGG                               |                     |                      | 189                   | 55                   |
| 02632E 5015N                            | 2475-08231        | 00000/0000                   | 2-20025/0162                | 05/11/76         | 10                  | 6618            | 51.3         | 137.0        | GGGG                               |                     |                      | 198                   | 25                   |
| 02632E 1717S                            | 2570-07254        | 00000/0000                   | 2-20030/1258                | 08/14/76         | 0                   | 7942            | 37.0         | 56.1         | GGGG                               |                     |                      | 185                   | 72                   |
| 02631E 5309N                            | 2458-08283        | 00000/0000                   | 2-20024/0289                | 04/24/76         | 10                  | 6381            | 44.9         | 143.3        | GGGG                               |                     |                      | 199                   | 23                   |
| 02631E 5020N                            | 2583-08202        | 00000/0000                   | 2-20032/0257                | 08/27/76         | 10                  | 8124            | 43.2         | 139.6        | GGGG                               |                     |                      | 198                   | 25                   |
| 02630E 5308N                            | 2440-08291        | 00000/0000                   | 2-20022/1429                | 04/06/76         | 20                  | 6130            | 38.6         | 145.2        | GGGG                               |                     |                      | 199                   | 23                   |
| 02630E 5018N                            | 2727-08150        | 00000/0000                   | 2-20038/1577                | 01/18/77         | 10                  | 132             | 13.6         | 149.0        | GGGG                               |                     |                      | 198                   | 25                   |
| 02629E 5310N                            | 2728-08195        | 00000/0000                   | 2-20038/1519                | 01/19/77         | 0                   | 146             | 11.7         | 150.3        | GGGG                               |                     |                      | 199                   | 23                   |
| 02629E 5017N                            | 2691-08163        | 00000/0000                   | 2-20037/0875                | 12/13/76         | 90                  | 9630            | 12.5         | 153.9        | GGGG                               |                     |                      | 198                   | 25                   |
| 02629E 4702N                            | 2384-08210        | 00000/0000                   | 2-20020/1072                | 02/10/76         | 0                   | 5349            | 22.1         | 146.6        | GGGG                               |                     |                      | 197                   | 27                   |
| 02628E 5546N                            | 2549-08310        | 00000/0000                   | 2-20029/0152                | 07/24/76         | 10                  | 7650            | 48.6         | 139.4        | GGGG                               |                     |                      | 200                   | 21                   |
| 02628E 5544N                            | 2495-08323        | 00000/0000                   | 2-20026/0513                | 05/31/76         | 90                  | 6897            | 51.6         | 141.5        | GGGG                               |                     |                      | 200                   | 21                   |
| 02628E 5544N                            | 2531-08314        | 00000/0000                   | 2-20028/0923                | 07/06/76         | 70                  | 7399            | 51.5         | 138.3        | GGGG                               |                     |                      | 200                   | 21                   |
| 02628E 5541N                            | 2513-08321        | 00000/0000                   | 2-20026/1844                | 06/18/76         | 100                 | 7148            | 52.6         | 139.1        | GGGG                               |                     |                      | 200                   | 21                   |
| 02628E 5303N                            | 2476-08281        | 00000/0000                   | 2-20025/0187                | 05/12/76         | 10                  | 6632            | 49.9         | 140.6        | GGGG                               |                     |                      | 199                   | 23                   |
| 02628E 5014N                            | 2565-08205        | 00000/0000                   | 2-20030/1011                | 08/09/76         | 30                  | 7873            | 48.1         | 134.7        | GGGG                               |                     |                      | 198                   | 25                   |
| 02627E 6007N                            | 2443-08441        | 00000/0000                   | 2-20022/1675                | 04/09/76         | 10                  | 6172            | 34.8         | 152.2        | GGGG                               |                     |                      | 202                   | 18                   |
| 02627E 5012N                            | 2421-08245        | 00000/0000                   | 2-20022/0243                | 03/18/76         | 100                 | 5865            | 33.2         | 144.3        | GGGG                               |                     |                      | 198                   | 25                   |
| 02627E 5010N                            | 2547-08212        | 00000/0000                   | 2-20028/1718                | 07/22/76         | 30                  | 7622            | 51.9         | 131.1        | GGGG                               |                     |                      | 198                   | 25                   |
| 02627E 5008N                            | 2529-08215        | 00000/0000                   | 2-20028/0687                | 07/04/76         | 40                  | 7371            | 54.5         | 129.5        | GGGG                               |                     |                      | 198                   | 25                   |
| 02627E 4314N                            | 2437-08145        | 00000/0000                   | 2-20022/1161                | 04/03/76         | 0                   | 6088            | 43.5         | 135.7        | GGGG                               |                     |                      | 196                   | 30                   |
| 02627E 4310N                            | 2473-08135        | 00000/0000                   | 2-20024/1774                | 05/09/76         | 10                  | 6590            | 54.4         | 127.2        | GGGG                               |                     |                      | 196                   | 30                   |
| 02626E 5304N                            | 2566-08254        | 00000/0000                   | 2-20030/1028                | 08/10/76         | 50                  | 7887            | 46.3         | 138.5        | GGGG                               |                     |                      | 199                   | 23                   |
| 02626E 5302N                            | 2422-08294        | 00000/0000                   | 2-20022/0289                | 03/19/76         | 10                  | 5879            | 31.6         | 146.5        | GGGG                               |                     |                      | 199                   | 23                   |
| 02626E 0714N                            | 2394-07463        | 00000/0000                   | 2-20021/0278                | 02/20/76         | 30                  | 5488            | 45.8         | 114.3        | GGGG                               |                     |                      | 189                   | 55                   |
| 02625E 5304N                            | 2692-08212        | 00000/0000                   | 2-20037/0826                | 12/14/76         | 90                  | 9644            | 10.2         | 155.1        | GGGG                               |                     |                      | 199                   | 23                   |
| 02625E 5012N                            | 2601-08195        | 00000/0000                   | 2-20032/1123                | 09/14/76         | 0                   | 8375            | 37.7         | 144.5        | GGGG                               |                     |                      | 198                   | 25                   |
| 02625E 5010N                            | 2619-08191        | 00000/0000                   | 2-20034/0196                | 10/02/76         | 100                 | 8626            | 31.7         | 149.0        | GGGG                               |                     |                      | 198                   | 25                   |
| 02625E 5005N                            | 2367-08261        | 00000/0000                   | 2-20020/0399                | 01/24/76         | 40                  | 5112            | 15.7         | 150.7        | GGGG                               |                     |                      | 198                   | 25                   |
| 02625E 5004N                            | 2511-08222        | 00000/0000                   | 2-20026/1700                | 06/16/76         | 90                  | 7120            | 55.5         | 130.4        | GGGG                               |                     |                      | 198                   | 25                   |
| 02625E 1717S                            | 2390-07304        | 00000/0000                   | 2-20020/1582                | 02/16/76         | 70                  | 5432            | 47.0         | 90.1         | GGGG                               |                     |                      | 185                   | 72                   |
| 02624E 7840N                            | 2559-11035        | 00000/0000                   | 2-20030/0739                | 08/03/76         | 40                  | 7791            | 28.5         | 192.1        | GGGG                               |                     |                      | 228                   | 3                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1154

| PRINCIPAL POINT<br>OF IMAGE<br>LONG | LAT   | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02624E                              | 5009N | 2673-08171        | 00000/0000                   | 2-20036/1349                | 11/25/76         | 30                  | 9379            | 15.4         | 154.9        | FGGG                               |                     |                      | 198                   | 25                   |
| 02624E                              | 5008N | 2637-08184        | 00000/0000                   | 2-20034/1094                | 10/20/76         | 20                  | 8877            | 25.6         | 152.5        | GGGG                               |                     |                      | 198                   | 25                   |
| 02624E                              | 5004N | 2403-08252        | 00000/0000                   | 2-20021/0881                | 02/29/76         | 90                  | 5614            | 26.4         | 146.1        | GGF                                |                     |                      | 198                   | 25                   |
| 02624E                              | 5003N | 2385-08255        | 00000/0000                   | 2-20021/0105                | 02/11/76         | 10                  | 5363            | 20.3         | 148.2        | GGFG                               |                     |                      | 198                   | 25                   |
| 02623E                              | 7933N | 2474-11343        | 00000/0000                   | 2-20025/0124                | 05/10/76         | 90                  | 6606            | 27.4         | 202.8        | GGGG                               |                     |                      | 232                   | 2                    |
| 02623E                              | 5306N | 2602-08244        | 00000/0000                   | 2-20037/1338                | 09/15/76         | 30                  | 8389            | 35.4         | 147.4        | GGGG                               |                     |                      | 199                   | 23                   |
| 02623E                              | 5258N | 2494-08274        | 00000/0000                   | 2-20026/0442                | 05/30/76         | 100                 | 6883            | 53.1         | 137.5        | GGFP                               |                     |                      | 199                   | 23                   |
| 02623E                              | 5257N | 2548-08261        | 00000/0000                   | 2-20030/0006                | 07/23/76         | 10                  | 7636            | 50.4         | 135.2        | GGGG                               |                     |                      | 199                   | 23                   |
| 02623E                              | 4305N | 2527-08123        | 00000/0000                   | 2-20028/0563                | 07/02/76         | 20                  | 7343            | 57.2         | 117.6        | GGGG                               |                     |                      | 196                   | 30                   |
| 02622E                              | 5259N | 2620-08241        | 00000/0000                   | 2-20034/0259                | 10/03/76         | 10                  | 8640            | 29.3         | 151.4        | GGGG                               |                     |                      | 199                   | 23                   |
| 02622E                              | 5258N | 2530-08264        | 00000/0000                   | 2-20028/0710                | 07/05/76         | 50                  | 7385            | 53.1         | 134.0        | GGGG                               |                     |                      | 199                   | 23                   |
| 02622E                              | 5005N | 2655-08180        | 00000/0000                   | 2-20036/0630                | 11/07/76         | 100                 | 9128            | 20.0         | 154.5        | GGGG                               |                     |                      | 198                   | 25                   |
| 02622E                              | 4308N | 2599-08103        | 00000/0000                   | 2-20037/1125                | 09/12/76         | 10                  | 8347            | 42.8         | 137.2        | GGGG                               |                     |                      | 196                   | 30                   |
| 02621E                              | 5253N | 2368-08310        | 00000/0000                   | 2-20020/0376                | 01/25/76         | 90                  | 5126            | 13.7         | 152.0        | FGGG                               |                     |                      | 199                   | 23                   |
| 02621E                              | 1847N | 2396-07543        | 00000/0000                   | 2-20021/0429                | 02/22/76         | 0                   | 5516            | 42.2         | 124.5        | FGGG                               |                     |                      | 191                   | 47                   |
| 02620E                              | 5256N | 2638-08233        | 00000/0000                   | 2-20034/0938                | 10/21/76         | 10                  | 8891            | 23.1         | 154.4        | GGGG                               |                     |                      | 199                   | 23                   |
| 02620E                              | 5256N | 2674-08221        | 00000/0000                   | 2-20036/1360                | 11/26/76         | 100                 | 9393            | 12.9         | 156.2        | GGGG                               |                     |                      | 199                   | 23                   |
| 02620E                              | 5255N | 2512-08271        | 00000/0000                   | 2-20026/1744                | 06/17/76         | 100                 | 7134            | 54.1         | 134.9        | GGGG                               |                     |                      | 199                   | 23                   |
| 02620E                              | 5253N | 2656-08225        | 00000/0000                   | 2-20036/0069                | 11/08/76         | 100                 | 9142            | 17.5         | 156.0        | GGGG                               |                     |                      | 199                   | 23                   |
| 02620E                              | 5250N | 2386-08304        | 00000/0000                   | 2-20020/1380                | 02/12/76         | 0                   | 5377            | 18.6         | 149.7        | FFFF                               |                     |                      | 199                   | 23                   |
| 02620E                              | 2419N | 2379-07591        | 00000/0000                   | 2-20020/1039                | 02/05/76         | 50                  | 5279            | 35.6         | 134.3        | FGGG                               |                     |                      | 192                   | 43                   |
| 02619E                              | 5955N | 2551-08411        | 00000/0000                   | 2-20030/0168                | 07/26/76         | 50                  | 7678            | 45.7         | 145.4        | FGFG                               |                     |                      | 202                   | 18                   |
| 02617E                              | 4251N | 2383-08163        | 00000/0000                   | 2-20020/1061                | 02/09/76         | 10                  | 5335            | 24.8         | 144.5        | GGGG                               |                     |                      | 196                   | 30                   |
| 02615E                              | 5950N | 2407-08452        | 00000/0000                   | 2-20021/1040                | 03/04/76         | 0                   | 5670            | 20.9         | 153.1        | GGGF                               |                     |                      | 202                   | 18                   |
| 02615E                              | 5243N | 2404-08302        | 00000/0000                   | 2-20021/0954                | 03/01/76         | 100                 | 5628            | 24.9         | 147.8        | GGGG                               |                     |                      | 199                   | 23                   |
| 02613E                              | 8011N | 2479-12024        | 00000/0000                   | 2-20025/0547                | 05/15/76         | 90                  | 6676            | 27.6         | 210.1        | GGGG                               |                     |                      | 237                   | 1                    |
| 02613E                              | 7639N | 2498-10262        | 00000/0000                   | 2-20026/1183                | 06/03/76         | 50                  | 6940            | 35.7         | 183.9        | GGGG                               |                     |                      | 221                   | 5                    |
| 02611E                              | 1844S | 2570-07260        | 00000/0000                   | 2-20030/1259                | 08/14/76         | 0                   | 7942            | 36.0         | 55.4         | GGGG                               |                     |                      | 185                   | 73                   |
| 02608E                              | 6131N | 2462-08485        | 00000/0000                   | 2-20024/0804                | 04/28/76         | 20                  | 6437            | 40.4         | 153.1        | GGGG                               |                     |                      | 203                   | 17                   |
| 02608E                              | 4603N | 2474-08184        | 00000/0000                   | 2-20025/0115                | 05/10/76         | 20                  | 6604            | 53.3         | 131.2        | GGGG                               |                     |                      | 197                   | 28                   |
| 02607E                              | 4603N | 2438-08195        | 00000/0000                   | 2-20027/1317                | 04/04/76         | 0                   | 6102            | 42.3         | 138.4        | GGGG                               |                     |                      | 197                   | 28                   |
| 02606E                              | 7528N | 2531-10084        | 00000/0000                   | 2-20028/0930                | 07/06/76         | 90                  | 7400            | 37.2         | 176.9        | GGGG                               |                     |                      | 218                   | 6                    |
| 02606E                              | 0546N | 2394-07465        | 00000/0000                   | 2-20021/0279                | 02/20/76         | 20                  | 5488            | 46.2         | 112.8        | GGGG                               |                     |                      | 189                   | 56                   |
| 02605E                              | 6130N | 2444-08492        | 00000/0000                   | 2-20022/1868                | 04/10/76         | 100                 | 6186            | 34.2         | 153.3        | GGGG                               |                     |                      | 203                   | 17                   |
| 02605E                              | 5722N | 2460-08384        | 00000/0000                   | 2-20024/0181                | 04/26/76         | 60                  | 6409            | 42.7         | 148.1        | GGGG                               |                     |                      | 201                   | 20                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NR./<br>IN RBLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02604E 4604N                            | 2582-08155        | 00000/0000                   | 2-20032/0087                | 08/26/76         | 50                  | 8110            | 45.9         | 134.5        | GGGG                               |                     |                      | 197                   | 28                   |
| 02604E 4601N                            | 2564-08162        | 00000/0000                   | 2-20030/0973                | 08/08/76         | 90                  | 7859            | 50.4         | 128.9        | GGGG                               |                     |                      | 197                   | 28                   |
| 02603E 4600N                            | 2600-08152        | 00000/0000                   | 2-20032/1321                | 09/13/76         | 10                  | 8361            | 40.7         | 140.3        | GGGG                               |                     |                      | 197                   | 28                   |
| 02603E 1843S                            | 2390-07311        | 00000/0000                   | 2-20020/1583                | 02/16/76         | 30                  | 5432            | 46.7         | 88.6         | FFFF                               |                     |                      | 185                   | 73                   |
| 02602E 7752N                            | 2466-10493        | 00000/0000                   | 2-20024/1183                | 05/02/76         | 20                  | 6494            | 27.5         | 190.3        | GGFG                               |                     |                      | 224                   | 4                    |
| 02602E 4551N                            | 2402-08205        | 00000/0000                   | 2-20021/0822                | 02/28/76         | 30                  | 5800            | 28.8         | 143.4        | GFGG                               |                     |                      | 197                   | 28                   |
| 02601E 5719N                            | 2442-08392        | 00000/0000                   | 2-20022/1521                | 04/08/76         | 50                  | 6158            | 36.5         | 149.3        | GGGG                               |                     |                      | 201                   | 20                   |
| 02601E 5719N                            | 2568-08355        | 00000/0000                   | 2-20030/1194                | 08/12/76         | 90                  | 7915            | 43.2         | 144.2        | GFGG                               |                     |                      | 201                   | 20                   |
| 02600E 5716N                            | 2478-08382        | 00000/0000                   | 2-20025/0356                | 05/14/76         | 20                  | 6660            | 47.7         | 146.1        | GGGG                               |                     |                      | 201                   | 20                   |
| 02600E 4553N                            | 2528-08172        | 00000/0000                   | 2-20028/0650                | 07/03/76         | 10                  | 7357            | 56.3         | 122.5        | GGGG                               |                     |                      | 197                   | 28                   |
| 02600E 4553N                            | 2672-08125        | 00000/0000                   | 2-20036/1669                | 11/24/76         | 30                  | 9365            | 19.0         | 152.9        | GGGG                               |                     |                      | 197                   | 28                   |
| 02600E 1721N                            | 2396-07550        | 00000/0000                   | 2-20021/0430                | 02/22/76         | 0                   | 5516            | 42.8         | 123.2        | GFGG                               |                     |                      | 191                   | 48                   |
| 02559E 7737N                            | 2537-10420        | 00000/0000                   | 2-20028/1814                | 07/12/76         | 20                  | 7484            | 34.3         | 186.2        | FFFF                               |                     |                      | 224                   | 4                    |
| 02559E 5720N                            | 2586-08352        | 00000/0000                   | 2-20032/0219                | 08/30/76         | 10                  | 8166            | 37.8         | 147.8        | GGGG                               |                     |                      | 201                   | 20                   |
| 02558E 2253N                            | 2379-07593        | 00000/0000                   | 2-20020/1040                | 02/05/76         | 70                  | 5279            | 36.4         | 133.3        | GGGF                               |                     |                      | 192                   | 44                   |
| 02557E 4858N                            | 2457-08241        | 00000/0000                   | 2-20024/0466                | 04/23/76         | 30                  | 6367            | 47.1         | 138.5        | GGGG                               |                     |                      | 198                   | 26                   |
| 02556E 7834N                            | 2541-11043        | 00000/0000                   | 2-20028/1583                | 07/16/76         | 30                  | 7540            | 32.5         | 191.9        | GGGG                               |                     |                      | 228                   | 3                    |
| 02556E 5717N                            | 2604-08345        | 00000/0000                   | 2-20032/1436                | 09/17/76         | 70                  | 8417            | 31.7         | 151.6        | GGGG                               |                     |                      | 201                   | 20                   |
| 02556E 5710N                            | 2496-08375        | 00000/0000                   | 2-20026/0654                | 06/01/76         | 90                  | 6911            | 50.8         | 143.5        | GGGG                               |                     |                      | 201                   | 20                   |
| 02556E 5709N                            | 2424-08395        | 00000/0000                   | 2-20021/1761                | 03/21/76         | 30                  | 5907            | 29.5         | 150.0        | GGGG                               |                     |                      | 201                   | 20                   |
| 02555E 4854N                            | 2439-08244        | 00000/0000                   | 2-20022/1257                | 04/05/76         | 0                   | 6116            | 40.9         | 141.1        | FFFF                               |                     |                      | 198                   | 26                   |
| 02554E 4851N                            | 2475-08234        | 00000/0000                   | 2-20025/0163                | 05/11/76         | 10                  | 6618            | 52.1         | 135.0        | GGGG                               |                     |                      | 198                   | 26                   |
| 02553E 5708N                            | 2622-08342        | 00000/0000                   | 2-20034/0372                | 10/05/76         | 100                 | 8668            | 25.4         | 154.9        | GGGG                               |                     |                      | 201                   | 20                   |
| 02552E 5708N                            | 2640-08334        | 00000/0000                   | 2-20034/1066                | 10/23/76         | 80                  | 8919            | 19.1         | 157.4        | FFGG                               |                     |                      | 201                   | 20                   |
| 02552E 4855N                            | 2583-08204        | 00000/0000                   | 2-20032/0258                | 08/27/76         | 10                  | 8124            | 44.0         | 138.0        | GGGG                               |                     |                      | 198                   | 26                   |
| 02551E 5435N                            | 2459-08335        | 00000/0000                   | 2-20024/0570                | 04/25/76         | 90                  | 6395            | 44.3         | 144.9        | GFGG                               |                     |                      | 200                   | 22                   |
| 02550E 6252N                            | 2463-08541        | 00000/0000                   | 2-20024/1016                | 04/29/76         | 30                  | 6451            | 39.7         | 154.8        | GGGG                               |                     |                      | 204                   | 16                   |
| 02550E 5703N                            | 2514-08372        | 00000/0000                   | 2-20027/0068                | 06/19/76         | 80                  | 7162            | 51.8         | 141.2        | GGGG                               |                     |                      | 201                   | 20                   |
| 02550E 4850N                            | 2565-08211        | 00000/0000                   | 2-20030/1012                | 08/09/76         | 60                  | 7873            | 48.8         | 132.9        | GGGG                               |                     |                      | 198                   | 26                   |
| 02549E 5705N                            | 2658-08330        | 00000/0000                   | 2-20036/0265                | 11/10/76         | 90                  | 9170            | 13.5         | 158.6        | GGGG                               |                     |                      | 201                   | 20                   |
| 02549E 5702N                            | 2388-08405        | 00000/0000                   | 2-20020/1559                | 02/14/76         | 40                  | 5405            | 16.1         | 152.2        | GGGG                               |                     |                      | 201                   | 20                   |
| 02549E 5426N                            | 2477-08332        | 00000/0000                   | 2-20025/0277                | 05/13/76         | 40                  | 6646            | 49.3         | 142.4        | GGGG                               |                     |                      | 200                   | 22                   |
| 02549E 4846N                            | 2547-08214        | 00000/0000                   | 2-20028/1719                | 07/22/76         | 10                  | 7622            | 52.6         | 129.0        | GGGG                               |                     |                      | 198                   | 26                   |
| 02549E 4844N                            | 2493-08231        | 00000/0000                   | 2-20026/0256                | 05/29/76         | 90                  | 6869            | 55.1         | 131.1        | GGGG                               |                     |                      | 198                   | 26                   |
| 02549E 4844N                            | 2529-08222        | 00000/0000                   | 2-20028/0688                | 07/04/76         | 0                   | 7371            | 55.1         | 127.2        | GGGG                               |                     |                      | 198                   | 26                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SARBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|------------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                  |              |              | 123 45678             |                     |                      |                       |                      |
| 02548E                      | 5144N             | 2440-08293                              | 00000/0000       | 2-20022/1430        | 04/06/76         | 10           | 6130         | 39.5                  | 143.8               | GGGG                 | 199                   | 24                   |
| 02548E                      | 5144N             | 2458-08290                              | 00000/0000       | 2-20024/0290        | 04/24/76         | 10           | 6381         | 45.8                  | 141.7               | GGGG                 | 199                   | 24                   |
| 02547E                      | 0421N             | 2394-07472                              | 00000/0000       | 2-20021/0280        | 02/20/76         | 90           | 5488         | 46.5                  | 111.3               | GGGG                 | 189                   | 57                   |
| 02546E                      | 7546N             | 2460-10161                              | 00000/0000       | 2-20024/0595        | 04/26/76         | 50           | 6410         | 27.9                  | 180.7               | GGGG                 | 219                   | 6                    |
| 02546E                      | 5146N             | 2728-08202                              | 00000/0000       | 2-20038/1520        | 01/19/77         | 0            | 146          | 12.7                  | 149.6               | FFGG                 | 199                   | 24                   |
| 02546E                      | 4847N             | 2601-08201                              | 00000/0000       | 2-20032/1124        | 03/14/76         | 10           | 8375         | 38.6                  | 143.2               | GGGG                 | 198                   | 26                   |
| 02546E                      | 4845N             | 2619-08194                              | 00000/0000       | 2-20034/0197        | 10/02/76         | 100          | 8626         | 32.7                  | 148.0               | GGFG                 | 198                   | 26                   |
| 02546E                      | 4840N             | 2511-08225                              | 00000/0000       | 2-20026/1701        | 06/16/76         | 100          | 7120         | 56.1                  | 128.0               | GGFG                 | 198                   | 26                   |
| 02545E                      | 5433N             | 2585-08303                              | 00000/0000       | 2-20032/0180        | 08/29/76         | 10           | 8152         | 39.9                  | 144.6               | FFGG                 | 200                   | 22                   |
| 02545E                      | 5430N             | 2567-08310                              | 00000/0000       | 2-20030/1133        | 08/11/76         | 70           | 7901         | 45.2                  | 140.5               | GGGG                 | 200                   | 22                   |
| 02545E                      | 5144N             | 2710-08210                              | 00000/0000       | 2-20038/0593        | 01/01/77         | 90           | 9895         | 10.8                  | 152.2               | GGGF                 | 199                   | 24                   |
| 02545E                      | 5139N             | 2476-08283                              | 00000/0000       | 2-20025/0188        | 05/12/76         | 10           | 6632         | 50.7                  | 138.7               | GGGG                 | 199                   | 24                   |
| 02545E                      | 4843N             | 2637-08190                              | 00000/0000       | 2-20034/1095        | 10/20/76         | 10           | 8877         | 26.7                  | 151.6               | GGGG                 | 198                   | 26                   |
| 02544E                      | 7632N             | 2534-10252                              | 00000/0000       | 2-20028/1120        | 07/09/76         | 90           | 7442         | 35.8                  | 181.1               | GGGG                 | 221                   | 5                    |
| 02544E                      | 5140N             | 2566-08260                              | 00000/0000       | 2-20030/1029        | 08/10/76         | 40           | 7887         | 47.1                  | 136.8               | GGGG                 | 199                   | 24                   |
| 02544E                      | 4841N             | 2655-08182                              | 00000/0000       | 2-20036/0631        | 11/07/76         | 90           | 9128         | 21.1                  | 153.7               | GGGG                 | 198                   | 26                   |
| 02543E                      | 6111N             | 2408-08503                              | 00000/0000       | 2-20021/1147        | 03/05/76         | 0            | 5684         | 20.2                  | 154.2               | GGGG                 | 203                   | 17                   |
| 02543E                      | 5143N             | 2584-08253                              | 00000/0000       | 2-20032/0455        | 08/28/76         | 10           | 8138         | 42.1                  | 141.4               | GGGG                 | 199                   | 24                   |
| 02543E                      | 5138N             | 2422-08301                              | 00000/0000       | 2-20022/0290        | 03/19/76         | 0            | 5879         | 32.6                  | 145.4               | GGGG                 | 199                   | 24                   |
| 02543E                      | 2139N             | 2487-07565                              | 00000/0000       | 2-20025/1111        | 05/23/76         | 0            | 6785         | 58.2                  | 85.5                | GGGG                 | 192                   | 45                   |
| 02542E                      | 5140N             | 2692-08214                              | 00000/0000       | 2-20037/0827        | 12/14/76         | 70           | 9644         | 11.3                  | 154.4               | GGGG                 | 199                   | 24                   |
| 02542E                      | 2142N             | 2559-07545                              | 00000/0000       | 2-20030/0761        | 08/03/76         | 0            | 7789         | 54.9                  | 90.3                | GGGG                 | 192                   | 45                   |
| 02541E                      | 7844N             | 2470-11120                              | 00000/0000       | 2-20024/1753        | 05/06/76         | 30           | 6550         | 27.5                  | 196.0               | GGGG                 | 228                   | 3                    |
| 02541E                      | 6656N             | 2448-09113                              | 00000/0000       | 2-20023/0165        | 04/14/76         | 10           | 6242         | 31.5                  | 160.7               | GGGG                 | 207                   | 13                   |
| 02541E                      | 5428N             | 2603-08300                              | 00000/0000       | 2-20032/1378        | 09/16/76         | 50           | 8403         | 34.1                  | 148.8               | FFGG                 | 200                   | 22                   |
| 02541E                      | 5422N             | 2549-08313                              | 00000/0000       | 2-20025/0153        | 07/24/76         | 10           | 7650         | 49.4                  | 137.4               | GGGG                 | 200                   | 22                   |
| 02541E                      | 5420N             | 2495-08330                              | 00000/0000       | 2-20026/0514        | 05/31/76         | 70           | 6897         | 52.4                  | 139.4               | GGGG                 | 200                   | 22                   |
| 02541E                      | 5141N             | 2602-08250                              | 00000/0000       | 2-20032/1339        | 09/15/76         | 70           | 8389         | 36.4                  | 146.1               | GGGG                 | 199                   | 24                   |
| 02541E                      | 5133N             | 2494-08280                              | 00000/0000       | 2-20026/0443        | 05/30/76         | 90           | 6883         | 53.8                  | 135.3               | GGGF                 | 199                   | 24                   |
| 02540E                      | 5421N             | 2531-08320                              | 00000/0000       | 2-20028/0924        | 07/06/76         | 70           | 7399         | 52.3                  | 136.1               | GGGG                 | 200                   | 22                   |
| 02540E                      | 5418N             | 2513-08323                              | 00000/0000       | 2-20026/1845        | 06/18/76         | 100          | 7148         | 53.4                  | 136.9               | GGGG                 | 200                   | 22                   |
| 02540E                      | 5133N             | 2548-08264                              | 00000/0000       | 2-20030/0007        | 07/23/76         | 30           | 7636         | 51.1                  | 133.2               | GGGG                 | 199                   | 24                   |
| 02539E                      | 5423N             | 2621-08292                              | 00000/0000       | 2-20034/0323        | 10/04/76         | 100          | 8654         | 27.8                  | 152.6               | GGGG                 | 200                   | 22                   |
| 02539E                      | 5135N             | 2620-08243                              | 00000/0000       | 2-20034/0260        | 10/03/76         | 80           | 8640         | 30.3                  | 150.3               | GGGG                 | 199                   | 24                   |
| 02539E                      | 5134N             | 2530-08271                              | 00000/0000       | 2-20028/0711        | 07/05/76         | 50           | 7385         | 53.8                  | 131.8               | GGGG                 | 199                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL No./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MBDF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|---------------|
| 02538E                                  | 5420N             | 2639-08285                   | 00000/0000                  | 2-20034/1000     | 10/22/76            | 10              | 8905         | 21.6         | 155.4                              | GGGG                |                      | 200                   | 22            |
| 02538E                                  | 5133N             | 2674-08223                   | 00000/0000                  | 2-20034/1361     | 11/26/76            | 90              | 9393         | 14.1         | 155.5                              | GGGG                |                      | 199                   | 24            |
| 02538E                                  | 5131N             | 2512-08274                   | 00000/0000                  | 2-20026/1745     | 06/17/76            | 90              | 7134         | 54.8         | 132.6                              | GGGG                |                      | 199                   | 24            |
| 02538E                                  | 5130N             | 2656-08231                   | 00000/0000                  | 2-20036/0070     | 11/08/76            | 90              | 9142         | 18.6         | 155.3                              | GGGG                |                      | 199                   | 24            |
| 02538E                                  | 5129N             | 2368-08313                   | 00000/0000                  | 2-20020/0377     | 01/25/76            | 80              | 5126         | 14.8         | 151.3                              | FGGG                |                      | 199                   | 24            |
| 02538E                                  | 5126N             | 2386-08311                   | 00000/0000                  | 2-20020/1381     | 02/12/76            | 0               | 5377         | 19.6         | 148.9                              | GGGG                |                      | 199                   | 24            |
| 02538E                                  | 1554N             | 2398-07552                   | 00000/0000                  | 2-20021/0431     | 02/22/76            | 0               | 5516         | 43.4         | 121.9                              | GFGG                |                      | 191                   | 49            |
| 02537E                                  | 5132N             | 2638-08235                   | 00000/0000                  | 2-20034/0939     | 10/21/76            | 20              | 8891         | 24.2         | 153.5                              | GGGG                |                      | 199                   | 24            |
| 02536E                                  | 7928N             | 2492-11340                   | 00000/0000                  | 2-20026/0362     | 05/28/76            | 20              | 6857         | 31.4         | 201.9                              | GGGG                |                      | 233                   | 2             |
| 02535E                                  | 4437N             | 2474-08191                   | 00000/0000                  | 2-20025/0116     | 05/10/76            | 20              | 6604         | 54.0         | 129.1                              | FGGG                |                      | 197                   | 29            |
| 02534E                                  | 4437N             | 2438-08201                   | 00000/0000                  | 2-20027/1318     | 04/04/76            | 0               | 6102         | 43.1         | 137.0                              | GGGG                |                      | 197                   | 29            |
| 02533E                                  | 6235N             | 2409-08555                   | 00000/0000                  | 2-20021/1315     | 03/06/76            | 10              | 5698         | 19.6         | 155.5                              | GGGG                |                      | 204                   | 16            |
| 02533E                                  | 5119N             | 2404-08304                   | 00000/0000                  | 2-20021/0955     | 03/01/76            | 80              | 5628         | 25.9         | 146.8                              | FGGG                |                      | 199                   | 24            |
| 02532E                                  | 5847N             | 2461-08440                   | 00000/0000                  | 2-20024/0828     | 04/27/76            | 40              | 6423         | 42.0         | 149.7                              | GGFG                |                      | 202                   | 19            |
| 02531E                                  | 8014N             | 2462-12085                   | 00000/0000                  | 2-20024/0858     | 04/28/76            | 10              | 6439         | 22.8         | 210.2                              | GGG                 |                      | 238                   | 1             |
| 02530E                                  | 4436N             | 2564-08164                   | 00000/0000                  | 2-20030/0974     | 08/08/76            | 40              | 7859         | 51.0         | 126.9                              | GGGG                |                      | 197                   | 29            |
| 02530E                                  | 4435N             | 2600-08154                   | 00000/0000                  | 2-20032/1322     | 09/13/76            | 10              | 8361         | 41.6         | 139.0                              | GFGG                |                      | 197                   | 29            |
| 02528E                                  | 7648N             | 2463-10325                   | 00000/0000                  | 2-20024/0989     | 04/29/76            | 50              | 6452         | 27.7         | 185.0                              | GGGG                |                      | 221                   | 5             |
| 02528E                                  | 5844N             | 2443-08443                   | 00000/0000                  | 2-20022/1676     | 04/09/76            | 10              | 6172         | 35.8         | 150.7                              | GGGG                |                      | 202                   | 19            |
| 02528E                                  | 4427N             | 2402-08212                   | 00000/0000                  | 2-20021/0823     | 02/28/76            | 10              | 5600         | 29.8         | 142.4                              | FFFG                |                      | 197                   | 29            |
| 02527E                                  | 0842N             | 2431-07504                   | 00000/0000                  | 2-20027/0771     | 03/28/76            | 80              | 6004         | 51.7         | 96.1                               | GGGG                |                      | 190                   | 54            |
| 02527E                                  | 6753S             | 2392-06135                   | 00000/0000                  | 2-20020/1679     | 02/18/76            | 100             | 5459         | 20.5         | 70.5                               | GFGG                |                      | 169                   | 108           |
| 02526E                                  | 7538N             | 2478-10154                   | 00000/0000                  | 2-20025/0373     | 05/14/76            | 100             | 6661         | 33.1         | 180.5                              | GGGG                |                      | 219                   | 6             |
| 02526E                                  | 4429N             | 2672-08131                   | 00000/0000                  | 2-20036/1670     | 11/24/76            | 60              | 9365         | 20.1         | 152.2                              | GGGG                |                      | 197                   | 29            |
| 02526E                                  | 4428N             | 2528-08175                   | 00000/0000                  | 2-20028/0651     | 07/03/76            | 10              | 7357         | 56.8         | 120.1                              | GGGG                |                      | 197                   | 29            |
| 02525E                                  | 7743N             | 2484-10491                   | 00000/0000                  | 2-20025/0956     | 05/20/76            | 10              | 6745         | 32.2         | 189.7                              | GGGG                |                      | 225                   | 4             |
| 02525E                                  | 5841N             | 2569-08411                   | 00000/0000                  | 2-20030/1161     | 08/13/76            | 60              | 7929         | 42.0         | 146.1                              | GGFG                |                      | 202                   | 19            |
| 02525E                                  | 5837N             | 2479-08433                   | 00000/0000                  | 2-20025/0468     | 05/15/76            | 10              | 6674         | 47.0         | 147.8                              | GGGG                |                      | 202                   | 19            |
| 02525E                                  | 3128N             | 2381-08083                   | 00000/0000                  | 2-20020/0935     | 02/07/76            | 10              | 5307         | 31.7         | 138.4                              | GFGG                |                      | 194                   | 38            |
| 02523E                                  | 0839N             | 2413-07512                   | 00000/0000                  | 2-20021/1497     | 03/10/76            | 50              | 5753         | 48.8         | 106.3                              | GGGG                |                      | 190                   | 54            |
| 02521E                                  | 6355N             | 2410-09011                   | 00000/0000                  | 2-20021/1116     | 03/07/76            | 0               | 5712         | 18.9         | 156.8                              | GGGG                |                      | 205                   | 15            |
| 02521E                                  | 5832N             | 2551-08414                   | 00000/0000                  | 2-20030/0169     | 07/26/76            | 60              | 7678         | 46.6         | 143.5                              | GGGG                |                      | 202                   | 19            |
| 02521E                                  | 5831N             | 2497-08431                   | 00000/0000                  | 2-20026/0629     | 06/02/76            | 90              | 6925         | 50.1         | 145.4                              | GGGG                |                      | 202                   | 19            |
| 02521E                                  | 2013N             | 2487-07571                   | 00000/0000                  | 2-20025/1112     | 05/23/76            | 0               | 6785         | 57.8         | 83.1                               | FGGG                |                      | 192                   | 46            |
| 02520E                                  | 2016N             | 2559-07552                   | 00000/0000                  | 2-20030/0737     | 08/03/76            | 20              | 7789         | 54.7         | 88.2                               | GGGG                |                      | 192                   | 46            |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02519E 5829N                            | 2515-08424        | 00000/0000                   | 2-20026/1735                | 06/20/76         | 90                  | 7176            | 50.9         | 143.3        | GGGG                               |                     |                      | 202                   | 19                   |
| 02519E 5828N                            | 2533-08421        | 00000/0000                   | 2-20028/1552                | 07/08/76         | 100                 | 7427            | 49.7         | 142.5        | GGGG                               |                     |                      | 202                   | 19                   |
| 02519E 5824N                            | 2389-08461        | 00000/0000                   | 2-20020/1480                | 02/15/76         | 90                  | 5419            | 15.4         | 153.0        | GGFG                               |                     |                      | 202                   | 19                   |
| 02518E 6357N                            | 2518-08581        | 00000/0000                   | 2-20028/0102                | 06/23/76         | 40                  | 7218            | 47.3         | 151.7        | GGGG                               |                     |                      | 205                   | 15                   |
| 02518E 4729N                            | 2439-08250        | 00000/0000                   | 2-20022/1259                | 04/05/76         | 0                   | 6116            | 41.8         | 139.7        | GGGG                               |                     |                      | 198                   | 27                   |
| 02517E 6636N                            | 2412-09114        | 00000/0000                   | 2-20021/1379                | 03/09/76         | 0                   | 5740            | 17.6         | 159.8        | G GG                               |                     |                      | 207                   | 13                   |
| 02517E 5827N                            | 2407-08454        | 00000/0000                   | 2-20021/1041                | 03/04/76         | 0                   | 5670            | 21.9         | 151.9        | GGGG                               |                     |                      | 202                   | 19                   |
| 02517E 1425N                            | 2396-07555        | 00000/0000                   | 2-20021/0432                | 02/22/76         | 0                   | 5516            | 43.9         | 120.6        | GGGG                               |                     |                      | 191                   | 50                   |
| 02516E 8008N                            | 2497-12021        | 00000/0000                   | 2-20026/0145                | 06/02/76         | 100                 | 6927            | 31.0         | 208.9        | GGGG                               |                     |                      | 238                   | 1                    |
| 02516E 6520N                            | 2537-09030        | 00000/0000                   | 2-20028/1811                | 07/12/76         | 10                  | 7483            | 44.6         | 153.2        | PPFP                               |                     |                      | 206                   | 14                   |
| 02515E 4731N                            | 2583-08211        | 00000/0000                   | 2-20032/0259                | 08/27/76         | 20                  | 8124            | 44.8         | 136.5        | GGGG                               |                     |                      | 198                   | 27                   |
| 02513E 6639N                            | 2538-09081        | 00000/0000                   | 2-20028/1366                | 07/13/76         | 60                  | 7497            | 43.5         | 155.5        | GGGG                               |                     |                      | 207                   | 13                   |
| 02513E 5557N                            | 2460-08391        | 00000/0000                   | 2-20024/0585                | 04/26/76         | 20                  | 6409            | 43.7         | 146.4        | GGG                                |                     |                      | 201                   | 21                   |
| 02513E 7136S                            | 2370-05524        | 00000/0000                   | 2-20020/0467                | 01/27/76         | 70                  | 5152            | 24.1         | 76.5         | GGGG                               |                     |                      | 165                   | 111                  |
| 02512E 4721N                            | 2547-08221        | 00000/0000                   | 2-20028/1720                | 07/22/76         | 20                  | 7622            | 53.2         | 126.8        | GGGG                               |                     |                      | 198                   | 27                   |
| 02511E 6636N                            | 2520-09084        | 00000/0000                   | 2-20028/0042                | 06/25/76         | 60                  | 7246            | 45.3         | 156.1        | GGGG                               |                     |                      | 207                   | 13                   |
| 02511E 5555N                            | 2442-08394        | 00000/0000                   | 2-20027/1522                | 04/08/76         | 80                  | 6158            | 37.4         | 147.8        | GGGG                               |                     |                      | 201                   | 21                   |
| 02510E 5557N                            | 2730-08303        | 00000/0000                   | 2-20038/1651                | 01/21/77         | 10                  | 174             | 10.0         | 151.5        | FGGG                               |                     |                      | 201                   | 21                   |
| 02510E 5556N                            | 2568-08361        | 00000/0000                   | 2-20030/1195                | 08/12/76         | 90                  | 7915            | 44.1         | 142.5        | FGGG                               |                     |                      | 201                   | 21                   |
| 02510E 4722N                            | 2601-08204        | 00000/0000                   | 2-20037/1125                | 09/14/76         | 10                  | 8375            | 39.6         | 141.9        | GGGG                               |                     |                      | 198                   | 27                   |
| 02510E 4716N                            | 2511-08231        | 00000/0000                   | 2-20026/1702                | 06/16/76         | 90                  | 7120            | 56.7         | 125.7        | FGGG                               |                     |                      | 198                   | 27                   |
| 02509E 5553N                            | 2478-08384        | 00000/0000                   | 2-20025/0357                | 05/14/76         | 10                  | 6660            | 48.6         | 144.2        | GGGG                               |                     |                      | 201                   | 21                   |
| 02508E 5556N                            | 2586-08354        | 00000/0000                   | 2-20037/0220                | 08/30/76         | 10                  | 8166            | 38.7         | 146.3        | GGGG                               |                     |                      | 201                   | 21                   |
| 02507E 6516N                            | 2519-09033        | 00000/0000                   | 2-20028/0117                | 06/24/76         | 40                  | 7232            | 46.3         | 153.9        | GGGG                               |                     |                      | 206                   | 14                   |
| 02507E 5020N                            | 2440-08300        | 00000/0000                   | 2-20027/1431                | 04/06/76         | 10                  | 6130            | 40.4         | 142.4        | GGGG                               |                     |                      | 199                   | 25                   |
| 02507E 5020N                            | 2458-08292        | 00000/0000                   | 2-20024/0291                | 04/24/76         | 10                  | 6381            | 46.6         | 140.0        | GGGG                               |                     |                      | 199                   | 25                   |
| 02506E 7925N                            | 2528-11330        | 00000/0000                   | 2-20028/0549                | 07/03/76         | 20                  | 7359            | 39.0         | 199.1        | GGGG                               |                     |                      | 233                   | 2                    |
| 02506E 7644N                            | 2481-10322        | 00000/0000                   | 2-20025/0723                | 05/17/76         | 20                  | 6703            | 32.6         | 184.9        | GGGG                               |                     |                      | 222                   | 5                    |
| 02506E 6008N                            | 2462-08497        | 00000/0000                   | 2-20024/0805                | 04/28/76         | 20                  | 6437            | 41.4         | 151.3        | GGGG                               |                     |                      | 203                   | 18                   |
| 02506E 5310N                            | 2459-08342        | 00000/0000                   | 2-20024/0571                | 04/25/76         | 60                  | 6395            | 45.2         | 143.2        | GGGG                               |                     |                      | 200                   | 23                   |
| 02506E 0715N                            | 2431-07511        | 00000/0000                   | 2-20022/0772                | 03/28/76         | 70                  | 6004            | 51.6         | 94.2         | FGGG                               |                     |                      | 190                   | 55                   |
| 02505E 5547N                            | 2424-08402        | 00000/0000                   | 2-20021/1762                | 03/21/76         | 80                  | 5907            | 30.5         | 148.8        | GGGG                               |                     |                      | 201                   | 21                   |
| 02505E 5547N                            | 2496-08381        | 00000/0000                   | 2-20026/0655                | 06/01/76         | 90                  | 6911            | 51.7         | 141.4        | GGGG                               |                     |                      | 201                   | 21                   |
| 02505E 5021N                            | 2728-08204        | 00000/0000                   | 2-20038/1521                | 01/19/77         | 10                  | 146             | 13.8         | 148.9        | GGGG                               |                     |                      | 199                   | 25                   |
| 02505E 5014N                            | 2476-08290        | 00000/0000                   | 2-20025/0189                | 05/12/76         | 10                  | 6632            | 51.5         | 136.8        | GGGG                               |                     |                      | 199                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 1159

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02505E 7142S                            | 2388-05522        | 00000/0000                   | 2-20020/1365                | 02/14/76         | 10                 | 5403            | 18.7         | 75.3         | GFGF                               |                     |                      | 165                   | 111                  |
| 02504E 7840N                            | 2488-11113        | 00000/0000                   | 2-20026/0012                | 05/24/76         | 90                 | 6801            | 31.8         | 195.5        | GGGG                               |                     |                      | 229                   | 3                    |
| 02504E 5553N                            | 2604-08351        | 00000/0000                   | 2-20032/1437                | 09/17/76         | 20                 | 8417            | 32.7         | 150.4        | GGGG                               |                     |                      | 201                   | 21                   |
| 02504E 5302N                            | 2477-08336        | 00000/0000                   | 2-20025/0278                | 05/13/76         | 30                 | 6646            | 50.1         | 140.5        | GGGG                               |                     |                      | 200                   | 23                   |
| 02504E 5019N                            | 2710-08212        | 00000/0000                   | 2-20038/0594                | 01/01/77         | 70                 | 9895            | 11.9         | 151.6        | GGGG                               |                     |                      | 199                   | 25                   |
| 02504E 5016N                            | 2566-08263        | 00000/0000                   | 2-20030/1030                | 08/10/76         | 10                 | 7887            | 47.8         | 135.0        | GGGG                               |                     |                      | 199                   | 25                   |
| 02504E 4315N                            | 2456-08200        | 00000/0000                   | 2-20024/0457                | 04/22/76         | 10                 | 6353            | 49.9         | 131.7        | GGGG                               |                     |                      | 197                   | 30                   |
| 02503E 5544N                            | 2622-08344        | 00000/0000                   | 2-20034/0373                | 10/05/76         | 100                | 8668            | 26.4         | 153.9        | GGGG                               |                     |                      | 201                   | 21                   |
| 02503E 5538N                            | 2370-08414        | 00000/0000                   | 2-20020/0364                | 01/27/76         | 70                 | 5154            | 12.1         | 153.3        | GFGG                               |                     |                      | 201                   | 21                   |
| 02503E 5013N                            | 2422-08303        | 00000/0000                   | 2-20022/0291                | 03/19/76         | 60                 | 5879            | 33.5         | 144.2        | GGGG                               |                     |                      | 199                   | 25                   |
| 02503E 0713N                            | 2413-07514        | 00000/0000                   | 2-20021/1498                | 03/10/76         | 70                 | 5753            | 49.0         | 104.6        | GGGG                               |                     |                      | 190                   | 55                   |
| 02502E 6008N                            | 2444-08495        | 00000/0000                   | 2-20022/1869                | 04/10/76         | 90                 | 6186            | 35.2         | 152.2        | GGGG                               |                     |                      | 203                   | 18                   |
| 02502E 6006N                            | 2570-08462        | 00000/0000                   | 2-20030/1267                | 08/14/76         | 30                 | 7943            | 40.8         | 148.1        | GGGG                               |                     |                      | 203                   | 18                   |
| 02502E 5544N                            | 2532-08372        | 00000/0000                   | 2-20028/0867                | 07/07/76         | 100                | 7413            | 51.4         | 138.3        | GGG                                |                     |                      | 201                   | 21                   |
| 02502E 5018N                            | 2584-08260        | 00000/0000                   | 2-20032/0456                | 08/28/76         | 10                 | 8138            | 42.9         | 139.8        | GGGG                               |                     |                      | 199                   | 25                   |
| 02502E 5015N                            | 2692-08221        | 00000/0000                   | 2-20037/0828                | 12/14/76         | 70                 | 9644            | 12.4         | 153.8        | GGGG                               |                     |                      | 199                   | 25                   |
| 02502E 4312N                            | 2474-08193        | 00000/0000                   | 2-20025/0117                | 05/10/76         | 40                 | 6604            | 54.6         | 127.0        | GGGG                               |                     |                      | 197                   | 30                   |
| 02501E 7533N                            | 2496-10152        | 00000/0000                   | 2-20026/0526                | 06/01/76         | 40                 | 6912            | 36.6         | 179.5        | GFGG                               |                     |                      | 219                   | 6                    |
| 02501E 5546N                            | 2676-08324        | 00000/0000                   | 2-20036/1590                | 11/28/76         | 90                 | 9421            | 10.3         | 157.6        | FGGF                               |                     |                      | 201                   | 21                   |
| 02501E 5544N                            | 2640-08340        | 00000/0000                   | 2-20034/1067                | 10/23/76         | 80                 | 8919            | 20.2         | 156.5        | FGGG                               |                     |                      | 201                   | 21                   |
| 02501E 5009N                            | 2494-08283        | 00000/0000                   | 2-20026/0444                | 05/30/76         | 70                 | 6883            | 54.6         | 133.1        | GGGF                               |                     |                      | 199                   | 25                   |
| 02501E 4312N                            | 2438-08204        | 00000/0000                   | 2-20022/1319                | 04/04/76         | 0                  | 6102            | 43.9         | 135.5        | GGGG                               |                     |                      | 197                   | 30                   |
| 02501E 2433N                            | 2560-07595        | 00000/0000                   | 2-20030/0701                | 08/04/76         | 50                 | 7803            | 55.2         | 95.1         | GGGG                               |                     |                      | 193                   | 43                   |
| 02501E 2430N                            | 2488-08014        | 00000/0000                   | 2-20025/1166                | 05/24/76         | 0                  | 6799            | 58.8         | 90.0         | GGGG                               |                     |                      | 193                   | 43                   |
| 02500E 5309N                            | 2585-08305        | 00000/0000                   | 2-20032/0181                | 08/29/76         | 10                 | 8152            | 40.9         | 143.1        | GGGG                               |                     |                      | 200                   | 23                   |
| 02500E 5306N                            | 2567-08312        | 00000/0000                   | 2-20030/1134                | 08/11/76         | 70                 | 7901            | 46.0         | 138.8        | GGGG                               |                     |                      | 200                   | 23                   |
| 02500E 5016N                            | 2602-08253        | 00000/0000                   | 2-20032/1340                | 09/15/76         | 30                 | 8389            | 37.3         | 144.8        | GGGG                               |                     |                      | 199                   | 25                   |
| 02500E 5008N                            | 2548-08270        | 00000/0000                   | 2-20030/0008                | 07/23/76         | 10                 | 7636            | 51.8         | 131.2        | GGGG                               |                     |                      | 199                   | 25                   |
| 02459E 7738N                            | 2502-10484        | 00000/0000                   | 2-20026/0930                | 06/07/76         | 10                 | 6996            | 35.1         | 188.5        | GGGG                               |                     |                      | 225                   | 4                    |
| 02459E 6000N                            | 2480-08485        | 00000/0000                   | 2-20025/0504                | 05/16/76         | 10                 | 6688            | 46.3         | 149.6        | GGGG                               |                     |                      | 203                   | 18                   |
| 02459E 5542N                            | 2658-08332        | 00000/0000                   | 2-20036/0266                | 11/10/76         | 90                 | 9170            | 14.6         | 157.7        | GGGG                               |                     |                      | 201                   | 21                   |
| 02459E 5540N                            | 2514-08375        | 00000/0000                   | 2-20027/0069                | 06/19/76         | 90                 | 7162            | 52.6         | 139.0        | GGGG                               |                     |                      | 201                   | 21                   |
| 02459E 5539N                            | 2388-08412        | 00000/0000                   | 2-20020/1560                | 02/14/76         | 50                 | 5405            | 17.1         | 151.3        | GGGG                               |                     |                      | 201                   | 21                   |
| 02459E 5010N                            | 2620-08250        | 00000/0000                   | 2-20034/0261                | 10/03/76         | 90                 | 8640            | 31.3         | 149.3        | GGGG                               |                     |                      | 199                   | 25                   |
| 02459E 5009N                            | 2530-08273        | 00000/0000                   | 2-20028/0712                | 07/05/76         | 80                 | 7385            | 54.4         | 129.6        | GGGG                               |                     |                      | 199                   | 25                   |

KEYS: CLUD COVER % ..... 0 TO 100 = % CLUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NOAA-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02458E 8008N                            | 2551-12004        | 00000/0000                   | 2-20030/0176                | 07/26/76         | 90                  | 7680            | 28.3         | 205.8        | GGGG                               |                     |                      | 238                   | 1                    |
| 02458E 5009N                            | 2674-08230        | 00000/0000                   | 2-20036/1362                | 11/26/76         | 80                  | 9393            | 15.2         | 154.9        | GGGG                               |                     |                      | 199                   | 25                   |
| 02458E 5006N                            | 2512-08280        | 00000/0000                   | 2-20026/1746                | 06/17/76         | 90                  | 7134            | 55.5         | 130.3        | GGGG                               |                     |                      | 199                   | 25                   |
| 02458E 5005N                            | 2656-08234        | 00000/0000                   | 2-20036/0071                | 11/08/76         | 90                  | 9142            | 19.7         | 154.5        | GGGG                               |                     |                      | 199                   | 25                   |
| 02458E 4311N                            | 2564-08171        | 00000/0000                   | 2-20030/0975                | 08/08/76         | 20                  | 7859            | 51.6         | 125.0        | GGGG                               |                     |                      | 197                   | 30                   |
| 02457E 5258N                            | 2549-08315        | 00000/0000                   | 2-20029/0154                | 07/24/76         | 10                  | 7650            | 50.2         | 135.4        | GGGG                               |                     |                      | 200                   | 23                   |
| 02457E 5008N                            | 2638-08242        | 00000/0000                   | 2-20034/0940                | 10/21/76         | 70                  | 8891            | 25.3         | 152.6        | GGGG                               |                     |                      | 199                   | 25                   |
| 02457E 5002N                            | 2386-08313        | 00000/0000                   | 2-20020/1382                | 02/12/76         | 10                  | 5377            | 20.6         | 148.1        | GGGG                               |                     |                      | 199                   | 25                   |
| 02457E 4310N                            | 2600-08161        | 00000/0000                   | 2-20032/1323                | 09/13/76         | 10                  | 8361            | 42.5         | 137.6        | GGGG                               |                     |                      | 197                   | 30                   |
| 02456E 6001N                            | 2426-08502        | 00000/0000                   | 2-20022/0311                | 03/23/76         | 60                  | 5935            | 28.3         | 152.6        | GGGG                               |                     |                      | 203                   | 18                   |
| 02456E 5304N                            | 2603-08302        | 00000/0000                   | 2-20032/1379                | 09/16/76         | 60                  | 8403            | 35.1         | 147.6        | GGGG                               |                     |                      | 200                   | 23                   |
| 02456E 5256N                            | 2495-08332        | 00000/0000                   | 2-20026/0515                | 05/31/76         | 30                  | 6897            | 53.2         | 137.3        | GGGG                               |                     |                      | 200                   | 23                   |
| 02456E 4302N                            | 2402-08214        | 00000/0000                   | 2-20021/0824                | 02/28/76         | 20                  | 5600            | 30.7         | 141.5        | GGGG                               |                     |                      | 197                   | 30                   |
| 02456E 1301N                            | 2396-07561        | 00000/0000                   | 2-20021/0392                | 02/22/76         | 0                   | 5516            | 44.4         | 119.2        | GGGG                               |                     |                      | 191                   | 51                   |
| 02455E 6002N                            | 2606-08452        | 00000/0000                   | 2-20032/1528                | 09/19/76         | 10                  | 8445            | 28.9         | 154.6        | GGGG                               |                     |                      | 203                   | 18                   |
| 02455E 5357N                            | 2552-08470        | 00000/0000                   | 2-20030/0265                | 07/27/76         | 70                  | 7692            | 45.5         | 145.6        | GGGG                               |                     |                      | 203                   | 18                   |
| 02455E 5259N                            | 2621-08295        | 00000/0000                   | 2-20034/0324                | 10/04/76         | 90                  | 8654            | 28.9         | 151.6        | GGGG                               |                     |                      | 200                   | 23                   |
| 02455E 5257N                            | 2531-08323        | 00000/0000                   | 2-20028/0925                | 07/06/76         | 90                  | 7399            | 53.0         | 134.0        | GGGG                               |                     |                      | 200                   | 23                   |
| 02455E 5254N                            | 2513-08330        | 00000/0000                   | 2-20026/1846                | 06/18/76         | 70                  | 7148            | 54.1         | 134.7        | GGGG                               |                     |                      | 200                   | 23                   |
| 02454E 4303N                            | 2528-08181        | 00000/0000                   | 2-20028/0652                | 07/03/76         | 20                  | 7357            | 57.2         | 117.6        | GGGG                               |                     |                      | 197                   | 30                   |
| 02454E 4303N                            | 2672-08134        | 00000/0000                   | 2-20036/1671                | 11/24/76         | 70                  | 9363            | 21.2         | 151.6        | GGGG                               |                     |                      | 197                   | 30                   |
| 02453E 5256N                            | 2639-08291        | 00000/0000                   | 2-20034/1001                | 10/22/76         | 60                  | 8905            | 22.7         | 154.5        | GGGG                               |                     |                      | 200                   | 23                   |
| 02453E 4954N                            | 2404-08311        | 00000/0000                   | 2-20021/0956                | 03/01/76         | 20                  | 5628            | 26.8         | 145.9        | GGGG                               |                     |                      | 199                   | 25                   |
| 02452E 5954N                            | 2498-08483        | 00000/0000                   | 2-20026/0696                | 06/03/76         | 90                  | 6939            | 49.3         | 147.3        | GGGG                               |                     |                      | 203                   | 18                   |
| 02452E 2418N                            | 2380-08045        | 00000/0000                   | 2-20020/1138                | 02/06/76         | 0                   | 5293            | 35.8         | 134.0        | GGGG                               |                     |                      | 193                   | 43                   |
| 02450E 5951N                            | 2516-08480        | 00000/0000                   | 2-20027/0224                | 06/21/76         | 90                  | 7190            | 50.1         | 145.3        | GGGG                               |                     |                      | 203                   | 18                   |
| 02449E 5953N                            | 2642-08441        | 00000/0000                   | 2-20035/0157                | 10/25/76         | 60                  | 8947            | 16.1         | 159.6        | GGGG                               |                     |                      | 203                   | 18                   |
| 02447E 7640N                            | 2553-10303        | 00000/0000                   | 2-20030/0305                | 07/28/76         | 90                  | 7707            | 32.3         | 181.1        | GGGG                               |                     |                      | 222                   | 5                    |
| 02447E 5950N                            | 2534-08473        | 00000/0000                   | 2-20028/1053                | 07/09/76         | 70                  | 7441            | 48.7         | 144.6        | GGGG                               |                     |                      | 203                   | 18                   |
| 02447E 5950N                            | 2660-08433        | 00000/0000                   | 2-20036/0424                | 11/12/76         | 90                  | 9198            | 10.6         | 160.4        | GGGG                               |                     |                      | 203                   | 18                   |
| 02447E 1839S                            | 2481-07341        | 00000/0000                   | 2-20025/0896                | 05/17/76         | 10                  | 6701            | 34.8         | 48.5         | GGGG                               |                     |                      | 186                   | 73                   |
| 02444E 7639N                            | 2499-10320        | 00000/0000                   | 2-20026/0789                | 06/04/76         | 70                  | 6954            | 35.8         | 183.8        | GGGG                               |                     |                      | 222                   | 5                    |
| 02443E 4603N                            | 2439-08253        | 00000/0000                   | 2-20022/1260                | 04/05/76         | 0                   | 6116            | 42.7         | 138.3        | GGGG                               |                     |                      | 198                   | 28                   |
| 02441E 6130N                            | 2463-08544        | 00000/0000                   | 2-20024/1017                | 04/29/76         | 30                  | 6451            | 40.7         | 153.0        | GGGG                               |                     |                      | 204                   | 17                   |
| 02440E 4606N                            | 2583-08213        | 00000/0000                   | 2-20032/0260                | 08/27/76         | 30                  | 8124            | 45.6         | 134.9        | GGGG                               |                     |                      | 198                   | 28                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|--------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02440E 1836S                            | 2643-07293        | 00000/0000                   | 2-20035/0136                         | 10/26/76         | 10                  | 8960            | 52.2         | 86.5         | GGGG                               |                     |                      | 186                   | 73                   |
| 02440E 1839S                            | 2625-07301        | 00000/0000                   | 2-20034/0569                         | 10/08/76         | 20                  | 8709            | 49.4         | 77.0         | GGGP                               |                     |                      | 186                   | 73                   |
| 02439E 2307N                            | 2560-08001        | 00000/0000                   | 2-20030/0702                         | 08/04/76         | 50                  | 7803            | 55.1         | 92.9         | GGGG                               |                     |                      | 193                   | 44                   |
| 02439E 2304N                            | 2488-08021        | 00000/0000                   | 2-20025/1167                         | 05/24/76         | 0                   | 6799            | 58.5         | 87.5         | GGGG                               |                     |                      | 193                   | 44                   |
| 02438E 5723N                            | 2461-08443        | 00000/0000                   | 2-20024/0829                         | 04/27/76         | 30                  | 6423            | 43.0         | 148.0        | GGFG                               |                     |                      | 202                   | 20                   |
| 02437E 4556N                            | 2547-08223        | 00000/0000                   | 2-20028/1721                         | 07/22/76         | 40                  | 7622            | 53.7         | 124.7        | GGGG                               |                     |                      | 198                   | 28                   |
| 02436E 2837N                            | 2381-08092        | 00000/0000                   | 2-20020/0936                         | 02/07/76         | 0                   | 5307            | 33.5         | 136.6        | FGFF                               |                     |                      | 194                   | 40                   |
| 02436E 1135N                            | 2396-07564        | 00000/0000                   | 2-20021/0393                         | 02/22/76         | 0                   | 5516            | 44.9         | 117.8        | GGGG                               |                     |                      | 191                   | 52                   |
| 02435E 4557N                            | 2601-08210        | 00000/0000                   | 2-20032/1126                         | 09/14/76         | 10                  | 8375            | 40.5         | 140.6        | GGGG                               |                     |                      | 198                   | 28                   |
| 02435E 4550N                            | 2511-08234        | 00000/0000                   | 2-20026/1703                         | 06/16/76         | 50                  | 7120            | 57.2         | 123.2        | GGGG                               |                     |                      | 198                   | 28                   |
| 02434E 7751N                            | 2467-10552        | 00000/0000                   | 2-20024/1296                         | 05/03/76         | 60                  | 6508            | 27.8         | 190.3        | FGFG                               |                     |                      | 225                   | 4                    |
| 02434E 5721N                            | 2443-08450        | 00000/0000                   | 2-20027/1677                         | 04/03/76         | 10                  | 6172            | 36.8         | 149.2        | GGGG                               |                     |                      | 202                   | 20                   |
| 02432E 2302N                            | 2398-08044        | 00000/0000                   | 2-20021/0666                         | 02/24/76         | 0                   | 5544            | 40.8         | 127.5        | FGGG                               |                     |                      | 193                   | 44                   |
| 02431E 5717N                            | 2569-08413        | 00000/0000                   | 2-20030/1162                         | 08/13/76         | 70                  | 7929            | 42.9         | 144.4        | FGFG                               |                     |                      | 202                   | 20                   |
| 02431E 5714N                            | 2479-08440        | 00000/0000                   | 2-20025/0469                         | 05/15/76         | 10                  | 6674            | 47.9         | 145.9        | GGGG                               |                     |                      | 202                   | 20                   |
| 02429E 4855N                            | 2440-08302        | 00000/0000                   | 2-20027/1432                         | 04/06/76         | 10                  | 6130            | 41.3         | 141.0        | GGGG                               |                     |                      | 199                   | 26                   |
| 02429E 4855N                            | 2458-08295        | 00000/0000                   | 2-20024/0292                         | 04/24/76         | 10                  | 6381            | 47.5         | 138.3        | GGGG                               |                     |                      | 199                   | 26                   |
| 02428E 5712N                            | 2425-08453        | 00000/0000                   | 2-20022/0195                         | 03/22/76         | 0                   | 5921            | 29.9         | 150.0        | GGGG                               |                     |                      | 202                   | 20                   |
| 02427E 5709N                            | 2551-08420        | 00000/0000                   | 2-20030/0170                         | 07/26/76         | 60                  | 7678            | 47.4         | 141.5        | GGGG                               |                     |                      | 202                   | 20                   |
| 02427E 5708N                            | 2497-08433        | 00000/0000                   | 2-20026/0630                         | 06/02/76         | 90                  | 6925            | 50.9         | 143.3        | GGGG                               |                     |                      | 202                   | 20                   |
| 02427E 4849N                            | 2476-08292        | 00000/0000                   | 2-20025/0190                         | 05/12/76         | 10                  | 6632            | 52.3         | 134.8        | GGGG                               |                     |                      | 199                   | 26                   |
| 02426E 5706N                            | 2515-08431        | 00000/0000                   | 2-20026/1736                         | 06/20/76         | 90                  | 7176            | 51.8         | 141.1        | GGFG                               |                     |                      | 202                   | 20                   |
| 02426E 4855N                            | 2710-08215        | 00000/0000                   | 2-20038/0595                         | 01/01/77         | 60                  | 9895            | 12.9         | 151.0        | GGGG                               |                     |                      | 199                   | 26                   |
| 02426E 4851N                            | 2566-08265        | 00000/0000                   | 2-20030/1031                         | 08/10/76         | 40                  | 7887            | 48.6         | 133.1        | GGGG                               |                     |                      | 199                   | 26                   |
| 02426E 0124S                            | 2394-07490        | 00000/0000                   | 2-20021/0281                         | 02/20/76         | 70                  | 5488            | 47.5         | 105.1        | GGGG                               |                     |                      | 189                   | 61                   |
| 02425E 6113N                            | 2409-08562        | 00000/0000                   | 2-20021/1316                         | 03/06/76         | 30                  | 5698            | 20.6         | 154.2        | GGGG                               |                     |                      | 204                   | 17                   |
| 02425E 5706N                            | 2533-08424        | 00000/0000                   | 2-20028/1553                         | 07/08/76         | 100                 | 7427            | 50.5         | 140.4        | GGGG                               |                     |                      | 202                   | 20                   |
| 02425E 0432N                            | 2460-08393        | 00000/0000                   | 2-20024/0586                         | 04/26/76         | 20                  | 6409            | 44.6         | 144.7        | FGGG                               |                     |                      | 201                   | 22                   |
| 02425E 4848N                            | 2422-08310        | 00000/0000                   | 2-20021/1733                         | 03/19/76         | 80                  | 5879            | 34.5         | 143.1        | GGGG                               |                     |                      | 199                   | 26                   |
| 02425E 2005S                            | 2481-07344        | 00000/0000                   | 2-20025/0897                         | 05/17/76         | 0                   | 6701            | 33.7         | 48.0         | GGGG                               |                     |                      | 186                   | 74                   |
| 02424E 5704N                            | 2407-08461        | 00000/0000                   | 2-20021/1042                         | 03/04/76         | 0                   | 5670            | 22.9         | 150.8        | FFGF                               |                     |                      | 202                   | 20                   |
| 02424E 5701N                            | 2389-08464        | 00000/0000                   | 2-20020/1481                         | 02/15/76         | 100                 | 5419            | 16.5         | 152.1        | GGFG                               |                     |                      | 202                   | 20                   |
| 02424E 4854N                            | 2584-08262        | 00000/0000                   | 2-20032/0457                         | 08/28/76         | 20                  | 8138            | 43.8         | 138.3        | FGGG                               |                     |                      | 199                   | 26                   |
| 02423E 5432N                            | 2442-08401        | 00000/0000                   | 2-20022/1523                         | 04/08/76         | 60                  | 6158            | 38.4         | 146.4        | GGGG                               |                     |                      | 201                   | 22                   |
| 02423E 5146N                            | 2459-08344        | 00000/0000                   | 2-20024/0572                         | 04/25/76         | 60                  | 6395            | 46.1         | 141.6        | FGGG                               |                     |                      | 200                   | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1162

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM       |              | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL | MSS | MSS   | ORBIT        | FRAME         |
|-----------------------------|-------|-------------------|-----------------|--------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|------------|-----|-------|--------------|---------------|
| LONG                        | LAT   |                   | POSITION<br>RBV | MSS          |                      |                  |                     |                 |              |              | RBV        | 123 | 45678 | DATA<br>MODE | IMAGE<br>GAIN |
| 02423E                      | 4851N | 2692-08229        | 00000/0000      | 2-20037/0829 | 12/14/76             | 40               | 9644                | 13.5            | 133.1        | GGGG         |            |     |       | 199          | 26            |
| 02422E                      | 5431N | 2568-08364        | 00000/0000      | 2-20030/1197 | 08/12/76             | 90               | 7915                | 44.9            | 140.8        | FGG          |            |     |       | 201          | 22            |
| 02422E                      | 4852N | 2602-08255        | 00000/0000      | 2-20032/1341 | 09/15/76             | 10               | 8389                | 38.3            | 143.6        | GGGG         |            |     |       | 199          | 26            |
| 02422E                      | 4844N | 2548-08273        | 00000/0000      | 2-20030/0009 | 07/23/76             | 20               | 7636                | 52.4            | 129.1        | GGGG         |            |     |       | 199          | 26            |
| 02421E                      | 5428N | 2478-08391        | 00000/0000      | 2-20025/0358 | 05/14/76             | 70               | 6660                | 49.5            | 142.3        | GGGG         |            |     |       | 201          | 22            |
| 02421E                      | 5138N | 2477-08341        | 00000/0000      | 2-20025/0279 | 05/13/76             | 20               | 6645                | 51.0            | 138.5        | GGGG         |            |     |       | 200          | 24            |
| 02421E                      | 4845N | 2620-08252        | 00000/0000      | 2-20034/0262 | 10/03/76             | 90               | 8640                | 32.4            | 148.2        | GGGG         |            |     |       | 199          | 26            |
| 02421E                      | 4844N | 2530-08280        | 00000/0000      | 2-20028/0713 | 07/05/76             | 40               | 7385                | 55.0            | 127.3        | GGGG         |            |     |       | 199          | 26            |
| 02421E                      | 1010N | 2432-07560        | 00000/0000      | 2-20022/0866 | 03/29/76             | 20               | 6018                | 51.9            | 97.4         | FFGG         |            |     |       | 191          | 53            |
| 02420E                      | 5432N | 2586-08361        | 00000/0000      | 2-20032/0676 | 08/30/76             | 20               | 8166                | 39.7            | 144.9        | GGGG         |            |     |       | 201          | 22            |
| 02420E                      | 4842N | 2512-08283        | 00000/0000      | 2-20026/1747 | 06/17/76             | 80               | 7134                | 56.1            | 128.0        | GGGG         |            |     |       | 199          | 26            |
| 02419E                      | 7545N | 2461-10215        | 00000/0000      | 2-20024/0670 | 04/27/76             | 50               | 6424                | 28.2            | 180.7        | GGGG         |            |     |       | 220          | 6             |
| 02419E                      | 4841N | 2656-08240        | 00000/0000      | 2-20036/0072 | 11/08/76             | 90               | 9142                | 20.8            | 153.8        | GGGG         |            |     |       | 199          | 26            |
| 02419E                      | 4840N | 2368-08322        | 00000/0000      | 2-20020/0378 | 01/25/76             | 80               | 5126                | 16.9            | 149.9        | FGGG         |            |     |       | 199          | 26            |
| 02419E                      | 4838N | 2386-08320        | 00000/0000      | 2-20020/1383 | 02/12/76             | 10               | 5377                | 21.6            | 147.3        | GGGG         |            |     |       | 199          | 26            |
| 02419E                      | 2002S | 2643-07300        | 00000/0000      | 2-20035/0137 | 10/26/76             | 10               | 8960                | 51.8            | 84.8         | GGFG         |            |     |       | 186          | 74            |
| 02419E                      | 2004S | 2625-07304        | 00000/0000      | 2-20034/0570 | 10/08/76             | 20               | 8709                | 48.8            | 75.5         | GGGP         |            |     |       | 186          | 74            |
| 02418E                      | 7834N | 2542-11101        | 00000/0000      | 2-20028/1741 | 07/17/76             | 80               | 7554                | 32.4            | 191.8        | GGGG         |            |     |       | 229          | 3             |
| 02418E                      | 5141N | 2567-08315        | 00000/0000      | 2-20030/1135 | 08/11/76             | 80               | 7901                | 46.8            | 137.0        | GGGG         |            |     |       | 200          | 24            |
| 02418E                      | 4843N | 2638-08244        | 00000/0000      | 2-20034/0941 | 10/21/76             | 70               | 8891                | 26.4            | 151.8        | GGGG         |            |     |       | 199          | 26            |
| 02417E                      | 5423N | 2424-08404        | 00000/0000      | 2-20021/1763 | 03/21/76             | 100              | 5907                | 31.5            | 147.6        | GG F         |            |     |       | 201          | 22            |
| 02417E                      | 5144N | 2585-08312        | 00000/0000      | 2-20032/0182 | 08/29/76             | 0                | 8152                | 41.7            | 141.6        | GGGG         |            |     |       | 200          | 24            |
| 02417E                      | 2140N | 2560-08004        | 00000/0000      | 2-20030/0703 | 08/04/76             | 50               | 7803                | 54.9            | 90.7         | GGFG         |            |     |       | 193          | 45            |
| 02417E                      | 2138N | 2488-08023        | 00000/0000      | 2-20025/1168 | 05/24/76             | 0                | 6799                | 58.2            | 85.1         | GGGG         |            |     |       | 193          | 45            |
| 02416E                      | 7633N | 2535-10310        | 00000/0000      | 2-20029/0004 | 07/10/76             | 70               | 7456                | 35.7            | 181.2        | GGGG         |            |     |       | 222          | 5             |
| 02416E                      | 5429N | 2604-08354        | 00000/0000      | 2-20032/1438 | 09/17/76             | 50               | 8417                | 33.7            | 149.1        | GGGG         |            |     |       | 201          | 22            |
| 02415E                      | 5420N | 2622-08351        | 00000/0000      | 2-20034/0374 | 10/05/76             | 90               | 8668                | 27.5            | 152.8        | FFFF         |            |     |       | 201          | 22            |
| 02415E                      | 4830N | 2404-08313        | 00000/0000      | 2-20021/0957 | 03/01/76             | 50               | 5623                | 27.8            | 144.9        | GGGG         |            |     |       | 199          | 26            |
| 02415E                      | 1009N | 2396-07570        | 00000/0000      | 2-20021/0394 | 02/22/76             | 0                | 5516                | 45.4            | 116.3        | FGGG         |            |     |       | 191          | 53            |
| 02414E                      | 5423N | 2676-08330        | 00000/0000      | 2-20036/1591 | 11/28/76             | 90               | 9421                | 11.4            | 156.9        | GGGG         |            |     |       | 201          | 22            |
| 02414E                      | 5420N | 2532-08374        | 00000/0000      | 2-20028/0868 | 07/07/76             | 100              | 7413                | 52.1            | 136.2        | GGGG         |            |     |       | 201          | 22            |
| 02414E                      | 5134N | 2549-08322        | 00000/0000      | 2-20029/0155 | 07/24/76             | 20               | 7650                | 50.9            | 133.4        | GGGG         |            |     |       | 200          | 24            |
| 02414E                      | 5132N | 2495-08335        | 00000/0000      | 2-20026/0516 | 05/31/76             | 70               | 6897                | 54.0            | 135.1        | GGGG         |            |     |       | 200          | 24            |
| 02413E                      | 5421N | 2640-08343        | 00000/0000      | 2-20034/1068 | 10/23/76             | 90               | 8919                | 21.3            | 155.6        | GGGG         |            |     |       | 201          | 22            |
| 02413E                      | 5139N | 2603-08305        | 00000/0000      | 2-20032/1380 | 09/16/76             | 30               | 8403                | 36.1            | 146.3        | GGGG         |            |     |       | 200          | 24            |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS-BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1163

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REV | ROLL NO./<br>IN REEL<br>VSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SARIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RVS MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02413E                                  | 5132N             | 2531-08325                   | 00000/0000                  | 2-20028/0926     | 07/06/76            | 90              | 7399         | 53.7         | 131.8                              | GFGG                |                      | 200                   | 24                   |
| 02413E                                  | 5130N             | 2513-08332                   | 00000/0000                  | 2-20026/1847     | 06/18/76            | 70              | 7148         | 54.8         | 132.5                              | GGGG                |                      | 200                   | 24                   |
| 02413E                                  | 2711N             | 2381-08094                   | 00000/0000                  | 2-20020/0937     | 02/07/76            | 0               | 5307         | 34.3         | 135.6                              | FGFF                |                      | 194                   | 41                   |
| 02413E                                  | 1000N             | 2378-07573                   | 00000/0000                  | 2-20020/0943     | 02/04/76            | 10              | 5265         | 42.6         | 123.5                              | GGGG                |                      | 191                   | 53                   |
| 02412E                                  | 7846N             | 2471-11174                   | 00000/0000                  | 2-20024/1764     | 05/07/76            | 20              | 6564         | 27.8         | 196.1                              | GGGG                |                      | 229                   | 3                    |
| 02412E                                  | 5416N             | 2514-08381                   | 00000/0000                  | 2-20027/0039     | 06/19/76            | 90              | 7162         | 53.4         | 136.8                              | G                   |                      | 201                   | 22                   |
| 02412E                                  | 5135N             | 2621-08301                   | 00000/0000                  | 2-20034/0325     | 10/04/76            | 70              | 8654         | 29.9         | 150.5                              | GGGG                |                      | 200                   | 24                   |
| 02412E                                  | 5132N             | 2639-08294                   | 00000/0000                  | 2-20034/1002     | 10/22/76            | 80              | 8905         | 23.8         | 153.7                              | GGGG                |                      | 200                   | 24                   |
| 02411E                                  | 6536N             | 2448-09110                   | 00000/0000                  | 2-20023/0166     | 04/14/76            | 20              | 6242         | 32.5         | 158.8                              | GGGG                |                      | 207                   | 14                   |
| 02411E                                  | 5419N             | 2658-08335                   | 00000/0000                  | 2-20034/0232     | 11/10/76            | 90              | 9170         | 15.7         | 156.9                              | GGGG                |                      | 201                   | 22                   |
| 02410E                                  | 6016N             | 2463-121-2                   | 00000/0000                  | 2-20024/0993     | 4/20/76             | 10              | 6453         | 23.1         | 210.4                              | FGGG                |                      | 226                   | 248                  |
| 02409E                                  | 6655N             | 2449-09162                   | 00000/0000                  | 2-20022/1792     | 04/15/76            | 10              | 6256         | 31.9         | 160.7                              | G GG                |                      | 208                   | 13                   |
| 02409E                                  | 6233N             | 2410-09017                   | 00000/0000                  | 2-20021/1117     | 03/07/76            | 10              | 5712         | 20.0         | 155.4                              | GGGG                |                      | 205                   | 16                   |
| 02409E                                  | 2136N             | 2398-08051                   | 00000/0000                  | 2-20021/0667     | 02/24/76            | 0               | 5544         | 41.4         | 126.3                              | FGGG                |                      | 193                   | 45                   |
| 02407E                                  | 7745N             | 2485-10545                   | 00000/0000                  | 2-20025/1009     | 05/21/76            | 90              | 6759         | 32.4         | 189.9                              | GGGG                |                      | 226                   | 4                    |
| 02407E                                  | 5845N             | 2462-08494                   | 00000/0000                  | 2-20024/0806     | 04/28/76            | 10              | 6437         | 42.4         | 149.6                              | GGGG                |                      | 203                   | 19                   |
| 02405E                                  | 6236N             | 2518-08587                   | 00000/0000                  | 2-20028/0103     | 08/23/76            | 30              | 7218         | 48.2         | 149.5                              | GGGG                |                      | 205                   | 16                   |
| 02404E                                  | 5843N             | 2570-08465                   | 00000/0000                  | 2-20030/1268     | 08/14/76            | 30              | 7943         | 41.7         | 146.3                              | GGGG                |                      | 203                   | 19                   |
| 02403E                                  | 8099N             | 2498-12075                   | 00000/0000                  | 2-20026/1185     | 06/03/76            | 40              | 6941         | 31.1         | 209.1                              | GGGG                |                      | 239                   | 1                    |
| 02403E                                  | 7927N             | 2493-11394                   | 00000/0000                  | 2-20026/1449     | 05/29/76            | 40              | 6871         | 31.6         | 201.7                              | GGGG                |                      | 234                   | 2                    |
| 02403E                                  | 5845N             | 2444-08501                   | 00000/0000                  | 2-20022/1870     | 04/10/76            | 80              | 6186         | 36.2         | 150.7                              | GGGG                |                      | 203                   | 19                   |
| 02401E                                  | 5836N             | 2440-08492                   | 00000/0000                  | 2-20025/0505     | 05/16/76            | 10              | 6688         | 47.2         | 147.7                              | GGGG                |                      | 203                   | 19                   |
| 02400E                                  | 5845N             | 2588-08462                   | 00000/0000                  | 2-20032/0476     | 09/01/76            | 40              | 8194         | 36.1         | 149.8                              | GGGG                |                      | 203                   | 19                   |
| 02359E                                  | 3128N             | 2382-08141                   | 00000/0000                  | 2-20020/1214     | 02/08/76            | 80              | 5321         | 32.0         | 138.1                              | GGGG                |                      | 195                   | 38                   |
| 02358E                                  | 5838N             | 2426-08505                   | 00000/0000                  | 2-20022/0312     | 03/23/76            | 20              | 5935         | 29.3         | 151.3                              | FGGG                |                      | 203                   | 19                   |
| 02357E                                  | 5839N             | 2606-08455                   | 00000/0000                  | 2-20032/1529     | 09/19/76            | 0               | 8445         | 30.0         | 153.3                              | GGGG                |                      | 203                   | 19                   |
| 02357E                                  | 5835N             | 2552-08472                   | 00000/0000                  | 2-20030/0266     | 07/27/76            | 40              | 7692         | 46.3         | 143.6                              | GGGG                |                      | 203                   | 19                   |
| 02356E                                  | 6359N             | 2537-09032                   | 00000/0000                  | 2-20028/1812     | 07/12/76            | 10              | 7483         | 45.6         | 151.0                              | PPFF                |                      | 206                   | 15                   |
| 02356E                                  | 2012N             | 2488-08030                   | 00000/0000                  | 2-20026/0039     | 05/24/76            | 0               | 6799         | 57.8         | 82.8                               | FGGG                |                      | 193                   | 46                   |
| 02355E                                  | 7937N             | 2458-11462                   | 00000/0000                  | 2-20024/0476     | 04/24/76            | 20              | 6383         | 22.7         | 202.6                              | FGGG                |                      | 234                   | 2                    |
| 02355E                                  | 2014N             | 2560-08010                   | 00000/0000                  | 2-20030/0704     | 05/04/76            | 50              | 7803         | 54.6         | 88.6                               | GFFG                |                      | 193                   | 46                   |
| 02355E                                  | 0843N             | 2396-07573                   | 00000/0000                  | 2-20021/0395     | 02/22/76            | 10              | 5516         | 45.8         | 114.9                              | FGGG                |                      | 191                   | 54                   |
| 02354E                                  | 5831N             | 2498-08445                   | 00000/0000                  | 2-20026/0697     | 06/03/76            | 90              | 6939         | 50.2         | 145.2                              | FGGG                |                      | 203                   | 19                   |
| 02353E                                  | 0834N             | 2378-07580                   | 00000/0000                  | 2-20020/0944     | 02/04/76            | 20              | 5265         | 43.2         | 122.2                              | GGGG                |                      | 191                   | 54                   |
| 02352E                                  | 7537N             | 2479-10212                   | 00000/0000                  | 2-20025/0546     | 05/15/76            | 90              | 6675         | 33.3         | 180.5                              | GGGG                |                      | 220                   | 6                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 77

LANDSAT-2  
COORDINATE LISTING  
FOR USN-15

PAGE 1164

FROM 11/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REV | ROLL NO./<br>IN REEL<br>MSG | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRIGHT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02352E                      | 5830N             | 2642-08444                   | 00000/0000                  | 2-20035/0158     | 10/25/76            | 60               | 8947         | 17.3         | 158.6                              | GGGG                |                      | 203                   | 19                   |
| 02352E                      | 5828N             | 2516-08482                   | 00000/0000                  | 2-20027/0225     | 06/21/76            | 90               | 7190         | 50.9         | 143.2                              | GFFG                |                      | 203                   | 19                   |
| 02352E                      | 4730N             | 2440-08305                   | 00000/0000                  | 2-20027/0225     | 06/21/76            | 90               | 7190         | 50.9         | 143.2                              | GFFG                |                      | 203                   | 19                   |
| 02352E                      | 4730N             | 2458-08305                   | 00000/0000                  | 2-20027/0225     | 06/21/76            | 90               | 7190         | 50.9         | 143.2                              | GFFG                |                      | 203                   | 19                   |
| 02351E                      | 4724N             | 2476-08295                   | 00000/0000                  | 2-20024/0293     | 04/06/76            | 10               | 6130         | 42.2         | 139.5                              | GGGG                |                      | 199                   | 27                   |
| 02350E                      | 6516N             | 2412-09121                   | 00000/0000                  | 2-20025/0191     | 05/12/76            | 10               | 6632         | 48.3         | 136.6                              | GGGG                |                      | 199                   | 27                   |
| 02350E                      | 5827N             | 2660-08440                   | 00000/0000                  | 2-20021/1323     | 03/09/76            | 10               | 5740         | 53.0         | 132.8                              | GGGG                |                      | 199                   | 27                   |
| 02349E                      | 6355N             | 2519-09035                   | 00000/0000                  | 2-20036/0425     | 11/12/76            | 90               | 9198         | 18.7         | 158.2                              | GGGG                |                      | 207                   | 14                   |
| 02349E                      | 5827N             | 2534-08475                   | 00000/0000                  | 2-20028/0118     | 06/24/76            | 50               | 7232         | 11.8         | 159.5                              | GFFG                |                      | 203                   | 19                   |
| 02349E                      | 4730N             | 2710-08221                   | 00000/0000                  | 2-20028/1115     | 07/09/76            | 90               | 7441         | 47.3         | 151.6                              | GGGG                |                      | 206                   | 15                   |
| 02349E                      | 4726N             | 2566-08272                   | 00000/0000                  | 2-20038/0596     | 01/01/77            | 20               | 9895         | 49.6         | 142.5                              | GGFG                |                      | 203                   | 19                   |
| 02349E                      | 2546N             | 2381-08161                   | 00000/0000                  | 2-20030/1032     | 08/10/76            | 30               | 7887         | 14.0         | 150.3                              | GGGG                |                      | 199                   | 27                   |
| 02348E                      | 4724N             | 2422-08312                   | 00000/0000                  | 2-20020/0938     | 02/07/76            | 0                | 5307         | 49.3         | 131.3                              | GGGG                |                      | 199                   | 27                   |
| 02347E                      | 5559N             | 2461-08445                   | 00000/0000                  | 2-20021/1734     | 03/19/76            | 40               | 5879         | 35.2         | 134.7                              | FGFF                |                      | 194                   | 42                   |
| 02347E                      | 4729N             | 2584-08265                   | 00000/0000                  | 2-20024/0830     | 04/27/76            | 10               | 6423         | 35.4         | 141.9                              | FGGG                |                      | 199                   | 27                   |
| 02347E                      | 4726N             | 2692-08230                   | 00000/0000                  | 2-20032/0458     | 08/28/76            | 10               | 8138         | 44.0         | 146.3                              | GGGG                |                      | 202                   | 21                   |
| 02346E                      | 6519N             | 2538-09084                   | 00000/0000                  | 2-20037/0830     | 12/14/76            | 80               | 9644         | 44.6         | 136.7                              | GGGG                |                      | 199                   | 27                   |
| 02346E                      | 4719N             | 2434-08292                   | 00000/0000                  | 2-20028/1367     | 07/13/76            | 50               | 7497         | 44.6         | 152.5                              | GGGG                |                      | 199                   | 27                   |
| 02345E                      | 4727N             | 2402-08262                   | 00000/0000                  | 2-20026/0089     | 05/30/76            | 10               | 6883         | 44.5         | 153.2                              | GGGG                |                      | 207                   | 14                   |
| 02345E                      | 4720N             | 2550-08242                   | 00000/0000                  | 2-20032/1342     | 09/15/76            | 10               | 8389         | 55.9         | 128.6                              | FGGG                |                      | 199                   | 27                   |
| 02345E                      | 4719N             | 2548-08275                   | 00000/0000                  | 2-20028/0714     | 07/05/76            | 10               | 7385         | 39.2         | 142.3                              | FGGG                |                      | 199                   | 27                   |
| 02345E                      | 7136S             | 2371-05522                   | 00000/0000                  | 2-20030/0010     | 07/23/76            | 30               | 7636         | 55.6         | 125.0                              | GGGG                |                      | 199                   | 27                   |
| 02344E                      | 6515N             | 2520-09091                   | 00000/0000                  | 2-20027/0475     | 01/28/76            | 70               | 5166         | 53.0         | 127.0                              | GFFG                |                      | 199                   | 27                   |
| 02344E                      | 5558N             | 2443-08452                   | 00000/0000                  | 2-20028/0043     | 06/25/76            | 50               | 7246         | 23.8         | 76.5                               | GGGG                |                      | 166                   | 111                  |
| 02344E                      | 5558N             | 2547-08412                   | 00000/0000                  | 2-20022/1678     | 04/09/76            | 10               | 6172         | 46.3         | 153.8                              | GGGG                |                      | 207                   | 14                   |
| 02344E                      | 4720N             | 2620-08255                   | 00000/0000                  | 2-20032/0374     | 08/31/76            | 10               | 8180         | 37.8         | 147.8                              | GGGG                |                      | 202                   | 21                   |
| 02343E                      | 4717N             | 2512-08285                   | 00000/0000                  | 2-20034/0263     | 10/03/76            | 30               | 8640         | 38.4         | 146.6                              | FGGG                |                      | 202                   | 21                   |
| 02343E                      | 4716N             | 2656-08243                   | 00000/0000                  | 2-20026/1748     | 06/17/76            | 90               | 7134         | 33.4         | 147.2                              | GGGG                |                      | 199                   | 27                   |
| 02342E                      | 5021N             | 2459-08351                   | 00000/0000                  | 2-20036/0073     | 11/03/76            | 90               | 9142         | 56.7         | 125.6                              | GGGG                |                      | 199                   | 27                   |
| 02342E                      | 4719N             | 2638-08251                   | 00000/0000                  | 2-20024/0573     | 04/25/76            | 90               | 6395         | 21.9         | 153.0                              | GGGG                |                      | 199                   | 27                   |
| 02342E                      | 4715N             | 2368-08324                   | 00000/0000                  | 2-20034/0942     | 10/21/76            | 20               | 8891         | 46.9         | 139.9                              | GGGG                |                      | 203                   | 25                   |
| 02342E                      | 4713N             | 2386-08322                   | 00000/0000                  | 2-20020/0379     | 01/25/76            | 80               | 5126         | 27.4         | 150.9                              | GGGG                |                      | 199                   | 27                   |
| 02341E                      | 5017N             | 2441-08354                   | 00000/0000                  | 2-20020/1384     | 02/12/76            | 10               | 5377         | 18.0         | 149.2                              | FGFG                |                      | 199                   | 27                   |
| 02340E                      | 5554N             | 2569-08420                   | 00000/0000                  | 2-20027/1502     | 04/07/76            | 90               | 6144         | 22.6         | 146.5                              | GGGG                |                      | 199                   | 27                   |
| 02340E                      | 5550N             | 2479-08442                   | 00000/0000                  | 2-20030/1232     | 08/13/76            | 80               | 7929         | 40.8         | 142.2                              | FGGG                |                      | 200                   | 25                   |
|                             |                   |                              |                             |                  |                     |                  |              |              |                                    | GGGG                |                      | 202                   | 21                   |
|                             |                   |                              |                             |                  |                     |                  |              |              |                                    | GGGG                |                      | 202                   | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER,  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR USN-US  
FROM 01/22/76 TO 01/22/77

PAGE 1165

| PRINCIPAL POINT<br>OF IMAGE | ORIENTATION<br>ID | MICROFILM<br>POSITION<br>48V | ROLL NO./<br>IN REEL<br>US | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRIGHT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV HSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02340E                      | 5308N             | 2400-08420                   | 0000/0000                  | 2-20024/0557     | 04/26/76            | 40               | 6409         | 45.5         | 143.1                              | FGGG                |                      | 201                   | 23                   |
| 02340E                      | 5313N             | 2477-08534                   | 0000/0000                  | 2-20025/0280     | 05/13/76            | 30               | 6646         | 51.8         | 136.5                              | FGGG                |                      | 203                   | 25                   |
| 02340E                      | 6911S             | 2392-06142                   | 0000/0000                  | 2-20024/1680     | 02/18/76            | 50               | 5459         | 19.5         | 71.7                               | FGGG                |                      | 169                   | 109                  |
| 02339E                      | 5018N             | 2711-08271                   | 0000/0000                  | 2-20038/0480     | 01/02/77            | 90               | 9909         | 11.9         | 151.5                              | GGGG                |                      | 200                   | 25                   |
| 02338E                      | 7643N             | 2452-12311                   | 0000/0000                  | 2-20025/0764     | 05/18/76            | 100              | 6717         | 32.9         | 184.8                              | GGFG                |                      | 223                   | 5                    |
| 02338E                      | 6007N             | 2463-08550                   | 0000/0000                  | 2-20024/1018     | 04/29/76            | 20               | 6451         | 41.7         | 151.2                              | GGGG                |                      | 204                   | 18                   |
| 02338E                      | 5549N             | 2425-08460                   | 0000/0000                  | 2-20022/0196     | 03/22/76            | 0                | 5921         | 30.9         | 148.8                              | GGFG                |                      | 202                   | 21                   |
| 02338E                      | 5308N             | 2442-08413                   | 0000/0000                  | 2-20022/1524     | 04/08/76            | 80               | 6158         | 39.3         | 145.0                              | FGGG                |                      | 201                   | 23                   |
| 02338E                      | 5020N             | 2729-08263                   | 0000/0000                  | 2-20038/1633     | 01/20/77            | 70               | 160          | 13.9         | 148.7                              | GGGF                |                      | 200                   | 25                   |
| 02338E                      | 5015N             | 2693-08275                   | 0000/0000                  | 2-20037/0930     | 12/15/76            | 60               | 9658         | 12.3         | 153.7                              | GGFG                |                      | 200                   | 25                   |
| 02337E                      | 5550N             | 2605-08410                   | 0000/0000                  | 2-20032/1449     | 09/18/76            | 90               | 8431         | 32.4         | 150.5                              | GGGG                |                      | 202                   | 21                   |
| 02337E                      | 5545N             | 2497-08440                   | 0000/0000                  | 2-20024/0631     | 06/02/76            | 90               | 6925         | 51.8         | 141.2                              | GGGG                |                      | 202                   | 21                   |
| 02337E                      | 5016N             | 2567-08321                   | 0000/0000                  | 2-20030/1136     | 08/11/76            | 60               | 7901         | 47.6         | 135.2                              | FGGG                |                      | 200                   | 25                   |
| 02337E                      | 5014N             | 2423-08361                   | 0000/0000                  | 2-20022/0368     | 03/20/76            | 90               | 5893         | 33.9         | 144.1                              | FGGF                |                      | 200                   | 25                   |
| 02336E                      | 5546N             | 2551-08423                   | 0000/0000                  | 2-20030/0171     | 07/26/76            | 60               | 7678         | 48.2         | 139.6                              | GGGG                |                      | 202                   | 21                   |
| 02336E                      | 5546N             | 2677-08382                   | 0000/0000                  | 2-20036/1562     | 11/29/76            | 90               | 9435         | 10.1         | 157.6                              | FFGG                |                      | 202                   | 21                   |
| 02336E                      | 5542N             | 2515-08433                   | 0000/0000                  | 2-20024/1737     | 06/20/76            | 90               | 7176         | 52.6         | 139.0                              | GGGG                |                      | 202                   | 21                   |
| 02336E                      | 5539N             | 2371-08472                   | 0000/0000                  | 2-20020/0482     | 01/28/76            | 90               | 5168         | 12.3         | 153.2                              | PPP                 |                      | 202                   | 21                   |
| 02336E                      | 5307N             | 2558-08370                   | 0000/0000                  | 2-20030/1195     | 08/12/76            | 80               | 7915         | 45.7         | 139.0                              | FGGG                |                      | 201                   | 23                   |
| 02336E                      | 5306N             | 2624-08324                   | 0000/0000                  | 2-20037/1079     | 12/16/76            | 70               | 9672         | 10.0         | 154.9                              | PGGG                |                      | 201                   | 23                   |
| 02336E                      | 5304N             | 2478-08393                   | 0000/0000                  | 2-20025/0359     | 05/14/76            | 90               | 6660         | 50.3         | 140.3                              | GGGG                |                      | 201                   | 23                   |
| 02336E                      | 5020N             | 2555-08314                   | 0000/0000                  | 2-20032/0183     | 08/29/76            | 10               | 8152         | 42.6         | 140.1                              | GGGG                |                      | 200                   | 25                   |
| 02335E                      | 7839N             | 2489-11172                   | 0000/0000                  | 2-20026/0079     | 05/25/76            | 90               | 6815         | 32.0         | 195.3                              | FGGG                |                      | 230                   | 3                    |
| 02335E                      | 5543N             | 2533-08430                   | 0000/0000                  | 2-20028/1554     | 07/08/76            | 90               | 7427         | 51.3         | 138.3                              | GGGG                |                      | 202                   | 21                   |
| 02335E                      | 2434N             | 2561-08052                   | 0000/0000                  | 2-20030/0837     | 08/05/76            | 0                | 7817         | 55.1         | 95.6                               | GGGG                |                      | 194                   | 43                   |
| 02335E                      | 2429N             | 2485-08073                   | 0000/0000                  | 2-20026/0190     | 05/25/76            | 10               | 6813         | 50.8         | 89.6                               | GGGG                |                      | 194                   | 43                   |
| 02335E                      | 0716N             | 2396-07575                   | 0000/0000                  | 2-20021/0396     | 02/22/76            | 10               | 5516         | 46.1         | 113.4                              | FGGG                |                      | 191                   | 55                   |
| 02334E                      | 7531N             | 2401-10210                   | 0000/0000                  | 2-20026/0144     | 06/02/76            | 50               | 6926         | 36.7         | 179.4                              | GGGF                |                      | 220                   | 6                    |
| 02334E                      | 5545N             | 2623-08402                   | 0000/0000                  | 2-20034/0345     | 10/06/76            | 70               | 8682         | 26.1         | 154.0                              | FGFG                |                      | 202                   | 21                   |
| 02334E                      | 5538N             | 2359-08470                   | 0000/0000                  | 2-20020/1482     | 02/15/76            | 90               | 5419         | 17.5         | 151.2                              | GGGG                |                      | 202                   | 21                   |
| 02334E                      | 5308N             | 2586-08363                   | 0000/0000                  | 2-20032/0677     | 08/30/76            | 10               | 8166         | 40.6         | 143.4                              | GGGG                |                      | 201                   | 23                   |
| 02334E                      | 5009N             | 2549-08324                   | 0000/0000                  | 2-20030/0068     | 07/24/76            | 20               | 7650         | 51.6         | 131.4                              | G                   |                      | 200                   | 25                   |
| 02334E                      | 5008N             | 2495-08341                   | 0000/0000                  | 2-20026/0517     | 05/31/76            | 80               | 6897         | 54.7         | 132.9                              | GGGG                |                      | 200                   | 25                   |
| 02334E                      | 3002N             | 2382-08142                   | 0000/0000                  | 2-20020/1506     | 02/08/76            | 40               | 5321         | 32.8         | 137.2                              | GGFG                |                      | 195                   | 39                   |
| 02333E                      | 5543N             | 2641-08395                   | 0000/0000                  | 2-20034/1054     | 10/24/76            | 90               | 8933         | 19.9         | 156.6                              | FFGG                |                      | 202                   | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=RAW/PRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANC-SAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1166

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>-SS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02333E                                  | 5541N             | 2407-JR453                   | 00000/0000                  | 2-20021/1043     | 03/04/76            | 10              | 5670         | 23.9         | 149.8                              | GGGG                |                      | 202                   | 21                   |
| 02333E                                  | 5508N             | 2531-JR333                   | 00000/0000                  | 2-20028/0927     | 07/06/76            | 60              | 7399         | 54.3         | 129.5                              | GGGG                |                      | 200                   | 25                   |
| 02332E                                  | 5542N             | 2659-JR399                   | 00000/0000                  | 2-20036/0445     | 11/11/76            | 100             | 9184         | 14.3         | 157.8                              | GGGG                |                      | 202                   | 21                   |
| 02332E                                  | 5305N             | 2614-JR357                   | 00000/0000                  | 2-20032/1439     | 09/17/76            | 40              | 8417         | 34.7         | 147.8                              | GGGG                |                      | 201                   | 23                   |
| 02332E                                  | 5258N             | 2424-JR411                   | 00000/0000                  | 2-20021/1764     | 03/21/76            | 100             | 5907         | 32.4         | 146.4                              | GF G                |                      | 201                   | 23                   |
| 02332E                                  | 5258N             | 2496-JR337                   | 00000/0000                  | 2-20026/0656     | 06/01/76            | 90              | 6911         | 53.3         | 137.2                              | GGGG                |                      | 201                   | 23                   |
| 02332E                                  | 5011N             | 2621-JR374                   | 00000/0000                  | 2-20034/0324     | 10/04/76            | 90              | 8654         | 31.0         | 149.5                              | GGGG                |                      | 200                   | 25                   |
| 02332E                                  | 5008N             | 2639-JR300                   | 00000/0000                  | 2-20034/1003     | 10/22/76            | 90              | 8905         | 24.9         | 152.8                              | GGGG                |                      | 200                   | 25                   |
| 02332E                                  | 5007N             | 2657-JR299                   | 00000/0000                  | 2-20036/0106     | 11/09/76            | 90              | 9156         | 19.4         | 154.6                              | GGGG                |                      | 200                   | 25                   |
| 02332E                                  | 5007N             | 2675-JR254                   | 00000/0000                  | 2-20036/1393     | 11/27/76            | 90              | 9407         | 15.0         | 154.8                              | GGGG                |                      | 200                   | 25                   |
| 02332E                                  | 5002N             | 2359-JR374                   | 00000/0000                  | 2-20028/0477     | 01/26/76            | 10              | 5140         | 16.1         | 150.4                              | GGGG                |                      | 200                   | 25                   |
| 02331E                                  | 5005N             | 2405-JR365                   | 00000/0000                  | 2-20021/1011     | 03/02/76            | 90              | 5642         | 27.1         | 145.9                              | GGGG                |                      | 200                   | 25                   |
| 02330E                                  | 5256N             | 2622-JR353                   | 00000/0000                  | 2-20034/0375     | 10/05/76            | 90              | 8668         | 28.6         | 151.7                              | GGGG                |                      | 201                   | 23                   |
| 02330E                                  | 5001N             | 2387-JR372                   | 00000/0000                  | 2-20020/1442     | 02/13/76            | 50              | 5391         | 20.9         | 147.9                              | FFGG                |                      | 200                   | 25                   |
| 02329E                                  | 5011N             | 2481-12140                   | 00000/0000                  | 2-20025/0725     | 05/17/76            | 50              | 6704         | 28.0         | 210.2                              | GGGG                |                      | 239                   | 1                    |
| 02329E                                  | 5259N             | 2676-JR333                   | 00000/0000                  | 2-20036/1592     | 11/28/76            | 90              | 9421         | 12.5         | 156.2                              | GGGF                |                      | 201                   | 23                   |
| 02329E                                  | 5256N             | 2532-JR381                   | 00000/0000                  | 2-20028/0569     | 07/07/76            | 70              | 7413         | 52.9         | 134.0                              | GGGG                |                      | 201                   | 23                   |
| 02328E                                  | 5256N             | 2640-JR345                   | 00000/0000                  | 2-20034/1069     | 10/23/76            | 60              | 8919         | 22.4         | 154.7                              | GFGG                |                      | 201                   | 23                   |
| 02327E                                  | 5252N             | 2514-JR344                   | 00000/0000                  | 2-20027/0040     | 06/19/76            | 60              | 7162         | 54.1         | 134.6                              | GGG                 |                      | 201                   | 23                   |
| 02327E                                  | 2419N             | 2351-JR173                   | 00000/0000                  | 2-20027/0939     | 02/07/76            | 30              | 5307         | 36.0         | 133.7                              | FFFG                |                      | 194                   | 43                   |
| 02326E                                  | 7924N             | 2529-11385                   | 00000/0000                  | 2-20028/0692     | 07/04/76            | 10              | 7373         | 33.0         | 198.8                              | GGFG                |                      | 234                   | 2                    |
| 02326E                                  | 7530N             | 2501-10193                   | 00000/0000                  | 2-20030/0175     | 07/26/76            | 10              | 7679         | 33.8         | 176.5                              | GGGG                |                      | 220                   | 6                    |
| 02326E                                  | 5255N             | 2658-JR341                   | 00000/0000                  | 2-20036/0233     | 11/10/76            | 100             | 9170         | 16.9         | 156.2                              | GGGG                |                      | 201                   | 23                   |
| 02326E                                  | 1844N             | 2398-JR300                   | 00000/0000                  | 2-20021/0613     | 02/24/76            | 0               | 5544         | 42.7         | 123.8                              | GFGG                |                      | 193                   | 47                   |
| 02325E                                  | 7738N             | 2503-10542                   | 00000/0000                  | 2-20026/0974     | 06/08/76            | 10              | 7010         | 35.2         | 188.4                              | FGGG                |                      | 226                   | 4                    |
| 02318E                                  | 7931N             | 2476-11455                   | 00000/0000                  | 2-20025/0078     | 05/12/76            | 30              | 6634         | 28.0         | 202.5                              | GGGG                |                      | 234                   | 2                    |
| 02315E                                  | 7752N             | 2468-11010                   | 00000/0000                  | 2-20024/1459     | 05/04/76            | 50              | 6522         | 28.0         | 190.5                              | GGGG                |                      | 226                   | 4                    |
| 02315E                                  | 1138N             | 2433-JR311                   | 00000/0000                  | 2-20027/1014     | 03/30/76            | 10              | 6032         | 52.1         | 98.8                               | GGGG                |                      | 192                   | 52                   |
| 02315E                                  | 0549N             | 2396-JR542                   | 00000/0000                  | 2-20021/0397     | 02/22/76            | 10              | 5516         | 46.5         | 111.9                              | FGGG                |                      | 191                   | 56                   |
| 02314E                                  | 1837S             | 2644-JR352                   | 00000/0000                  | 2-20035/0066     | 10/27/76            | 10              | 8974         | 52.2         | 87.0                               | GGGG                |                      | 187                   | 73                   |
| 02313E                                  | 2304N             | 2489-JR075                   | 00000/0000                  | 2-20026/0074     | 05/25/76            | 90              | 6813         | 58.5         | 87.1                               | GGGG                |                      | 194                   | 44                   |
| 02313E                                  | 1842S             | 2392-JR423                   | 00000/0000                  | 2-20020/1703     | 02/18/76            | 30              | 5460         | 46.6         | 87.6                               | GGGG                |                      | 187                   | 73                   |
| 02312E                                  | 5722N             | 2462-JR501                   | 00000/0000                  | 2-20024/0807     | 04/28/76            | 30              | 6437         | 43.3         | 147.9                              | GGGF                |                      | 203                   | 20                   |
| 02312E                                  | 2308N             | 2561-JR055                   | 00000/0000                  | 2-20030/0838     | 08/05/76            | 0               | 7817         | 55.0         | 93.4                               | GGGG                |                      | 194                   | 44                   |
| 02311E                                  | 7849N             | 2454-11235                   | 00000/0000                  | 2-20023/0513     | 04/20/76            | 30              | 6327         | 22.5         | 195.7                              | GGGG                |                      | 230                   | 3                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1167

| PRINCIPAL PRIN-<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>ENV | ROLL NO./<br>POSITION<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02311E                                  | 7638N             | 250-12374                    | 00000/0000                              | 2-20024/0819     | 06/05/76            | 90              | 6968         | 36.0         | 183.7                              | GGGG                |                      | 223                   | 5                    |
| 02311E                                  | 1135N             | 2415-08015                   | 00000/0000                              | 2-20022/0093     | 03/12/76            | 20              | 5781         | 48.7         | 108.7                              | FGGG                |                      | 192                   | 52                   |
| 02310E                                  | 5720N             | 2570-08471                   | 00000/0000                              | 2-20030/1269     | 08/14/76            | 30              | 7943         | 42.6         | 144.6                              | GGGF                |                      | 203                   | 20                   |
| 02309E                                  | 5722N             | 2444-085-4                   | 00000/0000                              | 2-20022/1871     | 04/10/76            | 60              | 6186         | 37.2         | 149.2                              | GGGG                |                      | 203                   | 20                   |
| 02308E                                  | 1124N             | 2379-08025                   | 00000/0000                              | 2-20020/1041     | 02/05/76            | 0               | 5279         | 42.1         | 124.4                              | GGGG                |                      | 192                   | 52                   |
| 02307E                                  | 5713N             | 2450-08434                   | 00000/0000                              | 2-20025/0506     | 05/16/76            | 10              | 6688         | 48.2         | 145.7                              | GGGG                |                      | 203                   | 20                   |
| 02306E                                  | 7834N             | 2507-11165                   | 00000/0000                              | 2-20024/1384     | 06/12/76            | 10              | 7066         | 34.4         | 193.8                              | GGGG                |                      | 230                   | 3                    |
| 02306E                                  | 5722N             | 2538-08454                   | 00000/0000                              | 2-20032/0477     | 09/01/76            | 40              | 8194         | 37.1         | 148.3                              | GGGG                |                      | 203                   | 20                   |
| 02306E                                  | 1718N             | 2398-08080                   | 00000/0000                              | 2-20021/0614     | 02/24/76            | 0               | 5544         | 43.3         | 122.4                              | GGGG                |                      | 193                   | 48                   |
| 02304E                                  | 5715N             | 2426-08511                   | 00000/0000                              | 2-20022/0313     | 03/23/76            | 10              | 5935         | 30.3         | 150.0                              | GGGG                |                      | 203                   | 20                   |
| 02304E                                  | 4856N             | 2409-08352                   | 00000/0000                              | 2-20024/0574     | 04/25/76            | 90              | 6395         | 47.8         | 138.2                              | GGGG                |                      | 200                   | 26                   |
| 02304E                                  | 2253N             | 2381-08110                   | 00000/0000                              | 2-20020/0940     | 02/07/76            | 10              | 5307         | 36.8         | 132.7                              | FFFG                |                      | 194                   | 44                   |
| 02303E                                  | 5712N             | 2532-08475                   | 00000/0000                              | 2-20030/0267     | 07/27/76            | 20              | 7692         | 47.2         | 141.7                              | GGGF                |                      | 203                   | 20                   |
| 02302E                                  | 5716N             | 2606-08461                   | 00000/0000                              | 2-20032/1530     | 09/19/76            | 0               | 8445         | 31.0         | 152.0                              | GGGG                |                      | 203                   | 20                   |
| 02301E                                  | 4848N             | 2477-08350                   | 00000/0000                              | 2-20025/0281     | 05/13/76            | 60              | 6646         | 52.5         | 134.5                              | GGGG                |                      | 200                   | 26                   |
| 02301E                                  | 3009S             | 2372-07345                   | 00000/0000                              | 2-20020/0545     | 01/29/76            | 10              | 5181         | 46.3         | 85.0                               | GGGG                |                      | 185                   | 81                   |
| 02300E                                  | 5708N             | 2498-08490                   | 00000/0000                              | 2-20026/0698     | 06/03/76            | 100             | 6939         | 51.1         | 143.2                              | GGGG                |                      | 203                   | 20                   |
| 02259E                                  | 5704N             | 2516-08485                   | 00000/0000                              | 2-20027/0226     | 06/21/76            | 70              | 7190         | 51.8         | 141.0                              | GGGF                |                      | 203                   | 20                   |
| 02259E                                  | 5425N             | 2401-08450                   | 00000/0000                              | 2-20024/0680     | 04/27/76            | 10              | 6423         | 44.9         | 144.7                              | GG G                |                      | 202                   | 22                   |
| 02259E                                  | 2007S             | 2402-074-0                   | 00000/0000                              | 2-20025/0759     | 05/18/76            | 0               | 6715         | 33.5         | 47.3                               | GGGG                |                      | 187                   | 74                   |
| 02258E                                  | 7830N             | 2503-11165                   | 00000/0000                              | 2-20024/1346     | 07/18/76            | 10              | 7568         | 32.2         | 191.9                              | GGGG                |                      | 230                   | 3                    |
| 02258E                                  | 0707N             | 2642-08400                   | 00000/0000                              | 2-20035/0159     | 10/25/76            | 10              | 8947         | 18.4         | 157.6                              | GGGG                |                      | 203                   | 20                   |
| 02258E                                  | 4851N             | 2567-08324                   | 00000/0000                              | 2-20030/1137     | 08/11/76            | 50              | 7901         | 48.3         | 133.4                              | GGGG                |                      | 200                   | 26                   |
| 02257E                                  | 5144N             | 2460-08400                   | 00000/0000                              | 2-20024/0588     | 04/26/76            | 90              | 6409         | 46.4         | 141.4                              | FFFG                |                      | 201                   | 24                   |
| 02256E                                  | 5705N             | 2660-08440                   | 00000/0000                              | 2-20036/0426     | 11/12/76            | 90              | 9198         | 12.9         | 158.6                              | GGGG                |                      | 203                   | 20                   |
| 02256E                                  | 0034N             | 2587-08415                   | 00000/0000                              | 2-20032/0375     | 08/31/76            | 10              | 8180         | 39.3         | 145.1                              | GGGG                |                      | 202                   | 22                   |
| 02256E                                  | 4845N             | 2549-08331                   | 00000/0000                              | 2-20030/0069     | 07/24/76            | 20              | 7650         | 52.2         | 129.3                              | GGGG                |                      | 200                   | 26                   |
| 02256E                                  | 4843N             | 2495-08344                   | 00000/0000                              | 2-20026/0518     | 05/31/76            | 90              | 6897         | 55.4         | 130.7                              | GGGG                |                      | 200                   | 26                   |
| 02255E                                  | 5704N             | 2534-08440                   | 00000/0000                              | 2-20028/1116     | 07/09/76            | 90              | 7441         | 50.4         | 140.4                              | GGGG                |                      | 203                   | 20                   |
| 02255E                                  | 4844N             | 2531-08334                   | 00000/0000                              | 2-20028/0928     | 07/06/76            | 40              | 7399         | 54.9         | 127.3                              | GGGG                |                      | 200                   | 26                   |
| 02255E                                  | 4840N             | 2513-08341                   | 00000/0000                              | 2-20027/0012     | 06/18/76            | 80              | 7148         | 56.1         | 127.8                              | GGGG                |                      | 200                   | 26                   |
| 02254E                                  | 5142N             | 2568-08373                   | 00000/0000                              | 2-20030/1139     | 08/12/76            | 70              | 7915         | 46.5         | 137.3                              | FGGG                |                      | 201                   | 24                   |
| 02254E                                  | 5139N             | 2478-08400                   | 00000/0000                              | 2-20025/0360     | 05/14/76            | 90              | 6660         | 51.2         | 138.4                              | FGGG                |                      | 201                   | 24                   |
| 02254E                                  | 4843N             | 2657-08295                   | 00000/0000                              | 2-20036/0107     | 11/09/76            | 70              | 9156         | 20.5         | 153.9                              | GGGF                |                      | 200                   | 26                   |
| 02254E                                  | 4843N             | 2675-08290                   | 00000/0000                              | 2-20036/1394     | 11/27/76            | 90              | 9407         | 16.1         | 154.2                              | GGGG                |                      | 200                   | 26                   |

KEYS: CLOUD COVER % ..... C TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=HIGH GAIN

02:44 APR 29, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR MEXICO  
FROM 01/22/76 TO 01/22/77

PAGE 1168

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBL | ROLL NO./<br>IN REL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBL MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02254E                                  | 1312N             | 2433-08014                   | 00000/0000                 | 2-20022/1015     | 13/30/76            | 20              | 6032         | 52.0         | 96.9                               |                     |                      |                       |                      |
| 02253E                                  | 4443N             | 2639-08307                   | 00000/0000                 | 2-20034/1004     | 10/22/76            | 90              | 8905         | 26.0         | 151.9                              | GGGG                |                      | 192                   | 53                   |
| 02252E                                  | 7929N             | 2494-11453                   | 00000/0000                 | 2-20026/1038     | 05/30/76            | 20              | 6885         | 31.7         | 201.8                              | GGGG                |                      | 200                   | 26                   |
| 02252E                                  | 5430N             | 2569-08422                   | 00000/0000                 | 2-20033/1233     | 04/13/76            | 80              | 7929         | 44.7         | 140.9                              | GFGG                |                      | 235                   | 2                    |
| 02252E                                  | 3426N             | 2479-08445                   | 00000/0000                 | 2-20025/1047     | 05/15/76            | 100             | 6674         | 49.7         | 142.1                              | GGGG                |                      | 202                   | 22                   |
| 02252E                                  | 2003S             | 2644-07354                   | 00000/0000                 | 2-20035/1067     | 10/27/76            | 0               | 8974         | 51.9         | 85.3                               | GGGG                |                      | 202                   | 22                   |
| 02251E                                  | 2138N             | 2449-08052                   | 00000/0000                 | 2-20026/1075     | 05/25/76            | 80              | 6813         | 58.2         | 84.7                               | FFFF                |                      | 187                   | 74                   |
| 02251E                                  | 1309N             | 2415-08021                   | 00000/0000                 | 2-20022/1094     | 03/12/76            | 60              | 5781         | 49.0         | 107.0                              | GGGG                |                      | 194                   | 45                   |
| 02251E                                  | 2008S             | 2392-07430                   | 00000/0000                 | 2-20022/1104     | 02/18/76            | 50              | 5460         | 46.2         | 86.2                               | PPPP                |                      | 192                   | 53                   |
| 02250E                                  | 5134N             | 2496-08397                   | 00000/0000                 | 2-20026/1057     | 06/01/76            | 90              | 6911         | 54.0         | 135.0                              | GGGG                |                      | 187                   | 74                   |
| 02250E                                  | 2141N             | 2561-08460                   | 00000/0000                 | 2-20033/1089     | 08/05/76            | 10              | 7817         | 54.8         | 91.2                               | GGGG                |                      | 201                   | 24                   |
| 02249E                                  | 7844N             | 2472-11232                   | 00000/0000                 | 2-20024/1041     | 05/08/76            | 0               | 6578         | 28.1         | 196.0                              | GGGG                |                      | 194                   | 45                   |
| 02249E                                  | 4415N             | 2445-08112                   | 00000/0000                 | 2-20023/1057     | 04/14/76            | 10              | 6242         | 33.6         | 157.0                              | GGGG                |                      | 230                   | 3                    |
| 02249E                                  | 5426N             | 2605-08412                   | 00000/0000                 | 2-20032/1450     | 09/14/76            | 30              | 8431         | 33.4         | 149.3                              | GFGG                |                      | 207                   | 15                   |
| 02249E                                  | 5422N             | 2551-08425                   | 00000/0000                 | 2-20030/1172     | 07/26/76            | 80              | 7678         | 49.0         | 137.6                              | GGGG                |                      | 202                   | 22                   |
| 02249E                                  | 5421N             | 2497-08442                   | 00000/0000                 | 2-20026/1032     | 06/02/76            | 90              | 6925         | 52.6         | 139.1                              | GFGG                |                      | 202                   | 22                   |
| 02249E                                  | 5419N             | 2515-08440                   | 00000/0000                 | 2-20026/1738     | 06/20/76            | 90              | 7176         | 53.4         | 136.8                              | GGGG                |                      | 202                   | 22                   |
| 02248E                                  | 5132N             | 2532-08387                   | 00000/0000                 | 2-20028/1070     | 07/07/76            | 40              | 7413         | 53.5         | 131.8                              | GGGG                |                      | 201                   | 24                   |
| 02248E                                  | 2957N             | 2379-08032                   | 00000/0000                 | 2-20027/1042     | 02/05/76            | 10              | 5279         | 42.7         | 123.1                              | GFGG                |                      | 192                   | 53                   |
| 02247E                                  | 7543N             | 2452-10274                   | 00000/0000                 | 2-20024/1261     | 04/23/76            | 10              | 6438         | 28.5         | 180.6                              | GGGG                |                      | 221                   | 6                    |
| 02247E                                  | 5419N             | 2633-08433                   | 00000/0000                 | 2-20022/1555     | 07/08/76            | 60              | 7427         | 52.0         | 136.2                              | GGGG                |                      | 202                   | 22                   |
| 02246E                                  | 7634N             | 2536-10354                   | 00000/0000                 | 2-20028/1190     | 07/11/76            | 50              | 7470         | 35.5         | 181.0                              | FFFF                |                      | 223                   | 5                    |
| 02246E                                  | 3421N             | 2423-08405                   | 00000/0000                 | 2-20034/1034     | 10/06/76            | 60              | 8682         | 27.2         | 153.0                              | GGGG                |                      | 202                   | 22                   |
| 02246E                                  | 5420N             | 2641-08401                   | 00000/0000                 | 2-20034/1055     | 10/24/76            | 30              | 8933         | 21.0         | 155.7                              | GGGG                |                      | 202                   | 22                   |
| 02245E                                  | 5419N             | 2659-08397                   | 00000/0000                 | 2-20036/1044     | 11/11/76            | 100             | 9184         | 15.5         | 157.0                              | GGGG                |                      | 202                   | 22                   |
| 02245E                                  | 3128N             | 2514-08397                   | 00000/0000                 | 2-20027/1041     | 06/12/76            | 40              | 7162         | 54.8         | 132.3                              | GGGG                |                      | 201                   | 24                   |
| 02245E                                  | 1551N             | 2398-08065                   | 00000/0000                 | 2-20021/1015     | 02/24/76            | 0               | 5544         | 43.8         | 121.1                              | GGFG                |                      | 193                   | 49                   |
| 02240E                                  | 6535N             | 2449-09154                   | 00000/0000                 | 2-20022/1795     | 04/15/76            | 10              | 6256         | 32.9         | 158.8                              | GGGG                |                      | 208                   | 14                   |
| 02239E                                  | 3843N             | 2463-08557                   | 00000/0000                 | 2-20024/1019     | 04/29/76            | 30              | 6451         | 42.7         | 149.5                              | GGGG                |                      | 204                   | 19                   |
| 02238E                                  | 7744N             | 2486-11003                   | 00000/0000                 | 2-20025/1064     | 05/22/76            | 20              | 6773         | 32.6         | 189.8                              | GGGG                |                      | 227                   | 4                    |
| 02237E                                  | 7648N             | 2465-10442                   | 00000/0000                 | 2-20024/1109     | 05/01/76            | 30              | 6480         | 28.3         | 185.1                              | GGGG                |                      | 223                   | 5                    |
| 02237E                                  | 3139N             | 2365-08201                   | 00000/0000                 | 2-20023/1048     | 01/22/76            | 90              | 5084         | 28.5         | 142.0                              | GGGG                |                      | 196                   | 38                   |
| 02236E                                  | 6224N             | 2519-08042                   | 00000/0000                 | 2-20022/1119     | 05/24/76            | 50              | 7232         | 48.2         | 149.4                              | GGGG                |                      | 206                   | 16                   |
| 02236E                                  | 3137N             | 2401-08192                   | 00000/0000                 | 2-20022/1005     | 02/27/76            | 10              | 5586         | 37.2         | 133.6                              | GGGG                |                      | 196                   | 38                   |
| 02236E                                  | 3135S             | 2372-07352                   | 00000/0000                 | 2-20020/1046     | 01/29/76            | 10              | 5181         | 45.9         | 83.7                               | GGGG                |                      | 185                   | 82                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANKS)=AND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 24, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR VN-VUS  
FROM 01/22/76 TO 01/22/77

PAGE 1169

| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRIGHT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02234E                      | 1257N | 239E-0759N | 00000/0000        | 2-20021/0398                 | 02/22/76                    | 30               | 5516                | 47.1             | 108.8        |              |                                    |                     |                      | 191                   | 58                   |
| 02233E                      | 1209N | 2429-1213N | 00000/0000        | 2-20024/0791                 | 06/04/76                    | 80               | 6955                | 31.2             | 208.9        |              | GGGG                               |                     |                      | 240                   | 1                    |
| 02232E                      | 1210N | 2553-1212N | 00000/0000        | 2-20030/0307                 | 07/28/76                    | 100              | 7708                | 27.8             | 206.1        |              | GGGG                               |                     |                      | 240                   | 1                    |
| 02230E                      | 1235N | 2412-0912N | 00000/0000        | 2-20021/1384                 | 03/09/76                    | 60               | 5740                | 19.7             | 156.8        |              | GGGG                               |                     |                      | 207                   | 15                   |
| 02230E                      | 0842N | 2415-0802N | 00000/0000        | 2-20022/0095                 | 03/12/76                    | 40               | 5781                | 49.1             | 105.3        |              | GGGG                               |                     |                      | 192                   | 54                   |
| 02229E                      | 0811N | 2409-0803N | 00000/0000        | 2-20024/0076                 | 05/25/76                    | 20               | 6813                | 57.8             | 82.4         |              | GGGG                               |                     |                      | 194                   | 46                   |
| 02229E                      | 0842N | 2397-0803N | 00000/0000        | 2-20021/0453                 | 02/23/76                    | 10               | 5530                | 45.9             | 114.4        |              | GGGG                               |                     |                      | 192                   | 54                   |
| 02228E                      | 0715N | 2561-0800N | 00000/0000        | 2-20030/0840                 | 08/05/76                    | 0                | 7817                | 54.6             | 89.1         |              | GGGG                               |                     |                      | 194                   | 46                   |
| 02227E                      | 0635N | 2538-0903N | 00000/0000        | 2-20028/1368                 | 07/13/76                    | 20               | 7497                | 45.4             | 151.0        |              | GGGG                               |                     |                      | 207                   | 15                   |
| 02225E                      | 0635N | 2520-0909N | 00000/0000        | 2-20028/0044                 | 06/25/76                    | 70               | 7246                | 47.2             | 151.5        |              | GGGG                               |                     |                      | 207                   | 15                   |
| 02224E                      | 1425N | 2330-0807N | 00000/0000        | 2-20021/0615                 | 02/24/76                    | 0                | 5544                | 44.4             | 119.7        |              | GGGG                               |                     |                      | 193                   | 50                   |
| 02222E                      | 1416N | 2380-0807N | 00000/0000        | 2-20020/1139                 | 02/06/76                    | 10               | 5293                | 41.0             | 126.4        |              | GGGG                               |                     |                      | 193                   | 50                   |
| 02221E                      | 0793N | 2409-1152N | 00000/0000        | 2-20024/0276                 | 04/25/76                    | 40               | 6397                | 23.0             | 202.5        |              | GGGG                               |                     |                      | 235                   | 2                    |
| 02221E                      | 0651N | 2539-0914N | 00000/0000        | 2-20028/1512                 | 07/14/76                    | 60               | 7511                | 44.4             | 153.2        |              | GGGG                               |                     |                      | 208                   | 14                   |
| 02221E                      | 0558N | 2462-0853N | 00000/0000        | 2-20024/0830                 | 04/28/76                    | 80               | 6437                | 44.3             | 146.2        |              | GGGG                               |                     |                      | 203                   | 21                   |
| 02218E                      | 0558N | 2444-0851N | 00000/0000        | 2-20022/1872                 | 04/10/76                    | 40               | 6186                | 38.1             | 147.7        |              | GGGG                               |                     |                      | 203                   | 21                   |
| 02217E                      | 0792N | 2548-1144N | 00000/0000        | 2-20030/0013                 | 07/23/76                    | 30               | 7638                | 30.1             | 198.5        |              | GGGG                               |                     |                      | 235                   | 2                    |
| 02217E                      | 0620N | 2450-0845N | 00000/0000        | 2-20024/0589                 | 04/26/76                    | 90               | 6409                | 47.2             | 139.7        |              | GGGG                               |                     |                      | 201                   | 25                   |
| 02216E                      | 0734N | 2430-1123N | 00000/0000        | 2-20025/0032                 | 05/26/76                    | 30               | 6809                | 32.2             | 195.5        |              | GGGG                               |                     |                      | 231                   | 3                    |
| 02215E                      | 0656N | 2408-0847N | 00000/0000        | 2-20032/0478                 | 09/01/76                    | 70               | 8194                | 38.1             | 146.8        |              | GGGG                               |                     |                      | 203                   | 21                   |
| 02215E                      | 0554N | 2480-0854N | 00000/0000        | 2-20025/0507                 | 05/16/76                    | 20               | 6688                | 49.1             | 143.8        |              | GGGG                               |                     |                      | 203                   | 21                   |
| 02215E                      | 1715N | 2403-0743N | 00000/0000        | 2-20025/0823                 | 05/19/76                    | 40               | 6729                | 35.6             | 48.7         |              | GGGG                               |                     |                      | 188                   | 72                   |
| 02214E                      | 0129N | 2396-0753N | 00000/0000        | 2-20021/0399                 | 02/22/76                    | 40               | 5516                | 47.3             | 107.2        |              | GGGG                               |                     |                      | 191                   | 59                   |
| 02213E                      | 0554N | 2552-0844N | 00000/0000        | 2-20030/0132                 | 07/27/76                    | 30               | 7692                | 48.0             | 139.8        |              | GGGG                               |                     |                      | 203                   | 21                   |
| 02213E                      | 0618N | 2565-0837N | 00000/0000        | 2-20030/1220                 | 08/12/76                    | 70               | 7915                | 47.3             | 135.5        |              | GGGG                               |                     |                      | 201                   | 25                   |
| 02212E                      | 0753N | 2435-1025N | 00000/0000        | 2-20026/1184                 | 06/03/76                    | 10               | 6940                | 36.8             | 179.4        |              | GGGG                               |                     |                      | 221                   | 6                    |
| 02212E                      | 0552N | 2636-0844N | 00000/0000        | 2-20032/1531                 | 09/19/76                    | 10               | 8445                | 32.0             | 150.8        |              | GGGG                               |                     |                      | 203                   | 21                   |
| 02212E                      | 0551N | 2426-0851N | 00000/0000        | 2-20022/0314                 | 03/23/76                    | 30               | 5935                | 31.3             | 148.7        |              | GGGG                               |                     |                      | 203                   | 21                   |
| 02212E                      | 0313N | 2355-0820N | 00000/0000        | 2-20020/0049                 | 01/22/76                    | 20               | 5084                | 29.4             | 141.2        |              | GGGG                               |                     |                      | 196                   | 39                   |
| 02210E                      | 0742N | 2558-1054N | 00000/0000        | 2-20030/0653                 | 08/02/76                    | 90               | 7777                | 29.9             | 186.2        |              | GGGG                               |                     |                      | 227                   | 4                    |
| 02210E                      | 0764N | 2483-1043N | 00000/0000        | 2-20025/0829                 | 05/19/76                    | 30               | 6731                | 33.1             | 184.7        |              | GGGG                               |                     |                      | 224                   | 5                    |
| 02210E                      | 0609N | 2496-0835N | 00000/0000        | 2-20026/0658                 | 06/01/76                    | 90               | 6911                | 54.8             | 132.8        |              | GGGG                               |                     |                      | 201                   | 25                   |
| 02210E                      | 0439N | 2580-0814N | 00000/0000        | 2-20030/1778                 | 08/24/76                    | 0                | 8062                | 53.5             | 105.5        |              | GGGG                               |                     |                      | 195                   | 43                   |
| 02210E                      | 0715N | 2415-0803N | 00000/0000        | 2-20022/0096                 | 03/12/76                    | 30               | 5781                | 49.3             | 103.6        |              | GGGG                               |                     |                      | 192                   | 55                   |
| 02209E                      | 0715N | 2397-0803N | 00000/0000        | 2-20021/0454                 | 02/23/76                    | 10               | 5530                | 46.3             | 112.9        |              | GGGG                               |                     |                      | 192                   | 55                   |

KEYS: CLOUD COVER : ..... 0 TO 100 = % CLOUD COVER,  
 IMAGE QUALITY ..... (BLANKS)=AND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 24, 1977

 LANDSAT-2  
 COORDINATE LISTING  
 FOR NON-US  
 FROM 1/22/76 TO 31/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SRRIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02208E                                  | 5541N             | 2515-08431                   | 00000/0000                  | 2-20027/0227     | 06/21/76            | 70              | 7190         | 52.6         | 138.8                              | GGFG                |                      | 203                   | 21                   |
| 02208E                                  | 5549N             | 2532-08397                   | 00000/0000                  | 2-20028/0871     | 07/07/76            | 90              | 7413         | 54.2         | 129.6                              | GGGG                |                      | 201                   | 25                   |
| 02208E                                  | 1714S             | 2627-07411                   | 00000/0000                  | 2-20034/0682     | 10/10/76            | 10              | 8737         | 50.3         | 79.5                               | GFGG                |                      | 188                   | 72                   |
| 02207E                                  | 5543N             | 2442-08453                   | 00000/0000                  | 2-20035/0160     | 10/25/76            | 30              | 8947         | 19.5         | 156.7                              | GGGG                |                      | 203                   | 21                   |
| 02206E                                  | 5541N             | 2660-08445                   | 00000/0000                  | 2-20036/0427     | 11/12/76            | 90              | 9198         | 14.1         | 157.8                              | FGGG                |                      | 203                   | 21                   |
| 02205E                                  | 5541N             | 2534-08444                   | 00000/0000                  | 2-20025/1117     | 07/09/76            | 90              | 7441         | 51.2         | 138.3                              | GGGG                |                      | 203                   | 21                   |
| 02205E                                  | 5543N             | 2514-08393                   | 00000/0000                  | 2-20027/0042     | 06/19/76            | 50              | 7162         | 55.5         | 130.0                              | GGGG                |                      | 201                   | 25                   |
| 02203E                                  | 2429N             | 2430-08154                   | 00000/0000                  | 2-20021/0727     | 02/25/76            | 100             | 5572         | 40.6         | 128.1                              | GFGG                |                      | 195                   | 43                   |
| 02203E                                  | 1300N             | 2338-08074                   | 00000/0000                  | 2-20021/0617     | 02/24/76            | 0               | 5544         | 44.8         | 118.3                              | GFGG                |                      | 193                   | 51                   |
| 02202E                                  | 7925N             | 2530-11443                   | 00000/0000                  | 2-20027/0773     | 07/05/76            | 10              | 7387         | 32.9         | 198.9                              | GGGG                |                      | 235                   | 2                    |
| 02201E                                  | 1250N             | 2332-08041                   | 00000/0000                  | 2-20020/1140     | 02/06/76            | 0               | 5293         | 41.6         | 125.2                              | GGGG                |                      | 193                   | 51                   |
| 02200E                                  | 7932N             | 2477-11513                   | 00000/0000                  | 2-20025/0288     | 05/13/76            | 30              | 6648         | 28.2         | 202.7                              | GGGG                |                      | 235                   | 2                    |
| 02159E                                  | 7737N             | 2514-11071                   | 00000/0000                  | 2-20024/1118     | 06/09/76            | 20              | 7024         | 35.3         | 188.3                              | GGGG                |                      | 227                   | 4                    |
| 02155E                                  | 0002N             | 2396-08000                   | 00000/0000                  | 2-20021/0400     | 02/22/76            | 40              | 5516         | 47.5         | 105.6                              | GGGG                |                      | 191                   | 60                   |
| 02154E                                  | 7640N             | 2555-10415                   | 00000/0000                  | 2-20030/0466     | 07/30/76            | 100             | 7735         | 31.8         | 181.2                              | GGGG                |                      | 224                   | 5                    |
| 02154E                                  | 1842S             | 2483-07454                   | 00000/0000                  | 2-20025/0824     | 05/19/76            | 30              | 6729         | 34.5         | 48.2                               | FGGG                |                      | 188                   | 73                   |
| 02150E                                  | 7751N             | 2469-11064                   | 00000/0000                  | 2-20024/1484     | 05/05/76            | 20              | 6536         | 28.3         | 190.4                              | GGGG                |                      | 227                   | 4                    |
| 02150E                                  | 0549N             | 2415-08033                   | 00000/0000                  | 2-20027/0097     | 03/12/76            | 30              | 5781         | 49.4         | 101.9                              | GGGG                |                      | 192                   | 56                   |
| 02149E                                  | 5711N             | 2482-12194                   | 00000/0000                  | 2-20025/0765     | 05/18/76            | 70              | 6718         | 28.3         | 210.1                              | GFGG                |                      | 240                   | 1                    |
| 02148E                                  | 1136N             | 2434-08070                   | 00000/0000                  | 2-20027/1059     | 03/31/76            | 70              | 6046         | 52.2         | 98.1                               | GFGG                |                      | 193                   | 52                   |
| 02148E                                  | 5027N             | 2535-12124                   | 00000/0000                  | 2-20029/0096     | 07/10/76            | 40              | 7457         | 31.2         | 206.1                              | GGGG                |                      | 240                   | 1                    |
| 02148E                                  | 7526N             | 2534-10204                   | 00000/0000                  | 2-20028/1121     | 07/09/76            | 90              | 7442         | 36.9         | 176.7                              | GGGG                |                      | 221                   | 6                    |
| 02148E                                  | 2846N             | 2365-08210                   | 00000/0000                  | 2-20020/0050     | 01/22/76            | 0               | 5084         | 30.4         | 140.4                              | GGGF                |                      | 196                   | 40                   |
| 02148E                                  | 0548N             | 2397-08040                   | 00000/0000                  | 2-20021/0455     | 02/23/76            | 10              | 5530         | 46.6         | 111.4                              | GGGF                |                      | 192                   | 56                   |
| 02147E                                  | 2312N             | 2550-08110                   | 00000/0000                  | 2-20030/1779     | 08/24/76            | 0               | 8082         | 53.7         | 103.4                              | FGGG                |                      | 195                   | 44                   |
| 02147E                                  | 1539S             | 2627-07414                   | 00000/0000                  | 2-20034/0683     | 10/10/76            | 10              | 8737         | 49.8         | 78.0                               | GGGG                |                      | 188                   | 73                   |
| 02145E                                  | 5720N             | 2463-08555                   | 00000/0000                  | 2-20024/1020     | 04/29/76            | 40              | 6451         | 43.7         | 147.8                              | GGGG                |                      | 204                   | 20                   |
| 02145E                                  | 1133N             | 2416-08073                   | 00000/0000                  | 2-20021/1532     | 03/13/76            | 70              | 5795         | 48.9         | 108.1                              | GFGG                |                      | 193                   | 52                   |
| 02144E                                  | 4038N             | 2541-12463                   | 00000/0000                  | 2-20028/1587     | 07/16/76            | 10              | 7541         | 29.2         | 214.5                              | GGGG                |                      | 228                   | 248                  |
| 02143E                                  | 7637N             | 2501-10432                   | 00000/0000                  | 2-20027/0204     | 06/06/76            | 30              | 6982         | 36.1         | 183.5                              | GGGG                |                      | 224                   | 5                    |
| 02143E                                  | 1133N             | 2398-08030                   | 00000/0000                  | 2-20021/0618     | 02/24/76            | 0               | 5544         | 45.3         | 116.9                              | GGGG                |                      | 193                   | 52                   |
| 02141E                                  | 5715N             | 2481-08552                   | 00000/0000                  | 2-20025/0898     | 05/17/76            | 10              | 6702         | 48.4         | 145.7                              | GGGG                |                      | 204                   | 20                   |
| 02141E                                  | 7028S             | 2392-08144                   | 00000/0000                  | 2-20020/1681     | 02/18/76            | 70              | 5459         | 18.4         | 73.1                               | GFGG                |                      | 169                   | 110                  |
| 02140E                                  | 2303N             | 2430-08161                   | 00000/0000                  | 2-20021/0728     | 02/24/76            | 90              | 5572         | 41.3         | 126.9                              | GGFG                |                      | 195                   | 44                   |
| 02140E                                  | 1124N             | 2350-08063                   | 00000/0000                  | 2-20020/1141     | 02/06/76            | 10              | 5293         | 42.3         | 124.0                              | GGGG                |                      | 193                   | 52                   |

KEYS: CLOUD COVER % ..... U TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

 LANDSAT-2  
 COORDINATE LISTING  
 FOR NON-US

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FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02139E 5717N                            | 2571-08530        | 00000/0000 2-20030/1585                            | 08/15/76         | 60                  | 7957            | 42.4         | 144.8        | GGGG                               |                     |                      | 204                   | 20                   |
| 02138E 4855N                            | 2460-08411        | 00000/0000 2-20024/0590                            | 04/26/76         | 60                  | 6409            | 48.1         | 138.0        | FGFG                               |                     |                      | 201                   | 26                   |
| 02137E 7848N                            | 2455-11294        | 00000/0000 2-20024/0308                            | 04/21/76         | 40                  | 6341            | 22.8         | 195.6        | FGGG                               |                     |                      | 231                   | 3                    |
| 02136E 5713N                            | 2553-08533        | 00000/0000 2-20030/0350                            | 07/28/76         | 60                  | 7706            | 47.0         | 141.9        | GGGG                               |                     |                      | 204                   | 20                   |
| 02135E 4854N                            | 2568-08382        | 00000/0000 2-20030/1201                            | 08/12/76         | 60                  | 7915            | 48.0         | 133.7        | FGGG                               |                     |                      | 201                   | 26                   |
| 02135E 0122S                            | 2396-08002        | 00000/0000 2-20021/0401                            | 02/22/76         | 60                  | 5516            | 47.6         | 104.1        | GGGG                               |                     |                      | 191                   | 61                   |
| 02134E 6253N                            | 2448-09115        | 00000/0000 2-20023/0168                            | 04/14/76         | 10                  | 6242            | 34.6         | 155.3        | GGGF                               |                     |                      | 207                   | 16                   |
| 02134E 5709N                            | 2499-08550        | 00000/0000 2-20026/0783                            | 06/04/76         | 20                  | 6953            | 51.1         | 143.1        | GGGG                               |                     |                      | 204                   | 20                   |
| 02133E 5434N                            | 2462-08510        | 00000/0000 2-20024/0809                            | 04/28/76         | 90                  | 6437            | 45.2         | 144.5        | GGGG                               |                     |                      | 203                   | 22                   |
| 02132E 2008S                            | 2483-07460        | 00000/0000 2-20025/0825                            | 05/19/76         | 0                   | 6729            | 33.4         | 47.6         | FGGG                               |                     |                      | 188                   | 74                   |
| 02131E 5706N                            | 2535-08540        | 00000/0000 2-20029/0001                            | 07/10/76         | 90                  | 7455            | 50.2         | 140.4        | GGGG                               |                     |                      | 204                   | 20                   |
| 02131E 4845N                            | 2496-08402        | 00000/0000 2-20026/0659                            | 06/01/76         | 90                  | 6911            | 55.4         | 130.5        | GGGG                               |                     |                      | 201                   | 26                   |
| 02130E 7929N                            | 2477-11514        | 2-20027/0584 00000/0000                            | 05/13/76         | 10                  | 6648            | 28.3         | 202.2        | GGG                                |                     |                      | 235                   | 2                    |
| 02130E 5703N                            | 2517-08543        | 00000/0000 2-20027/0317                            | 06/22/76         | 20                  | 7204            | 51.8         | 140.9        | GGGG                               |                     |                      | 204                   | 20                   |
| 02129E 4844N                            | 2532-08392        | 00000/0000 2-20024/0872                            | 07/07/76         | 50                  | 7413            | 54.8         | 127.4        | GGGG                               |                     |                      | 201                   | 26                   |
| 02129E 1010N                            | 2434-08072        | 00000/0000 2-20022/1060                            | 03/31/76         | 60                  | 6046            | 52.2         | 96.2         | GGGG                               |                     |                      | 193                   | 53                   |
| 02128E 7834N                            | 2508-11223        | 00000/0000 2-20026/1434                            | 06/13/76         | 60                  | 7080            | 34.4         | 193.7        | GGGG                               |                     |                      | 231                   | 3                    |
| 02128E 5434N                            | 2588-08473        | 00000/0000 2-20032/0479                            | 09/01/76         | 80                  | 8194            | 39.0         | 145.3        | GGGG                               |                     |                      | 203                   | 22                   |
| 02128E 4839N                            | 2514-08395        | 00000/0000 2-20026/1848                            | 06/19/76         | 10                  | 7162            | 56.1         | 127.7        | GGGG                               |                     |                      | 201                   | 26                   |
| 02128E 0422N                            | 2397-08043        | 00000/0000 2-20021/0456                            | 02/23/76         | 10                  | 5530            | 46.9         | 109.8        | GGFG                               |                     |                      | 192                   | 57                   |
| 02127E 5425N                            | 2480-08503        | 00000/0000 2-20025/0508                            | 05/16/76         | 80                  | 6688            | 49.9         | 141.9        | GGGG                               |                     |                      | 203                   | 22                   |
| 02127E 2003S                            | 2645-07412        | 00000/0000 2-20035/0108                            | 10/28/76         | 30                  | 8988            | 52.0         | 85.8         | GGGG                               |                     |                      | 188                   | 74                   |
| 02126E 5424N                            | 2552-08484        | 00000/0000 2-20030/1193                            | 07/27/76         | 40                  | 7692            | 48.8         | 137.8        | GGGG                               |                     |                      | 203                   | 22                   |
| 02126E 2006S                            | 2627-07420        | 00000/0000 2-20034/0684                            | 10/10/76         | 0                   | 8737            | 49.2         | 76.5         | GGGG                               |                     |                      | 188                   | 74                   |
| 02125E 2146N                            | 2580-08113        | 00000/0000 2-20030/1780                            | 08/24/76         | 0                   | 8082            | 53.7         | 101.3        | FGGG                               |                     |                      | 195                   | 45                   |
| 02124E 7835N                            | 2544-11217        | 00000/0000 2-20029/0021                            | 07/19/76         | 80                  | 7582            | 32.0         | 191.7        | GGGG                               |                     |                      | 231                   | 3                    |
| 02124E 5428N                            | 2606-08470        | 00000/0000 2-20032/1532                            | 09/19/76         | 50                  | 8445            | 33.0         | 149.5        | GGGG                               |                     |                      | 203                   | 22                   |
| 02124E 2720N                            | 2365-08212        | 00000/0000 2-20020/0051                            | 01/22/76         | 0                   | 5084            | 31.3         | 139.6        | FGFF                               |                     |                      | 196                   | 41                   |
| 02124E 1007N                            | 2416-08080        | 00000/0000 2-20021/1533                            | 03/13/76         | 90                  | 5795            | 49.2         | 106.4        | GFFF                               |                     |                      | 193                   | 53                   |
| 02123E 7635N                            | 2537-10423        | 00000/0000 2-20028/1815                            | 07/12/76         | 50                  | 7484            | 35.4         | 181.1        | FFFP                               |                     |                      | 224                   | 5                    |
| 02122E 7846N                            | 2473-11291        | 00000/0000 2-20025/0064                            | 05/09/76         | 30                  | 6592            | 28.3         | 196.2        | GGGG                               |                     |                      | 231                   | 3                    |
| 02122E 7542N                            | 2463-10332        | 00000/0000 2-20024/0990                            | 04/29/76         | 60                  | 6432            | 28.9         | 180.6        | GGGG                               |                     |                      | 222                   | 6                    |
| 02122E 1006N                            | 2398-08083        | 00000/0000 2-20021/0619                            | 02/24/76         | 0                   | 5544            | 45.7         | 115.4        | GGGG                               |                     |                      | 193                   | 53                   |
| 02120E 5420N                            | 2642-08455        | 00000/0000 2-20035/0161                            | 10/25/76         | 30                  | 8947            | 20.6         | 155.8        | GGGG                               |                     |                      | 203                   | 22                   |
| 02120E 5417N                            | 2516-08494        | 00000/0000 2-20027/0228                            | 06/21/76         | 70                  | 7190            | 53.3         | 136.6        | FGGG                               |                     |                      | 203                   | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 02119E 5418N                | 2624-08463        | 00000/0000 2-20034/0433                 | 10/07/76         | 90                  | 8696            | 26.8         | 153.1        | GGGG                  |                     |                      |                       |                      |
| 02119E 5417N                | 2534-08491        | 00000/0000 2-20024/1118                 | 07/09/76         | 90                  | 7441            | 51.9         | 136.1        | GGGG                  |                     |                      | 203                   | 22                   |
| 02119E 5417N                | 2660-08451        | 00000/0000 2-20036/0428                 | 11/12/76         | 90                  | 9198            | 15.2         | 157.0        | GGGG                  |                     |                      | 203                   | 22                   |
| 02119E 0958N                | 2380-08090        | 00000/0000 2-20020/1142                 | 02/06/76         | 60                  | 5293            | 42.8         | 122.7        | GGGG                  |                     |                      | 203                   | 22                   |
| 02118E 2137N                | 2400-08163        | 00000/0000 2-20021/0729                 | 02/26/76         | 30                  | 5572            | 42.0         | 125.6        | GGGG                  |                     |                      | 193                   | 53                   |
| 02116E 6234N                | 2412-09130        | 00000/0000 2-20021/1385                 | 03/09/76         | 60                  | 5740            | 20.8         | 155.4        | GGGG                  |                     |                      | 195                   | 45                   |
| 02115E 0248S                | 2396-08005        | 00000/0000 2-20021/0402                 | 02/22/76         | 20                  | 5516            | 47.7         | 102.5        | FGGG                  |                     |                      | 207                   | 16                   |
| 02114E 7929N                | 2495-11511        | 00000/0000 2-20026/0553                 | 05/31/76         | 40                  | 6899            | 31.9         | 201.6        | GGGG                  |                     |                      | 191                   | 62                   |
| 02114E 7651N                | 2466-10500        | 00000/0000 2-20024/1184                 | 05/02/76         | 70                  | 6494            | 28.6         | 185.2        | GGGG                  |                     |                      | 236                   | 2                    |
| 02112E 6232N                | 2520-09100        | 00000/0000 2-20024/0045                 | 06/25/76         | 30                  | 7246            | 48.2         | 149.3        | GGGG                  |                     |                      | 224                   | 5                    |
| 02111E 3139N                | 2402-08250        | 00000/0000 2-20021/0825                 | 02/28/76         | 50                  | 5600            | 37.5         | 133.3        | GGGG                  |                     |                      | 207                   | 16                   |
| 02109E 8009N                | 2500-12192        | 00000/0000 2-20026/0821                 | 06/05/76         | 20                  | 6969            | 31.4         | 208.8        | GGGG                  |                     |                      | 197                   | 38                   |
| 02108E 7743N                | 2487-11062        | 00000/0000 2-20025/1115                 | 05/23/76         | 90                  | 6787            | 32.8         | 189.7        | GGGG                  |                     |                      | 241                   | 1                    |
| 02108E 0843N                | 2434-08075        | 00000/0000 2-20022/1061                 | 03/31/76         | 50                  | 6046            | 52.1         | 94.3         | GGGG                  |                     |                      | 228                   | 4                    |
| 02108E 0255N                | 2397-08045        | 00000/0000 2-20021/0457                 | 02/23/76         | 20                  | 5530            | 47.2         | 108.3        | GGGG                  |                     |                      | 193                   | 54                   |
| 02107E 8016N                | 2465-12255        | 00000/0000 2-20024/1110                 | 05/01/76         | 40                  | 6481            | 23.7         | 210.3        | GGGG                  |                     |                      | 192                   | 58                   |
| 02102E 6358N                | 2539-09145        | 00000/0000 2-20028/1513                 | 07/14/76         | 30                  | 7511            | 45.3         | 151.0        | GGGG                  |                     |                      | 241                   | 1                    |
| 02102E 0840N                | 2398-08085        | 00000/0000 2-20021/0620                 | 02/24/76         | 0                   | 5544            | 46.1         | 113.9        | FFPF                  |                     |                      | 208                   | 15                   |
| 02101E 7538N                | 2481-10325        | 00000/0000 2-20025/0724                 | 05/17/76         | 90                  | 6703            | 33.8         | 180.5        | GGGG                  |                     |                      | 193                   | 54                   |
| 02101E 6520N                | 2414-09233        | 00000/0000 2-20021/1476                 | 03/11/76         | 30                  | 5768            | 19.4         | 158.3        | GGGG                  |                     |                      | 222                   | 6                    |
| 02101E 2554N                | 2365-08215        | 00000/0000 2-20020/0052                 | 01/22/76         | 0                   | 5084            | 32.2         | 138.8        | GGGG                  |                     |                      | 209                   | 14                   |
| 02059E 0832N                | 2380-08092        | 00000/0000 2-20020/1143                 | 02/06/76         | 30                  | 5293            | 43.4         | 121.4        | GGGG                  |                     |                      | 196                   | 42                   |
| 02056E 2012N                | 2400-08170        | 00000/0000 2-20021/0730                 | 02/26/76         | 0                   | 5572            | 42.6         | 124.3        | GGGG                  |                     |                      | 193                   | 54                   |
| 02054E 7743N                | 2559-11042        | 00000/0000 2-20030/0740                 | 08/03/76         | 30                  | 7791            | 29.6         | 186.3        | GGGG                  |                     |                      | 195                   | 46                   |
| 02054E 5556N                | 2463-08562        | 00000/0000 2-20024/1021                 | 04/29/76         | 40                  | 6451            | 44.6         | 146.1        | GGGG                  |                     |                      | 228                   | 4                    |
| 02052E 0127N                | 2523-08015        | 00000/0000 2-20028/0332                 | 06/28/76         | 30                  | 7287            | 46.0         | 57.1         | GGGG                  |                     |                      | 204                   | 21                   |
| 02051E 8009N                | 2536-12182        | 00000/0000 2-20028/1193                 | 07/11/76         | 90                  | 7471            | 31.0         | 206.2        | GGGG                  |                     |                      | 192                   | 59                   |
| 02050E 5551N                | 2481-08555        | 00000/0000 2-20025/0899                 | 05/17/76         | 10                  | 6702            | 49.3         | 143.7        | GGGG                  |                     |                      | 241                   | 1                    |
| 02049E 0128N                | 2397-08052        | 00000/0000 2-20021/0458                 | 02/23/76         | 70                  | 5530            | 47.4         | 106.7        | GGGG                  |                     |                      | 204                   | 21                   |
| 02048E 5554N                | 2571-08532        | 00000/0000 2-20030/1586                 | 08/15/76         | 50                  | 7957            | 43.2         | 143.1        | GGGG                  |                     |                      | 192                   | 59                   |
| 02048E 0716N                | 2434-08081        | 00000/0000 2-20022/1062                 | 03/31/76         | 80                  | 3046            | 51.9         | 92.4         | GGGG                  |                     |                      | 204                   | 21                   |
| 02047E 7839N                | 2491-11284        | 00000/0000 2-20026/0284                 | 05/27/76         | 70                  | 6843            | 32.4         | 195.3        | GGGG                  |                     |                      | 193                   | 55                   |
| 02046E 5550N                | 2553-08535        | 00000/0000 2-20030/0351                 | 07/28/76         | 80                  | 7706            | 47.8         | 139.9        | GGGG                  |                     |                      | 232                   | 3                    |
| 02046E 3013N                | 2402-08253        | 00000/0000 2-20021/0826                 | 02/28/76         | 70                  | 5600            | 38.3         | 132.2        | GGGG                  |                     |                      | 204                   | 21                   |
| 02045E 7534N                | 2553-10305        | 00000/0000 2-20030/0306                 | 07/28/76         | 90                  | 7707            | 33.3         | 176.7        | GGGG                  |                     |                      | 197                   | 39                   |
|                             |                   |                                         |                  |                     |                 |              |              |                       |                     |                      | 222                   | 6                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

 LANDSAT-2  
 COORDINATE LISTING  
 FOR NON-UIS

PAGE 1173

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 02044E                      | 5547N             | 2499-08552            | 00000/0000           | 2-20026/0784     | 06/04/76            | 30              | 6953         | 52.0         | 141.0                 | GGGG                |                      | 204                   | 21                   |
| 02043E                      | 7641N             | 2484-10493            | 00000/0000           | 2-20025/0957     | 05/20/76            | 30              | 6745         | 33.3         | 184.7                 | GGGG                |                      | 225                   | 5                    |
| 02043E                      | 7533N             | 2499-10322            | 00000/0000           | 2-20026/0790     | 06/04/76            | 80              | 6954         | 37.0         | 179.3                 | GGGG                |                      | 222                   | 6                    |
| 02042E                      | 0714N             | 2398-08092            | 00000/0000           | 2-20021/0621     | 02/24/76            | 10              | 5544         | 46.5         | 112.4                 | FFGG                |                      | 193                   | 55                   |
| 02040E                      | 5539N             | 2517-08550            | 00000/0000           | 2-20027/0318     | 06/22/76            | 20              | 7204         | 52.6         | 133.7                 | GGGG                |                      | 204                   | 21                   |
| 02039E                      | 0705N             | 2380-08095            | 00000/0000           | 2-20020/1144     | 02/06/76            | 40              | 5293         | 44.0         | 120.1                 | GGGG                |                      | 193                   | 55                   |
| 02038E                      | 2428N             | 2365-08221            | 00000/0000           | 2-20020/0053     | 01/22/76            | 0               | 5084         | 33.2         | 138.0                 | GGGG                |                      | 196                   | 43                   |
| 02035E                      | 7740N             | 2505-11055            | 00000/0000           | 2-20024/1659     | 06/10/76            | 90              | 7038         | 35.3         | 188.3                 | GGGG                |                      | 228                   | 4                    |
| 02034E                      | 7926N             | 2549-11434            | 00000/0000           | 2-20030/0072     | 07/24/76            | 30              | 7652         | 29.9         | 198.3                 | GGGG                |                      | 236                   | 2                    |
| 02034E                      | 1845N             | 2400-08172            | 00000/0000           | 2-20021/0731     | 02/26/76            | 0               | 5572         | 43.2         | 123.0                 | GGGG                |                      | 195                   | 47                   |
| 02032E                      | 0070N             | 2523-08021            | 00000/0000           | 2-20028/0333     | 06/28/76            | 40              | 7287         | 45.0         | 56.0                  | GGGG                |                      | 192                   | 60                   |
| 02031E                      | 7738N             | 2541-11045            | 00000/0000           | 2-20028/1584     | 07/16/76            | 50              | 7540         | 33.6         | 186.1                 | FFGG                |                      | 228                   | 4                    |
| 02023E                      | 7924N             | 2531-11501            | 00000/0000           | 2-20028/0932     | 07/06/76            | 50              | 7401         | 32.8         | 198.7                 | GGGG                |                      | 236                   | 2                    |
| 02022E                      | 7931N             | 2478-11572            | 00000/0000           | 2-20025/0375     | 05/14/76            | 10              | 6662         | 28.5         | 202.6                 | GGGG                |                      | 236                   | 2                    |
| 02022E                      | 2847N             | 2366-08244            | 00000/0000           | 2-20027/0242     | 11/23/76            | 10              | 5098         | 30.5         | 140.2                 | GGGG                |                      | 197                   | 40                   |
| 02022E                      | 2306N             | 2473-08134            | 00000/0000           | 2-20024/1775     | 05/09/76            | 0               | 6590         | 57.9         | 93.9                  | GGGG                |                      | 196                   | 44                   |
| 02022E                      | 0547N             | 2398-08094            | 00000/0000           | 2-20021/0622     | 02/24/76            | 10              | 5544         | 46.8         | 110.8                 | GGGG                |                      | 193                   | 56                   |
| 02021E                      | 2307N             | 2563-08172            | 00000/0000           | 2-20030/0711     | 08/07/76            | 0               | 7845         | 54.9         | 94.3                  | GGGG                |                      | 196                   | 44                   |
| 02020E                      | 7636N             | 2502-10491            | 00000/0000           | 2-20026/0931     | 06/07/76            | 20              | 6996         | 36.2         | 183.4                 | GGGG                |                      | 225                   | 5                    |
| 02020E                      | 7527N             | 2535-10313            | 00000/0000           | 2-20029/0005     | 07/10/76            | 60              | 7456         | 36.7         | 176.7                 | GGGG                |                      | 222                   | 6                    |
| 02017E                      | 7021S             | 2375-06205            | 00000/0000           | 2-20020/0804     | 02/01/76            | 40              | 5222         | 23.7         | 74.7                  | GGGG                |                      | 170                   | 110                  |
| 02015E                      | 2302N             | 2365-08224            | 00000/0000           | 2-20020/0054     | 01/22/76            | 0               | 5084         | 34.0         | 137.1                 | GGGG                |                      | 196                   | 44                   |
| 02014E                      | 8011N             | 2483-12253            | 00000/0000           | 2-20025/0831     | 05/19/76            | 90              | 6732         | 28.5         | 209.9                 | GGGG                |                      | 241                   | 1                    |
| 02013E                      | 1718N             | 2400-08175            | 00000/0000           | 2-20021/0732     | 02/26/76            | 0               | 5572         | 43.8         | 121.7                 | GGGG                |                      | 195                   | 48                   |
| 02012E                      | 0125S             | 2523-08024            | 00000/0000           | 2-20028/0334     | 06/28/76            | 10              | 7287         | 44.0         | 55.0                  | GGGG                |                      | 192                   | 61                   |
| 02006E                      | 7748N             | 2470-11123            | 00000/0000           | 2-20024/1754     | 05/06/76            | 70              | 6550         | 28.7         | 190.1                 | GGGG                |                      | 228                   | 4                    |
| 02006E                      | 5433N             | 2463-08554            | 00000/0000           | 2-20024/1022     | 04/29/76            | 50              | 6451         | 45.5         | 144.4                 | GGGG                |                      | 204                   | 22                   |
| 02005E                      | 8038N             | 2542-12521            | 00000/0000           | 2-20028/1745     | 07/17/76            | 70              | 7555         | 29.0         | 214.3                 | GGGG                |                      | 229                   | 248                  |
| 02005E                      | 7846N             | 2456-11352            | 00000/0000           | 2-20024/0324     | 04/22/76            | 20              | 6355         | 23.2         | 195.5                 | GGGG                |                      | 232                   | 3                    |
| 02002E                      | 7544N             | 2464-10390            | 00000/0000           | 2-20024/1212     | 04/30/76            | 70              | 6466         | 29.2         | 180.7                 | GGGG                |                      | 222                   | 6                    |
| 02002E                      | 5433N             | 2589-08530            | 00000/0000           | 2-20032/0466     | 09/02/76            | 30              | 8208         | 38.7         | 145.6                 | GGGG                |                      | 204                   | 22                   |
| 02002E                      | 5428N             | 2481-08561            | 00000/0000           | 2-20025/0900     | 05/17/76            | 10              | 6702         | 50.1         | 141.8                 | GGGG                |                      | 204                   | 22                   |
| 02002E                      | 0420N             | 2398-08131            | 00000/0000           | 2-20021/0623     | 02/24/76            | 50              | 5544         | 47.1         | 109.3                 | GGGG                |                      | 193                   | 57                   |
| 02000E                      | 5430N             | 2571-08535            | 00000/0000           | 2-20030/1537     | 08/15/76            | 50              | 7957         | 44.1         | 141.4                 | GGGG                |                      | 204                   | 22                   |
| 02000E                      | 2140N             | 2473-08201            | 00000/0000           | 2-20024/1776     | 05/09/76            | 0               | 6590         | 57.7         | 91.5                  | GGGG                |                      | 196                   | 45                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR RBV-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 02000E                      | 1008N             | 2417-08134            | 00000/0000           | 2-20021/1620     | 03/14/76            | 20              | 5809         | 49.3         | 105.9                 | G GG                |                      | 194                   | 53                   |
| 01959E                      | 2141N             | 2563-08174            | 00000/0000           | 2-20030/0712     | 08/07/76            | 20              | 7845         | 54.7         | 92.2                  | GGGG                |                      | 196                   | 45                   |
| 01958E                      | 5427N             | 2553-08542            | 00000/0000           | 2-20030/0352     | 07/28/76            | 90              | 7706         | 48.6         | 138.0                 | GGGG                |                      | 204                   | 22                   |
| 01958E                      | 2721N             | 2366-08271            | 00000/0000           | 2-20020/0243     | 01/23/76            | 10              | 5098         | 31.5         | 139.4                 | GGGG                |                      | 197                   | 41                   |
| 01958E                      | 1009N             | 2399-08141            | 00000/0000           | 2-20021/0559     | 02/25/76            | 40              | 5558         | 45.9         | 115.0                 | GGGG                |                      | 194                   | 53                   |
| 01957E                      | 5423N             | 2499-08555            | 00000/0000           | 2-20026/0785     | 06/04/76            | 10              | 6953         | 52.8         | 138.8                 | GGGG                |                      | 204                   | 22                   |
| 01956E                      | 5426N             | 2607-08525            | 00000/0000           | 2-20032/1592     | 09/20/76            | 0               | 8459         | 32.7         | 149.7                 | G GG                |                      | 204                   | 22                   |
| 01955E                      | 2137N             | 2401-08222            | 00000/0000           | 2-20022/0006     | 02/27/76            | 80              | 5586         | 42.2         | 125.2                 | GGGF                |                      | 196                   | 45                   |
| 01954E                      | 5423N             | 2625-08521            | 00000/0000           | 2-20034/0337     | 10/08/76            | 70              | 8710         | 26.4         | 153.4                 | G                   |                      | 204                   | 22                   |
| 01954E                      | 5419N             | 2643-08513            | 00000/0000           | 2-20035/0070     | 10/26/76            | 10              | 8961         | 20.3         | 155.9                 | FGGG                |                      | 204                   | 22                   |
| 01953E                      | 7843N             | 2474-11345            | 00000/0000           | 2-20025/0125     | 05/10/76            | 80              | 6606         | 28.6         | 196.1                 | GGGG                |                      | 232                   | 3                    |
| 01953E                      | 5419N             | 2535-08545            | 00000/0000           | 2-20029/0002     | 07/10/76            | 90              | 7455         | 51.8         | 136.2                 | GGGG                |                      | 204                   | 22                   |
| 01953E                      | 5416N             | 2517-08552            | 00000/0000           | 2-20027/0319     | 06/22/76            | 80              | 7204         | 53.3         | 136.5                 | GGGG                |                      | 204                   | 22                   |
| 01952E                      | 1552N             | 2400-08181            | 00000/0000           | 2-20021/0733     | 02/26/76            | 0               | 5572         | 44.3         | 120.3                 | GGGG                |                      | 195                   | 49                   |
| 01952E                      | 0252S             | 2523-08030            | 00000/0000           | 2-20024/0335     | 06/28/76            | 10              | 7287         | 43.0         | 54.0                  | GGGG                |                      | 192                   | 62                   |
| 01950E                      | 5417N             | 2661-08505            | 00000/0000           | 2-20036/0925     | 11/13/76            | 90              | 9212         | 14.9         | 157.0                 | GGGG                |                      | 204                   | 22                   |
| 01948E                      | 8010N             | 2555-12233            | 00000/0000           | 2-20030/0467     | 07/30/76            | 90              | 7736         | 27.3         | 206.2                 | GGGG                |                      | 242                   | 1                    |
| 01948E                      | 6236N             | 2539-09151            | 00000/0000           | 2-20028/1514     | 07/14/76            | 40              | 7511         | 46.2         | 148.8                 | GGGG                |                      | 208                   | 16                   |
| 01945E                      | 7650N             | 2467-10554            | 00000/0000           | 2-20024/1297     | 05/03/76            | 50              | 6508         | 23.9         | 185.2                 | GGGG                |                      | 225                   | 5                    |
| 01944E                      | 7927N             | 2496-11565            | 00000/0000           | 2-20026/0528     | 06/01/76            | 10              | 6913         | 32.0         | 201.5                 | GGGG                |                      | 237                   | 2                    |
| 01944E                      | 3137N             | 2403-08335            | 00000/0000           | 2-20021/0882     | 02/29/76            | 10              | 5614         | 37.9         | 133.0                 | GGF                 |                      | 198                   | 38                   |
| 01944E                      | 3136N             | 2367-08314            | 00000/0000           | 2-20020/0400     | 01/24/76            | 40              | 5112         | 28.8         | 141.6                 | FGFG                |                      | 198                   | 38                   |
| 01942E                      | 0253N             | 2398-08103            | 00000/0000           | 2-20021/0624     | 02/24/76            | 50              | 5544         | 47.3         | 107.7                 | PFPF                |                      | 193                   | 58                   |
| 01941E                      | 6359N             | 2414-09240            | 00000/0000           | 2-20021/1477     | 03/11/76            | 20              | 5768         | 20.5         | 156.8                 | GGGG                |                      | 209                   | 15                   |
| 01938E                      | 0843N             | 2399-08144            | 00000/0000           | 2-20021/0560     | 02/25/76            | 40              | 5558         | 46.3         | 113.5                 | GGFG                |                      | 194                   | 54                   |
| 01934E                      | 2555N             | 2366-08273            | 00000/0000           | 2-20020/0244     | 01/23/76            | 30              | 5098         | 32.4         | 138.6                 | GGGG                |                      | 197                   | 42                   |
| 01933E                      | 7935N             | 2461-12033            | 00000/0000           | 2-20024/0672     | 04/27/76            | 70              | 6425         | 23.7         | 202.6                 | PPPP                |                      | 237                   | 2                    |
| 01932E                      | 1425N             | 2400-08184            | 00000/0000           | 2-20021/0734     | 02/26/76            | 0               | 5572         | 44.8         | 118.9                 | GGGG                |                      | 195                   | 50                   |
| 01931E                      | 7743N             | 2488-11120            | 00000/0000           | 2-20026/0013     | 05/24/76            | 90              | 6801         | 33.0         | 189.6                 | GGGG                |                      | 229                   | 4                    |
| 01931E                      | 2010N             | 2365-08233            | 00000/0000           | 2-20020/0055     | 01/22/76            | 10              | 5084         | 35.8         | 135.2                 | FGGF                |                      | 196                   | 46                   |
| 01925E                      | 7144S             | 2392-06151            | 00000/0000           | 2-20020/1682     | 02/18/76            | 50              | 5459         | 17.4         | 74.9                  | GFFG                |                      | 169                   | 111                  |
| 01922E                      | 7644N             | 2465-10552            | 00000/0000           | 2-20025/1010     | 05/21/76            | 70              | 6759         | 33.5         | 184.8                 | GGGG                |                      | 226                   | 5                    |
| 01919E                      | 3011N             | 2367-08320            | 00000/0000           | 2-20020/0401     | 01/24/76            | 10              | 5112         | 29.8         | 140.8                 | GFFF                |                      | 198                   | 39                   |
| 01917E                      | 2435N             | 2564-08223            | 00000/0000           | 2-20030/0976     | 03/03/76            | 0               | 7859         | 54.9         | 97.0                  | GGGG                |                      | 197                   | 43                   |
| 01917E                      | 0716N             | 2399-08150            | 00000/0000           | 2-20021/0561     | 02/25/76            | 10              | 5558         | 46.6         | 111.9                 | GFGG                |                      | 194                   | 55                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01916E 2429N                            | 2492-08243        | 00000/0000                   | 2-20026/0351                | 05/28/76         | 40                  | 6855            | 58.8         | 88.6         | GGGG                               |                     |                      | 197                   | 43                   |
| 01913E 7838N                            | 2492-11343        | 00000/0000                   | 2-20026/0363                | 05/28/76         | 40                  | 6857            | 32.6         | 195.2        | GGGG                               |                     |                      | 233                   | 3                    |
| 01911E 7531N                            | 2500-10381        | 00000/0000                   | 2-20026/0820                | 06/05/76         | 50                  | 6968            | 37.1         | 179.2        | GGGG                               |                     |                      | 223                   | 6                    |
| 01911E 2429N                            | 2366-08240        | 00000/0000                   | 2-20020/0245                | 01/23/76         | 10                  | 5098            | 33.3         | 137.7        | FGGG                               |                     |                      | 197                   | 43                   |
| 01911E 1259N                            | 2400-08190        | 00000/0000                   | 2-20021/0735                | 02/26/76         | 0                   | 5572            | 45.3         | 117.4        | GGGG                               |                     |                      | 195                   | 51                   |
| 01909E 1844N                            | 2365-08235        | 00000/0000                   | 2-20020/0056                | 01/22/76         | 0                   | 5084            | 36.6         | 134.3        | FGGF                               |                     |                      | 196                   | 47                   |
| 01905E 8012N                            | 2484-12311        | 00000/0000                   | 2-20025/0959                | 05/20/76         | 60                  | 6746            | 28.7         | 210.2        | GGGG                               |                     |                      | 242                   | 1                    |
| 01905E 8007N                            | 2537-12240        | 00000/0000                   | 2-20028/1262                | 07/12/76         | 60                  | 7485            | 30.9         | 206.1        | GGGG                               |                     |                      | 242                   | 1                    |
| 01902E 7739N                            | 2536-11113        | 00000/0000                   | 2-20026/1353                | 06/11/76         | 100                 | 7052            | 35.4         | 188.2        | GGGG                               |                     |                      | 229                   | 4                    |
| 01857E 0549N                            | 2399-08153        | 00000/0000                   | 2-20021/0562                | 02/25/76         | 10                  | 5558            | 46.9         | 110.4        | GFGG                               |                     |                      | 194                   | 56                   |
| 01855E 7737N                            | 2542-11103        | 00000/0000                   | 2-20028/1742                | 07/17/76         | 60                  | 7554            | 33.5         | 186.0        | GGGG                               |                     |                      | 229                   | 4                    |
| 01855E 2845N                            | 2357-08323        | 00000/0000                   | 2-20020/0402                | 01/24/76         | 0                   | 5112            | 30.7         | 140.0        | FGGG                               |                     |                      | 198                   | 40                   |
| 01855E 2308N                            | 2564-08230        | 00000/0000                   | 2-20030/0977                | 08/08/76         | 0                   | 7859            | 54.8         | 94.8         | GGGG                               |                     |                      | 197                   | 44                   |
| 01854E 2303N                            | 2492-08250        | 00000/0000                   | 2-20026/0352                | 05/28/76         | 20                  | 6855            | 58.5         | 86.1         | GGGG                               |                     |                      | 197                   | 44                   |
| 01851E 7930N                            | 2473-12030        | 00000/0000                   | 2-20025/0548                | 05/15/76         | 80                  | 6676            | 28.7         | 202.4        | GGGG                               |                     |                      | 237                   | 2                    |
| 01851E 7847N                            | 2457-11410        | 00000/0000                   | 2-20023/0537                | 04/23/76         | 80                  | 6369            | 23.5         | 195.7        | FGFG                               |                     |                      | 233                   | 3                    |
| 01851E 7020S                            | 2376-06263        | 00000/0000                   | 2-20020/0753                | 02/02/76         | 100                 | 5236            | 23.4         | 74.6         | GGGG                               |                     |                      | 171                   | 110                  |
| 01849E 7526N                            | 2536-10371        | 00000/0000                   | 2-20028/1191                | 07/11/76         | 30                  | 7470            | 36.6         | 176.8        | FFFF                               |                     |                      | 223                   | 6                    |
| 01849E 2303N                            | 2366-08282        | 00000/0000                   | 2-20020/0246                | 01/23/76         | 0                   | 5098            | 34.2         | 136.8        | GGGG                               |                     |                      | 197                   | 44                   |
| 01848E 1718N                            | 2365-08247        | 00000/0000                   | 2-20020/0057                | 01/22/76         | 0                   | 5084            | 37.4         | 133.3        | FGGF                               |                     |                      | 196                   | 48                   |
| 01846E 7834N                            | 2528-11333        | 00000/0000                   | 2-20028/0550                | 07/03/76         | 20                  | 7359            | 34.2         | 192.4        | GGGG                               |                     |                      | 233                   | 3                    |
| 01845E 7636N                            | 2503-10545        | 00000/0000                   | 2-20026/0975                | 06/08/76         | 10                  | 7010            | 36.3         | 183.3        | GGGG                               |                     |                      | 226                   | 5                    |
| 01838E 7750N                            | 2471-11181        | 00000/0000                   | 2-20024/1765                | 05/07/76         | 20                  | 6564            | 28.9         | 190.3        | GGGG                               |                     |                      | 229                   | 4                    |
| 01837E 0423N                            | 2399-08155        | 00000/0000                   | 2-20021/0563                | 02/25/76         | 10                  | 5558            | 47.2         | 108.8        | GFGG                               |                     |                      | 194                   | 57                   |
| 01833E 2142N                            | 2564-08237        | 00000/0000                   | 2-20030/0978                | 08/08/76         | 0                   | 7859            | 54.7         | 92.7         | GFGG                               |                     |                      | 197                   | 45                   |
| 01833E 1009N                            | 2416-08192        | 00000/0000                   | 2-20027/0129                | 03/15/76         | 10                  | 5823            | 49.5         | 105.4        | GFFG                               |                     |                      | 195                   | 53                   |
| 01832E 2137N                            | 2492-08252        | 00000/0000                   | 2-20026/0353                | 05/28/76         | 0                   | 6855            | 58.1         | 83.8         | GGGG                               |                     |                      | 197                   | 45                   |
| 01831E 2718N                            | 2367-08325        | 00000/0000                   | 2-20020/0403                | 01/24/76         | 0                   | 5112            | 31.6         | 139.2        | FGGG                               |                     |                      | 198                   | 41                   |
| 01827E 7651N                            | 2468-11012        | 00000/0000                   | 2-20024/1460                | 05/04/76         | 30                  | 6522            | 29.2         | 185.4        | GGGG                               |                     |                      | 226                   | 5                    |
| 01827E 1551N                            | 2365-08244        | 00000/0000                   | 2-20020/0058                | 01/22/76         | 0                   | 5084            | 38.2         | 132.3        | FGGF                               |                     |                      | 196                   | 49                   |
| 01826E 2137N                            | 2366-08285        | 00000/0000                   | 2-20020/0247                | 01/23/76         | 0                   | 5098            | 35.0         | 135.9        | GGGG                               |                     |                      | 197                   | 45                   |
| 01818E 8016N                            | 2467-12372        | 00000/0000                   | 2-20024/1239                | 05/03/76         | 10                  | 6509            | 24.3         | 210.5        | GGGG                               |                     |                      | 243                   | 1                    |
| 01817E 3136N                            | 2368-08372        | 00000/0000                   | 2-20020/0380                | 01/25/76         | 90                  | 5126            | 29.0         | 141.3        | FGGG                               |                     |                      | 199                   | 38                   |
| 01817E 0257N                            | 2399-08162        | 00000/0000                   | 2-20021/0564                | 02/25/76         | 20                  | 5558            | 47.4         | 107.2        | GGGG                               |                     |                      | 194                   | 58                   |
| 01817E 0253N                            | 2417-08154        | 00000/0000                   | 2-20021/1626                | 03/14/76         | 20                  | 5809            | 49.7         | 97.2         | GGGG                               |                     |                      | 194                   | 58                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN RBL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|---------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01813E 6401N                            | 2415-09294        | 00000/0000 2-20022/0098                           | 03/12/76         | 30                  | 5782            | 20.9         | 156.8        |                                    |                     |                      | 210                   | 15                   |
| 01813E 0843N                            | 2418-08195        | 00000/0000 2-20022/0130                           | 03/15/76         | 20                  | 5823            | 49.7         | 103.6        | GGFG                               |                     |                      | 195                   | 54                   |
| 01811E 8045N                            | 2455-13114        | 00000/0000 2-20024/0311                           | 04/21/76         | 90                  | 6342            | 19.4         | 218.3        | GGGG                               |                     |                      | 236                   | 247                  |
| 01808E 2552N                            | 2367-08332        | 00000/0000 2-20020/0404                           | 01/24/76         | 10                  | 5112            | 32.5         | 138.3        | FGGF                               |                     |                      | 198                   | 42                   |
| 01807E 7536N                            | 2483-10442        | 00000/0000 2-20025/0830                           | 05/19/76         | 10                  | 6731            | 34.3         | 180.3        | FGGF                               |                     |                      | 224                   | 6                    |
| 01806E 1424N                            | 2365-08251        | 00000/0000 2-20020/0059                           | 01/22/76         | 0                   | 5084            | 39.0         | 131.2        | FGGF                               |                     |                      | 196                   | 50                   |
| 01805E 7742N                            | 2489-11174        | 00000/0000 2-20026/0080                           | 05/25/76         | 10                  | 6815            | 33.2         | 189.5        | GGFG                               |                     |                      | 230                   | 4                    |
| 01805E 2011N                            | 2366-08291        | 00000/0000 2-20020/0248                           | 01/23/76         | 0                   | 5093            | 35.9         | 135.0        | GGGG                               |                     |                      | 197                   | 46                   |
| 01803E 7136S                            | 2375-06212        | 00000/0000 2-20020/0805                           | 02/01/76         | 0                   | 5222            | 22.7         | 76.3         | GGGG                               |                     |                      | 170                   | 111                  |
| 01802E 7934N                            | 2462-12091        | 00000/0000 2-20024/0859                           | 04/28/76         | 20                  | 6439            | 24.0         | 202.5        | FGGG                               |                     |                      | 238                   | 2                    |
| 01801E 7927N                            | 2497-12023        | 00000/0000 2-20026/0146                           | 06/02/76         | 60                  | 6927            | 32.2         | 201.3        | GGGG                               |                     |                      | 238                   | 2                    |
| 01758E 0127N                            | 2417-08161        | 00000/0000 2-20021/1627                           | 03/14/76         | 20                  | 5809            | 49.6         | 95.5         | GGGG                               |                     |                      | 194                   | 59                   |
| 01757E 0130N                            | 2399-08164        | 00000/0000 2-20021/0565                           | 02/25/76         | 20                  | 5558            | 47.6         | 105.7        | GGGG                               |                     |                      | 194                   | 59                   |
| 01754E 7643N                            | 2486-11010        | 00000/0000 2-20025/1065                           | 05/22/76         | 60                  | 6773            | 33.7         | 184.7        | GGGG                               |                     |                      | 227                   | 5                    |
| 01753E 0716N                            | 2418-08201        | 00000/0000 2-20022/0131                           | 03/15/76         | 50                  | 5823            | 49.8         | 101.9        | FGGG                               |                     |                      | 195                   | 55                   |
| 01752E 3011N                            | 2368-08374        | 00000/0000 2-20020/0381                           | 01/25/76         | 40                  | 5126            | 29.9         | 140.6        | FGGG                               |                     |                      | 199                   | 39                   |
| 01751E 2432N                            | 2565-08282        | 00000/0000 2-20030/1013                           | 08/09/76         | 0                   | 7873            | 54.9         | 97.4         | GGGG                               |                     |                      | 198                   | 43                   |
| 01751E 2430N                            | 2493-08302        | 00000/0000 2-20026/0257                           | 05/29/76         | 60                  | 6869            | 58.8         | 88.2         | GGGG                               |                     |                      | 198                   | 43                   |
| 01746E 7926N                            | 2551-12011        | 00000/0000 2-20030/0177                           | 07/26/76         | 90                  | 7680            | 29.5         | 198.3        | GGGG                               |                     |                      | 238                   | 2                    |
| 01746E 2428N                            | 2403-08325        | 00000/0000 2-20021/0883                           | 02/29/76         | 90                  | 5614            | 41.5         | 127.1        | GGG                                |                     |                      | 198                   | 43                   |
| 01746E 1259N                            | 2365-08253        | 00000/0000 2-20020/0060                           | 01/22/76         | 0                   | 5084            | 39.8         | 130.2        | FGGF                               |                     |                      | 196                   | 51                   |
| 01745E 7838N                            | 2493-11401        | 00000/0000 2-20026/0450                           | 05/29/76         | 40                  | 6871            | 32.7         | 195.0        | GGGG                               |                     |                      | 234                   | 3                    |
| 01745E 2426N                            | 2367-08334        | 00000/0000 2-20020/0405                           | 01/24/76         | 90                  | 5112            | 33.4         | 137.5        | GGFF                               |                     |                      | 198                   | 43                   |
| 01744E 7530N                            | 2501-10435        | 00000/0000 2-20027/0205                           | 06/06/76         | 70                  | 6982            | 37.2         | 179.1        | GGGG                               |                     |                      | 224                   | 6                    |
| 01743E 7737N                            | 2507-11172        | 00000/0000 2-20026/1385                           | 06/12/76         | 30                  | 7066            | 35.5         | 183.1        | GGGG                               |                     |                      | 230                   | 4                    |
| 01738E 0001N                            | 2417-08163        | 00000/0000 2-20021/1628                           | 03/14/76         | 50                  | 5809            | 49.5         | 93.8         | GGGG                               |                     |                      | 194                   | 60                   |
| 01737E 0003N                            | 2399-08171        | 00000/0000 2-20021/0566                           | 02/25/76         | 30                  | 5558            | 47.8         | 104.1        | GGGG                               |                     |                      | 194                   | 60                   |
| 01734E 0549N                            | 2418-08204        | 00000/0000 2-20022/0132                           | 03/15/76         | 90                  | 5823            | 49.8         | 100.1        | FGFG                               |                     |                      | 195                   | 56                   |
| 01733E 8012N                            | 2485-12365        | 00000/0000 2-20025/1012                           | 05/21/76         | 40                  | 6760            | 28.9         | 210.1        | GGGG                               |                     |                      | 243                   | 1                    |
| 01733E 7739N                            | 2543-11162        | 00000/0000 2-20028/1347                           | 07/18/76         | 30                  | 7568            | 33.3         | 186.1        | GGGG                               |                     |                      | 230                   | 4                    |
| 01732E 7754N                            | 2454-11242        | 00000/0000 2-20023/0514                           | 04/20/76         | 10                  | 6327            | 23.6         | 189.9        | GFGG                               |                     |                      | 230                   | 4                    |
| 01731E 7640N                            | 2558-10590        | 00000/0000 2-20030/0654                           | 08/02/76         | 100                 | 7777            | 31.0         | 181.2        | GGGG                               |                     |                      | 227                   | 5                    |
| 01729E 2306N                            | 2565-08284        | 00000/0000 2-20030/1014                           | 08/09/76         | 0                   | 7873            | 54.8         | 95.3         | GGGG                               |                     |                      | 198                   | 44                   |
| 01728E 2845N                            | 2368-08381        | 00000/0000 2-20020/0382                           | 01/25/76         | 0                   | 5126            | 30.9         | 139.8        | FGGG                               |                     |                      | 199                   | 40                   |
| 01728E 2304N                            | 2493-08304        | 00000/0000 2-20026/0258                           | 05/29/76         | 60                  | 6869            | 58.5         | 85.8         | GGGG                               |                     |                      | 198                   | 44                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 01727E                      | 7528N             | 2537-10425            | 00000/0000           | 2-20028/1816     | 07/12/76            | 50              | 7484         | 36.5         | 76.7                  | FFFF                |                      | 224                   | 6                    |
| 01727E                      | 7521S             | 2377-06322            | 00000/0000           | 2-20020/0864     | 02/03/76            | 90              | 5250         | 23.1         | 74.6                  | FGGG                |                      | 172                   | 110                  |
| 01724E                      | 2302N             | 2403-08332            | 00000/0000           | 2-20021/0834     | 02/29/76            | 30              | 5614         | 42.2         | 125.8                 | GPG                 |                      | 198                   | 44                   |
| 01723E                      | 2301N             | 2385-08335            | 00000/0000           | 2-20021/0136     | 02/11/76            | 80              | 5363         | 37.6         | 131.6                 | FFFF                |                      | 198                   | 44                   |
| 01723E                      | 1719N             | 2402-08291            | 00000/0000           | 2-20021/0827     | 02/28/76            | 80              | 5600         | 44.2         | 120.8                 | FFGG                |                      | 197                   | 48                   |
| 01722E                      | 7848N             | 2458-11464            | 00000/0000           | 2-20024/0477     | 04/24/76            | 10              | 6383         | 23.8         | 155.8                 | GFGG                |                      | 234                   | 3                    |
| 01722E                      | 2300N             | 2367-08341            | 00000/0000           | 2-20020/0012     | 01/24/76            | 0               | 5112         | 34.3         | 136.6                 | GGGG                |                      | 198                   | 44                   |
| 01722E                      | 1122N             | 2383-08254            | 00000/0000           | 2-20020/1062     | 02/09/76            | 0               | 5335         | 42.7         | 122.8                 | GGGG                |                      | 196                   | 52                   |
| 01720E                      | 7635N             | 2504-11003            | 00000/0000           | 2-20026/1119     | 05/09/76            | 20              | 7024         | 36.4         | 183.2                 | GGGG                |                      | 227                   | 5                    |
| 01718E                      | 0125S             | 2417-08170            | 00000/0000           | 2-20021/1629     | 03/14/76            | 20              | 5809         | 49.3         | 92.1                  | GGGG                |                      | 194                   | 61                   |
| 01717E                      | 0123S             | 2399-08173            | 00000/0000           | 2-20021/0567     | 02/25/76            | 40              | 5558         | 47.9         | 102.5                 | GGGG                |                      | 194                   | 61                   |
| 01716E                      | 3259N             | 2369-08424            | 00000/0000           | 2-20020/0408     | 01/26/76            | 30              | 5140         | 28.2         | 141.9                 | GFGG                |                      | 200                   | 37                   |
| 01714E                      | 7835N             | 2547-11384            | 00000/0000           | 2-20030/0130     | 07/22/76            | 90              | 7624         | 31.4         | 191.7                 | GGGG                |                      | 234                   | 3                    |
| 01714E                      | 7748N             | 2472-11235            | 00000/0000           | 2-20024/1842     | 05/08/76            | 0               | 6578         | 29.2         | 190.2                 | GGGG                |                      | 230                   | 4                    |
| 01714E                      | 0422N             | 2418-08210            | 00000/0000           | 2-20022/0133     | 03/15/76            | 70              | 5823         | 49.8         | 98.4                  | GGGG                |                      | 195                   | 57                   |
| 01711E                      | 7834N             | 2529-11391            | 00000/0000           | 2-20028/0693     | 07/04/76            | 40              | 7373         | 34.1         | 192.2                 | GGGG                |                      | 234                   | 3                    |
| 01706E                      | 7544N             | 2466-10502            | 00000/0000           | 2-20024/1185     | 05/02/76            | 40              | 6494         | 29.7         | 180.8                 | GGGG                |                      | 225                   | 6                    |
| 01706E                      | 2140N             | 2565-08291            | 00000/0000           | 2-20030/1015     | 08/09/76            | 0               | 7873         | 54.6         | 93.1                  | GGGG                |                      | 198                   | 45                   |
| 01706E                      | 2138N             | 2493-08311            | 00000/0000           | 2-20026/0259     | 05/29/76            | 0               | 6869         | 58.1         | 83.4                  | GGGG                |                      | 198                   | 45                   |
| 01704E                      | 2719N             | 2368-08333            | 00000/0000           | 2-20020/0383     | 01/25/76            | 0               | 5126         | 31.8         | 138.9                 | GGGG                |                      | 199                   | 41                   |
| 01704E                      | 1056N             | 2365-08262            | 00000/0000           | 2-20020/0125     | 01/22/76            | 0               | 5084         | 41.2         | 127.9                 | GGGG                |                      | 196                   | 53                   |
| 01703E                      | 1552N             | 2402-08294            | 00000/0000           | 2-20021/0828     | 02/28/76            | 80              | 5600         | 44.8         | 119.4                 | GFGG                |                      | 197                   | 49                   |
| 01702E                      | 2137N             | 2403-08334            | 00000/0000           | 2-20021/0885     | 02/29/76            | 0               | 5614         | 42.8         | 124.5                 | GFGG                |                      | 198                   | 45                   |
| 01702E                      | 0956N             | 2383-08261            | 00000/0000           | 2-20020/1063     | 02/09/76            | 0               | 5335         | 43.3         | 121.6                 | GGGG                |                      | 196                   | 53                   |
| 01701E                      | 2134N             | 2385-08341            | 00000/0000           | 2-20021/0107     | 02/11/76            | 20              | 5363         | 38.3         | 130.5                 | GGFF                |                      | 198                   | 45                   |
| 01700E                      | 7650N             | 2469-11071            | 00000/0000           | 2-20024/1485     | 05/05/76            | 30              | 6536         | 29.5         | 185.3                 | GGGG                |                      | 227                   | 5                    |
| 01700E                      | 2134N             | 2367-08343            | 00000/0000           | 2-20020/0013     | 01/24/76            | 0               | 5112         | 35.2         | 135.6                 | GGGG                |                      | 198                   | 45                   |
| 01658E                      | 0251S             | 2417-08172            | 00000/0000           | 2-20021/1630     | 03/14/76            | 10              | 5809         | 49.1         | 90.4                  | GGGG                |                      | 194                   | 62                   |
| 01657E                      | 6653N             | 2436-09452            | 00000/0000           | 2-20022/1171     | 04/02/76            | 50              | 6075         | 27.0         | 160.5                 | GGGG                |                      | 213                   | 13                   |
| 01657E                      | 0250S             | 2399-08180            | 00000/0000           | 2-20021/0568     | 02/25/76            | 30              | 5558         | 48.0         | 100.8                 | GGGG                |                      | 194                   | 62                   |
| 01656E                      | 6535N             | 2471-09390            | 00000/0000           | 2-20024/1762     | 05/07/76            | 80              | 6563         | 40.0         | 158.3                 | GGGG                |                      | 212                   | 14                   |
| 01655E                      | 6531N             | 2436-09401            | 00000/0000           | 2-20022/1723     | 04/01/76            | 70              | 6061         | 27.7         | 158.6                 | GGGG                |                      | 212                   | 14                   |
| 01654E                      | 0256N             | 2418-08213            | 00000/0000           | 2-20022/0134     | 03/15/76            | 30              | 5823         | 49.8         | 96.6                  | FGGG                |                      | 195                   | 58                   |
| 01651E                      | 7841N             | 2476-11462            | 00000/0000           | 2-20025/0079     | 05/12/76            | 10              | 6634         | 29.2         | 195.8                 | GGGG                |                      | 234                   | 3                    |
| 01651E                      | 3135N             | 2387-08424            | 00000/0000           | 2-20020/1443     | 02/13/76            | 50              | 5391         | 33.2         | 137.0                 | GFGG                |                      | 200                   | 38                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01650E 7927N                            | 2498-12082        | 00000/0000 2-20026/1186                            | 06/03/76         | 40                  | 6941            | 32.3         | 201.5        | GGGG                               |                     |                      | 239                   | 2                    |
| 01648E 1430N                            | 2456-08282        | 00000/0000 2-20024/0458                            | 04/22/76         | 10                  | 6353            | 55.3         | 89.3         | GGGG                               |                     |                      | 197                   | 50                   |
| 01647E 6645N                            | 2490-09435        | 00000/0000 2-20026/0180                            | 05/26/76         | 50                  | 6828            | 43.3         | 159.0        | GGGG                               |                     |                      | 213                   | 13                   |
| 01647E 2018N                            | 2457-08323        | 00000/0000 2-20024/0467                            | 04/23/76         | 0                   | 6367            | 56.0         | 97.6         | GGGG                               |                     |                      | 198                   | 46                   |
| 01646E 0842N                            | 2419-08253        | 00000/0000 2-20022/0148                            | 03/16/76         | 80                  | 5837            | 49.8         | 103.1        | FGGG                               |                     |                      | 196                   | 54                   |
| 01645E 6644N                            | 2418-09460        | 00000/0000 2-20022/0115                            | 03/15/76         | 10                  | 5824            | 20.0         | 160.0        | GGFG                               |                     |                      | 213                   | 13                   |
| 01645E 2016N                            | 2439-08330        | 00000/0000 2-20022/1261                            | 04/05/76         | 0                   | 6116            | 52.7         | 107.2        | GGGG                               |                     |                      | 198                   | 46                   |
| 01645E 1425N                            | 2492-08273        | 00000/0000 2-20026/0354                            | 05/28/76         | 30                  | 6855            | 55.5         | 72.9         | GGGG                               |                     |                      | 197                   | 50                   |
| 01645E 0838N                            | 2401-08260        | 00000/0000 2-20022/0007                            | 02/27/76         | 10                  | 5586            | 46.7         | 112.4        | FGGG                               |                     |                      | 196                   | 54                   |
| 01644E 6525N                            | 2489-09384        | 00000/0000 2-20026/0077                            | 05/25/76         | 10                  | 6814            | 44.1         | 156.8        | GGFG                               |                     |                      | 212                   | 14                   |
| 01644E 1425N                            | 2510-08270        | 00000/0000 2-20026/1547                            | 06/15/76         | 10                  | 7106            | 54.4         | 69.9         | GGGG                               |                     |                      | 197                   | 50                   |
| 01643E 0839N                            | 2365-08265        | 00000/0000 2-20020/0126                            | 01/22/76         | 10                  | 5084            | 41.9         | 126.7        | GGGG                               |                     |                      | 196                   | 54                   |
| 01642E 6522N                            | 2417-09404        | 00000/0000 2-20021/1632                            | 03/14/76         | 0                   | 5810            | 20.6         | 158.3        | GGGG                               |                     |                      | 212                   | 14                   |
| 01642E 1427N                            | 2420-08293        | 00000/0000 2-20021/1542                            | 03/17/76         | 50                  | 5851            | 49.3         | 109.5        | FGFF                               |                     |                      | 197                   | 50                   |
| 01642E 1426N                            | 2402-08300        | 00000/0000 2-20021/0829                            | 02/28/76         | 40                  | 5600            | 45.2         | 118.0        | GGFG                               |                     |                      | 197                   | 50                   |
| 01641E 0830N                            | 2383-08263        | 00000/0000 2-20020/1252                            | 02/09/76         | 10                  | 5335            | 43.8         | 120.2        | FFFF                               |                     |                      | 196                   | 54                   |
| 01640E 8043N                            | 2456-13172        | 00000/0000 2-20024/0327                            | 04/22/76         | 30                  | 6356            | 19.8         | 218.2        | GGGG                               |                     |                      | 238                   | 247                  |
| 01640E 7535N                            | 2484-10500        | 00000/0000 2-20025/0958                            | 05/20/76         | 90                  | 6745            | 34.5         | 180.2        | GGGG                               |                     |                      | 225                   | 6                    |
| 01640E 2553N                            | 2368-08390        | 00000/0000 2-20020/0384                            | 01/25/76         | 0                   | 5126            | 32.7         | 138.1        | FFGG                               |                     |                      | 199                   | 42                   |
| 01640E 2010N                            | 2403-08341        | 00000/0000 2-20021/0886                            | 02/29/76         | 10                  | 5614            | 43.4         | 123.2        | GGG                                |                     |                      | 198                   | 46                   |
| 01640E 1426N                            | 2366-08305        | 00000/0000 2-20020/0249                            | 01/23/76         | 0                   | 5098            | 39.1         | 131.0        | GGGG                               |                     |                      | 197                   | 50                   |
| 01639E 2008N                            | 2367-08350        | 00000/0000 2-20020/0014                            | 01/24/76         | 10                  | 5112            | 36.0         | 134.7        | GGGG                               |                     |                      | 198                   | 46                   |
| 01639E 2007N                            | 2385-08344        | 00000/0000 2-20021/0108                            | 02/11/76         | 70                  | 5363            | 39.1         | 129.4        | GGFG                               |                     |                      | 198                   | 46                   |
| 01639E 0134N                            | 2454-08204        | 00000/0000 2-20024/0154                            | 04/20/76         | 10                  | 6325            | 51.1         | 73.3         | FGFG                               |                     |                      | 195                   | 59                   |
| 01638E 7936N                            | 2463-12145        | 00000/0000 2-20024/0994                            | 04/29/76         | 20                  | 6453            | 24.3         | 202.8        | FGGG                               |                     |                      | 239                   | 2                    |
| 01638E 0418S                            | 2417-08175        | 00000/0000 2-20021/1631                            | 03/14/76         | 10                  | 5809            | 48.9         | 88.8         | GGGG                               |                     |                      | 194                   | 63                   |
| 01637E 0415S                            | 2399-08182        | 00000/0000 2-20021/0569                            | 02/25/76         | 20                  | 5558            | 48.0         | 99.2         | GGGG                               |                     |                      | 194                   | 63                   |
| 01637E 7136S                            | 2376-06270        | 00000/0000 2-20020/0754                            | 02/02/76         | 80                  | 5236            | 22.4         | 76.2         | GGGG                               |                     |                      | 171                   | 111                  |
| 01636E 8007N                            | 2503-12363        | 00000/0000 2-20026/0977                            | 06/08/76         | 30                  | 7011            | 31.7         | 208.3        | GGGG                               |                     |                      | 244                   | 1                    |
| 01634E 0129N                            | 2418-08215        | 00000/0000 2-20022/0135                            | 03/15/76         | 60                  | 5823            | 49.7         | 94.9         | GGGG                               |                     |                      | 195                   | 59                   |
| 01630E 0714N                            | 2473-08242        | 00000/0000 2-20024/1777                            | 05/09/76         | 10                  | 6590            | 53.0         | 70.5         | GGFG                               |                     |                      | 196                   | 55                   |
| 01629E 2437N                            | 2458-08365        | 00000/0000 2-20024/0294                            | 04/24/76         | 0                   | 6381            | 56.1         | 103.9        | FGGG                               |                     |                      | 199                   | 43                   |
| 01627E 1304N                            | 2456-08285        | 00000/0000 2-20024/0459                            | 04/22/76         | 20                  | 6353            | 55.0         | 87.2         | GGGG                               |                     |                      | 197                   | 51                   |
| 01626E 2437N                            | 2440-08373        | 00000/0000 2-20022/1439                            | 04/06/76         | 0                   | 6130            | 52.2         | 112.7        | GGGG                               |                     |                      | 199                   | 43                   |
| 01626E 2433N                            | 2566-08340        | 00000/0000 2-20030/1033                            | 08/10/76         | 0                   | 7887            | 54.8         | 98.0         | GGGG                               |                     |                      | 199                   | 43                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, SAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR ARVNJS  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ERRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RRV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 01624E                      | 1716N | 2419-08255 | 00000/0000        | 2-20022/0149                            | 03/16/76         | 60                  | 5837            | 49.9         | 101.3        | GGGG                  |                     |                      | 196                   | 55                   |
| 01624E                      | 1741N | 2417-11054 | 00000/0000        | 2-20025/1116                            | 05/23/76         | 70                  | 6787            | 33.9         | 184.6        | FGGG                  |                     |                      | 228                   | 5                    |
| 01624E                      | 2433N | 2422-05350 | 00000/0000        | 2-20021/1735                            | 03/19/76         | 30                  | 5879            | 47.1         | 120.3        | GGGG                  |                     |                      | 199                   | 43                   |
| 01624E                      | 1450N | 2439-08330 | 00000/0000        | 2-20022/1262                            | 04/05/76         | 0                   | 6116            | 52.9         | 105.2        | GGGG                  |                     |                      | 198                   | 47                   |
| 01624E                      | 1259N | 2432-08275 | 00000/0000        | 2-20026/0355                            | 05/24/76         | 10                  | 6555            | 54.8         | 71.0         | GGGG                  |                     |                      | 197                   | 51                   |
| 01624E                      | 1259N | 2510-08272 | 00000/0000        | 2-20026/1548                            | 06/15/76         | 10                  | 7106            | 53.7         | 68.1         | GGGG                  |                     |                      | 197                   | 51                   |
| 01623E                      | 0713N | 2365-08271 | 00000/0000        | 2-20020/0127                            | 01/27/76         | 20                  | 5084            | 42.6         | 125.5        | GGGG                  |                     |                      | 196                   | 55                   |
| 01621E                      | 1300N | 2420-08300 | 00000/0000        | 2-20021/1543                            | 03/17/76         | 20                  | 5851            | 49.6         | 107.8        | GGGG                  |                     |                      | 197                   | 51                   |
| 01621E                      | 0703N | 2383-08270 | 00000/0000        | 2-20020/1253                            | 02/09/76         | 30                  | 5335            | 44.3         | 113.9        | FGGG                  |                     |                      | 196                   | 55                   |
| 01620E                      | 7530N | 2502-10433 | 00000/0000        | 2-20026/0932                            | 06/07/76         | 60                  | 6996            | 37.3         | 179.0        | GGGG                  |                     |                      | 225                   | 6                    |
| 01619E                      | 2429N | 2404-08343 | 00000/0000        | 2-20021/0958                            | 03/01/76         | 0                   | 5628            | 41.8         | 126.8        | GGGG                  |                     |                      | 199                   | 43                   |
| 01619E                      | 0007N | 2454-05211 | 00000/0000        | 2-20024/0155                            | 04/21/76         | 40                  | 6325            | 50.5         | 71.7         | FGGG                  |                     |                      | 195                   | 60                   |
| 01618E                      | 2427N | 2358-08340 | 00000/0000        | 2-20020/0385                            | 01/25/76         | 20                  | 5126            | 33.6         | 137.2        | FGGG                  |                     |                      | 199                   | 43                   |
| 01618E                      | 2425N | 2356-08330 | 00000/0000        | 2-20020/1355                            | 02/12/76         | 0                   | 5377            | 37.0         | 132.4        | FGGG                  |                     |                      | 199                   | 43                   |
| 01618E                      | 1843N | 2357-08350 | 00000/0000        | 2-20020/0016                            | 01/24/76         | 20                  | 5112            | 36.9         | 133.7        | GGGG                  |                     |                      | 198                   | 47                   |
| 01618E                      | 1843N | 2403-08343 | 00000/0000        | 2-20021/0887                            | 02/29/76         | 10                  | 5614            | 44.0         | 121.8        | GGGG                  |                     |                      | 198                   | 47                   |
| 01616E                      | 1245N | 2384-08310 | 00000/0000        | 2-20020/1073                            | 02/10/76         | 10                  | 5349            | 42.3         | 123.7        | GGGG                  |                     |                      | 197                   | 51                   |
| 01614E                      | 7641N | 2509-11044 | 00000/0000        | 2-20030/0741                            | 05/03/76         | 70                  | 7791            | 30.7         | 181.3        | GGGG                  |                     |                      | 228                   | 5                    |
| 01614E                      | 0002N | 2418-08222 | 00000/0000        | 2-20022/0136                            | 03/15/76         | 30                  | 5823            | 49.6         | 93.2         | GGGG                  |                     |                      | 195                   | 60                   |
| 01610E                      | 7925N | 2534-12072 | 00000/0000        | 2-20022/1122                            | 07/09/76         | 10                  | 7443            | 32.4         | 198.7        | GGGG                  |                     |                      | 239                   | 2                    |
| 01606E                      | 2311N | 2458-08372 | 00000/0000        | 2-20024/0235                            | 04/24/76         | 0                   | 6381            | 56.2         | 101.6        | GGGG                  |                     |                      | 199                   | 44                   |
| 01606E                      | 1137N | 2456-08231 | 00000/0000        | 2-20024/0319                            | 04/22/76         | 20                  | 6353            | 54.7         | 85.1         | FGGG                  |                     |                      | 197                   | 52                   |
| 01604E                      | 7931N | 2431-12143 | 00000/0000        | 2-20025/0726                            | 05/17/76         | 70                  | 6704            | 29.2         | 202.5        | GGGG                  |                     |                      | 239                   | 2                    |
| 01604E                      | 7737N | 2515-11230 | 00000/0000        | 2-20026/1435                            | 06/13/76         | 60                  | 7080            | 35.6         | 187.9        | GGGG                  |                     |                      | 231                   | 4                    |
| 01604E                      | 2310N | 2440-08375 | 00000/0000        | 2-20022/1440                            | 04/06/76         | 0                   | 6130            | 52.5         | 110.7        | GGGG                  |                     |                      | 199                   | 44                   |
| 01603E                      | 2307N | 2506-08340 | 00000/0000        | 2-20030/1034                            | 08/10/76         | 0                   | 7887            | 54.7         | 95.8         | GGGG                  |                     |                      | 199                   | 44                   |
| 01603E                      | 1133N | 2510-08275 | 00000/0000        | 2-20026/1250                            | 06/15/76         | 10                  | 7106            | 52.9         | 66.4         | GGGG                  |                     |                      | 197                   | 52                   |
| 01603E                      | 1132N | 2432-08240 | 00000/0000        | 2-20026/0356                            | 05/28/76         | 10                  | 6855            | 54.1         | 69.2         | GGGG                  |                     |                      | 197                   | 52                   |
| 01602E                      | 2307N | 2422-08353 | 00000/0000        | 2-20021/1736                            | 03/19/76         | 10                  | 5879            | 47.6         | 113.7        | FGGG                  |                     |                      | 199                   | 44                   |
| 01602E                      | 1723N | 2439-08335 | 00000/0000        | 2-20022/1263                            | 04/05/76         | 0                   | 6116            | 53.0         | 103.2        | GGGG                  |                     |                      | 198                   | 48                   |
| 01601E                      | 7836N | 2548-11440 | 00000/0000        | 2-20030/0014                            | 07/23/76         | 40                  | 7638            | 31.2         | 191.8        | GGGG                  |                     |                      | 235                   | 3                    |
| 01601E                      | 7737N | 2544-11220 | 00000/0000        | 2-20029/0022                            | 07/19/76         | 70                  | 7582            | 33.1         | 186.0        | PPPF                  |                     |                      | 231                   | 4                    |
| 01559E                      | 1133N | 2420-08300 | 00000/0000        | 2-20021/1544                            | 03/17/76         | 30                  | 5851            | 49.7         | 106.0        | FFFF                  |                     |                      | 197                   | 52                   |
| 01559E                      | 0012N | 2426-12423 | 00000/0000        | 2-20025/1067                            | 05/22/76         | 0                   | 6774            | 29.1         | 210.0        | GGGG                  |                     |                      | 244                   | 1                    |
| 01559E                      | 7752N | 2455-11300 | 00000/0000        | 2-20024/0309                            | 04/21/76         | 70                  | 6341            | 24.0         | 189.8        | GGGG                  |                     |                      | 231                   | 4                    |

KEYS: CLOUD COVER & ..... J TS 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR MON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01558E                                  | 0118S             | 2454-08213                   | 00000/0000                  | 2-20024/0156     | 04/20/76            | 80              | 6325         | 49.8         | 70.2                               | FFFF                |                      | 195                   | 61                   |
| 01557E                                  | 2303N             | 2404-08390                   | 00000/0000                  | 2-20021/0959     | 03/01/76            | 0               | 5628         | 42.4         | 125.5                              | GGGG                |                      | 199                   | 44                   |
| 01556E                                  | 1717N             | 2367-08355                   | 00000/0000                  | 2-20020/0016     | 01/24/76            | 20              | 5112         | 37.7         | 132.7                              | FGGG                |                      | 198                   | 48                   |
| 01556E                                  | 1717N             | 2403-08350                   | 00000/0000                  | 2-20021/0888     | 02/29/76            | 10              | 5614         | 44.5         | 120.4                              | GGGG                |                      | 198                   | 48                   |
| 01556E                                  | 1119N             | 2384-08313                   | 00000/0000                  | 2-20020/1074     | 02/10/76            | 10              | 5349         | 42.9         | 122.4                              | GGGG                |                      | 197                   | 52                   |
| 01555E                                  | 2300N             | 2358-08395                   | 00000/0000                  | 2-20020/0276     | 01/25/76            | 10              | 5126         | 34.4         | 136.3                              | GFGG                |                      | 199                   | 44                   |
| 01555E                                  | 2300N             | 2386-08393                   | 00000/0000                  | 2-20020/1386     | 02/12/76            | 0               | 5377         | 37.8         | 131.3                              | GGGG                |                      | 199                   | 44                   |
| 01555E                                  | 1716N             | 2385-08353                   | 00000/0000                  | 2-20020/1387     | 02/11/76            | 0               | 5363         | 40.5         | 127.2                              | GGG                 |                      | 198                   | 48                   |
| 01554E                                  | 7637N             | 2505-11062                   | 00000/0000                  | 2-20026/1660     | 06/10/76            | 90              | 7038         | 36.4         | 183.3                              | GGGG                |                      | 228                   | 5                    |
| 01553E                                  | 7636N             | 2541-11052                   | 00000/0000                  | 2-20028/1585     | 07/16/76            | 90              | 7540         | 34.7         | 181.1                              | GGGG                |                      | 228                   | 5                    |
| 01553E                                  | 0124S             | 2418-08224                   | 00000/0000                  | 2-20027/0113     | 03/15/76            | 50              | 5823         | 49.4         | 91.5                               | GGGG                |                      | 195                   | 61                   |
| 01550E                                  | 3303N             | 2358-08480                   | 00000/0000                  | 2-20020/1561     | 02/14/76            | 10              | 5405         | 32.6         | 137.7                              | GGGG                |                      | 201                   | 37                   |
| 01548E                                  | 7847N             | 2459-11523                   | 00000/0000                  | 2-20024/0277     | 04/25/76            | 30              | 6397         | 24.2         | 195.8                              | GGGG                |                      | 235                   | 3                    |
| 01546E                                  | 7835N             | 2630-11448                   | 00000/0000                  | 2-20028/0774     | 07/05/76            | 60              | 7387         | 34.0         | 192.3                              | GFGG                |                      | 235                   | 3                    |
| 01546E                                  | 7750N             | 2473-11293                   | 00000/0000                  | 2-20025/0065     | 05/09/76            | 10              | 6592         | 29.5         | 190.3                              | GGGG                |                      | 231                   | 4                    |
| 01546E                                  | 1010N             | 2456-08294                   | 00000/0000                  | 2-20024/0320     | 04/22/76            | 10              | 6353         | 54.3         | 83.1                               | GGGG                |                      | 197                   | 53                   |
| 01544E                                  | 2144N             | 2458-08374                   | 00000/0000                  | 2-20024/0296     | 04/24/76            | 0               | 6381         | 56.2         | 99.3                               | GGGG                |                      | 199                   | 45                   |
| 01543E                                  | 1005N             | 2492-08284                   | 00000/0000                  | 2-20026/0357     | 05/28/76            | 10              | 6855         | 53.4         | 67.4                               | GGGF                |                      | 197                   | 53                   |
| 01542E                                  | 2144N             | 2440-08382                   | 00000/0000                  | 2-20027/1441     | 04/06/76            | 0               | 6130         | 52.7         | 108.7                              | GGGG                |                      | 199                   | 45                   |
| 01542E                                  | 1556N             | 2439-08341                   | 00000/0000                  | 2-20027/1264     | 04/05/76            | 0               | 6116         | 53.1         | 101.2                              | GGGG                |                      | 198                   | 49                   |
| 01542E                                  | 1007N             | 2510-08282                   | 00000/0000                  | 2-20026/1251     | 06/15/76            | 10              | 7106         | 52.1         | 64.8                               | GGGG                |                      | 197                   | 53                   |
| 01540E                                  | 2141N             | 2422-08385                   | 00000/0000                  | 2-20021/1737     | 03/19/76            | 0               | 5879         | 48.1         | 117.1                              | GGFG                |                      | 199                   | 45                   |
| 01540E                                  | 2141N             | 2566-08345                   | 00000/0000                  | 2-20030/1035     | 08/10/76            | 0               | 7887         | 54.6         | 93.6                               | GGGG                |                      | 199                   | 45                   |
| 01540E                                  | 1552N             | 2493-08325                   | 00000/0000                  | 2-20026/0260     | 05/29/76            | 70              | 6869         | 56.1         | 74.6                               | GGGG                |                      | 198                   | 49                   |
| 01540E                                  | 1550N             | 2511-08322                   | 00000/0000                  | 2-20026/1704     | 06/16/76            | 30              | 7120         | 55.0         | 71.7                               | GGGG                |                      | 198                   | 49                   |
| 01537E                                  | 7544N             | 2467-10561                   | 00000/0000                  | 2-20024/1298     | 05/03/76            | 20              | 6508         | 30.1         | 180.8                              | GGGG                |                      | 226                   | 6                    |
| 01535E                                  | 8016N             | 2469-12484                   | 00000/0000                  | 2-20024/1432     | 05/05/76            | 10              | 6537         | 24.9         | 210.7                              | GGGG                |                      | 245                   | 1                    |
| 01535E                                  | 6655N             | 2455-09503                   | 00000/0000                  | 2-20024/0305     | 04/21/76            | 50              | 6340         | 34.0         | 160.7                              | GGGG                |                      | 214                   | 13                   |
| 01535E                                  | 2137N             | 2404-08392                   | 00000/0000                  | 2-20021/0960     | 03/01/76            | 0               | 5628         | 43.1         | 124.2                              | GGGG                |                      | 199                   | 45                   |
| 01535E                                  | 1551N             | 2367-08361                   | 00000/0000                  | 2-20020/0017     | 01/24/76            | 40              | 5112         | 38.5         | 131.7                              | GGGG                |                      | 198                   | 49                   |
| 01535E                                  | 1551N             | 2403-08352                   | 00000/0000                  | 2-20021/0893     | 02/29/76            | 10              | 5514         | 45.0         | 119.0                              | GGGG                |                      | 198                   | 49                   |
| 01535E                                  | 0952N             | 2384-08315                   | 00000/0000                  | 2-20020/1075     | 02/10/76            | 40              | 5349         | 43.5         | 121.1                              | GGGG                |                      | 197                   | 53                   |
| 01534E                                  | 6654N             | 2437-09510                   | 00000/0000                  | 2-20027/1162     | 04/03/76            | 10              | 6089         | 27.4         | 160.5                              | GGGF                |                      | 214                   | 13                   |
| 01534E                                  | 1550N             | 2385-08355                   | 00000/0000                  | 2-20020/1388     | 02/11/76            | 0               | 5363         | 41.1         | 126.0                              | GGGG                |                      | 198                   | 49                   |
| 01534E                                  | 0251S             | 2418-08231                   | 00000/0000                  | 2-20022/0114     | 03/15/76            | 70              | 5823         | 49.2         | 89.8                               | GFGG                |                      | 195                   | 62                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, B=BRND, P=PBDR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR MON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01533E 2134N                            | 2368-08401        | 00000/0000                   | 2-20020/0277                | 01/25/76         | 20                  | 5126            | 35.3         | 135.4        | GGGG                               |                     |                      | 199                   | 45                   |
| 01533E 2134N                            | 2386-08395        | 00000/0000                   | 2-20020/1488                | 02/12/76         | 0                   | 5377            | 38.6         | 130.2        | GGGG                               |                     |                      | 199                   | 45                   |
| 01532E 7842N                            | 2477-11520        | 2-20025/1257                 | 2-20025/0289                | 05/13/76         | 10                  | 6648            | 29.4         | 196.0        | GGG GGGG                           |                     |                      | 235                   | 3                    |
| 01527E 6533N                            | 2436-09455        | 00000/0000                   | 2-20022/1172                | 04/02/76         | 40                  | 6075            | 28.1         | 158.7        | GGGG                               |                     |                      | 213                   | 14                   |
| 01525E 3138N                            | 2388-08442        | 00000/0000                   | 2-20020/1562                | 02/14/76         | 0                   | 5405            | 33.4         | 136.8        | GGGG                               |                     |                      | 201                   | 38                   |
| 01525E 0843N                            | 2474-08293        | 00000/0000                   | 2-20025/0118                | 05/10/76         | 10                  | 6604            | 53.7         | 71.9         | GGGG                               |                     |                      | 197                   | 54                   |
| 01524E 8043N                            | 2457-13230        | 00000/0000                   | 2-20023/0540                | 04/23/76         | 50                  | 6370            | 20.1         | 218.4        | FFGG                               |                     |                      | 238                   | 247                  |
| 01523E 6646N                            | 2491-09494        | 00000/0000                   | 2-20026/0347                | 05/27/76         | 10                  | 6842            | 43.4         | 158.9        | GGGG                               |                     |                      | 214                   | 13                   |
| 01522E 2017N                            | 2458-08381        | 00000/0000                   | 2-20024/0297                | 04/24/76         | 0                   | 6381            | 56.1         | 97.0         | GGGG                               |                     |                      | 199                   | 46                   |
| 01522E 1432N                            | 2457-08341        | 00000/0000                   | 2-20024/0468                | 04/23/76         | 10                  | 6367            | 55.4         | 88.8         | GGGG                               |                     |                      | 198                   | 50                   |
| 01520E 2017N                            | 2440-08384        | 00000/0000                   | 2-20027/1442                | 04/06/76         | 0                   | 6130            | 52.9         | 106.7        | GGGG                               |                     |                      | 199                   | 46                   |
| 01519E 7646N                            | 2470-11125        | 00000/0000                   | 2-20024/1755                | 05/06/76         | 50                  | 6550            | 29.8         | 185.1        | GGGG                               |                     |                      | 229                   | 5                    |
| 01519E 6524N                            | 2430-09442        | 00000/0000                   | 2-20026/0207                | 05/26/76         | 30                  | 6828            | 44.3         | 156.7        | GGGG                               |                     |                      | 213                   | 14                   |
| 01519E 2015N                            | 2422-08392        | 00000/0000                   | 2-20021/1738                | 03/19/76         | 0                   | 5879            | 48.5         | 115.4        | GGGG                               |                     |                      | 199                   | 46                   |
| 01519E 1426N                            | 2493-08331        | 00000/0000                   | 2-20026/0261                | 05/29/76         | 60                  | 6869            | 55.4         | 72.6         | GGGG                               |                     |                      | 198                   | 50                   |
| 01519E 1424N                            | 2511-08325        | 00000/0000                   | 2-20024/1705                | 06/16/76         | 10                  | 7120            | 54.3         | 69.8         | FFGG                               |                     |                      | 198                   | 50                   |
| 01518E 7537N                            | 2485-10554        | 00000/0000                   | 2-20025/1011                | 05/21/76         | 90                  | 6759            | 34.6         | 180.3        | GGGF                               |                     |                      | 224                   | 6                    |
| 01518E 0840N                            | 2366-08323        | 00000/0000                   | 2-20019/0203                | 01/23/76         | 10                  | 5098            | 42.0         | 126.4        | GGGG                               |                     |                      | 197                   | 54                   |
| 01517E 7742N                            | 2491-11291        | 00000/0000                   | 2-20026/0285                | 05/27/76         | 60                  | 6843            | 33.5         | 189.5        | GGGG                               |                     |                      | 232                   | 4                    |
| 01516E 7929N                            | 2553-12123        | 00000/0000                   | 2-20030/0308                | 07/28/76         | 90                  | 7708            | 29.0         | 198.6        | GGGG                               |                     |                      | 240                   | 2                    |
| 01516E 6525N                            | 2418-09462        | 00000/0000                   | 2-20022/0116                | 03/15/76         | 10                  | 5824            | 21.0         | 158.3        | GGGG                               |                     |                      | 213                   | 14                   |
| 01515E 7928N                            | 2499-12140        | 00000/0000                   | 2-20026/0792                | 06/04/76         | 60                  | 6955            | 32.4         | 201.3        | GGGG                               |                     |                      | 240                   | 2                    |
| 01514E 8009N                            | 2504-12421        | 00000/0000                   | 2-20026/1121                | 06/09/76         | 80                  | 7025            | 31.8         | 208.5        | GGFG                               |                     |                      | 245                   | 1                    |
| 01514E 2551N                            | 2387-08442        | 00000/0000                   | 2-20020/1444                | 02/13/76         | 10                  | 5391            | 36.5         | 133.1        | FFFG                               |                     |                      | 200                   | 42                   |
| 01514E 1424N                            | 2385-08362        | 00000/0000                   | 2-20020/1389                | 02/11/76         | 0                   | 5363            | 41.8         | 124.7        | FFGG                               |                     |                      | 198                   | 50                   |
| 01514E 0826N                            | 2354-08322        | 00000/0000                   | 2-20020/1076                | 02/10/76         | 70                  | 5349            | 44.0         | 119.8        | GGGG                               |                     |                      | 197                   | 54                   |
| 01512E 2011N                            | 2404-08395        | 00000/0000                   | 2-20021/0961                | 03/01/76         | 0                   | 5628            | 43.6         | 122.8        | GGGG                               |                     |                      | 199                   | 46                   |
| 01512E 7137S                            | 2377-06324        | 00000/0000                   | 2-20020/0865                | 02/03/76         | 50                  | 5250            | 22.2         | 76.2         | FFGG                               |                     |                      | 172                   | 111                  |
| 01511E 2008N                            | 2368-08404        | 00000/0000                   | 2-20020/0278                | 01/25/76         | 20                  | 5126            | 36.2         | 134.4        | GGGF                               |                     |                      | 199                   | 46                   |
| 01511E 2007N                            | 2386-08402        | 00000/0000                   | 2-20020/1489                | 02/12/76         | 0                   | 5377            | 39.3         | 129.1        | FFGG                               |                     |                      | 199                   | 46                   |
| 01507E 7936N                            | 2464-12204        | 00000/0000                   | 2-20024/0192                | 04/30/76         | 20                  | 6467            | 24.6         | 202.7        | GGGG                               |                     |                      | 240                   | 2                    |
| 01502E 1306N                            | 2457-08343        | 00000/0000                   | 2-20024/0469                | 04/23/76         | 30                  | 6367            | 55.1         | 86.6         | FFGG                               |                     |                      | 198                   | 51                   |
| 01501E 2437N                            | 2459-08424        | 00000/0000                   | 2-20024/0575                | 04/25/76         | 0                   | 6395            | 56.2         | 103.4        | GGGG                               |                     |                      | 200                   | 43                   |
| 01500E 3012N                            | 2388-08485        | 00000/0000                   | 2-20020/1563                | 02/14/76         | 0                   | 5405            | 34.3         | 135.8        | GGGG                               |                     |                      | 201                   | 39                   |
| 01500E 2434N                            | 2441-08431        | 00000/0000                   | 2-20022/1503                | 04/07/76         | 0                   | 6144            | 52.4         | 112.1        | GGGG                               |                     |                      | 200                   | 43                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK AND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 01500E                      | 1850N | 2458-08383        | 00000/0000            | 2-20024/0298         | 04/24/76         | 0                   | 6381            | 56.0         | 94.7         | GGGG                  |                     |                      | 199                   | 47                   |
| 01459E                      | 2435N | 2567-08394        | 00000/0000            | 2-20030/1138         | 08/11/76         | 0                   | 7901            | 54.7         | 98.5         | GGGG                  |                     |                      | 200                   | 43                   |
| 01458E                      | 1851N | 2440-08391        | 00000/0000            | 2-20022/1443         | 04/06/76         | 0                   | 6130            | 53.1         | 104.7        | GGGG                  |                     |                      | 199                   | 47                   |
| 01458E                      | 1259N | 2493-08334        | 00000/0000            | 2-20026/0262         | 05/29/76         | 10                  | 6869            | 54.8         | 70.7         | GGGG                  |                     |                      | 198                   | 51                   |
| 01457E                      | 1848N | 2422-08394        | 00000/0000            | 2-20021/1739         | 03/19/76         | 0                   | 5879            | 48.9         | 113.7        | GGGG                  |                     |                      | 199                   | 47                   |
| 01457E                      | 0714N | 2366-08330        | 00000/0000            | 2-20019/0204         | 01/23/76         | 10                  | 5098            | 42.6         | 125.2        | GGGG                  |                     |                      | 197                   | 55                   |
| 01456E                      | 2434N | 2423-08434        | 00000/0000            | 2-20022/0369         | 03/20/76         | 10                  | 5893            | 47.4         | 119.9        | FGGG                  |                     |                      | 200                   | 43                   |
| 01453E                      | 2427N | 2405-08442        | 00000/0000            | 2-20021/1012         | 03/02/76         | 30                  | 5642            | 42.1         | 126.4        | FGGG                  |                     |                      | 200                   | 43                   |
| 01453E                      | 1258N | 2385-08364        | 00000/0000            | 2-20020/1390         | 02/11/76         | 10                  | 5363            | 42.4         | 123.5        | GGGG                  |                     |                      | 198                   | 51                   |
| 01453E                      | 0659N | 2384-08324        | 00000/0000            | 2-20020/1077         | 02/10/76         | 30                  | 5349            | 44.5         | 118.4        | GGGG                  |                     |                      | 197                   | 55                   |
| 01452E                      | 2425N | 2387-08445        | 00000/0000            | 2-20020/1445         | 02/13/76         | 0                   | 5391            | 37.3         | 132.0        | FGGG                  |                     |                      | 200                   | 43                   |
| 01452E                      | 2424N | 2369-08451        | 00000/0000            | 2-20020/0409         | 01/26/76         | 0                   | 5140            | 33.7         | 136.9        | GGGG                  |                     |                      | 200                   | 43                   |
| 01451E                      | 1845N | 2404-08401        | 00000/0000            | 2-20021/0962         | 03/01/76         | 10                  | 5628            | 44.2         | 121.4        | GGGG                  |                     |                      | 199                   | 47                   |
| 01450E                      | 7839N | 2495-11513        | 00000/0000            | 2-20026/0554         | 05/31/76         | 30                  | 6899            | 33.0         | 195.0        | FGG                   |                     |                      | 236                   | 3                    |
| 01450E                      | 1842N | 2368-08410        | 00000/0000            | 2-20020/0279         | 01/25/76         | 100                 | 5126            | 37.0         | 133.5        | GGGG                  |                     |                      | 199                   | 47                   |
| 01449E                      | 1842N | 2386-08404        | 00000/0000            | 2-20020/1490         | 02/12/76         | 0                   | 5377            | 40.0         | 128.0        | FFGG                  |                     |                      | 199                   | 47                   |
| 01447E                      | 7641N | 2488-11122        | 00000/0000            | 2-20026/0014         | 05/24/76         | 100                 | 6801            | 34.1         | 134.5        | GGGG                  |                     |                      | 229                   | 5                    |
| 01447E                      | 7529N | 2503-10552        | 00000/0000            | 2-20026/0976         | 06/08/76         | 40                  | 7010            | 37.4         | 178.9        | GGGG                  |                     |                      | 226                   | 6                    |
| 01441E                      | 1139N | 2457-08350        | 00000/0000            | 2-20024/0470         | 04/23/76         | 50                  | 6367            | 54.7         | 84.6         | GGGG                  |                     |                      | 198                   | 52                   |
| 01438E                      | 7925N | 2535-12130        | 00000/0000            | 2-20029/0007         | 07/10/76         | 20                  | 7457            | 32.3         | 198.6        | GGGG                  |                     |                      | 240                   | 2                    |
| 01438E                      | 2311N | 2459-08430        | 00000/0000            | 2-20024/0576         | 04/25/76         | 0                   | 6395            | 56.3         | 101.1        | GGGG                  |                     |                      | 200                   | 44                   |
| 01438E                      | 1723N | 2458-08390        | 00000/0000            | 2-20024/0299         | 04/24/76         | 0                   | 6381            | 55.9         | 92.5         | FGFG                  |                     |                      | 199                   | 48                   |
| 01438E                      | 1133N | 2493-08340        | 00000/0000            | 2-20026/0263         | 05/29/76         | 0                   | 6869            | 54.0         | 68.9         | GGGG                  |                     |                      | 198                   | 52                   |
| 01437E                      | 2308N | 2441-08433        | 00000/0000            | 2-20022/1504         | 04/07/76         | 0                   | 6144            | 52.7         | 110.2        | GGGG                  |                     |                      | 200                   | 44                   |
| 01437E                      | 2308N | 2567-08401        | 00000/0000            | 2-20030/1139         | 08/11/76         | 10                  | 7901            | 54.6         | 96.3         | GGGG                  |                     |                      | 200                   | 44                   |
| 01437E                      | 1725N | 2440-08392        | 00000/0000            | 2-20022/1444         | 04/06/76         | 0                   | 6130            | 53.2         | 102.7        | GGGG                  |                     |                      | 199                   | 48                   |
| 01437E                      | 0547N | 2366-08332        | 00000/0000            | 2-20019/0205         | 01/23/76         | 10                  | 5098            | 43.3         | 124.0        | FGGG                  |                     |                      | 197                   | 56                   |
| 01436E                      | 1722N | 2422-08401        | 00000/0000            | 2-20021/1740         | 03/19/76         | 0                   | 5879            | 49.2         | 112.0        | GGGG                  |                     |                      | 199                   | 48                   |
| 01435E                      | 2846N | 2388-08491        | 00000/0000            | 2-20020/1564         | 02/14/76         | 0                   | 5405            | 35.1         | 134.9        | GGGG                  |                     |                      | 201                   | 40                   |
| 01435E                      | 2842N | 2370-08494        | 00000/0000            | 2-20020/0365         | 01/27/76         | 70                  | 5154            | 31.2         | 139.3        | GGGG                  |                     |                      | 201                   | 40                   |
| 01434E                      | 2308N | 2423-08441        | 00000/0000            | 2-20022/0370         | 03/20/76         | 10                  | 5893            | 47.9         | 118.3        | FGGG                  |                     |                      | 200                   | 44                   |
| 01432E                      | 1132N | 2385-08371        | 00000/0000            | 2-20020/1391         | 02/11/76         | 30                  | 5363            | 43.0         | 122.2        | FGGG                  |                     |                      | 198                   | 52                   |
| 01430E                      | 2301N | 2405-08444        | 00000/0000            | 2-20021/1013         | 03/02/76         | 50                  | 5642            | 42.7         | 125.1        | FGGG                  |                     |                      | 200                   | 44                   |
| 01430E                      | 1718N | 2404-08404        | 00000/0000            | 2-20021/0963         | 03/01/76         | 10                  | 5628            | 44.7         | 120.0        | GGGG                  |                     |                      | 199                   | 48                   |
| 01429E                      | 8011N | 2487-12482        | 00000/0000            | 2-20025/1118         | 05/23/76         | 50                  | 6788            | 29.3         | 209.9        | GGGG                  |                     |                      | 245                   | 1                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RSLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01429E                                  | 2259N             | 2387-08451                   | 00000/0000                  | 2-20020/1446     | 02/13/76            | 10              | 5391         | 38.0         | 131.0                              |                     |                      | 200                   | 44                   |
| 01429E                                  | 2258N             | 2389-08453                   | 00000/0000                  | 2-20020/0410     | 01/26/76            | 0               | 5140         | 34.6         | 134.0                              | GFGG                |                      | 200                   | 44                   |
| 01429E                                  | 1716N             | 2368-08413                   | 00000/0000                  | 2-20020/0280     | 01/25/76            | 100             | 5126         | 37.8         | 132.5                              | GFGG                |                      | 199                   | 48                   |
| 01428E                                  | 7750N             | 2456-11355                   | 00000/0000                  | 2-20024/0325     | 04/22/76            | 40              | 6355         | 24.3         | 189.7                              | GFGG                |                      | 232                   | 4                    |
| 01428E                                  | 1715N             | 2386-08411                   | 00000/0000                  | 2-20020/1491     | 02/12/76            | 0               | 5377         | 40.7         | 126.8                              | GFGG                |                      | 199                   | 48                   |
| 01427E                                  | 7931N             | 2482-12201                   | 00000/0000                  | 2-20025/0766     | 05/18/76            | 90              | 6718         | 29.4         | 202.4                              | GFGG                |                      | 240                   | 2                    |
| 01424E                                  | 7636N             | 2506-11120                   | 00000/0000                  | 2-20024/1354     | 06/11/76            | 100             | 7052         | 36.5         | 183.1                              | GFGG                |                      | 229                   | 5                    |
| 01424E                                  | 3302N             | 2389-08534                   | 00000/0000                  | 2-20020/1569     | 02/15/76            | 10              | 5419         | 32.8         | 137.5                              | GFGG                |                      | 202                   | 37                   |
| 01420E                                  | 8010N             | 2559-12442                   | 00000/0000                  | 2-20030/0743     | 08/03/76            | 90              | 7792         | 26.3         | 206.3                              | GFGG                |                      | 245                   | 1                    |
| 01420E                                  | 7748N             | 2474-11352                   | 00000/0000                  | 2-20025/0126     | 05/10/76            | 30              | 6606         | 29.8         | 190.2                              | GFGG                |                      | 232                   | 4                    |
| 01420E                                  | 1012N             | 2457-08352                   | 00000/0000                  | 2-20024/0471     | 04/23/76            | 20              | 6367         | 54.3         | 82.5                               | FFFF                |                      | 198                   | 53                   |
| 01419E                                  | 7835N             | 2549-11501                   | 00000/0000                  | 2-20030/0073     | 07/24/76            | 60              | 7652         | 31.0         | 191.7                              | GFGG                |                      | 236                   | 3                    |
| 01419E                                  | 7636N             | 2542-11110                   | 00000/0000                  | 2-20024/1743     | 07/17/76            | 90              | 7554         | 34.6         | 181.0                              | GFGG                |                      | 229                   | 5                    |
| 01419E                                  | 7546N             | 2468-11015                   | 00000/0000                  | 2-20024/1461     | 05/04/76            | 40              | 6522         | 30.3         | 180.9                              | GFGG                |                      | 226                   | 6                    |
| 01418E                                  | 1007N             | 2493-08343                   | 00000/0000                  | 2-20026/0264     | 05/29/76            | 10              | 6869         | 53.3         | 67.2                               | GFGG                |                      | 198                   | 53                   |
| 01417E                                  | 1556N             | 2458-08392                   | 00000/0000                  | 2-20024/0300     | 04/24/76            | 0               | 6381         | 55.7         | 90.3                               | GFGG                |                      | 199                   | 49                   |
| 01416E                                  | 2144N             | 2459-08433                   | 00000/0000                  | 2-20024/0577     | 04/25/76            | 0               | 6395         | 56.3         | 98.8                               | GFGG                |                      | 200                   | 45                   |
| 01416E                                  | 1558N             | 2440-08400                   | 00000/0000                  | 2-20022/1445     | 04/06/76            | 0               | 6130         | 53.2         | 100.6                              | GFGG                |                      | 199                   | 49                   |
| 01415E                                  | 2141N             | 2441-08440                   | 00000/0000                  | 2-20022/1505     | 04/07/76            | 0               | 6144         | 52.9         | 108.1                              | FGGG                |                      | 200                   | 45                   |
| 01414E                                  | 2141N             | 2567-08403                   | 00000/0000                  | 2-20030/1140     | 08/11/76            | 30              | 7901         | 54.5         | 94.2                               | GFGG                |                      | 200                   | 45                   |
| 01413E                                  | 1553N             | 2512-08380                   | 00000/0000                  | 2-20026/1749     | 06/17/76            | 0               | 7134         | 55.0         | 71.7                               | GFGG                |                      | 199                   | 49                   |
| 01413E                                  | 1551N             | 2494-08383                   | 00000/0000                  | 2-20026/0090     | 05/30/76            | 100             | 6883         | 56.0         | 74.3                               | GFGG                |                      | 199                   | 49                   |
| 01412E                                  | 2720N             | 2388-08494                   | 00000/0000                  | 2-20020/1565     | 02/14/76            | 20              | 5405         | 35.9         | 133.9                              | GFGG                |                      | 201                   | 41                   |
| 01412E                                  | 2717N             | 2370-08500                   | 00000/0000                  | 2-20020/0366     | 01/27/76            | 0               | 5154         | 32.1         | 138.4                              | GFGG                |                      | 201                   | 41                   |
| 01412E                                  | 2142N             | 2423-08443                   | 00000/0000                  | 2-20022/0371     | 03/20/76            | 10              | 5893         | 48.3         | 116.7                              | GFGG                |                      | 200                   | 45                   |
| 01412E                                  | 1006N             | 2403-08370                   | 00000/0000                  | 2-20021/0894     | 02/29/76            | 10              | 5614         | 46.7         | 113.0                              | GFGG                |                      | 198                   | 53                   |
| 01411E                                  | 7832N             | 2531-11504                   | 00000/0000                  | 2-20024/0933     | 07/06/76            | 80              | 7401         | 33.9         | 192.1                              | GFGG                |                      | 236                   | 3                    |
| 01411E                                  | 1005N             | 2385-08373                   | 00000/0000                  | 2-20020/1392     | 02/11/76            | 60              | 5363         | 43.5         | 120.9                              | FGGG                |                      | 198                   | 53                   |
| 01410E                                  | 6656N             | 2456-09561                   | 00000/0000                  | 2-20024/0321     | 04/22/76            | 60              | 6354         | 34.3         | 160.7                              | GFGG                |                      | 215                   | 13                   |
| 01410E                                  | 1552N             | 2404-08410                   | 00000/0000                  | 2-20021/0964     | 03/01/76            | 0               | 5628         | 45.2         | 118.6                              | GFGG                |                      | 199                   | 49                   |
| 01408E                                  | 2134N             | 2405-08451                   | 00000/0000                  | 2-20021/1014     | 03/02/76            | 10              | 5642         | 43.3         | 123.8                              | FPFG                |                      | 200                   | 45                   |
| 01408E                                  | 2133N             | 2387-08454                   | 00000/0000                  | 2-20020/1447     | 02/13/76            | 10              | 5391         | 38.8         | 129.9                              | GFGG                |                      | 200                   | 45                   |
| 01408E                                  | 1550N             | 2362-08415                   | 00000/0000                  | 2-20020/0281     | 01/25/76            | 100             | 5126         | 38.6         | 131.4                              | GFGG                |                      | 199                   | 49                   |
| 01407E                                  | 2132N             | 2369-08460                   | 00000/0000                  | 2-20020/0411     | 01/26/76            | 0               | 5140         | 35.5         | 135.1                              | GFGG                |                      | 200                   | 45                   |
| 01407E                                  | 1549N             | 2384-08413                   | 00000/0000                  | 2-20020/1492     | 02/12/76            | 0               | 5377         | 41.3         | 125.6                              | GFGG                |                      | 199                   | 49                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01406E 6535N                            | 2455-09510        | 00000/0000                   | 2-20024/0306               | 04/21/76         | 30                  | 6340            | 35.0         | 158.7        | GGGF                               |                     |                      | 214                   | 14                   |
| 01405E 6634N                            | 2474-09555        | 00000/0000                   | 2-20025/0120               | 05/10/76         | 90                  | 6605            | 39.7         | 160.2        | GGGG                               |                     |                      | 215                   | 13                   |
| 01404E 6534N                            | 2437-09513        | 00000/0000                   | 2-20022/1218               | 04/03/76         | 30                  | 6089            | 28.4         | 158.7        | FGGG                               |                     |                      | 214                   | 14                   |
| 01403E 8045N                            | 2458-13285        | 00000/0000                   | 2-20024/0480               | 04/24/76         | 10                  | 6384            | 20.4         | 218.6        | GGGG                               |                     |                      | 239                   | 247                  |
| 01359E 3136N                            | 2389-08541        | 00000/0000                   | 2-20020/1570               | 02/15/76         | 60                  | 5419            | 33.7         | 136.5        | GGGG                               |                     |                      | 202                   | 38                   |
| 01358E 1003S                            | 2472-08233        | 00000/0000                   | 2-20025/0049               | 05/08/76         | 30                  | 6576            | 42.6         | 55.2         | GGGG                               |                     |                      | 195                   | 67                   |
| 01357E 6645N                            | 2492-09552        | 00000/0000                   | 2-20026/0359               | 05/23/76         | 10                  | 6856            | 43.6         | 158.8        | GGGG                               |                     |                      | 215                   | 13                   |
| 01357E 0840N                            | 2493-08345        | 00000/0000                   | 2-20026/0445               | 05/29/76         | 10                  | 6869            | 52.5         | 65.5         | FG G                               |                     |                      | 198                   | 54                   |
| 01356E 6642N                            | 2420-09572        | 00000/0000                   | 2-20021/1545               | 03/17/76         | 20                  | 5852            | 20.8         | 160.0        | GGGG                               |                     |                      | 215                   | 13                   |
| 01355E 7842N                            | 2478-11574        | 00000/0000                   | 2-20025/0376               | 05/14/76         | 40                  | 6642            | 29.7         | 195.9        | GGGG                               |                     |                      | 234                   | 3                    |
| 01355E 1431N                            | 2440-08402        | 00000/0000                   | 2-20022/1446               | 04/06/76         | 0                   | 6130            | 53.2         | 98.6         | GGGG                               |                     |                      | 199                   | 50                   |
| 01355E 1430N                            | 2458-08395        | 00000/0000                   | 2-20024/0301               | 04/24/76         | 0                   | 6381            | 55.4         | 88.1         | GGGG                               |                     |                      | 199                   | 50                   |
| 01354E 6526N                            | 2491-09500        | 00000/0000                   | 2-20026/0348               | 05/27/76         | 10                  | 6842            | 44.4         | 156.7        | GGGG                               |                     |                      | 214                   | 14                   |
| 01354E 2018N                            | 2459-08435        | 00000/0000                   | 2-20024/0578               | 04/25/76         | 0                   | 6395            | 56.3         | 96.5         | FGGG                               |                     |                      | 200                   | 46                   |
| 01353E 7927N                            | 2500-12194        | 00000/0000                   | 2-20026/0822               | 06/05/76         | 10                  | 6969            | 32.5         | 201.2        | GGGG                               |                     |                      | 241                   | 2                    |
| 01353E 2015N                            | 2441-08442        | 00000/0000                   | 2-20022/1506               | 04/07/76         | 0                   | 6144            | 53.1         | 106.1        | GG G                               |                     |                      | 200                   | 46                   |
| 01353E 1427N                            | 2422-08410        | 00000/0000                   | 2-20021/1741               | 03/19/76         | 0                   | 5879            | 49.8         | 108.5        | GGGG                               |                     |                      | 199                   | 50                   |
| 01352E 7649N                            | 2471-11183        | 00000/0000                   | 2-20024/1766               | 05/07/76         | 30                  | 6564            | 30.1         | 185.2        | GGGG                               |                     |                      | 230                   | 5                    |
| 01352E 4733N                            | 2447-09104        | 00000/0000                   | 2-20023/0441               | 04/13/76         | 70                  | 6228            | 44.6         | 138.5        | G GG                               |                     |                      | 206                   | 27                   |
| 01352E 1427N                            | 2512-08383        | 00000/0000                   | 2-20026/1750               | 06/17/76         | 10                  | 7134            | 54.3         | 69.9         | GGGG                               |                     |                      | 199                   | 50                   |
| 01352E 0839N                            | 2403-08373        | 00000/0000                   | 2-20021/0895               | 02/29/76         | 10                  | 5614            | 47.0         | 111.4        | GGGG                               |                     |                      | 198                   | 54                   |
| 01351E 8007N                            | 2505-12475        | 00000/0000                   | 2-20026/1662               | 06/10/76         | 90                  | 7039            | 31.9         | 208.3        | GGGG                               |                     |                      | 246                   | 1                    |
| 01351E 2015N                            | 2423-08450        | 00000/0000                   | 2-20022/0372               | 03/20/76         | 10                  | 5893            | 48.7         | 115.0        | FFGG                               |                     |                      | 200                   | 46                   |
| 01351E 0838N                            | 2385-08380        | 00000/0000                   | 2-20020/1393               | 02/11/76         | 90                  | 5363            | 44.1         | 119.6        | GGGF                               |                     |                      | 198                   | 54                   |
| 01351E 6753S                            | 2382-07000        | 00000/0000                   | 2-20020/1171               | 02/08/76         | 90                  | 5320            | 23.6         | 71.8         | GGGG                               |                     |                      | 177                   | 108                  |
| 01349E 7537N                            | 2486-11012        | 00000/0000                   | 2-20025/1066               | 05/22/76         | 90                  | 6773            | 34.9         | 180.3        | GGGG                               |                     |                      | 227                   | 6                    |
| 01349E 4730N                            | 2465-09101        | 00000/0000                   | 2-20024/1106               | 05/01/76         | 0                   | 6479            | 50.3         | 135.2        | GGGG                               |                     |                      | 206                   | 27                   |
| 01349E 2554N                            | 2388-08500        | 00000/0000                   | 2-20020/1566               | 02/14/76         | 20                  | 5405            | 36.7         | 132.8        | GGGG                               |                     |                      | 201                   | 42                   |
| 01349E 1426N                            | 2404-08413        | 00000/0000                   | 2-20021/0976               | 03/01/76         | 20                  | 5628            | 45.7         | 117.1        | GGGG                               |                     |                      | 199                   | 50                   |
| 01348E 6640N                            | 2528-09542        | 00000/0000                   | 2-20028/0546               | 07/03/76         | 90                  | 7358            | 44.8         | 155.7        | GGGG                               |                     |                      | 215                   | 13                   |
| 01348E 2551N                            | 2370-08503        | 00000/0000                   | 2-20020/0367               | 01/27/76         | 30                  | 5154            | 33.0         | 137.6        | GGGG                               |                     |                      | 201                   | 42                   |
| 01347E 1424N                            | 2368-08422        | 00000/0000                   | 2-20020/0282               | 01/25/76         | 90                  | 5126            | 39.3         | 130.4        | GGGG                               |                     |                      | 199                   | 50                   |
| 01346E 2009N                            | 2405-08453        | 00000/0000                   | 2-20021/1015               | 03/02/76         | 10                  | 5642            | 43.9         | 122.4        | FFFG                               |                     |                      | 200                   | 46                   |
| 01346E 2007N                            | 2387-08460        | 00000/0000                   | 2-20020/1448               | 02/13/76         | 10                  | 5391            | 39.5         | 128.8        | GGGG                               |                     |                      | 200                   | 46                   |
| 01346E 1423N                            | 2386-08420        | 00000/0000                   | 2-20020/1493               | 02/12/76         | 0                   | 5377            | 42.0         | 124.4        | GGGG                               |                     |                      | 199                   | 50                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01345E 4722N                            | 2483-09094        | 00000/0000                   | 2-20025/0826                | 05/19/76         | 20                  | 6730            | 54.4         | 131.1        | GGGG                               |                     |                      | 206                   | 27                   |
| 01345E 2006N                            | 2369-08462        | 00000/0000                   | 2-20020/0412                | 01/26/76         | 0                   | 5140            | 36.3         | 134.1        | FGGG                               |                     |                      | 200                   | 46                   |
| 01344E 8013N                            | 2470-12543        | 00000/0000                   | 2-20024/1697                | 05/06/76         | 10                  | 6551            | 25.2         | 210.3        | GGGG                               |                     |                      | 246                   | 1                    |
| 01342E 7741N                            | 2492-11345        | 00000/0000                   | 2-20026/0381                | 05/25/76         | 40                  | 6857            | 33.7         | 189.3        | GGGG                               |                     |                      | 233                   | 4                    |
| 01338E 7936N                            | 2465-12262        | 00000/0000                   | 2-20024/1111                | 05/01/76         | 20                  | 6481            | 24.9         | 202.7        | GGGG                               |                     |                      | 241                   | 2                    |
| 01337E 8006N                            | 2541-12465        | 00000/0000                   | 2-20028/1588                | 07/16/76         | 70                  | 7541            | 30.3         | 206.1        | FGGG                               |                     |                      | 246                   | 1                    |
| 01335E 1303N                            | 2458-08401        | 00000/0000                   | 2-20024/0302                | 04/24/76         | 10                  | 6381            | 55.1         | 86.0         | GGGG                               |                     |                      | 199                   | 51                   |
| 01334E 3010N                            | 2389-08543        | 00000/0000                   | 2-20020/1571                | 02/15/76         | 30                  | 5419            | 34.6         | 135.6        | GGGG                               |                     |                      | 202                   | 39                   |
| 01334E 2435N                            | 2442-08485        | 00000/0000                   | 2-20022/1525                | 04/08/76         | 0                   | 6158            | 52.7         | 111.7        | GGGG                               |                     |                      | 201                   | 43                   |
| 01334E 1304N                            | 2440-08405        | 00000/0000                   | 2-20022/1447                | 04/06/76         | 10                  | 6130            | 53.2         | 96.6         | GGGG                               |                     |                      | 199                   | 51                   |
| 01333E 2437N                            | 2568-08452        | 00000/0000                   | 2-20030/1202                | 08/12/76         | 80                  | 7915            | 54.6         | 99.0         | GFGG                               |                     |                      | 201                   | 43                   |
| 01333E 1852N                            | 2459-08442        | 00000/0000                   | 2-20024/0579                | 04/25/76         | 20                  | 6395            | 56.2         | 94.2         | GGGG                               |                     |                      | 200                   | 47                   |
| 01332E 2434N                            | 2586-08445        | 00000/0000                   | 2-20032/0678                | 08/30/76         | 0                   | 8166            | 52.9         | 108.8        | GGGG                               |                     |                      | 201                   | 43                   |
| 01332E 1849N                            | 2441-08445        | 00000/0000                   | 2-20022/1507                | 04/07/76         | 0                   | 6144            | 53.3         | 104.1        | GFGG                               |                     |                      | 200                   | 47                   |
| 01332E 1301N                            | 2422-08412        | 00000/0000                   | 2-20021/1742                | 03/19/76         | 0                   | 5879            | 50.0         | 106.7        | GGGG                               |                     |                      | 199                   | 51                   |
| 01332E 0712N                            | 2403-08375        | 00000/0000                   | 2-20021/0896                | 02/29/76         | 80                  | 5614            | 47.3         | 109.9        | GGGG                               |                     |                      | 198                   | 55                   |
| 01331E 7534N                            | 2558-10593        | 00000/0000                   | 2-20030/0655                | 08/02/76         | 100                 | 7777            | 32.1         | 176.8        | GGGG                               |                     |                      | 227                   | 6                    |
| 01331E 1300N                            | 2512-08385        | 00000/0000                   | 2-20026/1790                | 06/17/76         | 10                  | 7134            | 53.6         | 68.1         | GGGG                               |                     |                      | 199                   | 51                   |
| 01331E 0711N                            | 2367-08334        | 00000/0000                   | 2-20020/0018                | 01/24/76         | 10                  | 5112            | 42.7         | 124.8        | GGGG                               |                     |                      | 198                   | 55                   |
| 01329E 1849N                            | 2423-08452        | 00000/0000                   | 2-20022/0373                | 03/20/76         | 10                  | 5893            | 49.1         | 113.3        | FGGF                               |                     |                      | 200                   | 47                   |
| 01329E 1259N                            | 2404-08415        | 00000/0000                   | 2-20021/0977                | 03/01/76         | 50                  | 5628            | 46.1         | 115.6        | GGGG                               |                     |                      | 199                   | 51                   |
| 01326E 2428N                            | 2388-08503        | 00000/0000                   | 2-20020/1567                | 02/14/76         | 40                  | 5405            | 37.5         | 131.8        | GGGG                               |                     |                      | 201                   | 43                   |
| 01326E 1257N                            | 2368-08424        | 00000/0000                   | 2-20020/0283                | 01/25/76         | 60                  | 5126            | 40.1         | 129.3        | FGGG                               |                     |                      | 199                   | 51                   |
| 01326E 1256N                            | 2386-08422        | 00000/0000                   | 2-20020/1293                | 02/12/76         | 0                   | 5377            | 42.6         | 123.1        | FFFF                               |                     |                      | 199                   | 51                   |
| 01326E 2424N                            | 2370-08505        | 00000/0000                   | 2-20020/0368                | 01/27/76         | 30                  | 5154            | 33.9         | 136.7        | GGGG                               |                     |                      | 201                   | 43                   |
| 01325E 1843N                            | 2405-08460        | 00000/0000                   | 2-20021/1016                | 03/02/76         | 0                   | 5642            | 44.5         | 121.0        | FGGG                               |                     |                      | 200                   | 47                   |
| 01324E 7838N                            | 2496-11572        | 00000/0000                   | 2-20026/0529                | 06/01/76         | 10                  | 6913            | 33.2         | 194.8        | GGGG                               |                     |                      | 237                   | 3                    |
| 01324E 1841N                            | 2387-08463        | 00000/0000                   | 2-20020/1449                | 02/13/76         | 10                  | 5391            | 40.2         | 127.6        | FFGG                               |                     |                      | 200                   | 47                   |
| 01324E 1840N                            | 2369-08465        | 00000/0000                   | 2-20020/0319                | 01/26/76         | 100                 | 5140            | 37.1         | 133.2        | GGFG                               |                     |                      | 200                   | 47                   |
| 01324E 0544S                            | 2365-08310        | 00000/0000                   | 2-20020/0098                | 01/22/76         | 90                  | 5084            | 47.2         | 113.1        | FGGG                               |                     |                      | 196                   | 64                   |
| 01322E 7640N                            | 2489-11151        | 00000/0000                   | 2-20026/0081                | 05/25/76         | 50                  | 6815            | 34.3         | 184.4        | GGFG                               |                     |                      | 230                   | 5                    |
| 01321E 7737N                            | 2528-11335        | 00000/0000                   | 2-20028/0551                | 07/03/76         | 90                  | 7359            | 35.3         | 186.6        | GGGG                               |                     |                      | 233                   | 4                    |
| 01321E 7528N                            | 2504-11010        | 00000/0000                   | 2-20026/1120                | 06/09/76         | 40                  | 7024            | 37.5         | 178.8        | GGGG                               |                     |                      | 227                   | 6                    |
| 01314E 1136N                            | 2458-08404        | 00000/0000                   | 2-20024/0303                | 04/24/76         | 20                  | 6381            | 54.8         | 83.9         | GGFG                               |                     |                      | 199                   | 52                   |
| 01313E 7751N                            | 2457-11413        | 00000/0000                   | 2-20023/0538                | 04/23/76         | 70                  | 6369            | 24.7         | 189.9        | GGGG                               |                     |                      | 233                   | 4                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>PBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01312E 2844N                            | 2371-08552        | 00000/0000                   | 2-20020/0483                | 01/28/76         | 80                  | 5168            | 31.4         | 139.0        | PPP                                |                     |                      | 202                   | 40                   |
| 01312E 2308N                            | 2442-08492        | 00000/0000                   | 2-20022/1526                | 04/08/76         | 0                   | 6158            | 52.9         | 109.7        | GGGG                               |                     |                      | 201                   | 44                   |
| 01312E 1725N                            | 2459-08444        | 00000/0000                   | 2-20024/0580                | 04/25/76         | 40                  | 6395            | 56.0         | 92.0         | GGGG                               |                     |                      | 200                   | 48                   |
| 01311E 2310N                            | 2558-08455        | 00000/0000                   | 2-20030/1203                | 08/12/76         | 40                  | 7915            | 54.6         | 96.9         | GGGG                               |                     |                      | 201                   | 44                   |
| 01311E 1722N                            | 2441-08451        | 00000/0000                   | 2-20022/1508                | 04/07/76         | 10                  | 6144            | 53.4         | 102.0        | GGFG                               |                     |                      | 200                   | 48                   |
| 01310E 2845N                            | 2385-08550        | 00000/0000                   | 2-20020/1572                | 02/15/76         | 40                  | 5419            | 35.4         | 134.6        | GGGG                               |                     |                      | 202                   | 40                   |
| 01309E 7026S                            | 2398-06490        | 00000/0000                   | 2-20021/0549                | 02/24/76         | 90                  | 5543            | 16.5         | 72.2         | FGGG                               |                     |                      | 175                   | 110                  |
| 01308E 1133N                            | 2404-08422        | 00000/0000                   | 2-20021/0978                | 03/01/76         | 10                  | 5628            | 46.5         | 114.1        | GGGG                               |                     |                      | 199                   | 52                   |
| 01305E 1131N                            | 2368-08431        | 00000/0000                   | 2-20020/0284                | 01/25/76         | 0                   | 5126            | 40.8         | 128.1        | GGGG                               |                     |                      | 199                   | 52                   |
| 01304E 7634N                            | 2507-11174        | 00000/0000                   | 2-20024/1386                | 06/12/76         | 90                  | 7066            | 36.6         | 183.0        | GGGG                               |                     |                      | 230                   | 5                    |
| 01304E 1716N                            | 2405-08462        | 00000/0000                   | 2-20021/1017                | 03/02/76         | 0                   | 5642            | 45.0         | 119.6        | GGGG                               |                     |                      | 200                   | 48                   |
| 01303E 2302N                            | 2358-08505        | 00000/0000                   | 2-20020/1568                | 02/14/76         | 40                  | 5405            | 38.3         | 130.7        | GGGG                               |                     |                      | 201                   | 44                   |
| 01303E 2258N                            | 2370-08512        | 00000/0000                   | 2-20020/0369                | 01/27/76         | 0                   | 5154            | 34.8         | 135.8        | GGGG                               |                     |                      | 201                   | 44                   |
| 01303E 1714N                            | 2369-08471        | 00000/0000                   | 2-20020/0320                | 01/26/76         | 90                  | 5140            | 37.9         | 132.1        | GGGG                               |                     |                      | 200                   | 48                   |
| 01303E 1714N                            | 2387-08465        | 00000/0000                   | 2-20020/1450                | 02/13/76         | 10                  | 5391            | 40.9         | 126.4        | GGGG                               |                     |                      | 200                   | 48                   |
| 01302E 4857N                            | 2466-09153        | 00000/0000                   | 2-20024/1178                | 05/02/76         | 10                  | 6493            | 49.8         | 136.9        | GGGG                               |                     |                      | 207                   | 26                   |
| 01301E 4856N                            | 2448-09160        | 00000/0000                   | 2-20023/0169                | 04/14/76         | 30                  | 6242            | 44.2         | 139.9        | GGGG                               |                     |                      | 207                   | 26                   |
| 01300E 8010N                            | 2488-12540        | 00000/0000                   | 2-20026/0016                | 05/24/76         | 90                  | 6802            | 29.5         | 209.7        | GGG                                |                     |                      | 246                   | 1                    |
| 01300E 3301N                            | 2372-08595        | 00000/0000                   | 2-20020/0548                | 01/29/76         | 10                  | 5182            | 28.8         | 141.3        | GGGG                               |                     |                      | 203                   | 37                   |
| 01259E 7846N                            | 2461-12035        | 00000/0000                   | 2-20024/0673                | 04/27/76         | 40                  | 6425            | 24.8         | 195.9        | GGGG                               |                     |                      | 237                   | 3                    |
| 01255E 7637N                            | 2543-11164        | 00000/0000                   | 2-20028/1348                | 07/18/76         | 60                  | 7568            | 34.4         | 181.0        | GGGG                               |                     |                      | 230                   | 5                    |
| 01253E 1010N                            | 2458-08410        | 00000/0000                   | 2-20024/0472                | 04/24/76         | 10                  | 6381            | 54.4         | 81.9         | GGGG                               |                     |                      | 199                   | 53                   |
| 01252E 7930N                            | 2483-12255        | 00000/0000                   | 2-20025/0832                | 05/19/76         | 80                  | 6732            | 29.7         | 202.3        | GGGG                               |                     |                      | 242                   | 2                    |
| 01252E 1859N                            | 2459-08451        | 00000/0000                   | 2-20024/0581                | 04/25/76         | 20                  | 6395            | 55.8         | 89.8         | GGGG                               |                     |                      | 200                   | 49                   |
| 01251E 7545N                            | 2469-11073        | 00000/0000                   | 2-20024/1486                | 05/05/76         | 80                  | 6536            | 30.6         | 180.9        | GGGG                               |                     |                      | 227                   | 6                    |
| 01250E 2142N                            | 2442-08494        | 00000/0000                   | 2-20022/1527                | 04/08/76         | 0                   | 6158            | 53.2         | 107.7        | GGGG                               |                     |                      | 201                   | 45                   |
| 01250E 1555N                            | 2441-08454        | 00000/0000                   | 2-20022/1509                | 04/07/76         | 0                   | 6144            | 53.4         | 100.0        | GGGG                               |                     |                      | 200                   | 49                   |
| 01248E 2718N                            | 2371-08554        | 00000/0000                   | 2-20020/0484                | 01/28/76         | 30                  | 5168            | 32.3         | 138.2        | PPP                                |                     |                      | 202                   | 41                   |
| 01247E 1556N                            | 2423-08461        | 00000/0000                   | 2-20022/0374                | 03/20/76         | 60                  | 5893            | 49.7         | 109.8        | FGGF                               |                     |                      | 200                   | 49                   |
| 01246E 1551N                            | 2495-08441        | 00000/0000                   | 2-20026/0519                | 05/31/76         | 100                 | 6897            | 55.9         | 74.1         | GGGG                               |                     |                      | 203                   | 49                   |
| 01245E 1004N                            | 2368-08433        | 00000/0000                   | 2-20020/0285                | 01/25/76         | 20                  | 5126            | 41.5         | 127.0        | GGGG                               |                     |                      | 199                   | 53                   |
| 01243E 1550N                            | 2405-08465        | 00000/0000                   | 2-20021/1018                | 03/02/76         | 0                   | 5642            | 45.5         | 118.1        | FGGG                               |                     |                      | 200                   | 49                   |
| 01242E 1548N                            | 2369-08474        | 00000/0000                   | 2-20020/0321                | 01/26/76         | 80                  | 5140            | 38.7         | 131.1        | GGGG                               |                     |                      | 200                   | 49                   |
| 01241E 2133N                            | 2370-08514        | 00000/0000                   | 2-20020/0370                | 01/27/76         | 10                  | 5154            | 35.6         | 134.8        | GGGG                               |                     |                      | 201                   | 45                   |
| 01241E 1548N                            | 2387-08472        | 00000/0000                   | 2-20020/1451                | 02/13/76         | 10                  | 5391            | 41.5         | 125.2        | FGGG                               |                     |                      | 200                   | 49                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01240E 6536N                            | 2436-09564        | 00000/0000                   | 2-20024/0322                | 04/22/76         | 80                  | 6354            | 35.4         | 158.8        | GGGG                               |                     |                      | 215                   | 14                   |
| 01239E 6652N                            | 2439-10023        | 00000/0000                   | 2-20022/1265                | 04/05/76         | 40                  | 6117            | 28.2         | 160.5        | GGGG                               |                     |                      | 216                   | 13                   |
| 01236E 6533N                            | 2474-09561        | 00000/0000                   | 2-20024/0121                | 05/10/76         | 90                  | 6605            | 40.8         | 158.1        | FGGG                               |                     |                      | 215                   | 14                   |
| 01234E 3136N                            | 2372-09001        | 00000/0000                   | 2-20020/0549                | 01/29/76         | 0                   | 5142            | 29.7         | 140.5        | GGGG                               |                     |                      | 203                   | 38                   |
| 01233E 0843N                            | 2458-08413        | 00000/0000                   | 2-20024/0473                | 04/24/76         | 10                  | 6381            | 53.9         | 80.0         | GGGG                               |                     |                      | 199                   | 54                   |
| 01231E 1432N                            | 2459-08453        | 00000/0000                   | 2-20024/0582                | 04/25/76         | 10                  | 6395            | 55.5         | 87.6         | GGGG                               |                     |                      | 200                   | 50                   |
| 01230E 7928N                            | 2555-12240        | 00000/0000                   | 2-20030/0468                | 07/30/76         | 90                  | 7736            | 28.5         | 198.6        | GGGG                               |                     |                      | 242                   | 2                    |
| 01228E 6525N                            | 2492-09554        | 00000/0000                   | 2-20026/0360                | 05/28/76         | 10                  | 6856            | 44.6         | 156.5        | GGGG                               |                     |                      | 215                   | 14                   |
| 01228E 2016N                            | 2442-08501        | 00000/0000                   | 2-20022/1528                | 04/08/76         | 0                   | 6158            | 53.4         | 105.6        | GGGG                               |                     |                      | 201                   | 46                   |
| 01227E 7646N                            | 2472-11242        | 00000/0000                   | 2-20024/1843                | 05/08/76         | 40                  | 6578            | 30.4         | 185.1        | GGGG                               |                     |                      | 231                   | 5                    |
| 01227E 6522N                            | 2420-09575        | 00000/0000                   | 2-20021/1546                | 03/17/76         | 20                  | 5852            | 21.8         | 158.3        | GGFG                               |                     |                      | 215                   | 14                   |
| 01226E 8014N                            | 2471-13001        | 00000/0000                   | 2-20024/1768                | 05/07/76         | 10                  | 6565            | 25.5         | 210.5        | GGGG                               |                     |                      | 247                   | 1                    |
| 01226E 1430N                            | 2423-08464        | 00000/0000                   | 2-20022/0375                | 03/20/76         | 10                  | 5893            | 50.0         | 108.0        | GGFG                               |                     |                      | 200                   | 50                   |
| 01226E 0839N                            | 2404-08431        | 00000/0000                   | 2-20021/0979                | 03/01/76         | 10                  | 5628            | 47.2         | 111.0        | GGGG                               |                     |                      | 199                   | 54                   |
| 01225E 4732N                            | 2466-09155        | 00000/0000                   | 2-20024/1179                | 05/02/76         | 10                  | 6493            | 50.6         | 135.1        | GGGG                               |                     |                      | 207                   | 27                   |
| 01225E 2552N                            | 2371-08561        | 00000/0000                   | 2-20020/0485                | 01/28/76         | 70                  | 5168            | 33.2         | 137.3        | PPP                                |                     |                      | 202                   | 42                   |
| 01224E 7841N                            | 2479-12033        | 00000/0000                   | 2-20025/0549                | 05/15/76         | 70                  | 6676            | 29.9         | 195.8        | GGGG                               |                     |                      | 237                   | 3                    |
| 01224E 0837N                            | 2368-08440        | 00000/0000                   | 2-20020/0286                | 01/25/76         | 20                  | 5126            | 42.1         | 125.8        | FGGG                               |                     |                      | 199                   | 54                   |
| 01221E 7936N                            | 2466-12320        | 00000/0000                   | 2-20024/1186                | 05/02/76         | 10                  | 6495            | 25.2         | 202.9        | GGFG                               |                     |                      | 242                   | 2                    |
| 01221E 7535N                            | 2437-11071        | 00000/0000                   | 2-20025/1117                | 05/23/76         | 80                  | 6787            | 35.1         | 180.2        | GGGG                               |                     |                      | 228                   | 6                    |
| 01221E 1421N                            | 2369-08480        | 00000/0000                   | 2-20020/0322                | 01/26/76         | 60                  | 5140            | 39.5         | 130.0        | GGGG                               |                     |                      | 200                   | 50                   |
| 01220E 6519N                            | 2528-09545        | 00000/0000                   | 2-20028/0547                | 07/03/76         | 90                  | 7358            | 45.7         | 153.4        | GGGG                               |                     |                      | 215                   | 14                   |
| 01220E 2007N                            | 2370-08521        | 00000/0000                   | 2-20020/0345                | 01/27/76         | 10                  | 5154            | 36.4         | 133.9        | GGGG                               |                     |                      | 201                   | 46                   |
| 01220E 1422N                            | 2387-08474        | 00000/0000                   | 2-20020/1452                | 02/13/76         | 40                  | 5391            | 42.2         | 124.0        | GGFG                               |                     |                      | 200                   | 50                   |
| 01219E 7742N                            | 2493-11403        | 00000/0000                   | 2-20026/0451                | 05/29/76         | 80                  | 6871            | 33.9         | 189.2        | GGGG                               |                     |                      | 234                   | 4                    |
| 01219E 2009N                            | 2388-08514        | 00000/0000                   | 2-20020/1507                | 02/14/76         | 80                  | 5405            | 39.7         | 128.5        | GGGF                               |                     |                      | 201                   | 46                   |
| 01214E 7536N                            | 2559-11051        | 00000/0000                   | 2-20030/0742                | 08/03/76         | 90                  | 7791            | 31.8         | 176.9        | GGGG                               |                     |                      | 228                   | 6                    |
| 01213E 8008N                            | 2506-12533        | 00000/0000                   | 2-20024/1356                | 06/11/76         | 90                  | 7053            | 32.0         | 208.2        | GGGG                               |                     |                      | 247                   | 1                    |
| 01213E 0716N                            | 2438-08415        | 00000/0000                   | 2-20024/0474                | 04/24/76         | 10                  | 6311            | 53.4         | 78.1         | GGGG                               |                     |                      | 199                   | 55                   |
| 01212E 5021N                            | 2467-09205        | 00000/0000                   | 2-20024/1287                | 05/03/76         | 90                  | 6507            | 49.3         | 138.5        | FGFG                               |                     |                      | 208                   | 25                   |
| 01210E 2437N                            | 2461-08540        | 00000/0000                   | 2-20024/0681                | 04/27/76         | 0                   | 5423            | 56.6         | 102.4        | FGGG                               |                     |                      | 202                   | 43                   |
| 01210E 1306N                            | 2459-08460        | 00000/0000                   | 2-20024/0268                | 04/25/76         | 20                  | 6395            | 55.2         | 85.5         | GGGG                               |                     |                      | 200                   | 51                   |
| 01209E 2437N                            | 2443-08543        | 00000/0000                   | 2-20022/1679                | 04/09/76         | 50                  | 6172            | 52.9         | 111.2        | GGGG                               |                     |                      | 202                   | 43                   |
| 01208E 3010N                            | 2372-09004        | 00000/0000                   | 2-20020/0550                | 01/29/76         | 0                   | 5182            | 30.6         | 133.7        | GGGG                               |                     |                      | 203                   | 39                   |
| 01208E 1302N                            | 2441-08463        | 00000/0000                   | 2-20022/1510                | 04/07/76         | 10                  | 6144            | 53.4         | 95.9         | GGGG                               |                     |                      | 200                   | 51                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANK=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RRL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01207E 1849N                            | 2442-08503        | 00000/0000                   | 2-20022/1529               | 04/08/76         | 0                   | 6158            | 53.5         | 103.6        | GGGG                               |                     |                      | 201                   | 47                   |
| 01206E 1302N                            | 2423-08470        | 00000/0000                   | 2-20022/0376               | 03/20/76         | 0                   | 5893            | 50.2         | 106.2        | GGGG                               |                     |                      | 200                   | 51                   |
| 01204E 0713N                            | 2404-08433        | 00000/0000                   | 2-20021/0980               | 03/01/76         | 10                  | 5628            | 47.5         | 109.4        | GGGG                               |                     |                      | 199                   | 55                   |
| 01204E 0712N                            | 2368-08442        | 00000/0000                   | 2-20020/0287               | 01/25/76         | 30                  | 5126            | 42.8         | 124.5        | GGGG                               |                     |                      | 199                   | 55                   |
| 01204E 6910S                            | 2382-07003        | 00000/0000                   | 2-20020/1172               | 02/08/76         | 60                  | 5320            | 22.6         | 72.9         | GFGF                               |                     |                      | 177                   | 109                  |
| 01203E 5006N                            | 2503-09195        | 00000/0000                   | 2-20026/1007               | 06/08/76         | 10                  | 7009            | 55.3         | 131.5        | GGGG                               |                     |                      | 208                   | 25                   |
| 01202E 2426N                            | 2371-08563        | 00000/0000                   | 2-20020/0486               | 01/28/76         | 70                  | 5168            | 34.0         | 136.4        | PPP                                |                     |                      | 202                   | 43                   |
| 01201E 1257N                            | 2405-08474        | 00000/0000                   | 2-20021/1057               | 03/02/76         | 10                  | 5642            | 46.3         | 115.1        | GFGF                               |                     |                      | 200                   | 51                   |
| 01159E 8007N                            | 2542-12524        | 00000/0000                   | 2-20028/1746               | 07/17/76         | 70                  | 7555            | 30.1         | 205.9        | GGGG                               |                     |                      | 247                   | 1                    |
| 01159E 1256N                            | 2387-08481        | 00000/0000                   | 2-20020/1453               | 02/13/76         | 10                  | 5391            | 42.8         | 122.7        | GFGG                               |                     |                      | 200                   | 51                   |
| 01158E 1843N                            | 2388-08521        | 00000/0000                   | 2-20020/1508               | 02/14/76         | 80                  | 5405            | 40.4         | 127.3        | GFGG                               |                     |                      | 201                   | 47                   |
| 01158E 1841N                            | 2370-08523        | 00000/0000                   | 2-20020/0346               | 01/27/76         | 0                   | 5154            | 37.3         | 132.9        | GGGG                               |                     |                      | 201                   | 47                   |
| 01154E 7530N                            | 2505-11064        | 00000/0000                   | 2-20026/1661               | 06/10/76         | 90                  | 7038            | 37.6         | 178.8        | GGGG                               |                     |                      | 228                   | 6                    |
| 01154E 7529N                            | 2541-11054        | 00000/0000                   | 2-20028/1586               | 07/16/76         | 90                  | 7540            | 35.8         | 176.6        | GGGG                               |                     |                      | 228                   | 6                    |
| 01153E 7925N                            | 2537-12243        | 00000/0000                   | 2-20028/1263               | 07/12/76         | 70                  | 7485            | 32.0         | 198.5        | GGGG                               |                     |                      | 242                   | 2                    |
| 01151E 7738N                            | 2547-11391        | 00000/0000                   | 2-20030/0101               | 07/22/76         | 60                  | 7624            | 32.5         | 186.0        | GGGG                               |                     |                      | 234                   | 4                    |
| 01149E 1139N                            | 2459-08462        | 00000/0000                   | 2-20024/0269               | 04/25/76         | 40                  | 6395            | 54.8         | 83.4         | FFGG                               |                     |                      | 200                   | 52                   |
| 01148E 7737N                            | 2529-11394        | 00000/0000                   | 2-20028/0694               | 07/04/76         | 90                  | 7373            | 35.2         | 186.5        | GGGG                               |                     |                      | 234                   | 4                    |
| 01148E 2311N                            | 2461-08549        | 00000/0000                   | 2-20024/0682               | 04/27/76         | 0                   | 6423            | 56.6         | 100.0        | GGGG                               |                     |                      | 202                   | 44                   |
| 01147E 2311N                            | 2443-08550        | 00000/0000                   | 2-20022/1680               | 04/09/76         | 10                  | 6172            | 53.2         | 109.2        | GGGG                               |                     |                      | 202                   | 44                   |
| 01146E 7837N                            | 2497-12030        | 00000/0000                   | 2-20026/0147               | 06/02/76         | 50                  | 6927            | 33.3         | 194.7        | GGGG                               |                     |                      | 238                   | 3                    |
| 01145E 1722N                            | 2442-08510        | 00000/0000                   | 2-20022/1530               | 04/08/76         | 0                   | 6158            | 53.6         | 101.5        | GGGG                               |                     |                      | 201                   | 48                   |
| 01145E 1136N                            | 2423-08473        | 00000/0000                   | 2-20022/0377               | 03/20/76         | 0                   | 5893            | 50.3         | 104.4        | FGGG                               |                     |                      | 200                   | 52                   |
| 01144E 7753N                            | 2458-11471        | 00000/0000                   | 2-20024/0478               | 04/24/76         | 30                  | 6383            | 25.0         | 190.0        | GGGG                               |                     |                      | 234                   | 4                    |
| 01144E 0545N                            | 2368-08445        | 00000/0000                   | 2-20020/0288               | 01/25/76         | 40                  | 5126            | 43.4         | 123.3        | GGGG                               |                     |                      | 199                   | 56                   |
| 01143E 2843N                            | 2372-09010        | 00000/0000                   | 2-20020/0551               | 01/29/76         | 0                   | 5182            | 31.5         | 138.8        | FGGG                               |                     |                      | 203                   | 40                   |
| 01141E 8011N                            | 2489-12594        | 00000/0000                   | 2-20026/0083               | 05/25/76         | 50                  | 6816            | 29.7         | 209.9        | GFFG                               |                     |                      | 247                   | 1                    |
| 01141E 2306N                            | 2425-08553        | 00000/0000                   | 2-20022/0197               | 03/22/76         | 0                   | 5921            | 48.5         | 117.4        | GGGG                               |                     |                      | 202                   | 44                   |
| 01140E 7932N                            | 2484-12313        | 00000/0000                   | 2-20025/0960               | 05/20/76         | 70                  | 6746            | 29.8         | 202.5        | GGGG                               |                     |                      | 242                   | 2                    |
| 01140E 2300N                            | 2371-08570        | 00000/0000                   | 2-20020/0487               | 01/28/76         | 50                  | 5168            | 34.9         | 135.5        | PPP                                |                     |                      | 202                   | 44                   |
| 01140E 1720N                            | 2424-08513        | 00000/0000                   | 2-20021/1765               | 03/21/76         | 100                 | 5907            | 49.7         | 111.0        | GGF                                |                     |                      | 201                   | 48                   |
| 01140E 1131N                            | 2405-08480        | 00000/0000                   | 2-20021/1058               | 03/02/76         | 10                  | 5642            | 46.7         | 113.6        | GFGF                               |                     |                      | 200                   | 52                   |
| 01139E 1130N                            | 2387-08483        | 00000/0000                   | 2-20020/1454               | 02/13/76         | 20                  | 5391            | 43.3         | 121.4        | FFGG                               |                     |                      | 200                   | 52                   |
| 01137E 1717N                            | 2388-08523        | 00000/0000                   | 2-20020/1509               | 02/14/76         | 90                  | 5405            | 41.1         | 126.1        | GGGG                               |                     |                      | 201                   | 48                   |
| 01137E 1715N                            | 2370-08530        | 00000/0000                   | 2-20020/0347               | 01/27/76         | 0                   | 5154            | 38.0         | 131.9        | GGGG                               |                     |                      | 201                   | 48                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1189

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL No./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01135E                                  | 3302N             | 2373-09053                   | 00000/0000                  | 2-20020/0639     | 01/30/76            | 0               | 5196         | 29.0         | 141.0                              | GGFF                |                      | 204                   | 37                   |
| 01134E                                  | 4856N             | 2467-09211                   | 00000/0000                  | 2-20024/1288     | 05/03/76            | 80              | 6507         | 50.1         | 136.7                              | FGFG                |                      | 208                   | 26                   |
| 01131E                                  | 7846N             | 2462-12094                   | 00000/0000                  | 2-20024/0860     | 04/28/76            | 20              | 6439         | 25.1         | 195.8                              | GGGG                |                      | 238                   | 3                    |
| 01128E                                  | 7836N             | 2551-12013                   | 00000/0000                  | 2-20030/0178     | 07/26/76            | 90              | 7680         | 30.6         | 191.7                              | GGGG                |                      | 238                   | 3                    |
| 01128E                                  | 1011N             | 2459-08465                   | 00000/0000                  | 2-20024/0270     | 04/25/76            | 70              | 6395         | 54.4         | 81.4                               | GFGG                |                      | 200                   | 53                   |
| 01127E                                  | 1004N             | 2477-08462                   | 00000/0000                  | 2-20025/0232     | 05/13/76            | 10              | 6646         | 54.2         | 72.4                               | GFGG                |                      | 200                   | 53                   |
| 01125E                                  | 7635N             | 2544-11222                   | 00000/0000                  | 2-20029/0023     | 07/19/76            | 100             | 7582         | 34.2         | 180.9                              | GGGG                |                      | 231                   | 5                    |
| 01125E                                  | 4842N             | 2503-09202                   | 00000/0000                  | 2-20026/1008     | 06/08/76            | 10              | 7009         | 55.9         | 129.2                              | GGGG                |                      | 208                   | 26                   |
| 01125E                                  | 2146N             | 2461-08545                   | 00000/0000                  | 2-20024/0683     | 04/27/76            | 50              | 6423         | 56.6         | 97.7                               | FGGG                |                      | 202                   | 45                   |
| 01125E                                  | 2145N             | 2443-08552                   | 00000/0000                  | 2-20022/1681     | 04/09/76            | 0               | 6172         | 53.4         | 107.2                              | GGGG                |                      | 202                   | 45                   |
| 01125E                                  | 1009N             | 2423-08475                   | 00000/0000                  | 2-20022/0334     | 03/20/76            | 40              | 5893         | 50.4         | 102.6                              | FGGG                |                      | 200                   | 53                   |
| 01124E                                  | 7634N             | 2508-11232                   | 00000/0000                  | 2-20026/1436     | 06/13/76            | 100             | 7080         | 36.7         | 182.8                              | GGGG                |                      | 231                   | 5                    |
| 01124E                                  | 1555N             | 2442-08512                   | 00000/0000                  | 2-20022/1531     | 04/08/76            | 0               | 6158         | 53.6         | 99.5                               | GGGG                |                      | 201                   | 49                   |
| 01122E                                  | 5422N             | 2415-09324                   | 00000/0000                  | 2-20022/0032     | 03/12/76            | 20              | 5782         | 27.9         | 148.2                              | G G                 |                      | 210                   | 22                   |
| 01122E                                  | 1553N             | 2496-08495                   | 00000/0000                  | 2-20026/0660     | 06/01/76            | 90              | 6911         | 55.9         | 73.9                               | GGGG                |                      | 201                   | 49                   |
| 01121E                                  | 1549N             | 2514-08493                   | 00000/0000                  | 2-20024/1849     | 06/19/76            | 70              | 7162         | 54.9         | 71.6                               | GGGG                |                      | 201                   | 49                   |
| 01120E                                  | 5418N             | 2505-09301                   | 00000/0000                  | 2-20026/1300     | 06/10/76            | 30              | 7037         | 53.2         | 137.9                              | FGGG                |                      | 210                   | 22                   |
| 01120E                                  | 1004N             | 2405-08483                   | 00000/0000                  | 2-20021/1059     | 03/02/76            | 10              | 5642         | 47.1         | 112.0                              | GGGF                |                      | 200                   | 52                   |
| 01119E                                  | 2718N             | 2372-09013                   | 00000/0000                  | 2-20020/0552     | 01/29/76            | 0               | 5182         | 32.4         | 138.0                              | GGGG                |                      | 203                   | 41                   |
| 01119E                                  | 2140N             | 2425-08560                   | 00000/0000                  | 2-20022/0198     | 03/22/76            | 0               | 5921         | 48.9         | 115.7                              | GGGF                |                      | 202                   | 45                   |
| 01119E                                  | 1553N             | 2424-08520                   | 00000/0000                  | 2-20021/1766     | 03/21/76            | 80              | 5907         | 50.0         | 109.2                              | GGGG                |                      | 201                   | 49                   |
| 01119E                                  | 1003N             | 2387-08490                   | 00000/0000                  | 2-20020/1455     | 02/13/76            | 10              | 5391         | 43.9         | 120.1                              | FGGG                |                      | 200                   | 53                   |
| 01118E                                  | 2134N             | 2371-08572                   | 00000/0000                  | 2-20022/0488     | 01/28/76            | 30              | 5168         | 35.7         | 134.6                              | PPPP                |                      | 202                   | 45                   |
| 01117E                                  | 7745N             | 2476-11464                   | 00000/0000                  | 2-20025/0080     | 05/12/76            | 20              | 6634         | 30.3         | 190.0                              | GGFG                |                      | 205                   | 4                    |
| 01116E                                  | 1550N             | 2388-08530                   | 00000/0000                  | 2-20020/1510     | 02/14/76            | 90              | 5405         | 41.7         | 124.9                              | GGGG                |                      | 201                   | 49                   |
| 01116E                                  | 1549N             | 2370-08532                   | 00000/0000                  | 2-20020/0348     | 01/27/76            | 0               | 5154         | 38.8         | 130.8                              | GGGG                |                      | 201                   | 49                   |
| 01111E                                  | 8041N             | 2477-13340                   | 2-20027/0586                | 00000/0000       | 05/13/76            | 90              | 6649         | 26.0         | 218.2                              | PPF                 |                      | 235                   | 248                  |
| 01111E                                  | 7650N             | 2455-11303                   | 00000/0000                  | 2-20024/0310     | 04/21/76            | 80              | 6341         | 25.1         | 184.8                              | FGGG                |                      | 231                   | 5                    |
| 01109E                                  | 6532N             | 2439-10025                   | 00000/0000                  | 2-20022/1266     | 04/05/76            | 40              | 6117         | 29.2         | 158.7                              | GGGG                |                      | 214                   | 14                   |
| 01109E                                  | 3136N             | 2373-09060                   | 00000/0000                  | 2-20020/0640     | 01/30/76            | 0               | 5196         | 29.9         | 140.2                              | GG F                |                      | 204                   | 38                   |
| 01108E                                  | 0844N             | 2459-08471                   | 00000/0000                  | 2-20024/0271     | 04/25/76            | 70              | 6395         | 53.9         | 79.4                               | GFGG                |                      | 200                   | 54                   |
| 01104E                                  | 2019N             | 2461-08552                   | 00000/0000                  | 2-20024/0684     | 04/27/76            | 90              | 6423         | 56.5         | 95.4                               | GGGG                |                      | 202                   | 46                   |
| 01104E                                  | 1428N             | 2442-08515                   | 00000/0000                  | 2-20022/1532     | 04/08/76            | 0               | 6158         | 53.6         | 97.4                               | GGGG                |                      | 201                   | 50                   |
| 01104E                                  | 0842N             | 2423-08482                   | 00000/0000                  | 2-20022/0335     | 03/20/76            | 80              | 5893         | 50.5         | 100.8                              | FGG                 |                      | 200                   | 54                   |
| 01101E                                  | 1427N             | 2496-08502                   | 00000/0000                  | 2-20026/0661     | 06/01/76            | 60              | 6911         | 55.3         | 71.9                               | GGGG                |                      | 201                   | 50                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1190

| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|-----------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01100E                      | 1423N | 2514-08495 | 00000/0000        | 2-20026/1850          | 06/19/76                    | 50               | 7162                | 54.2            | 69.8         | GGGG         |                                    |                     |                      | 201                   | 50                   |
| 01059E                      | 0838N | 2405-08485 | 00000/0000        | 2-20021/1060          | 03/02/76                    | 20               | 5642                | 47.4            | 110.4        | GGGG         |                                    |                     |                      | 200                   | 54                   |
| 01058E                      | 7648N | 2473-11300 | 00000/0000        | 2-20025/0066          | 05/09/76                    | 40               | 6592                | 30.6            | 185.2        | GGGG         |                                    |                     |                      | 232                   | 5                    |
| 01058E                      | 1426N | 2424-08522 | 00000/0000        | 2-20021/1767          | 03/21/76                    | 0                | 5907                | 50.2            | 107.4        | GGGG         |                                    |                     |                      | 201                   | 50                   |
| 01058E                      | 0837N | 2387-08492 | 00000/0000        | 2-20020/1456          | 02/13/76                    | 50               | 5391                | 44.4            | 118.7        | GGGG         |                                    |                     |                      | 200                   | 54                   |
| 01057E                      | 4731N | 2467-09214 | 00000/0000        | 2-20024/1289          | 05/03/76                    | 40               | 6507                | 50.8            | 134.8        | GGGG         |                                    |                     |                      | 208                   | 27                   |
| 01057E                      | 2552N | 2390-09013 | 00000/0000        | 2-20020/1413          | 02/16/76                    | 20               | 5433                | 37.2            | 132.2        | GGGG         |                                    |                     |                      | 203                   | 42                   |
| 01057E                      | 2013N | 2425-08562 | 00000/0000        | 2-20022/0159          | 03/22/76                    | 0                | 5921                | 49.3            | 114.0        | GGGG         |                                    |                     |                      | 202                   | 46                   |
| 01056E                      | 6640N | 2512-10062 | 00000/0000        | 2-20026/1791          | 06/17/76                    | 50               | 7135                | 45.4            | 156.8        | GGGG         |                                    |                     |                      | 217                   | 13                   |
| 01056E                      | 4729N | 2431-09224 | 00000/0000        | 2-20022/0890          | 03/28/76                    | 10               | 6005                | 38.8            | 140.8        | GGGG         |                                    |                     |                      | 208                   | 27                   |
| 01056E                      | 2552N | 2372-09015 | 00000/0000        | 2-20020/0553          | 01/29/76                    | 60               | 5182                | 33.3            | 137.1        | FFFF         |                                    |                     |                      | 203                   | 42                   |
| 01055E                      | 1424N | 2388-08532 | 00000/0000        | 2-20020/1511          | 02/14/76                    | 70               | 5405                | 42.3            | 123.6        | GGGG         |                                    |                     |                      | 201                   | 50                   |
| 01055E                      | 1423N | 2370-08535 | 00000/0000        | 2-20020/0349          | 01/27/76                    | 0                | 5154                | 39.6            | 129.7        | GGGG         |                                    |                     |                      | 201                   | 50                   |
| 01053E                      | 7142S | 2398-06492 | 00000/0000        | 2-20021/0550          | 02/24/76                    | 10               | 5543                | 15.4            | 74.0         | GGGG         |                                    |                     |                      | 175                   | 111                  |
| 01049E                      | 7936N | 2467-12374 | 00000/0000        | 2-20024/1300          | 05/03/76                    | 10               | 6509                | 25.5            | 202.8        | GGGG         |                                    |                     |                      | 243                   | 2                    |
| 01049E                      | 4717N | 2503-09204 | 00000/0000        | 2-20026/1009          | 06/08/76                    | 10               | 7009                | 56.5            | 126.9        | GGGG         |                                    |                     |                      | 208                   | 27                   |
| 01047E                      | 0718N | 2459-08474 | 00000/0000        | 2-20024/0272          | 04/25/76                    | 60               | 6395                | 53.4            | 77.5         | GGGG         |                                    |                     |                      | 200                   | 55                   |
| 01045E                      | 7535N | 2488-11125 | 00000/0000        | 2-20026/0015          | 05/24/76                    | 100              | 6801                | 35.3            | 180.1        | GGGG         |                                    |                     |                      | 229                   | 6                    |
| 01044E                      | 3010N | 2373-09062 | 00000/0000        | 2-20020/0641          | 01/30/76                    | 40               | 5196                | 30.8            | 139.4        | GGGG         |                                    |                     |                      | 204                   | 39                   |
| 01044E                      | 2437N | 2462-08594 | 00000/0000        | 2-20024/0922          | 04/28/76                    | 60               | 6437                | 56.7            | 101.8        | GGGG         |                                    |                     |                      | 203                   | 43                   |
| 01043E                      | 1302N | 2442-08521 | 00000/0000        | 2-20022/1533          | 04/08/76                    | 0                | 6158                | 53.5            | 95.4         | GGGG         |                                    |                     |                      | 201                   | 51                   |
| 01042E                      | 2438N | 2444-09001 | 00000/0000        | 2-20022/1873          | 04/10/76                    | 0                | 6126                | 53.2            | 110.8        | GGGG         |                                    |                     |                      | 203                   | 43                   |
| 01042E                      | 1852N | 2461-08554 | 00000/0000        | 2-20024/0685          | 04/27/76                    | 80               | 6423                | 56.4            | 93.1         | GGGG         |                                    |                     |                      | 202                   | 47                   |
| 01042E                      | 1851N | 2443-08561 | 00000/0000        | 2-20022/1682          | 04/09/76                    | 0                | 6172                | 53.7            | 103.1        | GGGG         |                                    |                     |                      | 202                   | 47                   |
| 01041E                      | 3008N | 2391-09060 | 00000/0000        | 2-20021/0166          | 02/17/76                    | 40               | 5447                | 35.1            | 135.0        | G G          |                                    |                     |                      | 204                   | 39                   |
| 01040E                      | 5007N | 2414-09281 | 00000/0000        | 2-20021/1478          | 03/11/76                    | 0                | 5748                | 30.5            | 145.0        | GGGG         |                                    |                     |                      | 209                   | 25                   |
| 01039E                      | 1257N | 2514-08502 | 00000/0000        | 2-20026/1851          | 06/19/76                    | 60               | 7162                | 53.4            | 68.0         | GGGG         |                                    |                     |                      | 201                   | 51                   |
| 01038E                      | 8007N | 2507-12592 | 00000/0000        | 2-20026/1135          | 06/12/76                    | 90               | 7067                | 32.1            | 208.0        | GGG          |                                    |                     |                      | 248                   | 1                    |
| 01038E                      | 5005N | 2504-09254 | 00000/0000        | 2-20026/1111          | 06/09/76                    | 10               | 7023                | 55.3            | 131.3        | GGGG         |                                    |                     |                      | 209                   | 25                   |
| 01038E                      | 2434N | 2426-09005 | 00000/0000        | 2-20022/0308          | 03/23/76                    | 0                | 5935                | 48.3            | 118.7        | G GG         |                                    |                     |                      | 203                   | 43                   |
| 01038E                      | 0711N | 2405-08492 | 00000/0000        | 2-20021/1061          | 03/02/76                    | 40               | 5642                | 47.6            | 108.8        | GGGG         |                                    |                     |                      | 200                   | 55                   |
| 01038E                      | 0710N | 2387-08495 | 00000/0000        | 2-20020/1457          | 02/13/76                    | 90               | 5391                | 44.8            | 117.3        | GGGG         |                                    |                     |                      | 200                   | 55                   |
| 01037E                      | 1300N | 2424-08525 | 00000/0000        | 2-20021/1768          | 03/21/76                    | 0                | 5907                | 50.4            | 105.6        | GGGG         |                                    |                     |                      | 201                   | 51                   |
| 01036E                      | 7739N | 2548-11445 | 00000/0000        | 2-20030/0015          | 07/23/76                    | 70               | 7638                | 32.3            | 186.0        | GGGG         |                                    |                     |                      | 235                   | 4                    |
| 01036E                      | 5258N | 2415-09330 | 00000/0000        | 2-20022/0033          | 03/12/76                    | 20               | 5782                | 28.9            | 147.1        | GGGG         |                                    |                     |                      | 210                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1191

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01035E 7640N                            | 2491-11293        | 00000/0000 2-20026/0286                            | 05/27/76         | 90                  | 6843            | 34.7         | 184.4        | GGGG                               |                     |                      | 232                   | 5                    |
| 01035E 2426N                            | 2390-09015        | 00000/0000 2-20026/1414                            | 02/16/76         | 40                  | 5433            | 38.0         | 131.2        | GGGG                               |                     |                      | 203                   | 43                   |
| 01035E 1846N                            | 2425-08565        | 00000/0000 2-20027/0200                            | 03/22/76         | 0                   | 5921            | 49.6         | 112.3        | GGGG                               |                     |                      | 202                   | 47                   |
| 01034E 1259N                            | 2388-08535        | 00000/0000 2-20026/1512                            | 02/14/76         | 30                  | 5405            | 42.9         | 122.3        | GGGG                               |                     |                      | 201                   | 51                   |
| 01034E 1255N                            | 2370-08541        | 00000/0000 2-20026/0350                            | 01/27/76         | 0                   | 5154            | 40.3         | 128.6        | GGGG                               |                     |                      | 201                   | 51                   |
| 01033E 1841N                            | 2371-08581        | 00000/0000 2-20026/0489                            | 01/28/76         | 60                  | 5168            | 37.4         | 132.6        | FFFG                               |                     |                      | 202                   | 47                   |
| 01032E 2426N                            | 2408-09012        | 00000/0000 2-20021/1148                            | 03/05/76         | 0                   | 5684            | 43.0         | 125.4        | FGGG                               |                     |                      | 203                   | 43                   |
| 01030E 7837N                            | 2498-12034        | 00000/0000 2-20026/1187                            | 06/03/76         | 20                  | 6941            | 33.4         | 194.8        | GGGG                               |                     |                      | 239                   | 3                    |
| 01027E 7531N                            | 2506-11122        | 00000/0000 2-20026/1355                            | 06/11/76         | 100                 | 7052            | 37.7         | 178.7        | GGGG                               |                     |                      | 229                   | 6                    |
| 01023E 1137N                            | 2460-08520        | 00000/0000 2-20024/0591                            | 04/26/76         | 20                  | 6409            | 54.8         | 82.8         | GGGG                               |                     |                      | 201                   | 52                   |
| 01022E 4606N                            | 2467-09220        | 00000/0000 2-20024/1290                            | 05/03/76         | 10                  | 6507            | 51.6         | 132.9        | FGGG                               |                     |                      | 208                   | 28                   |
| 01021E 7529N                            | 2542-11112        | 00000/0000 2-20028/1744                            | 07/17/76         | 40                  | 7554            | 35.7         | 176.6        | GGGG                               |                     |                      | 229                   | 6                    |
| 01021E 2310N                            | 2462-09031        | 00000/0000 2-20024/1251                            | 04/28/76         | 100                 | 6437            | 56.7         | 99.6         | GGGG                               |                     |                      | 203                   | 44                   |
| 01020E 1725N                            | 2461-08561        | 00000/0000 2-20024/0686                            | 04/27/76         | 90                  | 6423            | 56.2         | 90.9         | FGGG                               |                     |                      | 202                   | 48                   |
| 01020E 1724N                            | 2443-08564        | 00000/0000 2-20027/1683                            | 04/09/76         | 10                  | 6172            | 53.7         | 101.0        | GGGG                               |                     |                      | 202                   | 48                   |
| 01019E 7738N                            | 2530-11452        | 00000/0000 2-20028/0775                            | 07/05/76         | 80                  | 7387            | 35.1         | 186.5        | GGGG                               |                     |                      | 235                   | 4                    |
| 01019E 2311N                            | 2444-09034        | 00000/0000 2-20027/1674                            | 04/10/76         | 0                   | 6186            | 53.4         | 103.8        | GGFG                               |                     |                      | 203                   | 44                   |
| 01017E 2843N                            | 2391-09062        | 00000/0000 2-20021/0167                            | 02/17/76         | 30                  | 5447            | 35.9         | 134.0        | GGGG                               |                     |                      | 204                   | 40                   |
| 01017E 1133N                            | 2424-08531        | 00000/0000 2-20021/1781                            | 03/21/76         | 50                  | 5907            | 50.5         | 103.8        | GGGG                               |                     |                      | 201                   | 52                   |
| 01016E 2308N                            | 2426-09011        | 00000/0000 2-20022/0315                            | 03/23/76         | 0                   | 5935            | 48.8         | 117.0        | GGFG                               |                     |                      | 203                   | 44                   |
| 01014E 4551N                            | 2503-09211        | 00000/0000 2-20026/1010                            | 06/08/76         | 10                  | 7009            | 57.1         | 124.5        | GGGG                               |                     |                      | 208                   | 28                   |
| 01014E 1720N                            | 2425-08571        | 00000/0000 2-20027/0201                            | 03/22/76         | 10                  | 5921            | 49.9         | 110.5        | FFFG                               |                     |                      | 202                   | 48                   |
| 01014E 1132N                            | 2388-08541        | 00000/0000 2-20026/1513                            | 02/14/76         | 10                  | 5405            | 43.5         | 121.0        | GGGG                               |                     |                      | 201                   | 52                   |
| 01013E 2300N                            | 2390-09022        | 00000/0000 2-20026/1415                            | 02/16/76         | 30                  | 5433            | 38.8         | 130.1        | GGGG                               |                     |                      | 203                   | 44                   |
| 01011E 7751N                            | 2459-11525        | 00000/0000 2-20024/0278                            | 04/25/76         | 20                  | 6397            | 25.3         | 190.0        | GGGG                               |                     |                      | 235                   | 4                    |
| 01011E 2300N                            | 2372-09024        | 00000/0000 2-20026/0554                            | 01/29/76         | 80                  | 5182            | 35.1         | 135.3        | GGFF                               |                     |                      | 203                   | 44                   |
| 01011E 1717N                            | 2389-08582        | 00000/0000 2-20020/1630                            | 02/15/76         | 90                  | 5419            | 41.3         | 125.7        | GG G                               |                     |                      | 202                   | 48                   |
| 01011E 1715N                            | 2371-08584        | 00000/0000 2-20020/0431                            | 01/28/76         | 0                   | 5168            | 38.2         | 131.6        | GGGG                               |                     |                      | 202                   | 48                   |
| 01010E 2301N                            | 2408-09015        | 00000/0000 2-20021/1149                            | 03/05/76         | 0                   | 5684            | 43.6         | 124.0        | FGGG                               |                     |                      | 203                   | 44                   |
| 01009E 7931N                            | 2485-12372        | 00000/0000 2-20025/1013                            | 05/21/76         | 50                  | 6760            | 30.1         | 202.4        | GGGG                               |                     |                      | 243                   | 2                    |
| 01006E 7848N                            | 2463-12152        | 00000/0000 2-20024/0995                            | 04/29/76         | 30                  | 6453            | 25.4         | 196.1        | GGGG                               |                     |                      | 239                   | 3                    |
| 01003E 5434N                            | 2452-09371        | 00000/0000 2-20024/0127                            | 04/18/76         | 60                  | 6298            | 42.0         | 145.6        | GGGG                               |                     |                      | 211                   | 22                   |
| 01003E 1010N                            | 2460-08523        | 00000/0000 2-20024/0592                            | 04/26/76         | 10                  | 6409            | 54.4         | 80.8         | GGGG                               |                     |                      | 201                   | 53                   |
| 01002E 5148N                            | 2451-09322        | 00000/0000 2-20023/0483                            | 04/17/76         | 20                  | 6284            | 43.4         | 142.6        | GGGG                               |                     |                      | 210                   | 24                   |
| 01001E 4843N                            | 2414-09283        | 00000/0000 2-20021/1479                            | 03/11/76         | 10                  | 5768            | 31.4         | 143.9        | GGGG                               |                     |                      | 209                   | 26                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1192

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBV<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01000E                      | 7746N             | 2477-11522                              | 00000/0000       | 2-20025/0290        | 05/13/76        | 70           | 6648         | 30.5                               | 190.1               | GGGG                 | 235                   | 4                    |
| 01000E                      | 4841N             | 2504-09260                              | 00000/0000       | 2-20026/1112        | 06/09/76        | 10           | 7023         | 56.0                               | 129.0               | GGGG                 | 209                   | 24                   |
| 00959E                      | 2143N             | 2462-09003                              | 00000/0000       | 2-20024/1252        | 04/28/76        | 70           | 6437         | 56.7                               | 97.2                | GGFG                 | 203                   | 45                   |
| 00959E                      | 1558N             | 2461-08563                              | 00000/0000       | 2-20024/0687        | 04/27/76        | 90           | 6423         | 55.9                               | 88.7                | GGGG                 | 202                   | 49                   |
| 00958E                      | 5424N             | 2488-09361                              | 00000/0000       | 2-20026/0010        | 05/24/76        | 60           | 6800         | 51.4                               | 140.6               | GGG                  | 211                   | 22                   |
| 00958E                      | 1557N             | 2443-08570                              | 00000/0000       | 2-20022/1684        | 04/09/76        | 10           | 6172         | 53.8                               | 98.9                | GGGG                 | 202                   | 49                   |
| 00957E                      | 7835N             | 2534-12074                              | 00000/0000       | 2-20028/1123        | 07/09/76        | 10           | 7443         | 33.6                               | 192.1               | GGGG                 | 239                   | 3                    |
| 00957E                      | 2145N             | 2444-09010                              | 00000/0000       | 2-20022/1748        | 04/10/76        | 0            | 6186         | 53.6                               | 106.7               | GGGG                 | 203                   | 45                   |
| 00955E                      | 1552N             | 2497-08554                              | 00000/0000       | 2-20026/0633        | 06/02/76        | 0            | 6925         | 55.9                               | 73.6                | FFGG                 | 202                   | 49                   |
| 00954E                      | 2717N             | 2391-09065                              | 00000/0000       | 2-20021/0168        | 02/17/76        | 10           | 5447         | 36.7                               | 133.0               | GGGG                 | 204                   | 41                   |
| 00954E                      | 2142N             | 2426-09014                              | 00000/0000       | 2-20022/0316        | 03/23/76        | 0            | 5935         | 49.2                               | 115.3               | GGFG                 | 203                   | 45                   |
| 00953E                      | 5133N             | 2415-09333                              | 00000/0000       | 2-20022/0034        | 03/12/76        | 50           | 5782         | 29.9                               | 146.0               | GGGG                 | 210                   | 24                   |
| 00953E                      | 1554N             | 2425-08574                              | 00000/0000       | 2-20022/0202        | 03/22/76        | 0            | 5921         | 50.2                               | 108.7               | GGFG                 | 202                   | 49                   |
| 00953E                      | 1005N             | 2388-08544                              | 00000/0000       | 2-20020/1514        | 02/14/76        | 0            | 5405         | 44.0                               | 119.7               | FGGG                 | 201                   | 53                   |
| 00952E                      | 5417N             | 2524-09352                              | 00000/0000       | 2-20028/0286        | 06/29/76        | 10           | 7302         | 52.9                               | 136.2               | GGGG                 | 211                   | 22                   |
| 00950E                      | 2134N             | 2390-09024                              | 00000/0000       | 2-20020/1416        | 02/16/76        | 60           | 5433         | 39.5                               | 128.9               | GGGG                 | 203                   | 45                   |
| 00950E                      | 1552N             | 2407-08581                              | 00000/0000       | 2-20021/1044        | 03/04/76        | 0            | 5670         | 45.9                               | 117.3               | GGGG                 | 202                   | 49                   |
| 00950E                      | 1550N             | 2389-08584                              | 00000/0000       | 2-20020/1631        | 02/15/76        | 100          | 5419         | 41.9                               | 124.5               | GG G                 | 202                   | 49                   |
| 00950E                      | 1548N             | 2371-08590                              | 00000/0000       | 2-20020/0432        | 01/28/76        | 0            | 5168         | 38.9                               | 130.5               | GGGG                 | 202                   | 49                   |
| 00949E                      | 6239N             | 2546-09551                              | 00000/0000       | 2-20029/0070        | 07/21/76        | 60           | 7609         | 45.0                               | 149.1               | GGGG                 | 215                   | 16                   |
| 00949E                      | 2134N             | 2372-09031                              | 00000/0000       | 2-20020/0555        | 01/29/76        | 60           | 5182         | 35.9                               | 134.3               | GGFG                 | 203                   | 45                   |
| 00948E                      | 8016N             | 2455-13120                              | 00000/0000       | 2-20024/0312        | 04/21/76        | 80           | 6342         | 20.6                               | 209.8               | GGGG                 | 236                   | 248                  |
| 00948E                      | 2134N             | 2408-09021                              | 00000/0000       | 2-20021/1150        | 03/05/76        | 0            | 5684         | 44.2                               | 122.6               | FFGG                 | 203                   | 45                   |
| 00945E                      | 7543N             | 2471-11190                              | 00000/0000       | 2-20024/1767        | 05/07/76        | 50           | 6564         | 31.2                               | 180.8               | GGGG                 | 230                   | 6                    |
| 00941E                      | 7649N             | 2456-11361                              | 00000/0000       | 2-20024/0326        | 04/22/76        | 90           | 6355         | 25.5                               | 184.7               | GGGG                 | 232                   | 5                    |
| 00938E                      | 7742N             | 2477-11523                              | 2-20027/0585     | 00000/0000          | 05/13/76        | 70           | 6648         | 30.6                               | 189.7               | GG                   | 236                   | 4                    |
| 00938E                      | 1431N             | 2461-08570                              | 00000/0000       | 2-20024/0688        | 04/27/76        | 50           | 6423         | 55.6                               | 86.5                | GGGG                 | 202                   | 50                   |
| 00937E                      | 2018N             | 2462-09010                              | 00000/0000       | 2-20024/1253        | 04/28/76        | 10           | 6437         | 56.6                               | 94.8                | GGGG                 | 203                   | 46                   |
| 00937E                      | 1430N             | 2443-08573                              | 00000/0000       | 2-20022/1685        | 04/09/76        | 0            | 6172         | 53.7                               | 96.8                | GGGG                 | 202                   | 50                   |
| 00936E                      | 7841N             | 2481-12145                              | 00000/0000       | 2-20025/0727        | 05/17/76        | 60           | 6704         | 30.4                               | 195.8               | GGGG                 | 239                   | 3                    |
| 00935E                      | 7646N             | 2474-11354                              | 00000/0000       | 2-20025/0127        | 05/10/76        | 70           | 6606         | 30.9                               | 185.1               | GGGG                 | 233                   | 5                    |
| 00935E                      | 2019N             | 2444-09013                              | 00000/0000       | 2-20022/1749        | 04/10/76        | 0            | 6186         | 53.8                               | 104.6               | GGGG                 | 203                   | 46                   |
| 00934E                      | 1426N             | 2497-08560                              | 00000/0000       | 2-20026/0634        | 06/02/76        | 0            | 6925         | 55.2                               | 71.7                | GGGG                 | 202                   | 50                   |
| 00933E                      | 1427N             | 2425-08580                              | 00000/0000       | 2-20022/0203        | 03/22/76        | 0            | 5921         | 50.4                               | 106.9               | GGGG                 | 202                   | 50                   |
| 00932E                      | 4732N             | 2450-09275                              | 00000/0000       | 2-20023/0286        | 04/16/76        | 20           | 6270         | 45.7                               | 138.0               | GGGG                 | 209                   | 27                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1193

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 00932E                      | 2015N | 2426-09020        | 00000/0000            | 2-20022/0317         | 03/23/76         | 0                   | 5935            | 49.5         | 113.6        | GFFG                  |                     |                      | 203                   | 44                   |
| 00931E                      | 8014N | 2473-13113        | 00000/0000            | 2-20025/0068         | 05/09/76         | 0                   | 6593            | 26.0         | 210.5        | GFGG                  |                     |                      | 249                   | 1                    |
| 00931E                      | 2551N | 2391-09071        | 00000/0000            | 2-20021/0169         | 02/17/76         | 30                  | 5447            | 37.5         | 131.9        | GGGG                  |                     |                      | 204                   | 42                   |
| 00930E                      | 1426N | 2407-08584        | 00000/0000            | 2-20021/1045         | 03/04/76         | 10                  | 5670            | 46.4         | 115.8        | GGGG                  |                     |                      | 202                   | 50                   |
| 00929E                      | 2008N | 2390-09031        | 00000/0000            | 2-20020/1417         | 02/16/76         | 40                  | 5433            | 40.2         | 127.8        | GGGG                  |                     |                      | 203                   | 46                   |
| 00929E                      | 1425N | 2389-08591        | 00000/0000            | 2-20020/1632         | 02/15/76         | 80                  | 5419            | 42.5         | 123.2        | GGGG                  |                     |                      | 202                   | 50                   |
| 00929E                      | 1423N | 2371-08593        | 00000/0000            | 2-20020/0433         | 01/28/76         | 0                   | 5168            | 39.7         | 129.4        | FGGG                  |                     |                      | 202                   | 50                   |
| 00927E                      | 2008N | 2372-09033        | 00000/0000            | 2-20020/0556         | 01/29/76         | 20                  | 5182            | 36.7         | 133.3        | GFGG                  |                     |                      | 203                   | 44                   |
| 00926E                      | 2008N | 2408-09024        | 00000/0000            | 2-20021/1151         | 03/05/76         | 0                   | 5684            | 44.7         | 121.2        | FGGG                  |                     |                      | 203                   | 44                   |
| 00925E                      | 4718N | 2414-09290        | 00000/0000            | 2-20021/1480         | 03/11/76         | 0                   | 5768            | 32.3         | 142.8        | GGGG                  |                     |                      | 209                   | 27                   |
| 00923E                      | 4716N | 2504-09263        | 00000/0000            | 2-20026/1113         | 06/09/76         | 10                  | 7023            | 56.6         | 126.7        | GGGG                  |                     |                      | 209                   | 27                   |
| 00922E                      | 7925N | 2503-12365        | 00000/0000            | 2-20026/0978         | 06/08/76         | 60                  | 7011            | 32.9         | 200.8        | GGGG                  |                     |                      | 244                   | 2                    |
| 00922E                      | 5023N | 2451-09324        | 00000/0000            | 2-20023/0484         | 04/17/76         | 10                  | 6284            | 44.3         | 141.1        | GGGG                  |                     |                      | 210                   | 25                   |
| 00921E                      | 7742N | 2495-11520        | 00000/0000            | 2-20026/0555         | 05/31/76         | 70                  | 6899            | 34.2         | 189.1        | GFGG                  |                     |                      | 234                   | 4                    |
| 00920E                      | 7533N | 2489-11183        | 00000/0000            | 2-20026/0082         | 05/25/76         | 90                  | 6815            | 35.5         | 180.0        | GGGG                  |                     |                      | 230                   | 6                    |
| 00918E                      | 8039N | 2478-13395        | 2-20027/0588          | 00000/0000           | 05/14/76         | 20                  | 6663            | 26.3         | 217.7        | F G                   |                     |                      | 237                   | 248                  |
| 00918E                      | 5310N | 2452-09373        | 00000/0000            | 2-20024/0128         | 04/18/76         | 70                  | 6298            | 42.9         | 144.0        | FGGG                  |                     |                      | 211                   | 23                   |
| 00917E                      | 3015N | 2392-09114        | 00000/0000            | 2-20021/0114         | 02/18/76         | 0                   | 5461            | 35.3         | 134.8        | GGGG                  |                     |                      | 205                   | 39                   |
| 00917E                      | 1305N | 2461-08572        | 00000/0000            | 2-20024/0665         | 04/27/76         | 60                  | 6423            | 55.3         | 84.4         | GGGG                  |                     |                      | 202                   | 51                   |
| 00916E                      | 1851N | 2462-09012        | 00000/0000            | 2-20024/1254         | 04/28/76         | 0                   | 6437            | 56.5         | 92.6         | GGGG                  |                     |                      | 203                   | 47                   |
| 00916E                      | 1304N | 2443-08575        | 00000/0000            | 2-20022/1686         | 04/09/76         | 30                  | 6172            | 53.6         | 94.8         | FGGG                  |                     |                      | 202                   | 51                   |
| 00914E                      | 1853N | 2444-09015        | 00000/0000            | 2-20022/1750         | 04/10/76         | 0                   | 6186            | 53.9         | 102.5        | GGGG                  |                     |                      | 203                   | 47                   |
| 00914E                      | 1259N | 2497-08563        | 00000/0000            | 2-20026/0141         | 06/02/76         | 0                   | 6925            | 54.5         | 69.8         | GGGG                  |                     |                      | 202                   | 51                   |
| 00912E                      | 5009N | 2415-09335        | 00000/0000            | 2-20022/0060         | 03/12/76         | 50                  | 5782            | 30.8         | 144.9        | FGGG                  |                     |                      | 210                   | 25                   |
| 00912E                      | 1301N | 2425-08583        | 00000/0000            | 2-20022/0194         | 03/22/76         | 80                  | 5921            | 50.6         | 105.1        | G GG                  |                     |                      | 202                   | 51                   |
| 00911E                      | 1848N | 2426-09023        | 00000/0000            | 2-20022/0318         | 03/23/76         | 0                   | 5935            | 49.9         | 111.8        | GGGG                  |                     |                      | 203                   | 47                   |
| 00909E                      | 1259N | 2407-08590        | 00000/0000            | 2-20021/1046         | 03/04/76         | 0                   | 5670            | 46.8         | 114.2        | GGGG                  |                     |                      | 202                   | 51                   |
| 00908E                      | 8006N | 2508-13050        | 00000/0000            | 2-20026/1438         | 06/13/76         | 90                  | 7081            | 32.1         | 207.8        | GGGG                  |                     |                      | 249                   | 1                    |
| 00908E                      | 2425N | 2391-09074        | 00000/0000            | 2-20021/0170         | 02/17/76         | 80                  | 5447            | 38.3         | 130.9        | FGGG                  |                     |                      | 204                   | 43                   |
| 00908E                      | 1258N | 2389-08593        | 00000/0000            | 2-20020/1633         | 02/15/76         | 70                  | 5419            | 43.1         | 121.9        | GGGG                  |                     |                      | 202                   | 51                   |
| 00908E                      | 1256N | 2371-08595        | 00000/0000            | 2-20020/0434         | 01/28/76         | 0                   | 5168            | 40.4         | 128.3        | GGGG                  |                     |                      | 202                   | 51                   |
| 00906E                      | 1841N | 2390-09033        | 00000/0000            | 2-20020/1418         | 02/16/76         | 10                  | 5433            | 40.9         | 126.6        | GGGG                  |                     |                      | 203                   | 47                   |
| 00905E                      | 7528N | 2507-11181        | 00000/0000            | 2-20026/1387         | 06/12/76         | 100                 | 7066            | 37.7         | 178.6        | GGGG                  |                     |                      | 230                   | 6                    |
| 00905E                      | 1842N | 2372-09040        | 00000/0000            | 2-20020/0557         | 01/29/76         | 10                  | 5182            | 37.5         | 132.3        | GGGG                  |                     |                      | 203                   | 47                   |
| 00904E                      | 1842N | 2408-09030        | 00000/0000            | 2-20021/1152         | 03/05/76         | 0                   | 5684            | 45.2         | 119.8        | FGGG                  |                     |                      | 203                   | 47                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 1194

| PRINCIPAL PRINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00903E                      | 8007N | 2544-13040 | 00000/0000        | 2-20029/0025                 | 07/19/76                    | 90               | 7583                | 29.8            | 205.8        | GGG          |                                    |                     |                      | 249                   | 1                    |
| 00859E                      | 7639N | 2492-11352 | 00000/0000        | 2-20026/0382                 | 05/28/76                    | 60               | 6857                | 34.9            | 184.3        | GGGG         |                                    |                     |                      | 233                   | 5                    |
| 00857E                      | 7530N | 2543-11171 | 00000/0000        | 2-20028/1349                 | 07/18/76                    | 90               | 7568                | 35.6            | 176.6        | PPPG         |                                    |                     |                      | 230                   | 6                    |
| 00856E                      | 1139N | 2461-08575 | 00000/0000        | 2-20024/0666                 | 04/27/76                    | 80               | 6423                | 54.9            | 82.3         | GGGG         |                                    |                     |                      | 202                   | 52                   |
| 00855E                      | 7739N | 2549-11503 | 00000/0000        | 2-20030/0074                 | 07/24/76                    | 90               | 7652                | 32.1            | 185.9        | FGGG         |                                    |                     |                      | 236                   | 8                    |
| 00855E                      | 1725N | 2462-09015 | 00000/0000        | 2-20024/1255                 | 04/28/76                    | 0                | 6437                | 56.3            | 90.3         | GGGG         |                                    |                     |                      | 203                   | 48                   |
| 00855E                      | 1137N | 2443-08582 | 00000/0000        | 2-20022/1687                 | 04/09/76                    | 60               | 6172                | 53.5            | 92.8         | GGGG         |                                    |                     |                      | 202                   | 52                   |
| 00854E                      | 2310N | 2445-09062 | 00000/0000        | 2-20022/1833                 | 04/11/76                    | 20               | 6200                | 53.6            | 108.2        | GGGG         |                                    |                     |                      | 204                   | 44                   |
| 00854E                      | 2309N | 2463-09055 | 00000/0000        | 2-20024/1023                 | 04/29/76                    | 40               | 6451                | 56.9            | 98.9         | GGGG         |                                    |                     |                      | 204                   | 44                   |
| 00853E                      | 7839N | 2553-12130 | 00000/0000        | 2-20030/0309                 | 07/28/76                    | 50               | 7708                | 30.1            | 191.9        | GGGG         |                                    |                     |                      | 240                   | 3                    |
| 00853E                      | 7837N | 2499-12142 | 00000/0000        | 2-20026/0754                 | 06/04/76                    | 60               | 6955                | 33.6            | 194.6        | FGGG         |                                    |                     |                      | 240                   | 3                    |
| 00853E                      | 2850N | 2392-09120 | 00000/0000        | 2-20021/0115                 | 02/18/76                    | 0                | 5461                | 36.2            | 133.8        | GGFG         |                                    |                     |                      | 205                   | 40                   |
| 00853E                      | 1726N | 2444-09022 | 00000/0000        | 2-20022/1751                 | 04/10/76                    | 0                | 6186                | 53.9            | 100.4        | GGGG         |                                    |                     |                      | 203                   | 48                   |
| 00853E                      | 1132N | 2479-08572 | 00000/0000        | 2-20025/0538                 | 05/15/76                    | 40               | 6674                | 54.8            | 73.5         | GGGG         |                                    |                     |                      | 202                   | 52                   |
| 00852E                      | 7736N | 2531-11510 | 00000/0000        | 2-20028/0934                 | 07/06/76                    | 90               | 7401                | 35.0            | 186.3        | GGGG         |                                    |                     |                      | 236                   | 4                    |
| 00849E                      | 4551N | 2504-09265 | 00000/0000        | 2-20024/1114                 | 06/09/76                    | 10               | 7023                | 57.1            | 124.3        | GGGG         |                                    |                     |                      | 209                   | 28                   |
| 00849E                      | 1722N | 2426-09025 | 00000/0000        | 2-20022/0319                 | 03/23/76                    | 10               | 5935                | 50.2            | 110.0        | GGGG         |                                    |                     |                      | 203                   | 48                   |
| 00849E                      | 1133N | 2407-08593 | 00000/0000        | 2-20021/1047                 | 03/04/76                    | 10               | 5670                | 47.1            | 112.7        | FFFF         |                                    |                     |                      | 202                   | 52                   |
| 00848E                      | 4553N | 2396-09295 | 00000/0000        | 2-20021/0433                 | 02/22/76                    | 10               | 5517                | 26.7            | 144.2        | GFGG         |                                    |                     |                      | 209                   | 28                   |
| 00846E                      | 2259N | 2391-09080 | 00000/0000        | 2-20021/0171                 | 02/17/76                    | 90               | 5447                | 39.0            | 129.7        | GGGG         |                                    |                     |                      | 204                   | 44                   |
| 00845E                      | 7635N | 2528-11342 | 00000/0000        | 2-20028/0552                 | 07/03/76                    | 90               | 7359                | 36.4            | 181.6        | GGGG         |                                    |                     |                      | 233                   | 5                    |
| 00844E                      | 1715N | 2372-09042 | 00000/0000        | 2-20020/0558                 | 01/29/76                    | 30               | 5182                | 38.3            | 131.3        | FGFG         |                                    |                     |                      | 203                   | 48                   |
| 00843E                      | 4858N | 2451-09331 | 00000/0000        | 2-20023/0485                 | 04/17/76                    | 10               | 6284                | 45.2            | 139.5        | GGGG         |                                    |                     |                      | 210                   | 26                   |
| 00843E                      | 1716N | 2408-09033 | 00000/0000        | 2-20021/1153                 | 03/05/76                    | 0                | 5684                | 45.7            | 118.3        | FGGG         |                                    |                     |                      | 203                   | 48                   |
| 00842E                      | 6117N | 2546-09553 | 00000/0000        | 2-20029/0071                 | 07/21/76                    | 50               | 7609                | 45.9            | 147.0        | GGGG         |                                    |                     |                      | 215                   | 17                   |
| 00842E                      | 3305N | 2393-09163 | 00000/0000        | 2-20021/0333                 | 02/19/76                    | 10               | 5475                | 34.0            | 136.6        | GFFG         |                                    |                     |                      | 206                   | 37                   |
| 00840E                      | 5437N | 2453-09425 | 00000/0000        | 2-20023/0498                 | 04/19/76                    | 0                | 6312                | 42.3            | 145.5        | GGGG         |                                    |                     |                      | 212                   | 22                   |
| 00840E                      | 4853N | 2433-09334 | 00000/0000        | 2-20022/1016                 | 03/30/76                    | 60               | 6033                | 38.7            | 141.8        | GGGG         |                                    |                     |                      | 210                   | 26                   |
| 00836E                      | 7931N | 2486-12430 | 00000/0000        | 2-20025/1068                 | 05/22/76                    | 10               | 6774                | 30.3            | 202.3        | FGGG         |                                    |                     |                      | 244                   | 2                    |
| 00836E                      | 7847N | 2464-12210 | 00000/0000        | 2-20024/0193                 | 04/30/76                    | 40               | 6467                | 25.7            | 196.0        | GGGG         |                                    |                     |                      | 240                   | 3                    |
| 00836E                      | 1012N | 2461-08531 | 00000/0000        | 2-20024/0667                 | 04/27/76                    | 80               | 6423                | 54.4            | 80.3         | GGGG         |                                    |                     |                      | 202                   | 53                   |
| 00835E                      | 6252N | 2583-09595 | 00000/0000        | 2-20032/0261                 | 08/27/76                    | 10               | 8125                | 34.8            | 153.7        | GGGG         |                                    |                     |                      | 216                   | 16                   |
| 00835E                      | 5146N | 2452-09380 | 00000/0000        | 2-20024/0129                 | 04/18/76                    | 10               | 6298                | 43.8            | 142.5        | GGGG         |                                    |                     |                      | 211                   | 24                   |
| 00835E                      | 1010N | 2443-08584 | 00000/0000        | 2-20022/1688                 | 04/09/76                    | 60               | 6172                | 53.3            | 90.8         | GGGG         |                                    |                     |                      | 202                   | 53                   |
| 00834E                      | 8010N | 2491-13111 | 00000/0000        | 2-20026/0288                 | 05/27/76                    | 60               | 6844                | 30.1            | 209.6        | GGGG         |                                    |                     |                      | 249                   | 1                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00834E                                  | 4844N             | 2415-09342                   | 00000/0000                 | 2-20022/0061     | 03/12/76            | 40              | 5782         | 31.8         | 143.8                              |                     |                      |                       |                      |
| 00833E                                  | 1557N             | 2462-09021                   | 00000/0000                 | 2-20024/1256     | 04/28/76            | 0               | 6437         | 56.0         | 88.1                               | GGGG                |                      | 210                   | 26                   |
| 00833E                                  | 1006N             | 2479-08574                   | 00000/0000                 | 2-20025/0539     | 05/15/76            | 40              | 6674         | 54.1         | 71.6                               | GGGG                |                      | 203                   | 49                   |
| 00832E                                  | 2143N             | 2445-09065                   | 00000/0000                 | 2-20022/1834     | 04/11/76            | 10              | 6200         | 53.8         | 106.1                              | GGGG                |                      | 202                   | 53                   |
| 00832E                                  | 2142N             | 2463-09062                   | 00000/0000                 | 2-20024/1024     | 04/29/76            | 20              | 6451         | 56.8         | 96.6                               | GGGG                |                      | 204                   | 45                   |
| 00831E                                  | 1558N             | 2444-09024                   | 00000/0000                 | 2-20022/1752     | 04/10/76            | 0               | 6186         | 53.9         | 98.4                               | GGGG                |                      | 204                   | 45                   |
| 00831E                                  | 7032S             | 2383-07064                   | 00000/0000                 | 2-20025/1237     | 02/09/76            | 10              | 5334         | 21.2         | 74.3                               | GGGG                |                      | 203                   | 49                   |
| 00830E                                  | 6248N             | 2565-10002                   | 00000/0000                 | 2-20030/1016     | 08/09/76            | 10              | 7874         | 40.3         | 151.0                              | GGGG                |                      | 178                   | 110                  |
| 00830E                                  | 5421N             | 2417-09440                   | 00000/0000                 | 2-20021/1633     | 03/14/76            | 50              | 5810         | 28.7         | 148.0                              | GGGG                |                      | 216                   | 16                   |
| 00829E                                  | 2723N             | 2392-09123                   | 00000/0000                 | 2-20021/0116     | 02/18/76            | 0               | 5461         | 36.9         | 132.8                              | GGGG                |                      | 212                   | 22                   |
| 00829E                                  | 1006N             | 2407-08595                   | 00000/0000                 | 2-20021/1048     | 03/04/76            | 10              | 5670         | 47.4         | 111.1                              | GGGG                |                      | 205                   | 41                   |
| 00828E                                  | 1556N             | 2426-09032                   | 00000/0000                 | 2-20022/0320     | 03/23/76            | 20              | 5935         | 50.4         | 108.2                              | GGGG                |                      | 202                   | 53                   |
| 00828E                                  | 1551N             | 2516-09005                   | 00000/0000                 | 2-20027/0229     | 06/21/76            | 40              | 7190         | 54.7         | 71.6                               | GGGG                |                      | 203                   | 49                   |
| 00823E                                  | 2133N             | 2391-09083                   | 00000/0000                 | 2-20021/0172     | 02/17/76            | 90              | 5447         | 39.7         | 128.6                              | GGGG                |                      | 203                   | 49                   |
| 00823E                                  | 1549N             | 2372-09045                   | 00000/0000                 | 2-20020/0559     | 01/29/76            | 10              | 5182         | 39.1         | 130.2                              | FFGG                |                      | 204                   | 45                   |
| 00823E                                  | 1549N             | 2390-09042                   | 00000/0000                 | 2-20020/1419     | 02/16/76            | 20              | 5433         | 42.1         | 124.1                              | FFGG                |                      | 203                   | 49                   |
| 00822E                                  | 7745N             | 2478-11541                   | 00000/0000                 | 2-20025/0377     | 05/14/76            | 50              | 6662         | 30.8         | 190.0                              | GGGG                |                      | 203                   | 49                   |
| 00822E                                  | 7650N             | 2457-11415                   | 00000/0000                 | 2-20023/0539     | 04/23/76            | 80              | 6369         | 25.8         | 184.9                              | GGGG                |                      | 237                   | 4                    |
| 00822E                                  | 1549N             | 2408-09035                   | 00000/0000                 | 2-20021/1154     | 03/05/76            | 0               | 5684         | 46.2         | 116.8                              | GGGG                |                      | 233                   | 5                    |
| 00821E                                  | 7834N             | 2535-12133                   | 00000/0000                 | 2-20029/0008     | 07/10/76            | 70              | 7457         | 33.4         | 191.9                              | GGGG                |                      | 203                   | 49                   |
| 00817E                                  | 8014N             | 2456-13175                   | 00000/0000                 | 2-20024/0328     | 04/22/76            | 30              | 6356         | 20.9         | 209.7                              | GGGG                |                      | 240                   | 3                    |
| 00816E                                  | 3106N             | 2393-09170                   | 00000/0000                 | 2-20021/0240     | 02/19/76            | 0               | 5475         | 34.8         | 135.6                              | GGGG                |                      | 250                   | 1                    |
| 00814E                                  | 0543N             | 2443-08591                   | 00000/0000                 | 2-20022/1639     | 04/09/76            | 40              | 6172         | 53.1         | 88.8                               | GGGG                |                      | 206                   | 38                   |
| 00813E                                  | 0840N             | 2479-08581                   | 00000/0000                 | 2-20025/0540     | 05/15/76            | 60              | 6674         | 53.4         | 69.8                               | GGGG                |                      | 202                   | 54                   |
| 00812E                                  | 1430N             | 2462-09024                   | 00000/0000                 | 2-20024/1257     | 04/28/76            | 0               | 6437         | 55.7         | 85.9                               | GGGG                |                      | 202                   | 54                   |
| 00811E                                  | 2017N             | 2445-09071                   | 00000/0000                 | 2-20022/1835     | 04/11/76            | 10              | 6200         | 54.0         | 104.2                              | GGGG                |                      | 203                   | 50                   |
| 00811E                                  | 1432N             | 2444-09031                   | 00000/0000                 | 2-20022/1753     | 04/10/76            | 10              | 6186         | 53.9         | 96.3                               | GGGG                |                      | 204                   | 46                   |
| 00810E                                  | 2016N             | 2463-09064                   | 00000/0000                 | 2-20024/1025     | 04/29/76            | 10              | 6451         | 56.7         | 94.3                               | GGGG                |                      | 203                   | 50                   |
| 00808E                                  | 1428N             | 2426-09034                   | 00000/0000                 | 2-20022/0321     | 03/23/76            | 10              | 5935         | 50.6         | 106.4                              | GGGG                |                      | 204                   | 46                   |
| 00806E                                  | 4733N             | 2451-09339                   | 00000/0000                 | 2-20023/0486     | 04/17/76            | 10              | 6284         | 46.0         | 137.9                              | GGGG                |                      | 203                   | 50                   |
| 00805E                                  | 7936N             | 2469-12491                   | 00000/0000                 | 2-20024/1433     | 05/05/76            | 10              | 6537         | 26.0         | 203.0                              | GGGG                |                      | 210                   | 27                   |
| 00804E                                  | 4729N             | 2433-09341                   | 00000/0000                 | 2-20022/1017     | 03/30/76            | 10              | 6033         | 39.6         | 140.5                              | GGGG                |                      | 245                   | 2                    |
| 00802E                                  | 7841N             | 2482-12203                   | 00000/0000                 | 2-20025/0767     | 05/18/76            | 90              | 6718         | 30.6         | 195.7                              | GGGG                |                      | 210                   | 27                   |
| 00802E                                  | 1422N             | 2390-09045                   | 00000/0000                 | 2-20020/1420     | 02/16/76            | 10              | 5433         | 42.7         | 122.8                              | GGGG                |                      | 241                   | 3                    |
| 00801E                                  | 2007N             | 2391-09085                   | 00000/0000                 | 2-20021/0148     | 02/17/76            | 40              | 5447         | 40.4         | 127.4                              | GGGG                |                      | 203                   | 50                   |
|                                         |                   |                              |                            |                  |                     |                 |              |              |                                    |                     |                      | 204                   | 46                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LAT   | LONG | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00801E                      | 1423N |      | 2372-09051        | 00000/0000                   | 2-20020/0560                | 01/29/76         | 10                  | 5182            | 39.8         | 129.1        |                                    |                     |                      |                       |                      |
| 00801E                      | 1422N |      | 2408-09042        | 00000/0000                   | 2-20021/1155                | 03/05/76         | 0                   | 5684            | 46.6         | 115.3        | GGGG                               |                     |                      | 203                   | 50                   |
| 00759E                      | 7535N |      | 2490-11241        | 00000/0000                   | 2-20022/0003                | 05/26/76         | 90                  | 6829            | 35.6         | 180.0        | GGGG                               |                     |                      | 203                   | 50                   |
| 00759E                      | 4716N |      | 2505-09321        | 00000/0000                   | 2-20026/1301                | 06/10/76         | 50                  | 7037            | 56.6         | 126.5        | FGGG                               |                     |                      | 231                   | 6                    |
| 00758E                      | 7928N |      | 2504-12423        | 00000/0000                   | 2-20026/1122                | 06/09/76         | 90                  | 7025            | 32.9         | 200.9        | GGGG                               |                     |                      | 210                   | 27                   |
| 00757E                      | 4720N |      | 2415-09344        | 00000/0000                   | 2-20022/0062                | 03/12/76         | 50                  | 5782            | 32.7         | 142.7        | GGGG                               |                     |                      | 245                   | 2                    |
| 00755E                      | 7741N |      | 2496-11574        | 00000/0000                   | 2-20026/0530                | 06/01/76         | 30                  | 6913            | 34.3         | 189.0        | GGGG                               |                     |                      | 210                   | 27                   |
| 00755E                      | 5313N |      | 2453-09432        | 00000/0000                   | 2-20023/0499                | 04/19/76         | 10                  | 6312            | 43.2         | 144.0        | GGGG                               |                     |                      | 237                   | 3                    |
| 00754E                      | 5021N |      | 2452-09382        | 00000/0000                   | 2-20024/0130                | 04/18/76         | 20                  | 6298            | 44.7         | 140.9        | GGGG                               |                     |                      | 212                   | 23                   |
| 00753E                      | 8014N |      | 2474-13172        | 00000/0000                   | 2-20025/0128                | 05/10/76         | 0                   | 6607            | 26.3         | 210.4        | GGGG                               |                     |                      | 211                   | 25                   |
| 00753E                      | 0713N |      | 2479-08583        | 00000/0000                   | 2-20025/0541                | 05/15/76         | 80                  | 6674            | 52.7         | 68.1         | GGGG                               |                     |                      | 250                   | 1                    |
| 00752E                      | 3014N |      | 2393-09172        | 00000/0000                   | 2-20021/0254                | 02/19/76         | 0                   | 5475            | 35.6         | 134.6        | GGGG                               |                     |                      | 202                   | 55                   |
| 00751E                      | 1304N |      | 2462-09030        | 00000/0000                   | 2-20024/1258                | 04/28/76         | 0                   | 6437            | 55.3         | 83.8         | GGGG                               |                     |                      | 206                   | 39                   |
| 00750E                      | 8008N |      | 2545-13094        | 00000/0000                   | 2-20029/0147                | 07/20/76         | 100                 | 7597            | 29.6         | 205.9        | GGGG                               |                     |                      | 203                   | 51                   |
| 00750E                      | 1306N |      | 2444-09033        | 00000/0000                   | 2-20027/1754                | 04/10/76         | 10                  | 6186            | 53.8         | 94.2         | GGGG                               |                     |                      | 250                   | 1                    |
| 00749E                      | 1850N |      | 2445-09074        | 00000/0000                   | 2-20022/1836                | 04/11/76         | 0                   | 6200            | 54.1         | 101.9        | GGGG                               |                     |                      | 203                   | 51                   |
| 00748E                      | 1849N |      | 2463-09071        | 00000/0000                   | 2-20024/1026                | 04/29/76         | 10                  | 6451            | 56.6         | 92.0         | GGGG                               |                     |                      | 204                   | 47                   |
| 00747E                      | 1302N |      | 2426-09041        | 00000/0000                   | 2-20022/0322                | 03/23/76         | 0                   | 5935            | 50.8         | 104.6        | GGGG                               |                     |                      | 204                   | 47                   |
| 00747E                      | 7143S |      | 2382-07012        | 00000/0000                   | 2-20020/1173                | 02/08/76         | 10                  | 5320            | 20.6         | 75.9         | GGGG                               |                     |                      | 203                   | 51                   |
| 00745E                      | 1846N |      | 2427-09081        | 00000/0000                   | 2-20027/0550                | 03/24/76         | 0                   | 5949            | 50.1         | 111.3        | GGGG                               |                     |                      | 177                   | 111                  |
| 00741E                      | 1256N |      | 2372-09054        | 00000/0000                   | 2-20020/0561                | 01/29/76         | 0                   | 5182            | 40.5         | 128.0        | GGGG                               |                     |                      | 204                   | 47                   |
| 00741E                      | 1256N |      | 2390-09051        | 00000/0000                   | 2-20020/1421                | 02/16/76         | 10                  | 5433            | 43.3         | 121.5        | GGGG                               |                     |                      | 203                   | 51                   |
| 00741E                      | 1256N |      | 2408-09044        | 00000/0000                   | 2-20021/1156                | 03/05/76         | 0                   | 5684            | 47.0         | 113.7        | GGGG                               |                     |                      | 203                   | 51                   |
| 00740E                      | 1840N |      | 2391-09092        | 00000/0000                   | 2-20021/0149                | 02/17/76         | 10                  | 5447            | 41.1         | 126.2        | GGGG                               |                     |                      | 203                   | 51                   |
| 00739E                      | 5954N |      | 2546-09560        | 00000/0000                   | 2-20029/0072                | 07/21/76         | 60                  | 7609            | 46.7         | 145.0        | GGGG                               |                     |                      | 204                   | 47                   |
| 00737E                      | 7640N |      | 2493-11410        | 00000/0000                   | 2-20026/0452                | 05/29/76         | 90                  | 6871            | 35.0         | 184.1        | GGGG                               |                     |                      | 215                   | 18                   |
| 00733E                      | 9547N |      | 2479-08590        | 00000/0000                   | 2-20025/0542                | 05/15/76         | 80                  | 6674            | 51.9         | 66.5         | GGGG                               |                     |                      | 234                   | 5                    |
| 00731E                      | 7837N |      | 2500-12201        | 00000/0000                   | 2-20026/0823                | 06/05/76         | 10                  | 6969            | 33.7         | 194.5        | GGGG                               |                     |                      | 202                   | 56                   |
| 00731E                      | 4608N |      | 2451-09340        | 00000/0000                   | 2-20023/0487                | 04/17/76         | 10                  | 6284            | 46.8         | 136.3        | GGGG                               |                     |                      | 241                   | 3                    |
| 00729E                      | 1139N |      | 2444-09040        | 00000/0000                   | 2-20022/1755                | 04/10/76         | 10                  | 6186            | 53.6         | 92.2         | GGGG                               |                     |                      | 210                   | 28                   |
| 00729E                      | 1131N |      | 2480-09030        | 00000/0000                   | 2-20025/0509                | 05/16/76         | 50                  | 6688            | 54.7         | 73.0         | GGGG                               |                     |                      | 203                   | 52                   |
| 00728E                      | 7528N |      | 2544-11225        | 00000/0000                   | 2-20029/0024                | 07/19/76         | 100                 | 7582            | 35.3         | 176.5        | GGGG                               |                     |                      | 203                   | 52                   |
| 00727E                      | 6131N |      | 2583-10001        | 00000/0000                   | 2-20032/0262                | 08/27/76         | 10                  | 8125            | 35.8         | 152.0        | GGGG                               |                     |                      | 231                   | 6                    |
| 00727E                      | 2849N |      | 2393-09175        | 00000/0000                   | 2-20021/0255                | 02/19/76         | 0                   | 5475            | 36.4         | 133.5        | GGGG                               |                     |                      | 216                   | 17                   |
| 00727E                      | 1723N |      | 2445-09080        | 00000/0000                   | 2-20022/1837                | 04/11/76         | 0                   | 6200            | 54.1         | 99.8         | GGGG                               |                     |                      | 206                   | 40                   |
|                             |       |      |                   |                              |                             |                  |                     |                 |              |              |                                    |                     |                      | 204                   | 48                   |

KEYS: CLOUD COVER \* ..... 0 TO 100 \* % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=RAW GAIN, H=HIGH GAIN

02:44 APR 23, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00727E 1722N                            | 2463-09073        | 00000/0000 2-20024/1027                            | 04/29/76         | 0                   | 6451            | 56.0         | 89.7         | GGGG                               |                     |                      | 204                   | 48                   |
| 00727E 1136N                            | 2426-09043        | 00000/0000 2-20022/0323                            | 03/23/76         | 10                  | 5935            | 50.0         | 102.7        | GGFG                               |                     |                      | 203                   | 52                   |
| 00725E 7528N                            | 2508-11235        | 00000/0000 2-20026/1437                            | 06/13/76         | 100                 | 7080            | 37.8         | 178.4        | GGGG                               |                     |                      | 231                   | 6                    |
| 00724E 4551N                            | 2505-09324        | 00000/0000 2-20026/1302                            | 06/10/76         | 50                  | 7037            | 57.2         | 124.1        | GGGG                               |                     |                      | 210                   | 28                   |
| 00724E 1720N                            | 2427-09034        | 00000/0000 2-20022/0551                            | 03/24/76         | 0                   | 5949            | 50.4         | 109.5        | GGGG                               |                     |                      | 204                   | 48                   |
| 00723E 7751N                            | 2461-12042        | 00000/0000 2-20024/0674                            | 04/27/76         | 80                  | 6425            | 26.0         | 190.1        | GGGG                               |                     |                      | 237                   | 4                    |
| 00722E 6126N                            | 2565-10004        | 00000/0000 2-20030/1017                            | 08/09/76         | 10                  | 7874            | 41.3         | 149.1        | FGGG                               |                     |                      | 216                   | 17                   |
| 00721E 1130N                            | 2390-09054        | 00000/0000 2-20020/1422                            | 02/16/76         | 10                  | 5433            | 43.8         | 120.2        | GGGF                               |                     |                      | 203                   | 52                   |
| 00720E 1129N                            | 2372-09060        | 00000/0000 2-20020/0590                            | 01/29/76         | 0                   | 5182            | 41.2         | 126.8        | GGG                                |                     |                      | 203                   | 52                   |
| 00719E 1714N                            | 2391-09094        | 00000/0000 2-20021/0150                            | 02/17/76         | 0                   | 5447            | 41.7         | 125.0        | FGGG                               |                     |                      | 204                   | 48                   |
| 00716E 4856N                            | 2452-09385        | 00000/0000 2-20024/0131                            | 04/18/76         | 10                  | 6298            | 45.5         | 139.3        | GGGG                               |                     |                      | 211                   | 26                   |
| 00716E 3304N                            | 2394-09221        | 00000/0000 2-20021/0296                            | 02/20/76         | 10                  | 5489            | 34.3         | 136.3        | G G                                |                     |                      | 207                   | 37                   |
| 00713E 7636N                            | 2547-11393        | 00000/0000 2-20030/0102                            | 07/22/76         | 90                  | 7624            | 33.6         | 180.9        | GGGG                               |                     |                      | 234                   | 5                    |
| 00713E 0420N                            | 2479-08592        | 00000/0000 2-20025/0543                            | 05/15/76         | 50                  | 6674            | 51.1         | 64.9         | GGGG                               |                     |                      | 202                   | 57                   |
| 00711E 5148N                            | 2453-09434        | 00000/0000 2-20023/0500                            | 04/19/76         | 10                  | 6312            | 44.1         | 142.4        | GGGG                               |                     |                      | 212                   | 24                   |
| 00708E 7634N                            | 2529-11400        | 00000/0000 2-20024/0695                            | 07/04/76         | 90                  | 7373            | 36.3         | 181.4        | GGGG                               |                     |                      | 234                   | 5                    |
| 00708E 1012N                            | 2444-09042        | 00000/0000 2-20022/1756                            | 04/10/76         | 20                  | 6186            | 53.4         | 90.2         | GGGG                               |                     |                      | 203                   | 53                   |
| 00708E 1005N                            | 2480-09033        | 00000/0000 2-20025/0510                            | 05/16/76         | 60                  | 6688            | 54.1         | 71.2         | GGGG                               |                     |                      | 203                   | 53                   |
| 00707E 7847N                            | 2465-12264        | 00000/0000 2-20024/1112                            | 05/01/76         | 40                  | 6481            | 26.1         | 196.0        | GGFG                               |                     |                      | 241                   | 3                    |
| 00707E 1009N                            | 2426-09050        | 00000/0000 2-20022/0324                            | 03/23/76         | 40                  | 5935            | 51.0         | 100.9        | GGGG                               |                     |                      | 203                   | 53                   |
| 00706E 7930N                            | 2487-12484        | 00000/0000 2-20025/1119                            | 05/23/76         | 90                  | 6788            | 30.5         | 202.2        | GGGG                               |                     |                      | 246                   | 2                    |
| 00706E 2145N                            | 2464-09120        | 00000/0000 2-20024/0812                            | 04/30/76         | 0                   | 6465            | 57.0         | 96.1         | GGGG                               |                     |                      | 205                   | 45                   |
| 00706E 2144N                            | 2446-09123        | 00000/0000 2-20022/1843                            | 04/12/76         | 0                   | 6214            | 54.0         | 105.6        | GGGG                               |                     |                      | 205                   | 45                   |
| 00706E 1553N                            | 2463-09080        | 00000/0000 2-20024/1028                            | 04/29/76         | 10                  | 6451            | 56.1         | 87.5         | FGGG                               |                     |                      | 204                   | 49                   |
| 00705E 1556N                            | 2445-09083        | 00000/0000 2-20022/1838                            | 04/11/76         | 0                   | 6200            | 54.1         | 97.7         | GGGG                               |                     |                      | 204                   | 49                   |
| 00704E 2145N                            | 2428-09130        | 00000/0000 2-20022/0461                            | 03/25/76         | 0                   | 5963            | 49.7         | 114.5        | GGGG                               |                     |                      | 205                   | 45                   |
| 00703E 2723N                            | 2393-09181        | 00000/0000 2-20021/0256                            | 02/19/76         | 0                   | 5475            | 37.2         | 132.5        | FGGG                               |                     |                      | 206                   | 41                   |
| 00703E 1553N                            | 2427-09090        | 00000/0000 2-20022/0552                            | 03/24/76         | 10                  | 5949            | 50.6         | 107.6        | GGGG                               |                     |                      | 204                   | 49                   |
| 00702E 1549N                            | 2517-09064        | 00000/0000 2-20027/0320                            | 06/22/76         | 10                  | 7204            | 54.7         | 71.6         | GGGG                               |                     |                      | 204                   | 49                   |
| 00701E 8009N                            | 2492-13165        | 00000/0000 2-20026/0383                            | 05/28/76         | 60                  | 6858            | 30.2         | 209.4        | GGGG                               |                     |                      | 251                   | 1                    |
| 00701E 1003N                            | 2390-09060        | 00000/0000 2-20020/1423                            | 02/16/76         | 0                   | 5433            | 44.3         | 118.8        | GGGF                               |                     |                      | 203                   | 53                   |
| 00700E 7929N                            | 2559-12465        | 00000/0000 2-20030/0744                            | 08/03/76         | 90                  | 7792            | 27.4         | 198.7        | GGGG                               |                     |                      | 246                   | 2                    |
| 00700E 1003N                            | 2372-09063        | 00000/0000 2-20020/0591                            | 01/29/76         | 0                   | 5182            | 41.9         | 125.6        | GGG                                |                     |                      | 203                   | 53                   |
| 00658E 2139N                            | 2392-09141        | 00000/0000 2-20021/0117                            | 02/18/76         | 20                  | 5461            | 39.9         | 125.3        | FGFF                               |                     |                      | 205                   | 45                   |
| 00657E 1550N                            | 2373-09103        | 00000/0000 2-20020/0642                            | 01/30/76         | 0                   | 5196            | 39.2         | 129.9        | GGGG                               |                     |                      | 204                   | 49                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 (BLANK)=COMPRESSED, L=LINEAR  
 MSS DATA MODE.....  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG. LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|------------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00657E 1548N                             | 2391-09101        | 00000/0000 2-20021/0151                            | 02/17/76         | 0                   | 5447            | 42.3         | 123.7        |                                    |                     |                      | 204                   | 49                   |
| 00655E 7651N                             | 2458-11473        | 00000/0000 2-20024/0479                            | 04/24/76         | 70                  | 6383            | 26.1         | 185.0        | FGGG                               |                     |                      | 234                   | 5                    |
| 00654E 6239N                             | 2530-10070        | 00000/0000 2-20028/0770                            | 07/05/76         | 0                   | 7386            | 47.4         | 148.9        | FGGG                               |                     |                      | 217                   | 16                   |
| 00653E 7542N                             | 2473-11302        | 00000/0000 2-20025/0067                            | 05/09/76         | 90                  | 6592            | 31.8         | 180.8        | GGGG                               |                     |                      | 232                   | 4                    |
| 00651E 7744N                             | 2479-12035        | 00000/0000 2-20025/0550                            | 05/15/76         | 90                  | 6676            | 31.1         | 189.9        | GGGG                               |                     |                      | 238                   | 4                    |
| 00651E 3138N                             | 2394-09224        | 00000/0000 2-20021/0297                            | 02/20/76         | 10                  | 5489            | 35.1         | 135.3        | GGGG                               |                     |                      | 207                   | 38                   |
| 00648E 0845N                             | 2444-09045        | 00000/0000 2-20022/1757                            | 04/10/76         | 70                  | 6186            | 53.2         | 88.2         | GGGG                               |                     |                      | 203                   | 54                   |
| 00645E 1428N                             | 2463-09082        | 00000/0000 2-20024/1029                            | 04/29/76         | 10                  | 6451            | 55.7         | 85.3         | FGGG                               |                     |                      | 204                   | 50                   |
| 00644E 2018N                             | 2446-09125        | 00000/0000 2-20022/1844                            | 04/12/76         | 0                   | 6214            | 54.2         | 103.5        | FGGG                               |                     |                      | 205                   | 46                   |
| 00644E 2018N                             | 2464-09122        | 00000/0000 2-20024/1034                            | 04/30/76         | 30                  | 6465            | 56.8         | 93.8         | GGGG                               |                     |                      | 205                   | 46                   |
| 00644E 1429N                             | 2445-09085        | 00000/0000 2-20023/0014                            | 04/11/76         | 10                  | 6200            | 54.0         | 95.7         | GGFG                               |                     |                      | 204                   | 50                   |
| 00643E 2018N                             | 2428-09133        | 00000/0000 2-20022/0462                            | 03/25/76         | 20                  | 5963            | 50.0         | 112.7        | GGGG                               |                     |                      | 205                   | 46                   |
| 00642E 1427N                             | 2499-09073        | 00000/0000 2-20026/0786                            | 06/04/76         | 10                  | 6953            | 55.1         | 71.3         | GGGG                               |                     |                      | 204                   | 50                   |
| 00640E 0837N                             | 2390-09063        | 00000/0000 2-20020/1424                            | 02/16/76         | 30                  | 5433            | 44.8         | 117.4        | FGGG                               |                     |                      | 203                   | 54                   |
| 00639E 4730N                             | 2452-09391        | 00000/0000 2-20024/0065                            | 04/18/76         | 0                   | 6298            | 46.4         | 137.7        | GFGG                               |                     |                      | 211                   | 27                   |
| 00639E 0837N                             | 2372-09065        | 00000/0000 2-20020/0592                            | 01/29/76         | 0                   | 5182            | 42.5         | 124.4        | GGGG                               |                     |                      | 203                   | 54                   |
| 00638E 4727N                             | 2470-09385        | 00000/0000 2-20024/1750                            | 05/06/76         | 10                  | 6549            | 51.6         | 134.1        | GGGG                               |                     |                      | 211                   | 27                   |
| 00637E 7926N                             | 2505-12482        | 00000/0000 2-20026/1663                            | 06/10/76         | 100                 | 7039            | 33.0         | 200.8        | GGGG                               |                     |                      | 246                   | 2                    |
| 00636E 2013N                             | 2392-09143        | 00000/0000 2-20021/0118                            | 02/18/76         | 30                  | 5461            | 40.6         | 127.2        | GFGF                               |                     |                      | 205                   | 46                   |
| 00636E 1424N                             | 2373-09110        | 00000/0000 2-20020/0643                            | 01/30/76         | 0                   | 5196            | 39.9         | 128.8        | GGGG                               |                     |                      | 204                   | 50                   |
| 00636E 1422N                             | 2391-09103        | 00000/0000 2-20021/0152                            | 02/17/76         | 0                   | 5447            | 42.9         | 122.4        | GFFG                               |                     |                      | 204                   | 50                   |
| 00633E 7534N                             | 2491-11300        | 00000/0000 2-20026/0287                            | 05/27/76         | 80                  | 6843            | 35.8         | 179.9        | GGGG                               |                     |                      | 232                   | 6                    |
| 00633E 4718N                             | 2506-09375        | 00000/0000 2-20026/1345                            | 06/11/76         | 30                  | 7051            | 56.6         | 126.4        | GGGG                               |                     |                      | 211                   | 27                   |
| 00631E 5023N                             | 2453-09441        | 00000/0000 2-20023/0501                            | 04/19/76         | 10                  | 6312            | 45.0         | 140.8        | GGGG                               |                     |                      | 212                   | 25                   |
| 00630E 7644N                             | 2476-11471        | 00000/0000 2-20025/0081                            | 05/12/76         | 70                  | 6634            | 31.5         | 184.9        | GGGG                               |                     |                      | 235                   | 5                    |
| 00628E 0718N                             | 2444-09051        | 00000/0000 2-20022/1758                            | 04/10/76         | 80                  | 6186            | 52.9         | 86.3         | GFGG                               |                     |                      | 203                   | 55                   |
| 00627E 7841N                             | 2483-12262        | 00000/0000 2-20025/0833                            | 05/19/76         | 90                  | 6732            | 30.8         | 195.6        | GGGG                               |                     |                      | 242                   | 3                    |
| 00626E 3013N                             | 2394-09230        | 00000/0000 2-20021/0298                            | 02/20/76         | 10                  | 5489            | 35.9         | 134.3        | FGGG                               |                     |                      | 207                   | 39                   |
| 00624E 7924N                             | 2541-12472        | 00000/0000 2-20028/1589                            | 07/16/76         | 90                  | 7541            | 31.4         | 198.5        | GGGG                               |                     |                      | 246                   | 2                    |
| 00624E 1301N                             | 2463-09085        | 00000/0000 2-20024/0985                            | 04/29/76         | 20                  | 6451            | 55.4         | 83.2         | GGGG                               |                     |                      | 204                   | 51                   |
| 00623E 6008N                             | 2583-10004        | 00000/0000 2-20032/0263                            | 08/27/76         | 10                  | 8125            | 36.8         | 150.4        | GGGG                               |                     |                      | 216                   | 18                   |
| 00623E 1302N                             | 2445-09092        | 00000/0000 2-20023/0015                            | 04/11/76         | 10                  | 6200            | 53.9         | 93.6         | GFFG                               |                     |                      | 204                   | 51                   |
| 00622E 7740N                             | 2497-12032        | 00000/0000 2-20026/0148                            | 06/02/76         | 90                  | 6927            | 34.5         | 188.9        | GGGG                               |                     |                      | 238                   | 4                    |
| 00622E 1852N                             | 2428-09135        | 00000/0000 2-20022/0463                            | 03/25/76         | 40                  | 5963            | 50.4         | 110.9        | FGGG                               |                     |                      | 205                   | 47                   |
| 00622E 1852N                             | 2446-09132        | 00000/0000 2-20022/1845                            | 04/12/76         | 40                  | 6214            | 54.2         | 101.4        | GGGG                               |                     |                      | 205                   | 47                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

.02:44 APR 28, 177

LANDSAT-2  
COORDINATE LISTING  
FOR USN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00622E 1851N                            | 2464-09125        | 00000/0000                   | 2-20024/1035               | 04/30/76         | 60                  | 6465            | 56.7         | 91.5         | GGGG                               |                     |                      | 205                   | 47                   |
| 00622E 1301N                            | 2499-09075        | 00000/0000                   | 2-20026/0787               | 06/04/76         | 10                  | 6953            | 54.4         | 69.5         | GGGG                               |                     |                      | 204                   | 51                   |
| 00620E 0711N                            | 2390-09065        | 00000/0000                   | 2-20020/1425               | 02/16/76         | 80                  | 5433            | 45.3         | 116.0        | GGFG                               |                     |                      | 203                   | 55                   |
| 00619E 6003N                            | 2565-10011        | 00000/0000                   | 2-20030/1018               | 08/09/76         | 30                  | 7874            | 42.2         | 147.3        | GGG                                |                     |                      | 216                   | 18                   |
| 00619E 0711N                            | 2372-09072        | 00000/0000                   | 2-20020/0593               | 01/29/76         | 70                  | 5182            | 43.1         | 123.2        | GGGG                               |                     |                      | 203                   | 55                   |
| 00616E 7933N                            | 2470-12545        | 00000/0000                   | 2-20024/1698               | 05/06/76         | 10                  | 6551            | 26.4         | 202.6        | FGFF                               |                     |                      | 246                   | 2                    |
| 00616E 1843N                            | 2374-09152        | 00000/0000                   | 2-20020/0707               | 01/31/76         | 20                  | 5210            | 37.8         | 131.8        | FGGG                               |                     |                      | 205                   | 47                   |
| 00616E 1258N                            | 2373-09112        | 00000/0000                   | 2-20020/0644               | 01/30/76         | 0                   | 5196            | 40.6         | 127.7        | GGGG                               |                     |                      | 204                   | 51                   |
| 00615E 1255N                            | 2391-09110        | 00000/0000                   | 2-20021/0153               | 02/17/76         | 0                   | 5447            | 43.5         | 121.1        | FGFG                               |                     |                      | 204                   | 51                   |
| 00614E 1847N                            | 2392-09150        | 00000/0000                   | 2-20021/0119               | 02/18/76         | 40                  | 5461            | 41.3         | 126.0        | GGGG                               |                     |                      | 205                   | 47                   |
| 00614E 7148S                            | 2383-07070        | 00000/0000                   | 2-20020/1238               | 02/09/76         | 0                   | 5334            | 20.2         | 75.9         | GGGG                               |                     |                      | 178                   | 111                  |
| 00608E 7839N                            | 2555-12242        | 00000/0000                   | 2-20030/0469               | 07/30/76         | 90                  | 7736            | 29.6         | 192.0        | FGGG                               |                     |                      | 242                   | 3                    |
| 00608E 0551N                            | 2444-09054        | 00000/0000                   | 2-20027/1759               | 04/10/76         | 90                  | 6186            | 52.5         | 84.4         | GGGG                               |                     |                      | 203                   | 56                   |
| 00605E 7739N                            | 2551-12020        | 00000/0000                   | 2-20030/0179               | 07/26/76         | 90                  | 7680            | 31.7         | 185.9        | GGGG                               |                     |                      | 238                   | 4                    |
| 00604E 4606N                            | 2452-09394        | 00000/0000                   | 2-20024/0066               | 04/18/76         | 10                  | 6298            | 47.2         | 136.0        | GGGG                               |                     |                      | 211                   | 28                   |
| 00603E 4602N                            | 2470-09391        | 00000/0000                   | 2-20024/1751               | 05/06/76         | 10                  | 6549            | 52.4         | 132.1        | GGGG                               |                     |                      | 211                   | 28                   |
| 00603E 1134N                            | 2463-09091        | 00000/0000                   | 2-20024/0986               | 04/29/76         | 10                  | 6451            | 54.9         | 81.1         | FGGG                               |                     |                      | 204                   | 52                   |
| 00601E 1726N                            | 2446-09134        | 00000/0000                   | 2-20022/1846               | 04/12/76         | 60                  | 6214            | 54.3         | 99.3         | GGGG                               |                     |                      | 205                   | 48                   |
| 00601E 1724N                            | 2464-09131        | 00000/0000                   | 2-20024/1036               | 04/30/76         | 40                  | 6465            | 56.4         | 89.2         | FGGG                               |                     |                      | 205                   | 48                   |
| 00601E 1133N                            | 2427-09102        | 00000/0000                   | 2-20022/0553               | 03/24/76         | 50                  | 5949            | 51.1         | 102.1        | GGGF                               |                     |                      | 204                   | 52                   |
| 00600E 2843N                            | 2376-09240        | 00000/0000                   | 2-20020/0812               | 02/02/76         | 10                  | 5238            | 32.3         | 137.8        | FGGG                               |                     |                      | 207                   | 40                   |
| 00600E 0544N                            | 2390-09072        | 00000/0000                   | 2-20020/1426               | 02/16/76         | 90                  | 5433            | 45.7         | 114.6        | GGGG                               |                     |                      | 203                   | 56                   |
| 00558E 4553N                            | 2506-09382        | 00000/0000                   | 2-20024/1346               | 05/11/76         | 10                  | 7051            | 57.2         | 124.0        | FGGG                               |                     |                      | 211                   | 28                   |
| 00557E 7637N                            | 2548-11451        | 00000/0000                   | 2-20030/0016               | 07/23/76         | 100                 | 7638            | 33.4         | 181.0        | GGGG                               |                     |                      | 235                   | 5                    |
| 00557E 1132N                            | 2409-09105        | 00000/0000                   | 2-20021/1317               | 03/06/76         | 10                  | 5698            | 47.5         | 111.7        | GGGG                               |                     |                      | 204                   | 52                   |
| 00555E 1132N                            | 2373-09115        | 00000/0000                   | 2-20020/0645               | 01/30/76         | 0                   | 5196            | 41.3         | 126.5        | GGGG                               |                     |                      | 204                   | 52                   |
| 00554E 7750N                            | 2462-12100        | 00000/0000                   | 2-20024/0861               | 04/28/76         | 80                  | 6439            | 26.3         | 190.0        | GGGG                               |                     |                      | 238                   | 4                    |
| 00554E 1717N                            | 2374-09155        | 00000/0000                   | 2-20020/0708               | 01/31/76         | 10                  | 5210            | 38.6         | 130.7        | GGGG                               |                     |                      | 205                   | 48                   |
| 00553E 1721N                            | 2392-09152        | 00000/0000                   | 2-20021/0120               | 02/18/76         | 60                  | 5461            | 41.9         | 124.7        | GGGG                               |                     |                      | 205                   | 48                   |
| 00550E 7847N                            | 2466-12323        | 00000/0000                   | 2-20024/1187               | 05/02/76         | 60                  | 6495            | 26.3         | 196.2        | FGGG                               |                     |                      | 242                   | 3                    |
| 00549E 0424N                            | 2444-09060        | 00000/0000                   | 2-20022/1760               | 04/10/76         | 50                  | 6186            | 52.1         | 82.5         | GGGG                               |                     |                      | 203                   | 57                   |
| 00547E 6117N                            | 2530-10073        | 00000/0000                   | 2-20028/0771               | 07/05/76         | 10                  | 7386            | 48.3         | 146.8        | GGGG                               |                     |                      | 217                   | 17                   |
| 00543E 1009N                            | 2463-09094        | 00000/0000                   | 2-20024/0987               | 04/29/76         | 0                   | 6451            | 54.5         | 79.1         | GGGG                               |                     |                      | 204                   | 53                   |
| 00541E 7635N                            | 2530-11454        | 00000/0000                   | 2-20028/0776               | 07/05/76         | 80                  | 7387            | 36.2         | 181.4        | GGGG                               |                     |                      | 235                   | 5                    |
| 00540E 1006N                            | 2427-09104        | 00000/0000                   | 2-20022/0554               | 03/24/76         | 30                  | 5949            | 51.1         | 100.2        | GGGG                               |                     |                      | 204                   | 53                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

, 02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1200

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBY MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRAIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00540E 0418N                            | 2390-09074        | 00000/0000 2-20020/1427                            | 02/16/76         | 90                  | 5433            | 46.0         | 113.1        | GGGG                               |                     |                      | 203                   | 57                   |
| 00539E 0416N                            | 2458-13291        | 00000/0000 2-20024/0481                            | 04/24/76         | 10                  | 6384            | 21.5         | 210.1        | GGGG                               |                     |                      | 239                   | 248                  |
| 00539E 1558N                            | 2428-09144        | 00000/0000 2-20027/0650                            | 03/25/76         | 10                  | 5963            | 50.8         | 107.2        | GGGG                               |                     |                      | 205                   | 49                   |
| 00539E 1557N                            | 2464-09134        | 00000/0000 2-20024/1037                            | 04/30/76         | 10                  | 6465            | 56.1         | 87.0         | GGGG                               |                     |                      | 205                   | 49                   |
| 00538E 7929N                            | 2488-12543        | 00000/0000 2-20026/0017                            | 05/24/76         | 100                 | 6802            | 30.7         | 202.1        | GGG                                |                     |                      | 247                   | 2                    |
| 00537E 7834N                            | 2537-12245        | 00000/0000 2-20028/1264                            | 07/12/76         | 90                  | 7485            | 33.2         | 191.9        | GGGG                               |                     |                      | 242                   | 3                    |
| 00536E 2717N                            | 2376-09242        | 00000/0000 2-20020/0813                            | 02/02/76         | 0                   | 5238            | 33.2         | 137.0        | GGGG                               |                     |                      | 207                   | 41                   |
| 00536E 1552N                            | 2518-09122        | 00000/0000 2-20028/0104                            | 06/23/76         | 50                  | 7218            | 54.6         | 71.7         | FGFG                               |                     |                      | 205                   | 49                   |
| 00535E 1005N                            | 2373-09121        | 00000/0000 2-20020/0646                            | 01/30/76         | 10                  | 5196            | 42.0         | 125.3        | GGGG                               |                     |                      | 204                   | 53                   |
| 00532E 1554N                            | 2392-09155        | 00000/0000 2-20021/0121                            | 02/18/76         | 0                   | 5461            | 42.5         | 123.4        | GGGG                               |                     |                      | 205                   | 49                   |
| 00532E 1551N                            | 2374-09161        | 00000/0000 2-20020/0709                            | 01/31/76         | 0                   | 5210            | 39.3         | 129.6        | GGGG                               |                     |                      | 205                   | 49                   |
| 00526E 8010N                            | 2493-13223        | 00000/0000 2-20026/0453                            | 05/29/76         | 10                  | 6872            | 30.4         | 209.2        | GGGG                               |                     |                      | 1                     | 1                    |
| 00523E 7649N                            | 2459-11532        | 00000/0000 2-20024/0279                            | 04/25/76         | 90                  | 6397            | 26.5         | 184.9        | GGGG                               |                     |                      | 235                   | 5                    |
| 00519E 2020N                            | 2447-09144        | 00000/0000 2-20023/0442                            | 04/13/76         | 30                  | 6228            | 54.4         | 103.0        | GGGG                               |                     |                      | 204                   | 46                   |
| 00519E 0252N                            | 2390-09081        | 00000/0000 2-20020/1428                            | 02/16/76         | 100                 | 5433            | 46.4         | 111.6        | GGGF                               |                     |                      | 203                   | 58                   |
| 00518E 1432N                            | 2428-09151        | 00000/0000 2-20027/0600                            | 03/25/76         | 10                  | 5083            | 51.0         | 105.4        | GGFG                               |                     |                      | 205                   | 50                   |
| 00518E 1431N                            | 2446-09143        | 00000/0000 2-20027/1847                            | 04/12/76         | 10                  | 6214            | 54.2         | 95.1         | GGGG                               |                     |                      | 205                   | 50                   |
| 00518E 1431N                            | 2464-09140        | 00000/0000 2-20024/1038                            | 04/30/76         | 60                  | 6465            | 55.8         | 84.8         | GGGG                               |                     |                      | 205                   | 50                   |
| 00518E 1427N                            | 2492-09134        | 00000/0000 2-20025/0760                            | 05/18/76         | 100                 | 6716            | 55.9         | 76.3         | GGGG                               |                     |                      | 205                   | 50                   |
| 00517E 1427N                            | 2500-09131        | 00000/0000 2-20026/0813                            | 06/05/76         | 90                  | 6967            | 55.0         | 71.1         | FGGG                               |                     |                      | 206                   | 46                   |
| 00515E 2016N                            | 2429-09191        | 00000/0000 2-20022/0467                            | 03/26/76         | 0                   | 5977            | 50.3         | 112.2        | GGGG                               |                     |                      | 205                   | 50                   |
| 00515E 1425N                            | 2518-09124        | 00000/0000 2-20028/0105                            | 06/23/76         | 20                  | 7218            | 53.9         | 69.9         | FGGG                               |                     |                      | 205                   | 50                   |
| 00515E 0839N                            | 2373-09124        | 00000/0000 2-20020/0647                            | 01/30/76         | 20                  | 5196            | 42.6         | 124.1        | GGFG                               |                     |                      | 204                   | 54                   |
| 00514E 7842N                            | 2484-12320        | 00000/0000 2-20025/0961                            | 05/20/76         | 50                  | 6746            | 31.0         | 195.8        | GGGG                               |                     |                      | 242                   | 3                    |
| 00514E 7645N                            | 2477-11525        | 2-20025/1258 2-20025/0291                          | 05/13/76         | 30                  | 6648            | 31.7         | 185.0        | GGGG                               |                     |                      | 236                   | 5                    |
| 00513E 2551N                            | 2376-09245        | 00000/0000 2-20020/0514                            | 02/02/76         | 0                   | 5238            | 34.1         | 136.1        | FGGG                               |                     |                      | 207                   | 42                   |
| 00512E 2013N                            | 2393-09202        | 00000/0000 2-20021/0257                            | 02/19/76         | 70                  | 5475            | 40.9         | 126.8        | FGGG                               |                     |                      | 206                   | 46                   |
| 00512E 2011N                            | 2411-09195        | 00000/0000 2-20021/1327                            | 03/08/76         | 10                  | 5726            | 45.5         | 120.0        | GGFG                               |                     |                      | 206                   | 46                   |
| 00511E 1427N                            | 2392-09161        | 00000/0000 2-20021/0122                            | 02/18/76         | 0                   | 5461            | 43.1         | 122.1        | FGGG                               |                     |                      | 205                   | 50                   |
| 00511E 1424N                            | 2374-09164        | 00000/0000 2-20020/0710                            | 01/31/76         | 0                   | 5210            | 40.0         | 128.5        | GGGG                               |                     |                      | 205                   | 50                   |
| 00509E 8013N                            | 2476-13284        | 00000/0000 2-20025/0085                            | 05/12/76         | 40                  | 6635            | 26.8         | 210.4        | GGGG                               |                     |                      | 1                     | 1                    |
| 00500E 7741N                            | 2498-12091        | 00000/0000 2-20026/1188                            | 06/03/76         | 60                  | 6941            | 34.6         | 189.0        | GGGG                               |                     |                      | 239                   | 4                    |
| 00459E 8007N                            | 2547-13211        | 00000/0000 2-20030/0103                            | 07/22/76         | 70                  | 7625            | 29.2         | 205.8        | GGGG                               |                     |                      | 1                     | 1                    |
| 00459E 7934N                            | 2471-13003        | 00000/0000 2-20024/1769                            | 05/07/76         | 20                  | 5665            | 26.6         | 202.8        | GGGG                               |                     |                      | 247                   | 2                    |
| 00459E 0125N                            | 2390-09083        | 00000/0000 2-20020/1429                            | 02/16/76         | 90                  | 5433            | 46.7         | 110.1        | GGGG                               |                     |                      | 203                   | 59                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FBR NOV-76  
FROM 01/22/76 TO 01/22/77

PAGE 1201

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 00457E                      | 7926N             | 2506-12540                              | 00000/0000       | 2-20026/1357        | 06/11/76        | 80           | 7053         | 33.1                  | 200.6               | GGGG                 | 247                   | 2                    |
| 00457E                      | 1854N             | 2447-09190                              | 00000/0000       | 2-20023/0443        | 04/13/76        | 60           | 6228         | 54.4                  | 100.9               | GFFG                 | 206                   | 47                   |
| 00457E                      | 1305N             | 2428-09153                              | 00000/0000       | 2-20022/0601        | 03/25/76        | 10           | 5963         | 51.2                  | 103.5               | GGGF                 | 205                   | 51                   |
| 00457E                      | 1305N             | 2464-09143                              | 00000/0000       | 2-20024/1209        | 04/30/76        | 70           | 6465         | 55.4                  | 82.7                | GGGF                 | 205                   | 51                   |
| 00457E                      | 1304N             | 2446-09150                              | 00000/0000       | 2-20022/1848        | 04/12/76        | 0            | 6214         | 54.0                  | 93.0                | GGGG                 | 205                   | 51                   |
| 00457E                      | 1301N             | 2482-09140                              | 00000/0000       | 2-20025/0761        | 05/18/76        | 100          | 6716         | 55.3                  | 74.2                | GGGF                 | 205                   | 51                   |
| 00456E                      | 1300N             | 2500-09134                              | 00000/0000       | 2-20026/0814        | 06/05/76        | 50           | 6967         | 54.3                  | 69.3                | GGGG                 | 205                   | 51                   |
| 00454E                      | 0712N             | 2373-09130                              | 00000/0000       | 2-20020/0648        | 01/30/76        | 80           | 5196         | 43.2                  | 122.8               | GGGF                 | 204                   | 55                   |
| 00450E                      | 3432N             | 2396-09331                              | 00000/0000       | 2-20021/0434        | 02/22/76        | 10           | 5517         | 34.0                  | 136.9               | GGFG                 | 209                   | 36                   |
| 00450E                      | 1846N             | 2393-09204                              | 00000/0000       | 2-20021/0258        | 02/19/76        | 90           | 5475         | 41.5                  | 125.6               | FGGG                 | 206                   | 47                   |
| 00450E                      | 1845N             | 2411-09201                              | 00000/0000       | 2-20021/1328        | 03/08/76        | 30           | 5726         | 46.0                  | 118.5               | FGFG                 | 206                   | 47                   |
| 00450E                      | 1301N             | 2392-09164                              | 00000/0000       | 2-20021/0123        | 02/18/76        | 0            | 5461         | 43.6                  | 120.8               | GGFG                 | 205                   | 51                   |
| 00450E                      | 1257N             | 2374-09170                              | 00000/0000       | 2-20020/0711        | 01/31/76        | 0            | 5210         | 40.7                  | 127.4               | FGGF                 | 205                   | 51                   |
| 00449E                      | 2425N             | 2376-09251                              | 00000/0000       | 2-20020/0815        | 02/02/76        | 0            | 5238         | 34.9                  | 135.1               | GGGG                 | 207                   | 43                   |
| 00445E                      | 7924N             | 2542-12530                              | 00000/0000       | 2-20028/1747        | 07/17/76        | 90           | 7555         | 31.3                  | 198.4               | GGGG                 | 247                   | 2                    |
| 00444E                      | 5955N             | 2530-10075                              | 00000/0000       | 2-20028/0772        | 07/05/76        | 10           | 7386         | 49.1                  | 144.7               | FGFF                 | 217                   | 18                   |
| 00440E                      | 7640N             | 2495-11522                              | 00000/0000       | 2-20026/0556        | 05/31/76        | 80           | 6899         | 35.3                  | 184.1               | GFFG                 | 236                   | 5                    |
| 00436E                      | 1727N             | 2447-09193                              | 00000/0000       | 2-20023/0444        | 04/13/76        | 20           | 6228         | 54.4                  | 98.8                | GGGG                 | 206                   | 48                   |
| 00436E                      | 1137N             | 2446-09152                              | 00000/0000       | 2-20022/1849        | 04/12/76        | 10           | 6214         | 53.8                  | 91.0                | GGGG                 | 205                   | 52                   |
| 00436E                      | 1134N             | 2500-09140                              | 00000/0000       | 2-20026/0815        | 06/05/76        | 10           | 6967         | 53.6                  | 67.5                | GGGG                 | 205                   | 52                   |
| 00433E                      | 8055N             | 2529-13214                              | 00000/0000       | 2-20028/0621        | 07/04/76        | 80           | 7374         | 31.8                  | 206.3               | GGGF                 | 1                     | 1                    |
| 00433E                      | 1723N             | 2429-09200                              | 00000/0000       | 2-20022/0468        | 03/26/76        | 0            | 5977         | 50.9                  | 108.5               | GF G                 | 206                   | 48                   |
| 00432E                      | 7737N             | 2534-12081                              | 00000/0000       | 2-20028/1124        | 07/09/76        | 10           | 7443         | 34.7                  | 186.3               | GGGG                 | 239                   | 4                    |
| 00430E                      | 1136N             | 2392-09170                              | 00000/0000       | 2-20021/0124        | 02/18/76        | 0            | 5461         | 44.2                  | 119.4               | GGFG                 | 205                   | 52                   |
| 00429E                      | 7752N             | 2463-12154                              | 00000/0000       | 2-20024/0996        | 04/29/76        | 60           | 6453         | 26.6                  | 190.2               | GGGG                 | 239                   | 4                    |
| 00429E                      | 1718N             | 2411-09204                              | 00000/0000       | 2-20021/1329        | 03/08/76        | 10           | 5726         | 46.5                  | 117.0               | GGGG                 | 206                   | 48                   |
| 00429E                      | 1132N             | 2374-09173                              | 00000/0000       | 2-20020/0712        | 01/31/76        | 10           | 5210         | 41.4                  | 126.2               | FGGF                 | 205                   | 52                   |
| 00428E                      | 1720N             | 2393-09211                              | 00000/0000       | 2-20021/0259        | 02/19/76        | 40           | 5475         | 42.1                  | 124.3               | FGGG                 | 206                   | 48                   |
| 00426E                      | 2259N             | 2376-09254                              | 00000/0000       | 2-20020/0816        | 02/02/76        | 0            | 5238         | 35.8                  | 134.2               | GGGG                 | 207                   | 44                   |
| 00425E                      | 1714N             | 2375-09213                              | 00000/0000       | 2-20020/0737        | 02/01/76        | 30           | 5224         | 38.7                  | 130.4               | FGGG                 | 206                   | 48                   |
| 00424E                      | 3306N             | 2396-09334                              | 00000/0000       | 2-20021/0435        | 02/22/76        | 0            | 5517         | 34.9                  | 135.9               | GGFG                 | 209                   | 37                   |
| 00419E                      | 7931N             | 2489-13001                              | 00000/0000       | 2-20026/0084        | 05/25/76        | 100          | 6816         | 30.8                  | 202.3               | GGGG                 | 247                   | 2                    |
| 00418E                      | 7636N             | 2549-11510                              | 00000/0000       | 2-20030/0075        | 07/24/76        | 90           | 7652         | 33.2                  | 180.9               | GGGG                 | 236                   | 5                    |
| 00418E                      | 7634N             | 2531-11513                              | 00000/0000       | 2-20028/0935        | 07/06/76        | 100          | 7401         | 36.1                  | 181.3               | GGGG                 | 236                   | 5                    |
| 00416E                      | 1011N             | 2446-09155                              | 00000/0000       | 2-20027/1850        | 04/12/76        | 20           | 6214         | 53.6                  | 89.0                | GGGG                 | 205                   | 53                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK; NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1202

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00415E 1600N                            | 2447-09195        | 00000/0000                   | 2-20023/0445                | 04/13/76         | 40                  | 6228            | 54.4         | 96.7         | GGGG                               |                     |                      | 206                   | 49                   |
| 00415E 1008N                            | 2500-09143        | 00000/0000                   | 2-20026/0816                | 06/05/76         | 10                  | 6967            | 52.8         | 65.8         | GGGG                               |                     |                      | 205                   | 53                   |
| 00412E 1556N                            | 2429-09203        | 00000/0000                   | 2-20027/0469                | 03/26/76         | 0                   | 5977            | 51.1         | 106.6        | GF G                               |                     |                      | 206                   | 45                   |
| 00411E 1002N                            | 2410-09170        | 00000/0000                   | 2-20021/1118                | 03/07/76         | 10                  | 5712            | 48.0         | 109.5        | GGGG                               |                     |                      | 205                   | 53                   |
| 00410E 2720N                            | 2395-09294        | 00000/0000                   | 2-20021/0362                | 02/21/76         | 0                   | 5503            | 37.8         | 131.9        | FG G                               |                     |                      | 208                   | 41                   |
| 00409E 1550N                            | 2519-09180        | 00000/0000                   | 2-20028/0120                | 06/24/76         | 30                  | 7232            | 54.6         | 71.7         | GGGG                               |                     |                      | 206                   | 49                   |
| 00409E 1005N                            | 2374-09175        | 00000/0000                   | 2-20020/0713                | 01/31/76         | 20                  | 5210            | 42.1         | 126.0        | GGGG                               |                     |                      | 205                   | 53                   |
| 00408E 1552N                            | 2411-09210        | 00000/0000                   | 2-20021/1330                | 03/08/76         | 10                  | 5726            | 46.9         | 115.5        | GGGG                               |                     |                      | 206                   | 49                   |
| 00407E 1553N                            | 2393-09213        | 00000/0000                   | 2-20021/0260                | 02/19/76         | 0                   | 5475            | 42.7         | 123.0        | FGGG                               |                     |                      | 206                   | 49                   |
| 00404E 2133N                            | 2376-09240        | 00000/0000                   | 2-20020/0817                | 02/02/76         | 0                   | 5238            | 36.6         | 133.2        | GGGG                               |                     |                      | 207                   | 45                   |
| 00404E 1546N                            | 2375-09220        | 00000/0000                   | 2-20020/0738                | 02/01/76         | 0                   | 5224            | 39.5         | 129.3        | GGG                                |                     |                      | 206                   | 49                   |
| 00402E 8015N                            | 2459-13345        | 00000/0000                   | 2-20024/0280                | 04/25/76         | 0                   | 6398            | 21.9         | 210.1        | GGGG                               |                     |                      | 2                     | 1                    |
| 00402E 7745N                            | 2481-12152        | 00000/0000                   | 2-20025/0728                | 05/17/76         | 80                  | 6704            | 31.5         | 190.0        | GGGG                               |                     |                      | 240                   | 4                    |
| 00359E 3140N                            | 2396-09340        | 00000/0000                   | 2-20021/0436                | 02/22/76         | 0                   | 5517            | 35.7         | 134.8        | GGGG                               |                     |                      | 209                   | 38                   |
| 00355E 1433N                            | 2447-09202        | 00000/0000                   | 2-20023/0446                | 04/13/76         | 10                  | 6228            | 54.3         | 94.6         | GGGG                               |                     |                      | 206                   | 50                   |
| 00351E 1430N                            | 2429-09205        | 00000/0000                   | 2-20027/0470                | 03/26/76         | 0                   | 5977            | 51.2         | 104.8        | GGGG                               |                     |                      | 206                   | 50                   |
| 00348E 1424N                            | 2519-09183        | 00000/0000                   | 2-20028/0121                | 06/24/76         | 20                  | 7232            | 53.9         | 69.9         | GGFG                               |                     |                      | 206                   | 50                   |
| 00348E 0839N                            | 2374-09182        | 00000/0000                   | 2-20020/0714                | 01/31/76         | 20                  | 5210            | 42.7         | 123.7        | GGGG                               |                     |                      | 205                   | 54                   |
| 00347E 5823N                            | 2386-10122        | 00000/0000                   | 2-20020/1294                | 02/12/76         | 70                  | 5378            | 14.5         | 153.3        | GGGG                               |                     |                      | 217                   | 19                   |
| 00347E 2554N                            | 2395-09300        | 00000/0000                   | 2-20021/0363                | 02/21/76         | 0                   | 5503            | 38.6         | 130.8        | FFFF                               |                     |                      | 208                   | 42                   |
| 00347E 1425N                            | 2411-09213        | 00000/0000                   | 2-20021/1331                | 03/08/76         | 30                  | 5726            | 47.3         | 113.9        | FGGG                               |                     |                      | 206                   | 50                   |
| 00346E 1427N                            | 2393-09220        | 00000/0000                   | 2-20021/0261                | 02/19/76         | 0                   | 5475            | 43.3         | 121.7        | FGGG                               |                     |                      | 206                   | 50                   |
| 00343E 7842N                            | 2485-12374        | 00000/0000                   | 2-20025/1014                | 05/21/76         | 90                  | 6760            | 31.2         | 195.7        | GGGP                               |                     |                      | 244                   | 3                    |
| 00343E 2007N                            | 2376-09263        | 00000/0000                   | 2-20020/0818                | 02/02/76         | 0                   | 5238            | 37.4         | 132.2        | GGGG                               |                     |                      | 207                   | 46                   |
| 00343E 1419N                            | 2375-09222        | 00000/0000                   | 2-20020/0739                | 02/01/76         | 0                   | 5224            | 40.2         | 128.2        | GGG                                |                     |                      | 206                   | 50                   |
| 00337E 7644N                            | 2478-11583        | 00000/0000                   | 2-20025/0378                | 05/14/76         | 80                  | 6662            | 32.0         | 184.9        | GGGG                               |                     |                      | 237                   | 5                    |
| 00334E 3014N                            | 2396-09343        | 00000/0000                   | 2-20021/0437                | 02/22/76         | 0                   | 5517            | 36.5         | 133.8        | GGGG                               |                     |                      | 209                   | 39                   |
| 00334E 1307N                            | 2447-09204        | 00000/0000                   | 2-20023/0447                | 04/13/76         | 10                  | 6228            | 54.1         | 92.5         | GGGG                               |                     |                      | 206                   | 51                   |
| 00332E 5014N                            | 2563-09524        | 00000/0000                   | 2-20030/0713                | 08/07/76         | 30                  | 7846            | 48.5         | 134.2        | GGFF                               |                     |                      | 214                   | 25                   |
| 00331E 1852N                            | 2448-09244        | 00000/0000                   | 2-20023/0170                | 04/14/76         | 90                  | 6242            | 54.6         | 100.3        | GGFG                               |                     |                      | 207                   | 47                   |
| 00331E 1303N                            | 2429-09212        | 00000/0000                   | 2-20027/0471                | 03/26/76         | 0                   | 5977            | 51.4         | 102.9        | GGGG                               |                     |                      | 206                   | 51                   |
| 00330E 5542N                            | 2403-10070        | 00000/0000                   | 2-20021/0897                | 02/29/76         | 50                  | 5615            | 22.4         | 150.0        | GGGG                               |                     |                      | 216                   | 21                   |
| 00329E 5538N                            | 2385-10073        | 00000/0000                   | 2-20020/1394                | 02/11/76         | 70                  | 5364            | 16.2         | 151.6        | GGGG                               |                     |                      | 216                   | 21                   |
| 00329E 5006N                            | 2365-09580        | 00000/0000                   | 2-20020/0099                | 01/22/76         | 100                 | 5085            | 15.3         | 151.0        | GGGG                               |                     |                      | 214                   | 25                   |
| 00329E 1851N                            | 2430-09252        | 00000/0000                   | 2-20027/0683                | 03/27/76         | 0                   | 5991            | 50.8         | 109.9        | GGGG                               |                     |                      | 207                   | 47                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 29, 1977

LANDSAT-2  
COORDINATE LISTING  
FBR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1203

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBV<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00328E 1258N                            | 2519-09185        | 00000/0000 2-20023/0020                            | 06/24/76         | 60                  | 7232            | 53.2         | 68.1         | GGGG                               |                     |                      | 206                   | 51                   |
| 00327E 7925N                            | 2507-12594        | 00000/0000 2-20026/1136                            | 06/12/76         | 70                  | 7067            | 33.2         | 200.4        | GGGG                               |                     |                      | 248                   | 2                    |
| 00327E 5006N                            | 2401-09571        | 00000/0000 2-20027/0008                            | 02/27/76         | 50                  | 5587            | 25.6         | 146.3        | FGGG                               |                     |                      | 214                   | 25                   |
| 00327E 1258N                            | 2411-09215        | 00000/0000 2-20021/1332                            | 03/08/76         | 10                  | 5726            | 47.6         | 112.3        | FGGG                               |                     |                      | 206                   | 51                   |
| 00326E 7741N                            | 2499-12145        | 00000/0000 2-20026/0755                            | 06/04/76         | 100                 | 6955            | 34.7         | 188.8        | FGGG                               |                     |                      | 240                   | 4                    |
| 00326E 5255N                            | 2366-10025        | 00000/0000 2-20019/0206                            | 01/23/76         | 50                  | 6099            | 13.3         | 152.3        | FGGG                               |                     |                      | 215                   | 23                   |
| 00325E 1301N                            | 2393-09222        | 00000/0000 2-20021/0262                            | 02/19/76         | 0                   | 5475            | 43.8         | 120.4        | FGGG                               |                     |                      | 206                   | 51                   |
| 00324E 8013N                            | 2477-13343        | P-20025/1259 2-20025/0586                          | 05/13/76         | 20                  | 6649            | 27.1         | 210.3        | GGGG                               | GGF                 |                      | 2                     | 1                    |
| 00324E 7934N                            | 2472-13062        | 00000/0000 2-20025/0051                            | 05/08/76         | 40                  | 6579            | 26.9         | 202.7        | FFFF                               |                     |                      | 248                   | 2                    |
| 00324E 7742N                            | 2553-12132        | 00000/0000 2-20030/0310                            | 07/28/76         | 90                  | 7708            | 31.2         | 186.1        | GGGG                               |                     |                      | 240                   | 4                    |
| 00324E 2428N                            | 2395-09303        | 00000/0000 2-20021/0364                            | 02/21/76         | 0                   | 5503            | 39.3         | 129.7        | GGGG                               |                     |                      | 208                   | 43                   |
| 00324E 1843N                            | 2412-09255        | 00000/0000 2-20021/1386                            | 03/09/76         | 0                   | 5740            | 46.3         | 118.1        | GG                                 |                     |                      | 207                   | 47                   |
| 00323E 5253N                            | 2402-10021        | 00000/0000 2-20021/0830                            | 02/28/76         | 40                  | 5601            | 24.0         | 148.1        | FFFFG                              |                     |                      | 215                   | 23                   |
| 00323E 1253N                            | 2375-09225        | 00000/0000 2-20020/0740                            | 02/01/76         | 0                   | 5224            | 40.9         | 127.0        | PGGG                               |                     |                      | 206                   | 51                   |
| 00322E 1841N                            | 2376-09265        | 00000/0000 2-20020/0819                            | 02/02/76         | 0                   | 5238            | 38.1         | 131.1        | GGGG                               |                     |                      | 207                   | 47                   |
| 00321E 4954N                            | 2383-09574        | 00000/0000 2-20020/1254                            | 02/09/76         | 90                  | 5336            | 19.8         | 148.4        | FFGF                               |                     |                      | 214                   | 25                   |
| 00319E 5948N                            | 2387-10174        | 00000/0000 2-20020/1458                            | 02/13/76         | 10                  | 5392            | 13.7         | 154.2        | FFFF                               |                     |                      | 213                   | 18                   |
| 00317E 5241N                            | 2384-10024        | 00000/0000 2-20020/1078                            | 02/10/76         | 20                  | 5350            | 18.1         | 149.9        | GGGG                               |                     |                      | 215                   | 23                   |
| 00314E 7639N                            | 2496-11581        | 00000/0000 2-20026/0531                            | 06/01/76         | 90                  | 6913            | 35.5         | 183.9        | FGGG                               |                     |                      | 237                   | 5                    |
| 00314E 1140N                            | 2447-09211        | 00000/0000 2-20023/0448                            | 04/13/76         | 10                  | 6228            | 53.9         | 90.4         | GFGG                               |                     |                      | 206                   | 52                   |
| 00312E 8005N                            | 2530-13272        | 00000/0000 2-20028/0778                            | 07/05/76         | 90                  | 7388            | 31.7         | 206.4        | GGGG                               |                     |                      | 2                     | 1                    |
| 00310E 2848N                            | 2396-09345        | 00000/0000 2-20021/0438                            | 02/22/76         | 0                   | 5517            | 37.3         | 132.7        | GGGG                               |                     |                      | 209                   | 40                   |
| 00310E 1725N                            | 2448-09251        | 00000/0000 2-20023/0171                            | 04/14/76         | 60                  | 6242            | 54.6         | 98.2         | GGGG                               |                     |                      | 207                   | 48                   |
| 00310E 1136N                            | 2429-09214        | 00000/0000 2-20027/0472                            | 03/26/76         | 0                   | 5977            | 51.4         | 101.0        | GGGG                               |                     |                      | 206                   | 52                   |
| 00308E 1725N                            | 2430-09254        | 00000/0000 2-20027/0684                            | 03/27/76         | 0                   | 5991            | 51.1         | 108.0        | GGGG                               |                     |                      | 207                   | 48                   |
| 00306E 1132N                            | 2411-09222        | 00000/0000 2-20021/1333                            | 03/08/76         | 10                  | 5726            | 47.9         | 110.7        | GGGG                               |                     |                      | 206                   | 52                   |
| 00304E 7835N                            | 2503-12372        | 00000/0000 2-20026/0979                            | 06/08/76         | 80                  | 7011            | 34.0         | 194.1        | GGGG                               |                     |                      | 244                   | 3                    |
| 00304E 1134N                            | 2393-09225        | 00000/0000 2-20021/0263                            | 02/19/76         | 10                  | 5475            | 44.4         | 119.0        | FGGG                               |                     |                      | 206                   | 52                   |
| 00302E 2302N                            | 2395-09305        | 00000/0000 2-20021/0365                            | 02/21/76         | 10                  | 5503            | 40.0         | 128.5        | GGGG                               |                     |                      | 208                   | 44                   |
| 00302E 1128N                            | 2375-09231        | 00000/0000 2-20020/0741                            | 02/01/76         | 0                   | 5224            | 41.6         | 125.8        | FGGG                               |                     |                      | 206                   | 52                   |
| 00300E 1715N                            | 2376-09272        | 00000/0000 2-20020/0820                            | 02/02/76         | 0                   | 5238            | 38.9         | 130.1        | GGGG                               |                     |                      | 207                   | 48                   |
| 00259E 7751N                            | 2464-12213        | 00000/0000 2-20024/0194                            | 04/30/76         | 50                  | 6467            | 26.9         | 190.2        | GGGG                               |                     |                      | 240                   | 4                    |
| 00257E 7736N                            | 2535-12135        | 00000/0000 2-20029/0009                            | 07/10/76         | 50                  | 7457            | 34.6         | 186.2        | GGGG                               |                     |                      | 240                   | 4                    |
| 00255E 8040N                            | 2536-14011        | 00000/0000 2-20028/1325                            | 07/11/76         | 70                  | 7472            | 29.9         | 214.6        | GGGG                               |                     |                      | 241                   | 248                  |
| 00253E 5700N                            | 2386-10124        | 00000/0000 2-20020/1295                            | 02/12/76         | 100                 | 5378            | 15.5         | 152.3        | FGGG                               |                     |                      | 217                   | 20                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00253E 1013N                            | 2447-09213        | 00000/0000 2-20023/0449                            | 04/13/76         | 20                  | 6228            | 53.7         | 88.4         |                                    |                     |                      |                       |                      |
| 00250E 4842N                            | 2365-09583        | 00000/0000 2-20020/0100                            | 01/22/76         | 100                 | 5085            | 16.3         | 150.3        | GGGG                               |                     |                      | 206                   | 53                   |
| 00249E 4842N                            | 2401-09574        | 00000/0000 2-20022/0009                            | 02/27/76         | 80                  | 5587            | 26.6         | 145.4        | GGGG                               |                     |                      | 214                   | 26                   |
| 00249E 1600N                            | 2466-09250        | 00000/0000 2-20024/1180                            | 05/02/76         | 30                  | 6493            | 56.3         | 86.0         | GGGG                               |                     |                      | 214                   | 26                   |
| 00249E 1558N                            | 2448-09253        | 00000/0000 2-20023/0172                            | 04/14/76         | 40                  | 6242            | 54.5         | 96.0         | FGFG                               |                     |                      | 207                   | 49                   |
| 00247E 1558N                            | 2430-09261        | 00000/0000 2-20022/0685                            | 03/27/76         | 0                   | 5991            | 51.3         | 106.1        | GGGF                               |                     |                      | 207                   | 49                   |
| 00246E 2722N                            | 2396-09352        | 00000/0000 2-20021/0439                            | 02/22/76         | 10                  | 5517            | 38.1         | 131.6        | GGGG                               |                     |                      | 207                   | 49                   |
| 00244E 8009N                            | 2495-13340        | 00000/0000 2-20026/0560                            | 05/31/76         | 40                  | 6900            | 30.7         | 209.2        | GGGG                               |                     |                      | 209                   | 41                   |
| 00244E 5131N                            | 2366-10032        | 00000/0000 2-20019/0207                            | 01/23/76         | 50                  | 5099            | 14.4         | 151.6        | GGGG                               |                     |                      | 3                     | 1                    |
| 00243E 5414N                            | 2385-10075        | 00000/0000 2-20020/1395                            | 02/11/76         | 60                  | 5364            | 17.2         | 150.7        | GGGG                               |                     |                      | 215                   | 24                   |
| 00243E 4830N                            | 2383-09581        | 00000/0000 2-20020/1255                            | 02/09/76         | 90                  | 5336            | 20.8         | 147.6        | GGGG                               |                     |                      | 214                   | 22                   |
| 00242E 5419N                            | 2403-10072        | 00000/0000 2-20021/0898                            | 02/29/76         | 30                  | 5615            | 23.4         | 149.0        | GGGF                               |                     |                      | 214                   | 26                   |
| 00241E 5130N                            | 2402-10023        | 00000/0000 2-20021/0831                            | 02/28/76         | 30                  | 5601            | 25.0         | 147.2        | GGGG                               |                     |                      | 216                   | 22                   |
| 00241E 1003N                            | 2375-09234        | 00000/0000 2-20024/0742                            | 02/01/76         | 10                  | 5224            | 42.2         | 124.6        | FFFF                               |                     |                      | 215                   | 24                   |
| 00239E 2136N                            | 2395-09312        | 00000/0000 2-20021/0366                            | 02/21/76         | 10                  | 5503            | 40.7         | 127.3        | FGGG                               |                     |                      | 204                   | 53                   |
| 00239E 1549N                            | 2376-09274        | 00000/0000 2-20020/0821                            | 02/02/76         | 0                   | 5238            | 39.6         | 129.0        | GGGG                               |                     |                      | 208                   | 45                   |
| 00235E 7650N                            | 2461-12044        | 00000/0000 2-20024/0675                            | 04/27/76         | 60                  | 6425            | 27.1         | 185.0        | GGGG                               |                     |                      | 207                   | 49                   |
| 00235E 5117N                            | 2384-10030        | 00000/0000 2-20020/1079                            | 02/10/76         | 70                  | 5350            | 19.1         | 149.0        | GGGG                               |                     |                      | 237                   | 5                    |
| 00231E 7744N                            | 2482-12210        | 00000/0000 2-20025/0768                            | 05/18/76         | 90                  | 6718            | 31.8         | 189.9        | GGGG                               |                     |                      | 215                   | 24                   |
| 00228E 1433N                            | 2466-09253        | 00000/0000 2-20024/1181                            | 05/02/76         | 10                  | 6493            | 55.9         | 83.8         | GGGF                               |                     |                      | 241                   | 4                    |
| 00228E 1431N                            | 2448-09260        | 00000/0000 2-20023/0173                            | 04/14/76         | 10                  | 6242            | 54.4         | 93.9         | GGGG                               |                     |                      | 207                   | 50                   |
| 00226E 1431N                            | 2430-09263        | 00000/0000 2-20022/0686                            | 03/27/76         | 0                   | 5991            | 51.4         | 104.2        | FGGG                               |                     |                      | 207                   | 50                   |
| 00223E 2556N                            | 2396-09354        | 00000/0000 2-20021/0440                            | 02/22/76         | 0                   | 5517            | 38.8         | 130.5        | FGGG                               |                     |                      | 207                   | 50                   |
| 00222E 5825N                            | 2387-10180        | 00000/0000 2-20020/1459                            | 02/13/76         | 10                  | 5392            | 14.8         | 153.2        | GGGG                               |                     |                      | 209                   | 42                   |
| 00221E 0836N                            | 2375-09243        | 00000/0000 2-20020/0743                            | 02/01/76         | 10                  | 5224            | 42.8         | 123.3        | GGGG                               |                     |                      | 218                   | 19                   |
| 00220E 1425N                            | 2394-09274        | 00000/0000 2-20021/0299                            | 02/20/76         | 10                  | 5489            | 43.5         | 121.3        | GGGG                               |                     |                      | 206                   | 54                   |
| 00218E 1422N                            | 2376-09281        | 00000/0000 2-20020/0822                            | 02/02/76         | 10                  | 5238            | 40.3         | 127.8        | GGGG                               |                     |                      | 207                   | 50                   |
| 00216E 7936N                            | 2455-13123        | 00000/0000 2-20024/0313                            | 04/21/76         | 90                  | 6342            | 21.7         | 202.2        | GGGG                               |                     |                      | 207                   | 50                   |
| 00211E 7841N                            | 2486-12432        | 00000/0000 2-20025/1049                            | 05/22/76         | 0                   | 6774            | 31.4         | 195.6        | GGGG                               |                     |                      | 249                   | 2                    |
| 00208E 7643N                            | 2479-12042        | 00000/0000 2-20025/0551                            | 05/15/76         | 70                  | 6676            | 32.2         | 184.9        | GGGG                               |                     |                      | 245                   | 3                    |
| 00207E 1305N                            | 2448-09262        | 00000/0000 2-20023/0174                            | 04/14/76         | 10                  | 6242            | 54.3         | 91.8         | GGGG                               |                     |                      | 238                   | 5                    |
| 00205E 1304N                            | 2430-09270        | 00000/0000 2-20022/0687                            | 03/27/76         | 0                   | 5991            | 51.5         | 102.4        | GGFG                               |                     |                      | 207                   | 51                   |
| 00205E 1259N                            | 2484-09253        | 00000/0000 2-20025/0952                            | 05/20/76         | 10                  | 6744            | 55.2         | 73.5         | GGGG                               |                     |                      | 207                   | 51                   |
| 00203E 7934N                            | 2473-13120        | 00000/0000 2-20025/0069                            | 05/09/76         | 0                   | 6593            | 27.2         | 202.9        | GGGG                               |                     |                      | 207                   | 51                   |
| 00203E 7740N                            | 2500-12203        | 00000/0000 2-20026/0824                            | 06/05/76         | 90                  | 6969            | 34.8         | 188.7        | GGGG                               |                     |                      | 249                   | 2                    |
|                                         |                   |                                                    |                  |                     |                 |              |              |                                    |                     |                      | 241                   | 4                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00203E 5537N                            | 2386-10131        | 00000/0000                   | 2-20020/1296               | 02/12/76         | 100                 | 5378            | 16.5         | 151.4        | GGGG                               |                     |                      | 217                   | 21                   |
| 00203E 5007N                            | 2366-10034        | 00000/0000                   | 2-20019/0208               | 01/23/76         | 30                  | 5099            | 15.4         | 150.9        | FGGG                               |                     |                      | 215                   | 25                   |
| 00200E 5007N                            | 2549-13323        | 00000/0000                   | 2-20030/0076               | 07/24/76         | 30                  | 7653            | 28.8         | 205.8        | GGGG                               |                     |                      | 3                     | 1                    |
| 00200E 2431N                            | 2396-09361        | 00000/0000                   | 2-20021/0441               | 02/22/76         | 0                   | 5517            | 39.5         | 129.4        | FGFG                               |                     |                      | 209                   | 43                   |
| 00200E 0710N                            | 2375-09243        | 00000/0000                   | 2-20020/0744               | 02/01/76         | 20                  | 5224            | 43.4         | 122.1        | FGFF                               |                     |                      | 206                   | 55                   |
| 00159E 8011N                            | 2478-13401        | 2-20025/1262                 | 2-20025/0379               | 05/14/76         | 10                  | 6663            | 27.3         | 210.2        | GGG                                | GGGG                |                      | 3                     | 1                    |
| 00159E 1259N                            | 2394-09280        | 00000/0000                   | 2-20021/0300               | 02/20/76         | 10                  | 5489            | 44.0         | 120.0        | GGGG                               |                     |                      | 207                   | 51                   |
| 00158E 5250N                            | 2385-10082        | 00000/0000                   | 2-20020/1396               | 02/11/76         | 40                  | 5364            | 18.3         | 149.8        | GGGG                               |                     |                      | 216                   | 23                   |
| 00158E 1255N                            | 2376-09283        | 00000/0000                   | 2-20020/0823               | 02/02/76         | 10                  | 5238            | 41.0         | 126.7        | GGGG                               |                     |                      | 207                   | 51                   |
| 00157E 5255N                            | 2403-10075        | 00000/0000                   | 2-20021/0899               | 02/29/76         | 70                  | 5615            | 24.4         | 148.0        | GGGG                               |                     |                      | 216                   | 23                   |
| 00155E 4953N                            | 2384-10033        | 00000/0000                   | 2-20020/1080               | 02/10/76         | 90                  | 5350            | 20.1         | 148.2        | FGFG                               |                     |                      | 215                   | 25                   |
| 00154E 5946N                            | 2388-10232        | 00000/0000                   | 2-20020/1515               | 02/14/76         | 100                 | 5406            | 14.1         | 154.1        | FFGG                               |                     |                      | 219                   | 18                   |
| 00153E 7924N                            | 2508-13053        | 00000/0000                   | 2-20026/1439               | 06/13/76         | 100                 | 7081            | 33.3         | 200.3        | GGGG                               |                     |                      | 249                   | 2                    |
| 00149E 7925N                            | 2544-13043        | 00000/0000                   | 2-20029/0026               | 07/19/76         | 100                 | 7583            | 30.9         | 198.3        | GGGG                               |                     |                      | 249                   | 2                    |
| 00146E 1138N                            | 2448-09265        | 00000/0000                   | 2-20023/0175               | 04/14/76         | 30                  | 6242            | 54.0         | 89.8         | FGFG                               |                     |                      | 207                   | 52                   |
| 00144E 1137N                            | 2430-09272        | 00000/0000                   | 2-20022/0688               | 03/27/76         | 0                   | 5991            | 51.6         | 100.5        | GGGG                               |                     |                      | 207                   | 52                   |
| 00144E 1132N                            | 2484-09255        | 00000/0000                   | 2-20025/0953               | 05/20/76         | 10                  | 6744            | 54.6         | 71.6         | GGGF                               |                     |                      | 207                   | 52                   |
| 00143E 7736N                            | 2536-12193        | 00000/0000                   | 2-20028/1316               | 07/11/76         | 70                  | 7471            | 34.4         | 186.3        | GGGG                               |                     |                      | 241                   | 4                    |
| 00140E 7638N                            | 2497-12035        | 00000/0000                   | 2-20026/0149               | 06/02/76         | 80                  | 6927            | 35.6         | 183.8        | GGGG                               |                     |                      | 238                   | 5                    |
| 00140E 0544N                            | 2375-09245        | 00000/0000                   | 2-20020/0745               | 02/01/76         | 50                  | 5224            | 43.9         | 120.7        | FGGG                               |                     |                      | 206                   | 56                   |
| 00138E 1133N                            | 2394-09283        | 00000/0000                   | 2-20021/0301               | 02/20/76         | 10                  | 5489            | 44.5         | 118.6        | GGGG                               |                     |                      | 207                   | 52                   |
| 00137E 7838N                            | 2504-12430        | 00000/0000                   | 2-20026/1123               | 06/09/76         | 90                  | 7025            | 34.1         | 194.3        | GGGG                               |                     |                      | 245                   | 3                    |
| 00137E 2304N                            | 2396-09363        | 00000/0000                   | 2-20021/0442               | 02/22/76         | 0                   | 5517            | 40.2         | 128.2        | FGGG                               |                     |                      | 209                   | 44                   |
| 00137E 1129N                            | 2376-09290        | 00000/0000                   | 2-20020/0824               | 02/02/76         | 10                  | 5238            | 41.7         | 125.5        | GGGG                               |                     |                      | 207                   | 52                   |
| 00134E 7847N                            | 2469-12493        | 00000/0000                   | 2-20024/1434               | 05/05/76         | 10                  | 6537            | 27.2         | 196.3        | GGGF                               |                     |                      | 245                   | 3                    |
| 00131E 3304N                            | 2398-09451        | 00000/0000                   | 2-20021/0625               | 02/24/76         | 40                  | 5545            | 35.5         | 135.4        | GGGG                               |                     |                      | 211                   | 37                   |
| 00130E 5703N                            | 2369-10185        | 00000/0000                   | 2-20020/0323               | 01/26/76         | 90                  | 5141            | 10.8         | 154.2        | GGGG                               |                     |                      | 218                   | 20                   |
| 00129E 7751N                            | 2465-12271        | 00000/0000                   | 2-20024/1113               | 05/01/76         | 50                  | 6481            | 27.2         | 190.1        | GGGG                               |                     |                      | 241                   | 4                    |
| 00129E 7636N                            | 2551-12022        | 00000/0000                   | 2-20030/0180               | 07/26/76         | 90                  | 7680            | 32.8         | 180.9        | GGGG                               |                     |                      | 238                   | 5                    |
| 00128E 5702N                            | 2397-10183        | 00000/0000                   | 2-20020/1460               | 02/13/76         | 20                  | 5392            | 15.8         | 152.3        | GGGG                               |                     |                      | 218                   | 20                   |
| 00125E 1011N                            | 2448-09271        | 00000/0000                   | 2-20023/0176               | 04/14/76         | 30                  | 6242            | 53.8         | 87.8         | FGGG                               |                     |                      | 207                   | 53                   |
| 00124E 4842N                            | 2366-10041        | 00000/0000                   | 2-20019/0209               | 01/23/76         | 60                  | 5099            | 16.5         | 150.2        | GGGG                               |                     |                      | 215                   | 26                   |
| 00124E 1006N                            | 2484-09252        | 00000/0000                   | 2-20025/0954               | 05/20/76         | 30                  | 6744            | 53.9         | 69.7         | GGGG                               |                     |                      | 207                   | 53                   |
| 00123E 4841N                            | 2402-10032        | 00000/0000                   | 2-20021/0832               | 02/28/76         | 80                  | 5601            | 27.0         | 145.3        | FGGG                               |                     |                      | 215                   | 26                   |
| 00123E 1011N                            | 2430-09275        | 00000/0000                   | 2-20022/0689               | 03/27/76         | 0                   | 5991            | 51.6         | 98.6         | GGGG                               |                     |                      | 207                   | 53                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED; L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN. H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RLLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00122E 8039N                            | 2537-14065        | 00000/0000                   | 2-20028/1272                | 07/12/76         | 20                  | 7486            | 29.8         | 214.4        | GGGG                               |                     |                      | 242                   | 248                  |
| 00122E 1556N                            | 2449-09312        | 00000/0000                   | 2-20022/1796                | 04/15/76         | 10                  | 6256            | 54.7         | 95.4         | GGGG                               |                     |                      | 208                   | 49                   |
| 00121E 1554N                            | 2485-09302        | 00000/0000                   | 2-20025/1006                | 05/21/76         | 80                  | 6758            | 56.4         | 77.2         | FGGG                               |                     |                      | 208                   | 49                   |
| 00120E 0417N                            | 2375-09252        | 00000/0000                   | 2-20020/0746                | 02/01/76         | 40                  | 5224            | 44.5         | 119.4        | FGGG                               |                     |                      | 206                   | 57                   |
| 00118E 4828N                            | 2384-10035        | 00000/0000                   | 2-20020/1081                | 02/10/76         | 100                 | 5350            | 21.1         | 147.4        | GGGG                               |                     |                      | 215                   | 26                   |
| 00118E 1551N                            | 2503-09295        | 00000/0000                   | 2-20026/1011                | 06/08/76         | 10                  | 7009            | 55.5         | 72.5         | GGGG                               |                     |                      | 208                   | 49                   |
| 00117E 1006N                            | 2394-09285        | 00000/0000                   | 2-20021/0302                | 02/20/76         | 80                  | 5489            | 45.0         | 117.2        | GGGG                               |                     |                      | 207                   | 53                   |
| 00117E 1002N                            | 2376-09292        | 00000/0000                   | 2-20020/0825                | 02/02/76         | 10                  | 5238            | 42.3         | 124.2        | GGGG                               |                     |                      | 207                   | 53                   |
| 00116E 1552N                            | 2413-09323        | 00000/0000                   | 2-20021/1433                | 03/10/76         | 0                   | 5754            | 47.4         | 114.5        | GGGG                               |                     |                      | 208                   | 49                   |
| 00115E 5413N                            | 2386-10133        | 00000/0000                   | 2-20020/1297                | 02/12/76         | 90                  | 5378            | 17.6         | 150.6        | GGGG                               |                     |                      | 217                   | 22                   |
| 00115E 5131N                            | 2403-10081        | 00000/0000                   | 2-20021/0900                | 02/29/76         | 90                  | 5615            | 25.4         | 147.1        | GGGG                               |                     |                      | 216                   | 24                   |
| 00115E 2138N                            | 2396-09370        | 00000/0000                   | 2-20021/0443                | 02/22/76         | 0                   | 5517            | 40.9         | 127.0        | GGGG                               |                     |                      | 209                   | 45                   |
| 00114E 5126N                            | 2385-10084        | 00000/0000                   | 2-20020/1397                | 02/11/76         | 20                  | 5364            | 19.3         | 149.0        | GGGG                               |                     |                      | 216                   | 24                   |
| 00113E 8015N                            | 2461-13462        | 00000/0000                   | 2-20024/0676                | 04/27/76         | 10                  | 6426            | 22.5         | 210.2        | GGGG                               |                     |                      | 4                     | 1                    |
| 00113E 7929N                            | 2491-13113        | 00000/0000                   | 2-20026/0289                | 05/27/76         | 30                  | 6844            | 31.2         | 202.0        | GGGG                               |                     |                      | 250                   | 2                    |
| 00112E 1548N                            | 2377-09332        | 00000/0000                   | 2-20020/0834                | 02/03/76         | 0                   | 5252            | 39.8         | 128.6        | GGGG                               |                     |                      | 208                   | 49                   |
| 00106E 7648N                            | 2462-12103        | 00000/0000                   | 2-20024/0862                | 04/28/76         | 90                  | 6439            | 27.4         | 185.0        | GGGG                               |                     |                      | 238                   | 5                    |
| 00105E 3138N                            | 2398-09453        | 00000/0000                   | 2-20021/0626                | 02/24/76         | 20                  | 5545            | 34.9         | 134.3        | GGGG                               |                     |                      | 211                   | 38                   |
| 00105E 0844N                            | 2448-09274        | 00000/0000                   | 2-20023/0177                | 04/14/76         | 40                  | 6242            | 53.5         | 85.3         | FGGG                               |                     |                      | 207                   | 54                   |
| 00104E 8010N                            | 2496-13394        | 00000/0000                   | 2-20026/0535                | 06/01/76         | 10                  | 6914            | 30.9         | 209.0        | GGGG                               |                     |                      | 4                     | 1                    |
| 00101E 1430N                            | 2449-09314        | 00000/0000                   | 2-20022/1797                | 04/15/76         | 10                  | 6256            | 54.5         | 93.3         | FGGG                               |                     |                      | 208                   | 50                   |
| 00100E 1428N                            | 2485-09304        | 00000/0000                   | 2-20025/1007                | 05/21/76         | 40                  | 6758            | 55.8         | 75.2         | GGGG                               |                     |                      | 208                   | 50                   |
| 00100E 0251N                            | 2375-09254        | 00000/0000                   | 2-20020/0747                | 02/01/76         | 40                  | 5224            | 45.0         | 118.0        | FGGG                               |                     |                      | 206                   | 58                   |
| 00057E 1425N                            | 2503-09302        | 00000/0000                   | 2-20026/1012                | 06/08/76         | 10                  | 7009            | 54.8         | 70.6         | GGGG                               |                     |                      | 208                   | 50                   |
| 00057E 0837N                            | 2376-09295        | 00000/0000                   | 2-20020/0826                | 02/02/76         | 10                  | 5238            | 42.9         | 123.0        | GGGG                               |                     |                      | 207                   | 54                   |
| 00056E 7744N                            | 2483-12264        | 00000/0000                   | 2-20025/0834                | 05/19/76         | 90                  | 6732            | 32.0         | 189.8        | GGGG                               |                     |                      | 242                   | 4                    |
| 00056E 5823N                            | 2388-10234        | 00000/0000                   | 2-20020/1516                | 02/14/76         | 100                 | 5406            | 15.1         | 153.1        | FGGG                               |                     |                      | 219                   | 19                   |
| 00053E 2012N                            | 2396-09372        | 00000/0000                   | 2-20021/0444                | 02/22/76         | 10                  | 5517            | 41.6         | 125.8        | GGGG                               |                     |                      | 209                   | 46                   |
| 00052E 1424N                            | 2395-09332        | 00000/0000                   | 2-20021/0367                | 02/21/76         | 10                  | 5503            | 43.7         | 120.9        | FGGG                               |                     |                      | 208                   | 50                   |
| 00052E 1422N                            | 2377-09335        | 00000/0000                   | 2-20020/0835                | 02/03/76         | 0                   | 5252            | 40.5         | 127.5        | GGGG                               |                     |                      | 208                   | 50                   |
| 00049E 7934N                            | 2456-13181        | 00000/0000                   | 2-20024/0329                | 04/22/76         | 10                  | 6356            | 22.1         | 202.1        | GGGG                               |                     |                      | 250                   | 2                    |
| 00041E 7840N                            | 2487-12491        | 00000/0000                   | 2-20025/1120                | 05/23/76         | 80                  | 6788            | 31.6         | 195.5        | GGGG                               |                     |                      | 246                   | 3                    |
| 00041E 0124N                            | 2375-09261        | 00000/0000                   | 2-20020/0748                | 02/01/76         | 60                  | 5224            | 45.4         | 116.6        | FGGG                               |                     |                      | 206                   | 59                   |
| 00040E 5540N                            | 2369-10191        | 00000/0000                   | 2-20020/0324                | 01/26/76         | 100                 | 5141            | 11.9         | 153.4        | GGGG                               |                     |                      | 213                   | 21                   |
| 00040E 1303N                            | 2449-09321        | 00000/0000                   | 2-20022/1798                | 04/15/76         | 70                  | 6256            | 54.4         | 91.2         | FGGG                               |                     |                      | 208                   | 51                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR N84-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN RBL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL | MSS   | MSS  | ORBIT | FRAME |
|-----------------------------|-------|-------------------|----------------------------------------|--------------|------------------|---------------------|-----------------|--------------|--------------|------------|-------|------|-------|-------|
| LONG                        | LAT   |                   | RBV                                    | MSS          |                  |                     |                 |              |              | RBV        | MSS   | DATA | IMAGE | PATH  |
|                             |       |                   |                                        |              |                  |                     |                 |              |              | 123        | 45678 | MODE | NUM.  | NUM.  |
| 00039E                      | 1304N | 2467-09314        | 00000/0000                             | 2-20024/1291 | 05/03/76         | 10                  | 6507            | 55.5         | 81.1         | GGGF       |       |      | 208   | 51    |
| 00038E                      | 7742N | 2555-12245        | 00000/0000                             | 2-20030/0470 | 07/30/76         | 90                  | 7736            | 30.7         | 186.2        | GGGG       |       |      | 242   | 4     |
| 00038E                      | 5539N | 2387-10185        | 00000/0000                             | 2-20020/1344 | 02/13/76         | 80                  | 5392            | 16.8         | 151.4        | F          |       |      | 218   | 21    |
| 00037E                      | 1259N | 2503-09304        | 00000/0000                             | 2-20024/0971 | 06/08/76         | 40                  | 7009            | 54.1         | 68.8         | FGGG       |       |      | 208   | 51    |
| 00036E                      | 7926N | 2545-13101        | 00000/0000                             | 2-20029/0148 | 07/20/76         | 90                  | 7597            | 30.7         | 198.4        | GGGG       |       |      | 250   | 2     |
| 00036E                      | 5259N | 2422-10130        | 00000/0000                             | 2-20021/1743 | 03/19/76         | 40                  | 5880            | 31.7         | 146.5        | GGGG       |       |      | 217   | 23    |
| 00036E                      | 0711N | 2376-09301        | 00000/0000                             | 2-20020/0827 | 02/02/76         | 10                  | 5238            | 43.5         | 121.7        | GGGG       |       |      | 207   | 55    |
| 00035E                      | 5007N | 2403-10084        | 00000/0000                             | 2-20021/0901 | 02/29/76         | 60                  | 5615            | 26.3         | 146.1        | GGGG       |       |      | 216   | 25    |
| 00034E                      | 5002N | 2385-10091        | 00000/0000                             | 2-20020/1398 | 02/11/76         | 30                  | 5364            | 20.3         | 148.2        | GGGG       |       |      | 216   | 25    |
| 00031E                      | 5249N | 2386-10140        | 00000/0000                             | 2-20020/1298 | 02/12/76         | 100                 | 5378            | 18.6         | 149.7        | GGGG       |       |      | 217   | 23    |
| 00031E                      | 1846N | 2396-09375        | 00000/0000                             | 2-20021/0445 | 02/22/76         | 10                  | 5517            | 42.2         | 124.5        | GGGG       |       |      | 209   | 47    |
| 00031E                      | 1258N | 2395-09335        | 00000/0000                             | 2-20021/0368 | 02/21/76         | 40                  | 5503            | 44.3         | 119.5        | FGGG       |       |      | 208   | 51    |
| 00031E                      | 1255N | 2377-09341        | 00000/0000                             | 2-20020/0836 | 02/03/76         | 10                  | 5252            | 41.2         | 126.3        | GGGG       |       |      | 208   | 51    |
| 00027E                      | 5946N | 2389-10290        | 00000/0000                             | 2-20020/1634 | 02/15/76         | 30                  | 5420            | 14.4         | 154.0        | GGGG       |       |      | 220   | 18    |
| 00026E                      | 7934N | 2474-13174        | 00000/0000                             | 2-20025/0129 | 05/10/76         | 30                  | 6607            | 27.5         | 202.8        | GGGG       |       |      | 250   | 2     |
| 00019E                      | 1138N | 2467-09320        | 00000/0000                             | 2-20024/1292 | 05/03/76         | 20                  | 6507            | 55.0         | 79.1         | GGFG       |       |      | 208   | 52    |
| 00019E                      | 1136N | 2449-09323        | 00000/0000                             | 2-20022/1799 | 04/15/76         | 60                  | 6256            | 54.1         | 89.2         | GGGG       |       |      | 208   | 52    |
| 00018E                      | 7836N | 2505-12484        | 00000/0000                             | 2-20026/1664 | 06/10/76         | 100                 | 7039            | 34.2         | 194.1        | GGGG       |       |      | 246   | 3     |
| 00017E                      | 7638N | 2498-12093        | 00000/0000                             | 2-20026/1189 | 06/03/76         | 90                  | 6941            | 35.7         | 183.9        | GGGG       |       |      | 239   | 5     |
| 00016E                      | 1132N | 2503-09311        | 00000/0000                             | 2-20026/0972 | 06/08/76         | 90                  | 7009            | 53.4         | 67.0         | FGGG       |       |      | 208   | 52    |
| 00015E                      | 7736N | 2537-12250        | 00000/0000                             | 2-20028/1265 | 07/12/76         | 80                  | 7485            | 34.3         | 186.1        | GGGG       |       |      | 242   | 4     |
| 00012E                      | 7752N | 2466-12325        | 00000/0000                             | 2-20024/1188 | 05/02/76         | 80                  | 6495            | 27.5         | 190.3        | GGGG       |       |      | 242   | 4     |
| 00012E                      | 2838N | 2350-09465        | 00000/0000                             | 2-20020/1145 | 02/06/76         | 0                   | 5294            | 33.3         | 136.8        | GGFG       |       |      | 211   | 40    |
| 00011E                      | 1132N | 2395-09341        | 00000/0000                             | 2-20021/0369 | 02/21/76         | 40                  | 5503            | 44.7         | 118.1        | GGGG       |       |      | 208   | 52    |
| 00010E                      | 1720N | 2396-09381        | 00000/0000                             | 2-20021/0446 | 02/22/76         | 10                  | 5517            | 42.8         | 123.2        | GGGG       |       |      | 209   | 48    |
| 00010E                      | 1129N | 2377-09344        | 00000/0000                             | 2-20020/0837 | 02/03/76         | 0                   | 5252            | 41.8         | 125.1        | GGGG       |       |      | 208   | 52    |
| 00006E                      | 7834N | 2541-12474        | 00000/0000                             | 2-20028/1590 | 07/16/76         | 80                  | 7541            | 32.5         | 191.9        | FGGG       |       |      | 246   | 3     |
| 00003E                      | 5701N | 2388-10241        | 00000/0000                             | 2-20020/1517 | 02/14/76         | 80                  | 5406            | 16.1         | 152.2        | FGGG       |       |      | 219   | 20    |
| 00000E                      | 1009N | 2449-09330        | 00000/0000                             | 2-20022/1800 | 04/15/76         | 30                  | 6256            | 53.9         | 87.1         | GGGF       |       |      | 208   | 53    |
| 00001W                      | 1559N | 2450-09370        | 00000/0000                             | 2-20023/0287 | 04/16/76         | 0                   | 6270            | 54.8         | 94.9         | FGGG       |       |      | 209   | 49    |
| 00001W                      | 1011N | 2467-09323        | 00000/0000                             | 2-20024/1293 | 05/03/76         | 30                  | 6507            | 54.5         | 77.1         | GGGG       |       |      | 208   | 53    |
| 00002W                      | 4843N | 2403-10090        | 00000/0000                             | 2-20021/0902 | 02/29/76         | 30                  | 5615            | 27.3         | 145.2        | GGGG       |       |      | 216   | 26    |
| 00004W                      | 4838N | 2355-10093        | 00000/0000                             | 2-20020/1399 | 02/11/76         | 90                  | 5364            | 21.3         | 147.4        | GGGG       |       |      | 216   | 26    |
| 00004W                      | 1557N | 2432-09379        | 00000/0000                             | 2-20022/0791 | 03/29/76         | 0                   | 6019            | 51.7         | 105.0        | GGGG       |       |      | 209   | 49    |
| 00005W                      | 1553N | 2486-09360        | 00000/0000                             | 2-20025/1059 | 05/22/76         | 60                  | 6772            | 56.4         | 76.9         | GGGG       |       |      | 209   | 49    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FBR 48N-US  
FROM 01/22/76 TO 01/22/77

PAGE 1208

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 00006W                      | 7634N             | 2534-12083            | 00000/0000                  | 2-20028/1125     | 07/09/76            | 10              | 7443         | 35.8         | 181.3                 | GGGG                |                      | 239                   | 5                    |
| 00006W                      | 5416N             | 2369-10194            | 00000/0000                  | 2-20028/0325     | 01/26/76            | 100             | 5141         | 12.9         | 152.6                 | GGGG                |                      | 218                   | 22                   |
| 00006W                      | 5136N             | 2422-1013P            | 00000/0000                  | 2-20021/1744     | 03/19/76            | 50              | 5880         | 32.6         | 145.4                 | GGGG                |                      | 217                   | 24                   |
| 00007W                      | 8009N             | 2497-1345P            | 00000/0000                  | 2-20026/0150     | 06/02/76            | 50              | 6928         | 31.0         | 209.2                 | GGGG                |                      | 209                   | 5                    |
| 00007W                      | 1551N             | 2504-09354            | 00000/0000                  | 2-20026/1115     | 06/09/76            | 10              | 7023         | 55.4         | 72.4                  | GGGG                |                      | 209                   | 49                   |
| 00008W                      | 5415N             | 2387-1019P            | 00000/0000                  | 2-20020/1345     | 02/13/76            | 80              | 5392         | 17.9         | 150.5                 | FGGG                |                      | 218                   | 22                   |
| 00009W                      | 1003N             | 2377-09350            | 00000/0000                  | 2-20020/0838     | 02/03/76            | 0               | 5252         | 42.4         | 123.9                 | GGGG                |                      | 208                   | 53                   |
| 00010W                      | 1553N             | 2396-09384            | 00000/0000                  | 2-20021/0447     | 02/22/76            | 10              | 5517         | 43.4         | 121.9                 | GGGG                |                      | 209                   | 49                   |
| 00011W                      | 5125N             | 2386-1014P            | 00000/0000                  | 2-20020/1299     | 02/12/76            | 100             | 5378         | 19.6         | 148.9                 | GGGG                |                      | 217                   | 24                   |
| 00011W                      | 2712N             | 2380-09471            | 00000/0000                  | 2-20020/1100     | 02/06/76            | 0               | 5294         | 34.1         | 135.9                 | GGGG                |                      | 211                   | 41                   |
| 00012W                      | 1547N             | 2378-09391            | 00000/0000                  | 2-20020/0945     | 02/04/76            | 0               | 5266         | 39.9         | 128.3                 | GGGG                |                      | 209                   | 49                   |
| 00014W                      | 7844N             | 2470-12552            | 00000/0000                  | 2-20024/1639     | 05/06/76            | 10              | 6551         | 27.5         | 195.9                 | GGGG                |                      | 246                   | 3                    |
| 00017W                      | 7928N             | 2492-1317P            | 00000/0000                  | 2-20026/0384     | 05/28/76            | 90              | 6858         | 31.4         | 201.8                 | FGGG                |                      | 251                   | 2                    |
| 00018W                      | 7651N             | 2463-12161            | 00000/0000                  | 2-20024/0997     | 04/29/76            | 50              | 6453         | 27.7         | 185.1                 | GGGG                |                      | 239                   | 5                    |
| 00020W                      | 8014N             | 2462-13520            | 00000/0000                  | 2-20024/0863     | 04/28/76            | 10              | 6440         | 22.8         | 210.1                 | GGGG                |                      | 5                     | 1                    |
| 00021W                      | 0844N             | 2467-09325            | 00000/0000                  | 2-20024/1294     | 05/03/76            | 20              | 6507         | 53.9         | 75.2                  | GGGG                |                      | 208                   | 54                   |
| 00023W                      | 1433N             | 2450-0937P            | 00000/0000                  | 2-20023/0288     | 04/16/76            | 0               | 6270         | 54.7         | 92.8                  | GGGG                |                      | 209                   | 50                   |
| 00025W                      | 1430N             | 2432-09380            | 00000/0000                  | 2-20022/0792     | 03/29/76            | 0               | 6019         | 51.8         | 103.1                 | GGGG                |                      | 209                   | 50                   |
| 00026W                      | 1427N             | 2486-09363            | 00000/0000                  | 2-20025/1060     | 05/22/76            | 30              | 6772         | 55.8         | 74.8                  | GGGG                |                      | 209                   | 50                   |
| 00026W                      | 0839N             | 2413-09343            | 00000/0000                  | 2-20021/1434     | 03/10/76            | 40              | 5754         | 48.8         | 106.3                 | GGGG                |                      | 208                   | 54                   |
| 00028W                      | 7935N             | 2457-13235            | 00000/0000                  | 2-20023/0541     | 04/23/76            | 30              | 6370         | 22.4         | 202.3                 | FGGG                |                      | 251                   | 2                    |
| 00028W                      | 1424N             | 2522-09353            | 00000/0000                  | 2-20028/0168     | 06/27/76            | 100             | 7274         | 53.7         | 70.1                  | GGGG                |                      | 209                   | 50                   |
| 00029W                      | 0836N             | 2377-09353            | 00000/0000                  | 2-20020/0839     | 02/03/76            | 10              | 5252         | 43.0         | 122.6                 | FGGG                |                      | 208                   | 54                   |
| 00030W                      | 5824N             | 2329-10293            | 00000/0000                  | 2-20020/1635     | 02/15/76            | 30              | 5420         | 15.4         | 153.0                 | GGGG                |                      | 220                   | 19                   |
| 00031W                      | 1427N             | 2396-09390            | 00000/0000                  | 2-20021/0448     | 02/22/76            | 10              | 5517         | 43.9         | 120.5                 | GGGG                |                      | 209                   | 50                   |
| 00033W                      | 1421N             | 2378-09393            | 00000/0000                  | 2-20020/0945     | 02/04/76            | 0               | 5266         | 40.6         | 127.2                 | GGGG                |                      | 209                   | 50                   |
| 00034W                      | 2545N             | 2380-09474            | 00000/0000                  | 2-20020/1101     | 02/06/76            | 0               | 5294         | 35.0         | 134.9                 | FGGG                |                      | 211                   | 42                   |
| 00043W                      | 7644N             | 2481-12154            | 00000/0000                  | 2-20025/0729     | 05/17/76            | 90              | 6704         | 32.7         | 184.9                 | GGGG                |                      | 240                   | 5                    |
| 00044W                      | 7839N             | 2488-12545            | 00000/0000                  | 2-20025/0018     | 05/24/76            | 100             | 6802         | 31.8         | 195.4                 | GGGG                |                      | 247                   | 3                    |
| 00044W                      | 1306N             | 2450-09375            | 00000/0000                  | 2-20023/0289     | 04/16/76            | 20              | 6270         | 54.5         | 90.7                  | FGGG                |                      | 209                   | 51                   |
| 00046W                      | 5012N             | 2422-10135            | 00000/0000                  | 2-20021/1745     | 03/19/76            | 80              | 5880         | 33.6         | 144.2                 | GGGG                |                      | 217                   | 25                   |
| 00046W                      | 1303N             | 2432-09382            | 00000/0000                  | 2-20022/0793     | 03/29/76            | 0               | 6019         | 51.9         | 101.2                 | GGGG                |                      | 209                   | 51                   |
| 00046W                      | 1301N             | 2486-09365            | 00000/0000                  | 2-20025/1061     | 05/22/76            | 20              | 6772         | 55.1         | 72.8                  | GGGG                |                      | 209                   | 51                   |
| 00047W                      | 5538N             | 2388-10243            | 00000/0000                  | 2-20020/1518     | 02/14/76            | 50              | 5406         | 17.2         | 151.3                 | FGGG                |                      | 219                   | 21                   |
| 00049W                      | 1258N             | 2522-09360            | 00000/0000                  | 2-20028/1152     | 06/27/76            | 100             | 7274         | 53.0         | 68.3                  | GFF                 |                      | 209                   | 51                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US  
FROM 01/22/76 TO 01/22/77

PAGE 1209

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00050N                                  | 0710N             | 2377-09355                   | 00000/0000                  | 2-20020/0840     | 02/03/76            | 40              | 5252         | 43.6         | 121.3                              | GGGG                |                      | 208                   | 55                   |
| 00051W                                  | 5252N             | 2369-10200                   | 00000/0000                  | 2-20020/0326     | 01/26/76            | 100             | 5141         | 14.0         | 151.9                              | GGGG                |                      | 218                   | 23                   |
| 00051W                                  | 5000N             | 2386-10145                   | 00000/0000                  | 2-20020/1300     | 02/12/76            | 100             | 5378         | 20.6         | 148.1                              | FFGG                |                      | 217                   | 25                   |
| 00052W                                  | 1302N             | 2396-09393                   | 00000/0000                  | 2-20021/0449     | 02/22/76            | 10              | 5517         | 44.4         | 119.1                              | GGGG                |                      | 209                   | 51                   |
| 00053W                                  | 5251N             | 2387-10134                   | 00000/0000                  | 2-20020/1346     | 02/13/76            | 90              | 5392         | 18.9         | 149.6                              | FFGG                |                      | 218                   | 23                   |
| 00053W                                  | 3430N             | 2400-09561                   | 00000/0000                  | 2-20021/0736     | 02/26/76            | 50              | 5573         | 35.3         | 135.9                              | GGGG                |                      | 213                   | 36                   |
| 00054W                                  | 1255N             | 2378-09400                   | 00000/0000                  | 2-20020/0947     | 02/04/76            | 0               | 5266         | 41.3         | 126.0                              | GGGG                |                      | 209                   | 51                   |
| 00057W                                  | 2419N             | 2380-09480                   | 00000/0000                  | 2-20020/1102     | 02/06/76            | 60              | 5294         | 35.8         | 134.0                              | GGFG                |                      | 211                   | 43                   |
| 00105W                                  | 1138N             | 2450-09381                   | 00000/0000                  | 2-20020/0290     | 04/16/76            | 60              | 6270         | 54.2         | 88.6                               | FFFF                |                      | 209                   | 52                   |
| 00107W                                  | 1137N             | 2432-09385                   | 00000/0000                  | 2-20022/0950     | 03/29/76            | 0               | 6019         | 51.9         | 99.3                               | GGGG                |                      | 209                   | 52                   |
| 00111W                                  | 7638N             | 2499-12151                   | 00000/0000                  | 2-20026/0756     | 06/04/76            | 70              | 6955         | 35.9         | 183.7                              | GGGG                |                      | 240                   | 5                    |
| 00113W                                  | 7640N             | 2553-12135                   | 00000/0000                  | 2-20030/0311     | 07/28/76            | 90              | 7708         | 32.2         | 181.1                              | GGGG                |                      | 240                   | 5                    |
| 00113W                                  | 1135N             | 2396-09395                   | 00000/0000                  | 2-20021/0450     | 02/27/76            | 10              | 5517         | 44.9         | 117.7                              | GGGG                |                      | 209                   | 52                   |
| 00115W                                  | 1129N             | 2378-09402                   | 00000/0000                  | 2-20020/0948     | 02/04/76            | 0               | 5266         | 41.9         | 124.8                              | GGFF                |                      | 209                   | 52                   |
| 00120W                                  | 7836N             | 2506-12542                   | 00000/0000                  | 2-20026/1358     | 06/11/76            | 50              | 7053         | 34.3         | 194.0                              | GGGG                |                      | 247                   | 3                    |
| 00120W                                  | 3304N             | 2400-09563                   | 00000/0000                  | 2-20021/0737     | 02/26/76            | 70              | 5573         | 36.1         | 134.9                              | GGGG                |                      | 213                   | 37                   |
| 00120W                                  | 2253N             | 2380-09483                   | 00000/0000                  | 2-20020/1103     | 02/06/76            | 80              | 5294         | 36.6         | 133.0                              | FFGG                |                      | 211                   | 44                   |
| 00120W                                  | 1707N             | 2379-09443                   | 00000/0000                  | 2-20021/0064     | 02/05/76            | 40              | 5280         | 39.4         | 129.0                              | FFGG                |                      | 210                   | 48                   |
| 00124W                                  | 5700N             | 2389-10295                   | 00000/0000                  | 2-20020/1584     | 02/15/76            | 70              | 5420         | 16.5         | 152.1                              | GGGG                |                      | 220                   | 20                   |
| 00126W                                  | 1010N             | 2450-09384                   | 00000/0000                  | 2-20023/0291     | 04/16/76            | 70              | 6270         | 53.9         | 86.6                               | GGGG                |                      | 209                   | 53                   |
| 00127W                                  | 1010N             | 2432-09391                   | 00000/0000                  | 2-20027/0951     | 03/29/76            | 0               | 6019         | 51.9         | 97.4                               | GGGG                |                      | 209                   | 53                   |
| 00128W                                  | 7834N             | 2542-12533                   | 00000/0000                  | 2-20028/1748     | 07/17/76            | 100             | 7555         | 32.4         | 191.7                              | GGGG                |                      | 247                   | 3                    |
| 00129W                                  | 4836N             | 2386-10151                   | 00000/0000                  | 2-20020/1301     | 02/12/76            | 100             | 5378         | 21.6         | 147.3                              | GGGG                |                      | 217                   | 26                   |
| 00133W                                  | 7845N             | 2471-13010                   | 00000/0000                  | 2-20024/1770     | 05/07/76            | 20              | 6565         | 27.8         | 196.1                              | GGGG                |                      | 247                   | 3                    |
| 00133W                                  | 1008N             | 2396-09402                   | 00000/0000                  | 2-20021/0451     | 02/22/76            | 10              | 5517         | 45.4         | 116.3                              | GGGG                |                      | 209                   | 53                   |
| 00135W                                  | 5414N             | 2388-10250                   | 00000/0000                  | 2-20020/1519     | 02/14/76            | 50              | 5406         | 18.2         | 150.4                              | FFGG                |                      | 219                   | 22                   |
| 00135W                                  | 5127N             | 2387-10201                   | 00000/0000                  | 2-20020/1347     | 02/13/76            | 100             | 5392         | 19.9         | 148.8                              | FFGG                |                      | 218                   | 24                   |
| 00136W                                  | 1003N             | 2378-09425                   | 00000/0000                  | 2-20020/0949     | 02/04/76            | 0               | 5266         | 42.5         | 123.5                              | GGGG                |                      | 209                   | 53                   |
| 00137W                                  | 7633N             | 2535-12142                   | 00000/0000                  | 2-20029/0010     | 07/10/76            | 10              | 7457         | 35.6         | 181.1                              | GGGG                |                      | 240                   | 5                    |
| 00142W                                  | 2126N             | 2380-09485                   | 00000/0000                  | 2-20020/1104     | 02/06/76            | 40              | 5294         | 37.4         | 131.9                              | FFGG                |                      | 211                   | 46                   |
| 00142W                                  | 1542N             | 2379-09445                   | 00000/0000                  | 2-20021/0065     | 02/05/76            | 20              | 5280         | 40.1         | 127.9                              | GGGG                |                      | 210                   | 49                   |
| 00144W                                  | 5108N             | 2369-10203                   | 00000/0000                  | 2-20020/0183     | 01/26/76            | 90              | 5141         | 15.3         | 151.0                              | GGGG                |                      | 218                   | 24                   |
| 00145W                                  | 3138N             | 2400-09570                   | 00000/0000                  | 2-20021/0738     | 02/26/76            | 80              | 5573         | 36.9         | 133.8                              | GGGG                |                      | 213                   | 38                   |
| 00147W                                  | 8009N             | 2498-13511                   | 00000/0000                  | 2-20026/1190     | 06/03/76            | 90              | 6942         | 31.1         | 209.0                              | GGGG                |                      | 244                   | 4                    |
| 00148W                                  | 7745N             | 2485-12381                   | 00000/0000                  | 2-20025/1015     | 05/21/76            | 80              | 6760         | 32.4         | 189.9                              | FFGG                |                      |                       |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1210

| PRINCIPAL POINT<br>OF IMAGE | SBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 00148                       | 7650N             | 2464-12215                                         | 02000/0000       | 2-20024/0195        | 04/30/76        | 60           | 6467         | 28.0                  | 185.1               |                      |                       |                      |
| 00149                       | 7936N             | 2458-13294                                         | 02000/0000       | 2-20024/0482        | 04/24/76        | 10           | 6384         | 22.7                  | 202.5               | GGGG                 | 240                   | 5                    |
| 00150                       | 5828N             | 2372-10353                                         | 02000/0000       | 2-20020/0594        | 01/29/76        | 90           | 5183         | 10.4                  | 154.8               | GGGG                 | 1                     | 2                    |
| 00150                       | 1434N             | 2451-09431                                         | 02000/0000       | 2-20023/0488        | 04/17/76        | 70           | 6284         | 54.8                  | 92.2                | GGGG                 | 221                   | 19                   |
| 00151                       | 7929N             | 2433-13230                                         | 02000/0000       | 2-20026/0454        | 05/29/76        | 10           | 6872         | 31.6                  | 201.6               | GGGG                 | 210                   | 50                   |
| 00151                       | 1431N             | 2433-09434                                         | 02000/0000       | 2-20022/0999        | 03/30/76        | 0            | 6033         | 52.0                  | 102.6               | GGGG                 | 1                     | 2                    |
| 00203                       | 2001N             | 2380-09492                                         | 02000/0000       | 2-20020/1105        | 02/06/76        | 0            | 5294         | 38.1                  | 130.9               | FGGG                 | 210                   | 50                   |
| 00203                       | 1416N             | 2379-09452                                         | 02000/0000       | 2-20021/0066        | 02/05/76        | 0            | 5280         | 40.8                  | 126.7               | GGGG                 | 211                   | 46                   |
| 00205                       | 7841N             | 2489-13007                                         | 02000/0000       | 2-20026/0085        | 05/25/76        | 100          | 6816         | 32.0                  | 195.5               | GGGG                 | 210                   | 50                   |
| 00209                       | 5548N             | 2425-10291                                         | 02000/0000       | 2-20022/0204        | 03/22/76        | 80           | 5922         | 30.9                  | 148.7               | GGGG                 | 248                   | 3                    |
| 00210                       | 7643N             | 2482-12212                                         | 02000/0000       | 2-20025/0769        | 05/18/76        | 90           | 6718         | 32.9                  | 184.8               | GGGG                 | 220                   | 21                   |
| 00210                       | 3013N             | 2400-09572                                         | 02000/0000       | 2-20021/0739        | 02/26/76        | 20           | 5573         | 37.7                  | 132.7               | FFFF                 | 241                   | 5                    |
| 00210                       | 1307N             | 2451-09433                                         | 02000/0000       | 2-20023/0489        | 04/17/76        | 70           | 6284         | 54.6                  | 90.1                | FFFF                 | 213                   | 39                   |
| 00211                       | 5013N             | 2423-10193                                         | 02000/0000       | 2-20022/0336        | 03/20/76        | 50           | 5894         | 34.0                  | 144.1               | GGGG                 | 210                   | 51                   |
| 00212                       | 7925N             | 2547-13213                                         | 02000/0000       | 2-20030/0104        | 07/22/76        | 60           | 7625         | 30.3                  | 198.3               | GGGG                 | 218                   | 25                   |
| 00212                       | 1305N             | 2433-09441                                         | 02000/0000       | 2-20022/1000        | 03/30/76        | 0            | 6033         | 52.1                  | 100.7               | GGGG                 | 1                     | 2                    |
| 00214                       | 5537N             | 2389-10302                                         | 02000/0000       | 2-20024/1585        | 02/15/76        | 100          | 5420         | 17.5                  | 151.2               | FGGG                 | 210                   | 51                   |
| 00216                       | 5003N             | 2387-10203                                         | 02000/0000       | 2-20020/1348        | 02/13/76        | 90           | 5392         | 20.9                  | 148.0               | FGGG                 | 220                   | 21                   |
| 00217                       | 7933N             | 2476-13291                                         | 02000/0000       | 2-20025/0056        | 05/12/76        | 30           | 6635         | 28.0                  | 202.8               | GGGG                 | 218                   | 25                   |
| 00220                       | 7737N             | 2503-12374                                         | 02000/0000       | 2-20026/0980        | 06/08/76        | 90           | 7011         | 35.2                  | 188.3               | GGGG                 | 1                     | 2                    |
| 00220                       | 5250N             | 2388-10252                                         | 02000/0000       | 2-20020/1520        | 02/14/76        | 30           | 5406         | 19.2                  | 149.5               | GGGG                 | 244                   | 4                    |
| 00220                       | 3430N             | 2355-10024                                         | 02000/0000       | 2-20020/0171        | 01/22/76        | 0            | 5085         | 26.6                  | 143.5               | GGGG                 | 219                   | 23                   |
| 00222                       | 5945N             | 2391-10403                                         | 02000/0000       | 2-20021/0112        | 02/17/76        | 90           | 5448         | 15.1                  | 153.9               | GGGG                 | 214                   | 36                   |
| 00224                       | 1835N             | 2380-09494                                         | 02000/0000       | 2-20023/1106        | 02/06/76        | 10           | 5294         | 38.9                  | 129.8               | GGGG                 | 222                   | 18                   |
| 00224                       | 1249N             | 2379-09454                                         | 02000/0000       | 2-20021/0067        | 02/05/76        | 0            | 5280         | 41.5                  | 125.5               | GGGG                 | 211                   | 47                   |
| 00225                       | 4945N             | 2369-10210                                         | 02000/0000       | 2-20020/0184        | 01/26/76        | 90           | 5141         | 16.3                  | 150.3               | GGGG                 | 210                   | 51                   |
| 00230                       | 3546N             | 2522-09320                                         | 02000/0000       | 2-20024/1153        | 06/27/76        | 90           | 7274         | 48.9                  | 60.7                | GGGG                 | 218                   | 25                   |
| 00232                       | 4013N             | 2441-13572                                         | 02000/0000       | 2-20025/0730        | 05/17/76        | 90           | 6705         | 28.0                  | 210.1               | GGGG                 | 209                   | 56                   |
| 00233                       | 1138N             | 2433-09443                                         | 02000/0000       | 2-20022/1001        | 03/30/76        | 0            | 6033         | 52.1                  | 98.7                | GGGG                 | 6                     | 1                    |
| 00234                       | 2847N             | 2400-09575                                         | 02000/0000       | 2-20021/0768        | 02/26/76        | 10           | 5573         | 38.5                  | 131.6               | GGGG                 | 210                   | 52                   |
| 00235                       | 7923N             | 2523-13220                                         | 02000/0000       | 2-20028/0622        | 07/04/76        | 60           | 7374         | 33.0                  | 198.8               | GGGG                 | 213                   | 40                   |
| 00236                       | 7637N             | 2500-12210                                         | 02000/0000       | 2-20026/0857        | 06/05/76        | 90           | 6969         | 36.0                  | 183.6               | GGGG                 | 1                     | 2                    |
| 00242                       | 5713N             | 2426-10347                                         | 02000/0000       | 2-20022/0325        | 03/23/76        | 30           | 5936         | 30.3                  | 150.0               | GGGG                 | 241                   | 5                    |
| 00242                       | 1718N             | 2398-09494                                         | 02000/0000       | 2-20021/0627        | 02/24/76        | 30           | 5545         | 43.3                  | 122.4               | FFFF                 | 221                   | 20                   |
| 00243                       | 5705N             | 2372-10360                                         | 02000/0000       | 2-20020/0595        | 01/29/76        | 90           | 5183         | 11.5                  | 153.9               | GGGG                 | 211                   | 48                   |
|                             |                   |                                                    |                  |                     |                 |              |              |                       |                     |                      | 221                   | 20                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NBN=US  
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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH-<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|------------------------|----------------------|
| 00245N 3304N                            | 2365-10030        | 00000/0000 2-20020/0102                            | 01/22/76         | 0                   | 5085            | 27.5         | 142.7        |                                    |                     |                      |                        |                      |
| 00245N 1709N                            | 2350-09501        | 00000/0000 2-20020/1107                            | 02/06/76         | 0                   | 5294            | 39.6         | 128.7        | GGGG                               |                     |                      | 214                    | 37                   |
| 00245N 1122N                            | 2379-09461        | 00000/0000 2-20021/0068                            | 02/05/76         | 0                   | 5280            | 42.1         | 124.3        | FGGG                               |                     |                      | 211                    | 48                   |
| 00247N 7635N                            | 2536-12220        | 00000/0000 2-20024/1317                            | 07/11/76         | 90                  | 7471            | 35.5         | 181.2        | FGGG                               |                     |                      | 210                    | 52                   |
| 00250W 7835N                            | 2507-13001        | 00000/0000 2-20026/1137                            | 06/12/76         | 80                  | 7067            | 34.4         | 193.8        | GGGG                               |                     |                      | 241                    | 5                    |
| 00250N 4135N                            | 2367-10120        | 00000/0000 2-20020/0019                            | 01/24/76         | 40                  | 5113            | 21.9         | 146.6        | GGGG                               |                     |                      | 248                    | 3                    |
| 00253N 1011N                            | 2433-09450        | 00000/0000 2-20022/1002                            | 03/30/76         | 10                  | 6033            | 52.1         | 96.8         | GGGG                               |                     |                      | 216                    | 31                   |
| 00257N 5424N                            | 2425-10294        | 00000/0000 2-20022/0205                            | 03/22/76         | 70                  | 5922            | 31.9         | 147.5        | GGGG                               |                     |                      | 210                    | 53                   |
| 00257N 5135N                            | 2424-10245        | 00000/0000 2-20021/1782                            | 03/21/76         | 100                 | 5908            | 33.4         | 145.2        | GGGG                               |                     |                      | 220                    | 22                   |
| 00258N 2721N                            | 2400-09581        | 00000/0000 2-20021/0769                            | 02/26/76         | 20                  | 5573            | 39.2         | 130.5        | GGGG                               |                     |                      | 219                    | 24                   |
| 00259N 5414N                            | 2371-10311        | 00000/0000 2-20020/0435                            | 01/28/76         | 100                 | 5169            | 13.4         | 152.4        | FGGG                               |                     |                      | 213                    | 41                   |
| 00300N 8038N                            | 2540-14240        | 00000/0000 2-20028/1401                            | 07/15/76         | 70                  | 7528            | 29.3         | 214.3        | GGFG                               |                     |                      | 220                    | 22                   |
| 00301N 5413N                            | 2389-10304        | 00000/0000 2-20020/1586                            | 02/15/76         | 90                  | 5420            | 18.5         | 150.3        | GGG                                |                     |                      | 245                    | 248                  |
| 00302N 5126N                            | 2388-10255        | 00000/0000 2-20020/1521                            | 02/14/76         | 20                  | 5406            | 20.2         | 148.7        | GGGG                               |                     |                      | 220                    | 22                   |
| 00303N 1552N                            | 2398-09501        | 00000/0000 2-20021/0628                            | 02/24/76         | 20                  | 5545            | 43.9         | 121.0        | GGFG                               |                     |                      | 219                    | 24                   |
| 00304N 0956N                            | 2379-09463        | 00000/0000 2-20021/0069                            | 02/05/76         | 10                  | 5280            | 42.7         | 123.1        | GGGG                               |                     |                      | 211                    | 49                   |
| 00306N 1543N                            | 2380-09503        | 00000/0000 2-20020/1108                            | 02/06/76         | 0                   | 5294            | 40.3         | 127.6        | GGGG                               |                     |                      | 210                    | 53                   |
| 00307N 7844N                            | 2472-13064        | 00000/0000 2-20025/0052                            | 05/08/76         | 70                  | 6579            | 28.1         | 196.0        | GGGG                               |                     |                      | 211                    | 49                   |
| 00309N 8015N                            | 2464-14033        | 00000/0000 2-20024/0196                            | 04/30/76         | 20                  | 6468            | 23.4         | 210.3        | FFFF                               |                     |                      | 248                    | 3                    |
| 00311N 3138N                            | 2365-10033        | 00000/0000 2-20020/0161                            | 01/22/76         | 0                   | 5085            | 28.5         | 142.0        | GGGG                               |                     |                      | 7                      | 1                    |
| 00313N 8009N                            | 2499-13565        | 00000/0000 2-20026/0757                            | 06/04/76         | 30                  | 6956            | 31.3         | 208.9        | GF G                               |                     |                      | 214                    | 38                   |
| 00313N 0844N                            | 2433-09432        | 00000/0000 2-20022/1003                            | 03/30/76         | 10                  | 6033            | 52.0         | 94.9         | FGGG                               |                     |                      | 7                      | 1                    |
| 00314N 5838N                            | 2427-10395        | 00000/0000 2-20022/0555                            | 03/24/76         | 100                 | 5950            | 29.7         | 151.2        | GGGG                               |                     |                      | 210                    | 54                   |
| 00316N 1432N                            | 2452-09485        | 00000/0000 2-20024/0067                            | 04/18/76         | 40                  | 6298            | 54.9         | 91.6         | GG G                               |                     |                      | 222                    | 19                   |
| 00318N 7649N                            | 2465-12273        | 00000/0000 2-20024/1114                            | 05/01/76         | 50                  | 6481            | 28.4         | 185.1        | GGGG                               |                     |                      | 211                    | 50                   |
| 00319N 7745N                            | 2445-12435        | 00000/0000 2-20025/1070                            | 05/22/76         | 10                  | 6774            | 32.6         | 189.8        | GGGG                               |                     |                      | 242                    | 5                    |
| 00319N 5826N                            | 2373-10412        | 00000/0000 2-20020/0649                            | 01/30/76         | 20                  | 5197            | 10.7         | 154.6        | FGGG                               |                     |                      | 245                    | 4                    |
| 00319N 1429N                            | 2434-09492        | 00000/0000 2-20022/1063                            | 03/31/76         | 0                   | 6047            | 52.2         | 102.0        | GGFG                               |                     |                      | 222                    | 19                   |
| 00320N 5822N                            | 2391-10405        | 00000/0000 2-20021/0113                            | 02/17/76         | 90                  | 5448            | 16.1         | 152.9        | GGGG                               |                     |                      | 211                    | 50                   |
| 00320N 1429N                            | 2416-09500        | 00000/0000 2-20021/1534                            | 03/13/76         | 30                  | 5796            | 48.4         | 111.5        | GGGG                               |                     |                      | 222                    | 19                   |
| 00321W 4010N                            | 2367-10122        | 00000/0000 2-20020/0020                            | 01/24/76         | 10                  | 5113            | 22.9         | 145.9        | GGFF                               |                     |                      | 211                    | 50                   |
| 00322N 4013N                            | 2403-10113        | 00000/0000 2-20021/0907                            | 02/29/76         | 10                  | 5615            | 32.9         | 139.4        | GGGG                               |                     |                      | 216                    | 32                   |
| 00322N 2555N                            | 2400-09584        | 00000/0000 2-20021/0770                            | 02/26/76         | 10                  | 5573            | 40.0         | 129.3        | GGG                                |                     |                      | 216                    | 32                   |
| 00324N 1425N                            | 2398-09503        | 00000/0000 2-20021/0629                            | 02/24/76         | 20                  | 5545            | 44.4         | 119.7        | FGGG                               |                     |                      | 213                    | 42                   |
| 00324N 0830N                            | 2379-09470        | 00000/0000 2-20021/0070                            | 02/05/76         | 30                  | 5280            | 43.3         | 121.8        | GGGG                               |                     |                      | 211                    | 50                   |
|                                         |                   |                                                    |                  |                     |                 |              |              |                                    |                     |                      | 210                    | 54                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NBN-US  
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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00325N 7936N                            | 2459-13352        | 00000/0000 2-20024/0281                            | 04/25/76         | 0                   | 6398            | 23.0         | 202.4        |                                    |                     |                      |                       |                      |
| 00327N 1417N                            | 2380-09510        | 00000/0000 2-20020/1109                            | 02/06/76         | 0                   | 5294            | 41.0         | 126.4        | GGGG                               |                     |                      | 2                     | 2                    |
| 00332N 7840N                            | 2490-13062        | 00000/0000 2-20028/0004                            | 05/26/76         | 40                  | 6830            | 32.2         | 195.4        | GGGG                               |                     |                      | 211                   | 50                   |
| 00333N 5550N                            | 2426-10350        | 00000/0000 2-20022/0424                            | 03/23/76         | 30                  | 5936            | 31.3         | 148.7        | GGGG                               |                     |                      | 249                   | 3                    |
| 00334N 5542N                            | 2372-10362        | 00000/0000 2-20020/0574                            | 01/29/76         | 80                  | 5183            | 12.5         | 153.1        | GGGG                               |                     |                      | 221                   | 21                   |
| 00336N 3012N                            | 2365-10035        | 00000/0000 2-20020/0162                            | 01/22/76         | 0                   | 5085            | 29.5         | 141.2        | GGGG                               |                     |                      | 221                   | 21                   |
| 00337N 1305N                            | 2452-09491        | 00000/0000 2-20024/0068                            | 04/18/76         | 10                  | 6298            | 54.7         | 89.5         | GF F                               |                     |                      | 214                   | 39                   |
| 00338N 5011N                            | 2424-10251        | 00000/0000 2-20021/1783                            | 03/21/76         | 100                 | 5908            | 34.4         | 144.0        | GGGG                               |                     |                      | 211                   | 51                   |
| 00339N 1302N                            | 2434-09495        | 00000/0000 2-20022/1064                            | 03/31/76         | 0                   | 6047            | 52.3         | 100.0        | GGGG                               |                     |                      | 219                   | 25                   |
| 00341N 1303N                            | 2416-09502        | 00000/0000 2-20021/1535                            | 03/13/76         | 10                  | 5796            | 48.7         | 109.9        | GGGG                               |                     |                      | 211                   | 51                   |
| 00342N 5301N                            | 2425-10300        | 00000/0000 2-20022/0206                            | 03/22/76         | 80                  | 5922            | 32.9         | 146.3        | GGGG                               |                     |                      | 211                   | 51                   |
| 00343N 5250N                            | 2371-10313        | 00000/0000 2-20020/0436                            | 01/28/76         | 100                 | 5169            | 14.5         | 151.6        | GGGG                               |                     |                      | 220                   | 23                   |
| 00343N 5003N                            | 2388-10261        | 00000/0000 2-20020/1522                            | 02/14/76         | 50                  | 5406            | 21.2         | 147.8        | GGGG                               |                     |                      | 220                   | 23                   |
| 00345N 2429N                            | 2400-09590        | 00000/0000 2-20021/0771                            | 02/26/76         | 0                   | 5573            | 40.7         | 128.1        | GGGG                               |                     |                      | 219                   | 25                   |
| 00345N 1258N                            | 2398-09510        | 00000/0000 2-20021/0630                            | 02/24/76         | 10                  | 5545            | 44.9         | 118.3        | GGGG                               |                     |                      | 213                   | 43                   |
| 00346N 7842N                            | 2483-12271        | 00000/0000 2-20025/0835                            | 05/19/76         | 90                  | 6732            | 33.1         | 184.7        | GGGG                               |                     |                      | 211                   | 51                   |
| 00346N 5250N                            | 2389-10311        | 00000/0000 2-20020/1587                            | 02/15/76         | 100                 | 5420            | 19.5         | 149.4        | GGGG                               |                     |                      | 242                   | 5                    |
| 00346N 3430N                            | 2402-10073        | 00000/0000 2-20021/0833                            | 02/28/76         | 30                  | 5601            | 36.0         | 135.5        | GGGG                               |                     |                      | 220                   | 23                   |
| 00348N 1250N                            | 2380-09512        | 00000/0000 2-20020/1110                            | 02/06/76         | 0                   | 5294            | 41.6         | 125.2        | GGGG                               |                     |                      | 215                   | 36                   |
| 00349N 5950N                            | 2392-10461        | 00000/0000 2-20021/0125                            | 02/18/76         | 90                  | 5462            | 15.4         | 153.9        | GGGG                               |                     |                      | 211                   | 51                   |
| 00350N 3848N                            | 2403-10120        | 00000/0000 2-20021/0908                            | 02/29/76         | 10                  | 5615            | 33.7         | 138.4        | GGGG                               |                     |                      | 223                   | 18                   |
| 00350N 3844N                            | 2367-10125        | 00000/0000 2-20020/0021                            | 01/24/76         | 10                  | 5113            | 23.9         | 145.2        | GGGG                               |                     |                      | 216                   | 33                   |
| 00353N 3012N                            | 2452-14030        | 00000/0000 2-20025/0770                            | 05/18/76         | 100                 | 6719            | 28.3         | 210.0        | GGGG                               |                     |                      | 216                   | 33                   |
| 00358N 7923N                            | 2530-13275        | 00000/0000 2-20028/0779                            | 07/05/76         | 20                  | 7388            | 32.9         | 198.9        | PFFF                               |                     |                      | 7                     | 1                    |
| 00359N 8006N                            | 2535-13555        | 00000/0000 2-20028/1140                            | 07/10/76         | 70                  | 7458            | 31.2         | 206.0        | GGGG                               |                     |                      | 2                     | 2                    |
| 00400N 7932N                            | 2477-13345        | 2-20025/1260 2-20025/0587                          | 05/13/76         | 20                  | 6649            | 28.2         | 202.6        | GGGG                               |                     |                      | 7                     | 1                    |
| 00400N 2846N                            | 2365-10042        | 00000/0000 2-20020/0163                            | 01/22/76         | 0                   | 5085            | 30.4         | 140.4        | GGG GGGG                           |                     |                      | 2                     | 2                    |
| 00400N 1136N                            | 2434-09501        | 00000/0000 2-20022/1065                            | 03/31/76         | 0                   | 6047            | 52.2         | 98.1         | GGGG                               |                     |                      | 214                   | 40                   |
| 00402N 7640N                            | 2555-12251        | 00000/0000 2-20030/0471                            | 07/30/76         | 70                  | 7736            | 31.8         | 181.1        | GGGG                               |                     |                      | 211                   | 52                   |
| 00402N 1136N                            | 2416-09505        | 00000/0000 2-20021/1567                            | 03/13/76         | 10                  | 5796            | 49.0         | 108.2        | GGGG                               |                     |                      | 242                   | 5                    |
| 00406N 1131N                            | 2398-09512        | 00000/0000 2-20021/0631                            | 02/24/76         | 10                  | 5545            | 45.3         | 116.8        | GGGG                               |                     |                      | 211                   | 52                   |
| 00407N 7751N                            | 2469-12500        | 00000/0000 2-20024/1435                            | 05/05/76         | 10                  | 6537            | 28.4         | 190.4        | GGGG                               |                     |                      | 211                   | 52                   |
| 00407N 2303N                            | 2400-09593        | 00000/0000 2-20021/0772                            | 02/26/76         | 0                   | 5573            | 41.3         | 126.8        | GGGG                               |                     |                      | 245                   | 4                    |
| 00409N 5715N                            | 2427-10401        | 00000/0000 2-20022/0572                            | 03/24/76         | 100                 | 5950            | 30.7         | 149.9        | GGGG                               |                     |                      | 213                   | 44                   |
| 00409N 1123N                            | 2380-09515        | 00000/0000 2-20020/1059                            | 02/06/76         | 10                  | 5294            | 42.3         | 124.0        | GGGG                               |                     |                      | 222                   | 20                   |
|                                         |                   |                                                    |                  |                     |                 |              |              | F GG                               |                     |                      | 211                   | 52                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NBN-US  
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| PRINCIPAL PRINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN RLI<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|---------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00412N                                  | 3304N             | 2402-10080                                        | 00000/0000       | 2-20021/0834        | 02/28/76        | 0            | 5601         | 36.8                               | 134.4               | GFGG                 |                       |                      |
| 00413N                                  | 5703N             | 2373-10414                                        | 00000/0000       | 2-20020/0624        | 01/30/76        | 10           | 5197         | 11.8                               | 153.7               | GGGG                 | 215                   | 37                   |
| 00414N                                  | 5659N             | 2391-10412                                        | 00000/0000       | 2-20021/0220        | 02/17/76        | 100          | 5448         | 17.2                               | 151.9               | GGGG                 | 222                   | 20                   |
| 00415N                                  | 7847N             | 2455-13125                                        | 00000/0000       | 2-20024/0314        | 04/21/76        | 60           | 6342         | 22.9                               | 195.6               | G                    | 222                   | 20                   |
| 00416N                                  | 4846N             | 2424-10254                                        | 00000/0000       | 2-20021/1784        | 03/21/76        | 100          | 5908         | 35.3                               | 142.8               | GGGG                 | 249                   | 3                    |
| 00416N                                  | 4136N             | 2404-10165                                        | 00000/0000       | 2-20021/0951        | 03/01/76        | 20           | 5629         | 32.3                               | 140.2               | GGGG                 | 219                   | 24                   |
| 00416N                                  | 4135N             | 2368-10174                                        | 00000/0000       | 2-20020/0289        | 01/25/76        | 50           | 5127         | 22.1                               | 146.4               | GGGG                 | 217                   | 31                   |
| 00418N                                  | 3723N             | 2403-10122                                        | 00000/0000       | 2-20021/0909        | 02/29/76        | 10           | 5615         | 34.6                               | 137.3               | GGGG                 | 217                   | 31                   |
| 00418N                                  | 1011N             | 2452-09500                                        | 00000/0000       | 2-20024/0069        | 04/18/76        | 70           | 6298         | 54.1                               | 85.4                | GGGG                 | 216                   | 34                   |
| 00420N                                  | 7634N             | 2537-12254                                        | 00000/0000       | 2-20028/1266        | 07/12/76        | 80           | 7485         | 35.4                               | 181.1               | FGGF                 | 211                   | 53                   |
| 00420N                                  | 5426N             | 2426-10392                                        | 00000/0000       | 2-20022/0425        | 03/23/76        | 20           | 5936         | 32.3                               | 147.5               | GGGG                 | 242                   | 5                    |
| 00420N                                  | 1009N             | 2434-09504                                        | 00000/0000       | 2-20027/1066        | 03/31/76        | 0            | 6047         | 52.2                               | 94.1                | GGGG                 | 221                   | 22                   |
| 00421N                                  | 5418N             | 2372-10365                                        | 00000/0000       | 2-20020/0575        | 01/29/76        | 90           | 5183         | 13.6                               | 152.3               | GGGG                 | 211                   | 53                   |
| 00422N                                  | 7833N             | 2508-13055                                        | 00000/0000       | 2-20026/1587        | 06/13/76        | 100          | 7081         | 34.4                               | 193.6               | GGGG                 | 221                   | 22                   |
| 00422N                                  | 4838N             | 2388-10264                                        | 00000/0000       | 2-20020/1523        | 02/14/76        | 90           | 5406         | 22.2                               | 147.0               | GGGG                 | 249                   | 3                    |
| 00422N                                  | 1010N             | 2416-09511                                        | 00000/0000       | 2-20021/1568        | 03/13/76        | 20           | 5796         | 49.2                               | 106.5               | GGGG                 | 219                   | 26                   |
| 00423N                                  | 8016N             | 2465-14091                                        | 00000/0000       | 2-20024/1115        | 05/01/76        | 20           | 6482         | 23.7                               | 210.6               | GGGG                 | 211                   | 53                   |
| 00424N                                  | 5137N             | 2425-10303                                        | 00000/0000       | 2-20022/0207        | 03/22/76        | 100          | 5922         | 33.8                               | 145.1               | GGGG                 | 246                   | 248                  |
| 00424N                                  | 2721N             | 2365-10044                                        | 00000/0000       | 2-20020/0164        | 01/22/76        | 0            | 5085         | 31.3                               | 139.6               | GGGG                 | 220                   | 24                   |
| 00426N                                  | 7845N             | 2473-13122                                        | 00000/0000       | 2-20025/0070        | 05/09/76        | 10           | 6593         | 28.3                               | 196.1               | FGFG                 | 214                   | 41                   |
| 00426N                                  | 7835N             | 2544-13045                                        | 00000/0000       | 2-20029/0027        | 07/19/76        | 90           | 7583         | 32.0                               | 191.7               | GGGG                 | 249                   | 3                    |
| 00426N                                  | 5127N             | 2371-10320                                        | 00000/0000       | 2-20020/0437        | 01/28/76        | 100          | 5169         | 15.5                               | 150.8               | GGGG                 | 249                   | 3                    |
| 00426N                                  | 1005N             | 2398-09515                                        | 00000/0000       | 2-20021/0632        | 02/24/76        | 10           | 5545         | 45.7                               | 115.3               | GGGG                 | 220                   | 24                   |
| 00429N                                  | 5126N             | 2359-10313                                        | 00000/0000       | 2-20020/1588        | 02/15/76        | 100          | 5420         | 20.6                               | 148.5               | GGGG                 | 211                   | 53                   |
| 00429N                                  | 2137N             | 2400-09595                                        | 00000/0000       | 2-20021/0773        | 02/26/76        | 10           | 5573         | 42.0                               | 125.6               | GGGG                 | 220                   | 24                   |
| 00431N                                  | 1542N             | 2381-09542                                        | 00000/0000       | 2-20020/1174        | 02/07/76        | 0            | 5308         | 40.5                               | 127.2               | GGGG                 | 213                   | 45                   |
| 00434N                                  | 7928N             | 2495-13342                                        | 00000/0000       | 2-20026/0561        | 05/31/76        | 40           | 6900         | 31.9                               | 201.6               | FGFG                 | 212                   | 49                   |
| 00436N                                  | 7650N             | 2466-12332                                        | 00000/0000       | 2-20024/1189        | 05/02/76        | 20           | 6495         | 28.6                               | 185.2               | GGGG                 | 3                     | 2                    |
| 00438N                                  | 3139N             | 2402-10082                                        | 00000/0000       | 2-20021/0835        | 02/28/76        | 0            | 5601         | 37.6                               | 133.3               | GG G                 | 242                   | 5                    |
| 00439N                                  | 5840N             | 2428-10453                                        | 00000/0000       | 2-20022/0602        | 03/25/76        | 80           | 5964         | 30.1                               | 151.2               | GGGG                 | 215                   | 38                   |
| 00443N                                  | 8008N             | 2500-14023                                        | 00000/0000       | 2-20026/0858        | 06/05/76        | 10           | 6970         | 31.4                               | 208.7               | GGGG                 | 223                   | 19                   |
| 00445N                                  | 3558N             | 2403-10125                                        | 00000/0000       | 2-20021/0910        | 02/29/76        | 20           | 5615         | 35.4                               | 136.3               | GGGG                 | 8                     | 1                    |
| 00446N                                  | 5827N             | 2392-10463                                        | 00000/0000       | 2-20021/0126        | 02/18/76        | 90           | 5462         | 16.4                               | 152.9               | GGGG                 | 216                   | 35                   |
| 00446N                                  | 4011N             | 2404-10172                                        | 00000/0000       | 2-20021/0932        | 03/01/76        | 50           | 5629         | 33.2                               | 139.2               | GGGG                 | 223                   | 19                   |
| 00447N                                  | 4010N             | 2368-10151                                        | 00000/0000       | 2-20020/0290        | 01/25/76        | 40           | 5127         | 23.1                               | 145.7               | GGGG                 | 217                   | 32                   |

KEYS: CLOUD COVER 1 ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00448N                                  | 2555N             | 2365-10051                   | 00000/0000                  | 2-20020/0165     | 01/22/76            | 10              | 5085         | 32.3         | 138.8                              | FFFG                |                      | 214                   | 42                   |
| 00449N                                  | 7744N             | 2487-12493                   | 00000/0000                  | 2-20025/1121     | 05/23/76            | 90              | 6738         | 32.8         | 189.7                              | GGGG                |                      | 246                   | 4                    |
| 00449N                                  | 7743N             | 2559-12474                   | 00000/0000                  | 2-20030/0745     | 08/03/76            | 90              | 7792         | 29.6         | 186.3                              | GGGG                |                      | 246                   | 4                    |
| 00452N                                  | 2011N             | 2430-10002                   | 00000/0000                  | 2-20021/0774     | 02/26/76            | 60              | 5573         | 42.6         | 124.3                              | GGGG                |                      | 213                   | 46                   |
| 00452N                                  | 1416N             | 2381-09564                   | 00000/0000                  | 2-20020/1175     | 02/07/76            | 0               | 5308         | 41.2         | 126.0                              | GGGG                |                      | 212                   | 50                   |
| 00500N                                  | 5551N             | 2427-10404                   | 00000/0000                  | 2-20022/0573     | 03/24/76            | 100             | 5950         | 31.7         | 148.7                              | GGGG                |                      | 222                   | 21                   |
| 00502N                                  | 3013N             | 2432-10045                   | 00000/0000                  | 2-20021/0836     | 02/28/76            | 10              | 5601         | 38.3         | 132.2                              | G                   |                      | 215                   | 39                   |
| 00503N                                  | 1306N             | 2453-09550                   | 00000/0000                  | 2-20023/0502     | 04/19/76            | 30              | 6312         | 54.8         | 88.9                               | GGGG                |                      | 212                   | 51                   |
| 00504N                                  | 5539N             | 2373-10421                   | 00000/0000                  | 2-20020/0625     | 01/30/76            | 20              | 5197         | 12.8         | 152.9                              | GGGG                |                      | 222                   | 21                   |
| 00504N                                  | 5536N             | 2391-10414                   | 00000/0000                  | 2-20021/0221     | 02/17/76            | 100             | 5448         | 18.2         | 150.9                              | GGGG                |                      | 222                   | 21                   |
| 00504N                                  | 5012N             | 2425-10305                   | 00000/0000                  | 2-20022/0205     | 03/22/76            | 100             | 5922         | 34.7         | 143.9                              | GGGG                |                      | 220                   | 25                   |
| 00505N                                  | 8010N             | 2536-14014                   | 00000/0000                  | 2-20024/1326     | 07/11/76            | 70              | 7472         | 31.0         | 206.2                              | GGGG                |                      | 8                     | 1                    |
| 00505N                                  | 1302N             | 2435-09552                   | 00000/0000                  | 2-20022/1724     | 04/01/76            | 0               | 6061         | 52.4         | 99.5                               | GGGG                |                      | 212                   | 51                   |
| 00506N                                  | 5302N             | 2428-10355                   | 00000/0000                  | 2-20022/0421     | 03/23/76            | 10              | 5936         | 33.2         | 146.2                              | G GG                |                      | 221                   | 23                   |
| 00507N                                  | 5254N             | 2372-10371                   | 00000/0000                  | 2-20020/0576     | 01/29/76            | 90              | 5183         | 14.7         | 151.5                              | GGGG                |                      | 221                   | 23                   |
| 00507N                                  | 5002N             | 2371-10322                   | 00000/0000                  | 2-20020/0438     | 01/28/76            | 100             | 5169         | 16.6         | 150.1                              | GGGG                |                      | 220                   | 25                   |
| 00508N                                  | 7739N             | 2505-12491                   | 00000/0000                  | 2-20026/1231     | 06/10/76            | 90              | 7039         | 35.3         | 188.3                              | GFGG                |                      | 246                   | 4                    |
| 00509N                                  | 7839N             | 2491-13120                   | 00000/0000                  | 2-20024/0290     | 05/27/76            | 40              | 6844         | 32.4         | 195.3                              | GGGG                |                      | 250                   | 3                    |
| 00510N                                  | 5001N             | 2389-10320                   | 00000/0000                  | 2-20020/1539     | 02/15/76            | 100             | 5420         | 21.6         | 147.7                              | GGGG                |                      | 220                   | 25                   |
| 00510N                                  | 1300N             | 2399-09504                   | 00000/0000                  | 2-20021/0574     | 02/25/76            | 10              | 5559         | 45.1         | 117.9                              | GFGG                |                      | 212                   | 51                   |
| 00511N                                  | 3432N             | 2403-10131                   | 00000/0000                  | 2-20021/0911     | 02/29/76            | 10              | 5615         | 36.3         | 135.2                              | GGGG                |                      | 216                   | 36                   |
| 00511N                                  | 2428N             | 2365-10052                   | 00000/0000                  | 2-20020/0166     | 01/22/76            | 10              | 5085         | 33.2         | 137.9                              | FF G                |                      | 214                   | 43                   |
| 00512N                                  | 7926N             | 2549-13330                   | 00000/0000                  | 2-20030/0077     | 07/24/76            | 20              | 7653         | 29.9         | 198.3                              | GGGG                |                      | 3                     | 2                    |
| 00513N                                  | 8012N             | 2483-14084                   | 00000/0000                  | 2-20025/0837     | 05/13/76            | 100             | 6733         | 28.5         | 210.2                              | GGGG                |                      | 8                     | 1                    |
| 00513N                                  | 3426N             | 2385-10134                   | 00000/0000                  | 2-20020/1400     | 02/11/76            | 70              | 5364         | 30.9         | 139.2                              | GGGG                |                      | 216                   | 36                   |
| 00514N                                  | 5950N             | 2393-10515                   | 00000/0000                  | 2-20021/0184     | 02/19/76            | 100             | 5476         | 15.7         | 153.8                              | GFGG                |                      | 224                   | 18                   |
| 00514N                                  | 1845N             | 2400-10004                   | 00000/0000                  | 2-20021/0775     | 02/26/76            | 100             | 5573         | 43.2         | 123.0                              | GFGG                |                      | 213                   | 47                   |
| 00514N                                  | 1249N             | 2381-09571                   | 00000/0000                  | 2-20020/1176     | 02/07/76            | 30              | 5308         | 41.8         | 124.8                              | FGGG                |                      | 212                   | 51                   |
| 00515N                                  | 3846N             | 2404-10174                   | 00000/0000                  | 2-20021/0983     | 03/01/76            | 30              | 5629         | 34.1         | 138.1                              | GGGG                |                      | 217                   | 33                   |
| 00516N                                  | 3845N             | 2368-10153                   | 00000/0000                  | 2-20020/0291     | 01/25/76            | 30              | 5127         | 24.1         | 145.0                              | GGGG                |                      | 217                   | 33                   |
| 00517N                                  | 7737N             | 2541-12481                   | 00000/0000                  | 2-20021/1591     | 07/16/76            | 80              | 7541         | 33.6         | 186.1                              | GGGG                |                      | 246                   | 4                    |
| 00523N                                  | 1139N             | 2453-09552                   | 00000/0000                  | 2-20023/0503     | 04/19/76            | 10              | 6312         | 54.5         | 86.9                               | GGGG                |                      | 212                   | 52                   |
| 00525N                                  | 7931N             | 2478-13403                   | 00000/0000                  | 2-20025/0330     | 05/14/76            | 50              | 6663         | 28.5         | 202.5                              | GGGG                |                      | 3                     | 2                    |
| 00525N                                  | 1136N             | 2435-09560                   | 00000/0000                  | 2-20022/1725     | 04/01/76            | 0               | 6061         | 52.4         | 97.5                               | GFGG                |                      | 212                   | 52                   |
| 00529N                                  | 5721N             | 2446-10452                   | 00000/0000                  | 2-20022/1851     | 04/12/76            | 20              | 6215         | 37.9         | 149.1                              | GFGG                |                      | 223                   | 20                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NBN-US

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00530N                                  | 1134N             | 2399-09570                   | 00000/0000                  | 2-20021/0575     | 02/25/76            | 0               | 5559         | 45.5         | 116.4                              | GGGG                |                      | 212                   | 52                   |
| 00531N                                  | 2834N             | 2384-10094                   | 00000/0000                  | 2-20020/1311     | 02/10/76            | 0               | 5350         | 34.2         | 135.8                              | FGGF                |                      | 215                   | 40                   |
| 00534W                                  | 5717N             | 2428-10455                   | 00000/0000                  | 2-20022/0603     | 03/25/76            | 80              | 5964         | 31.1         | 149.9                              | GGGG                |                      | 223                   | 20                   |
| 00534N                                  | 2305N             | 2401-10051                   | 00000/0000                  | 2-20022/0010     | 02/27/76            | 10              | 5587         | 41.6         | 126.5                              | FGGG                |                      | 214                   | 44                   |
| 00535W                                  | 1719N             | 2400-10011                   | 00000/0000                  | 2-20021/0776     | 02/26/76            | 60              | 5573         | 43.8         | 121.6                              | GGFG                |                      | 213                   | 48                   |
| 00535N                                  | 1123N             | 2381-09573                   | 00000/0000                  | 2-20020/1177     | 02/07/76            | 70              | 5308         | 42.4         | 123.6                              | FGGG                |                      | 212                   | 52                   |
| 00537N                                  | 4144N             | 2477-10202                   | 00000/0000                  | 2-20025/0285     | 05/13/76            | 20              | 6647         | 55.8         | 123.9                              | GGGG                |                      | 218                   | 31                   |
| 00537N                                  | 2252N             | 2383-10054                   | 00000/0000                  | 2-20020/1244     | 02/09/76            | 60              | 5336         | 37.2         | 132.1                              | FFFG                |                      | 214                   | 44                   |
| 00539W                                  | 5705N             | 2392-10470                   | 00000/0000                  | 2-20021/0127     | 02/18/76            | 80              | 5462         | 17.4         | 151.9                              | GGGG                |                      | 223                   | 20                   |
| 00539N                                  | 3301N             | 2385-10141                   | 00000/0000                  | 2-20020/1401     | 02/11/76            | 10              | 5364         | 31.8         | 138.4                              | GGGG                |                      | 216                   | 37                   |
| 00540N                                  | 7835N             | 2545-13113                   | 00000/0000                  | 2-20029/0149     | 07/20/76            | 100             | 7597         | 31.8         | 191.8                              | GGGG                |                      | 250                   | 3                    |
| 00542N                                  | 4848N             | 2425-10312                   | 00000/0000                  | 2-20022/0209     | 03/22/76            | 90              | 5922         | 35.7         | 142.7                              | GGGG                |                      | 220                   | 26                   |
| 00543N                                  | 1013N             | 2453-09555                   | 00000/0000                  | 2-20023/0534     | 04/19/76            | 10              | 6312         | 54.1         | 84.8                               | GGGG                |                      | 212                   | 53                   |
| 00545N                                  | 4838N             | 2371-10325                   | 00000/0000                  | 2-20020/0439     | 01/28/76            | 100             | 5169         | 17.6         | 149.4                              | GGGG                |                      | 220                   | 26                   |
| 00546N                                  | 1009N             | 2435-09562                   | 00000/0000                  | 2-20022/1726     | 04/01/76            | 0               | 6061         | 52.3         | 95.6                               | GGGG                |                      | 212                   | 53                   |
| 00547N                                  | 8040N             | 2542-14353                   | 00000/0000                  | 2-20028/1750     | 07/17/76            | 90              | 7556         | 29.0         | 214.3                              | GGGG                |                      | 247                   | 248                  |
| 00547N                                  | 5427N             | 2427-10410                   | 00000/0000                  | 2-20022/0574     | 03/24/76            | 90              | 5950         | 32.7         | 147.4                              | GGGG                |                      | 222                   | 22                   |
| 00548N                                  | 4837N             | 2389-10322                   | 00000/0000                  | 2-20020/1590     | 02/15/76            | 70              | 5420         | 22.6         | 146.9                              | GGGG                |                      | 220                   | 26                   |
| 00549N                                  | 5138N             | 2426-10361                   | 00000/0000                  | 2-20022/0422     | 03/23/76            | 10              | 5936         | 34.2         | 145.0                              | G GG                |                      | 221                   | 24                   |
| 00550N                                  | 7748N             | 2470-12554                   | 00000/0000                  | 2-20024/1700     | 05/06/76            | 10              | 6551         | 28.7         | 190.1                              | FGGG                |                      | 246                   | 4                    |
| 00550N                                  | 5130N             | 2372-10374                   | 00000/0000                  | 2-20020/0577     | 01/29/76            | 90              | 5183         | 15.7         | 150.7                              | GGFG                |                      | 221                   | 24                   |
| 00551N                                  | 1008N             | 2399-09573                   | 00000/0000                  | 2-20021/0576     | 02/25/76            | 10              | 5559         | 45.9         | 114.9                              | GGGG                |                      | 212                   | 53                   |
| 00552N                                  | 8015N             | 2466-14145                   | 00000/0000                  | 2-20024/1190     | 05/02/76            | 20              | 6496         | 24.0         | 210.5                              | GGGG                |                      | 9                     | 1                    |
| 00552N                                  | 5415N             | 2373-10423                   | 00000/0000                  | 2-20020/0626     | 01/30/76            | 70              | 5197         | 13.9         | 152.1                              | GGFF                |                      | 222                   | 22                   |
| 00552N                                  | 5412N             | 2391-10421                   | 00000/0000                  | 2-20021/0222     | 02/17/76            | 90              | 5448         | 19.2         | 150.0                              | GGGG                |                      | 222                   | 22                   |
| 00555N                                  | 2708N             | 2384-10121                   | 00000/0000                  | 2-20020/1312     | 02/10/76            | 0               | 5350         | 35.1         | 134.8                              | FGGG                |                      | 215                   | 41                   |
| 00555N                                  | 2138N             | 2401-10053                   | 00000/0000                  | 2-20022/0011     | 02/27/76            | 10              | 5587         | 42.2         | 125.3                              | FGGG                |                      | 214                   | 45                   |
| 00556N                                  | 1552N             | 2400-10013                   | 00000/0000                  | 2-20021/0777     | 02/26/76            | 0               | 5573         | 44.3         | 120.2                              | GGGG                |                      | 213                   | 49                   |
| 00556N                                  | 0956N             | 2381-09580                   | 00000/0000                  | 2-20020/1178     | 02/07/76            | 100             | 5308         | 43.0         | 122.3                              | FGGG                |                      | 212                   | 53                   |
| 00559N                                  | 2126N             | 2383-10060                   | 00000/0000                  | 2-20020/1245     | 02/09/76            | 90              | 5336         | 38.0         | 131.0                              | FFFG                |                      | 214                   | 45                   |
| 00602N                                  | 7845N             | 2474-13181                   | 00000/0000                  | 2-20025/0130     | 05/10/76            | 50              | 6607         | 28.6         | 196.0                              | GGGG                |                      | 250                   | 3                    |
| 00604N                                  | 8010N             | 2555-14005                   | 00000/0000                  | 2-20030/0476     | 07/30/76            | 90              | 7737         | 27.3         | 206.1                              | GGGG                |                      | 9                     | 1                    |
| 00605N                                  | 4023N             | 2441-10215                   | 00000/0000                  | 2-20022/1511     | 04/07/76            | 10              | 6145         | 46.5         | 131.8                              | GGGG                |                      | 218                   | 32                   |
| 00605W                                  | 3135N             | 2385-10143                   | 00000/0000                  | 2-20020/1402     | 02/11/76            | 0               | 5364         | 32.7         | 137.5                              | GGGG                |                      | 216                   | 38                   |
| 00607N                                  | 4019N             | 2477-10235                   | 00000/0000                  | 2-20025/0286     | 05/13/76            | 30              | 6647         | 56.3         | 121.6                              | GGGG                |                      | 218                   | 32                   |

KEYS: CLOUD COVER & ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US

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FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00610W                                  | 2018N             | 2437-10045                   | 00000/0000                 | 2-20022/1219     | 04/03/76            | 100             | 6089         | 52.3         | 108.2                              |                     |                      |                       |                      |
| 00611W                                  | 7926N             | 2478-13404                   | 2-20027/0589               | 00000/0000       | 05/14/76            | 30              | 6663         | 28.6         | 201.7                              | GG                  | GGGG                 | 214                   | 45                   |
| 00612W                                  | 5827N             | 2393-10522                   | 00000/0000                 | 2-20021/0185     | 02/19/76            | 90              | 5476         | 16.8         | 152.8                              |                     | GGFG                 | 4                     | 2                    |
| 00612W                                  | 4013N             | 2405-10230                   | 00000/0000                 | 2-20021/1062     | 03/02/76            | 60              | 5643         | 33.6         | 139.0                              |                     | GGGG                 | 224                   | 19                   |
| 00613W                                  | 7929N             | 2498-13401                   | 00000/0000                 | 2-20026/0536     | 06/01/76            | 30              | 6914         | 32.0         | 201.5                              |                     | GGGG                 | 218                   | 32                   |
| 00614W                                  | 7742N             | 2458-12552                   | 00000/0000                 | 2-20026/0019     | 05/24/76            | 100             | 6802         | 33.0         | 189.6                              |                     | GGGG                 | 4                     | 2                    |
| 00615W                                  | 2015N             | 2413-10052                   | 00000/0000                 | 2-20022/0150     | 03/16/76            | 30              | 5838         | 47.7         | 116.7                              |                     | FGFF                 | 247                   | 4                    |
| 00616W                                  | 7935N             | 2461-13464                   | 00000/0000                 | 2-20024/0677     | 04/27/76            | 0               | 6426         | 23.7         | 202.6                              |                     | GGGG                 | 214                   | 46                   |
| 00616W                                  | 1425N             | 2400-10020                   | 00000/0000                 | 2-20021/0778     | 02/26/76            | 0               | 5573         | 44.8         | 118.8                              |                     | FGGG                 | 4                     | 2                    |
| 00616W                                  | 0830N             | 2381-09582                   | 00000/0000                 | 2-20020/1179     | 02/07/76            | 90              | 5308         | 43.6         | 121.0                              |                     | FFFF                 | 213                   | 50                   |
| 00617W                                  | 2012N             | 2401-10060                   | 00000/0000                 | 2-20022/0012     | 02/27/76            | 10              | 5587         | 42.9         | 123.9                              |                     | FGGG                 | 212                   | 54                   |
| 00618W                                  | 2543N             | 2384-10103                   | 00000/0000                 | 2-20020/1313     | 02/10/76            | 0               | 5350         | 35.9         | 133.8                              |                     | FFGG                 | 214                   | 46                   |
| 00620W                                  | 8908N             | 2501-14082                   | 00000/0000                 | 2-20026/1160     | 06/06/76            | 70              | 6984         | 31.5         | 208.6                              |                     | GGGG                 | 215                   | 42                   |
| 00621W                                  | 2000N             | 2383-10063                   | 00000/0000                 | 2-20020/1246     | 02/09/76            | 100             | 5336         | 38.7         | 129.9                              |                     | FFGG                 | 9                     | 1                    |
| 00624W                                  | 5553N             | 2488-10462                   | 00000/0000                 | 2-20022/0604     | 03/25/76            | 80              | 5964         | 32.1         | 148.6                              |                     | GGGG                 | 214                   | 46                   |
| 00629W                                  | 5542N             | 2392-10472                   | 00000/0000                 | 2-20021/0128     | 02/18/76            | 90              | 5462         | 18.5         | 150.9                              |                     | GGGG                 | 223                   | 21                   |
| 00629W                                  | 5013N             | 2426-10364                   | 00000/0000                 | 2-20022/0426     | 03/23/76            | 30              | 5936         | 35.1         | 143.8                              |                     | GGGG                 | 223                   | 21                   |
| 00630W                                  | 3010N             | 2385-10150                   | 00000/0000                 | 2-20020/1403     | 02/11/76            | 0               | 5364         | 33.5         | 136.5                              |                     | GFGG                 | 221                   | 25                   |
| 00631W                                  | 5006N             | 2372-10340                   | 00000/0000                 | 2-20020/0578     | 01/29/76            | 90              | 5183         | 16.7         | 150.0                              |                     | GGGG                 | 216                   | 39                   |
| 00632W                                  | 5303N             | 2427-10413                   | 00000/0000                 | 2-20022/0575     | 03/24/76            | 90              | 5950         | 33.6         | 146.2                              |                     | GGGG                 | 221                   | 25                   |
| 00632W                                  | 1852N             | 2437-10051                   | 00000/0000                 | 2-20022/1220     | 04/03/76            | 100             | 6089         | 52.5         | 106.3                              |                     | GGGG                 | 222                   | 23                   |
| 00633W                                  | 7644N             | 2435-12334                   | 00000/0000                 | 2-20025/1016     | 05/21/76            | 60              | 6760         | 33.5         | 184.8                              |                     | GGGG                 | 214                   | 47                   |
| 00636W                                  | 5248N             | 2391-10423                   | 00000/0000                 | 2-20021/0223     | 02/17/76            | 90              | 5448         | 20.2         | 149.1                              |                     | GGGG                 | 244                   | 5                    |
| 00636W                                  | 1848N             | 2419-10055                   | 00000/0000                 | 2-20022/0151     | 03/16/76            | 20              | 5838         | 48.1         | 115.1                              |                     | GGGG                 | 222                   | 23                   |
| 00636W                                  | 1259N             | 2400-10022                   | 00000/0000                 | 2-20021/0779     | 02/26/76            | 0               | 5573         | 45.3         | 117.4                              |                     | GGGG                 | 214                   | 47                   |
| 00637W                                  | 5252N             | 2373-10430                   | 00000/0000                 | 2-20020/0627     | 01/30/76            | 90              | 5197         | 14.9         | 151.3                              |                     | GGGG                 | 213                   | 51                   |
| 00637W                                  | 0703N             | 2381-09585                   | 00000/0000                 | 2-20020/1180     | 02/07/76            | 90              | 5308         | 44.1         | 119.7                              |                     | GGGG                 | 222                   | 23                   |
| 00638W                                  | 1846N             | 2401-10062                   | 00000/0000                 | 2-20022/0013     | 02/27/76            | 10              | 5587         | 43.4         | 122.6                              |                     | GGGG                 | 212                   | 55                   |
| 00639W                                  | 5949N             | 2394-10574                   | 00000/0000                 | 2-20021/0303     | 02/20/76            | 40              | 5490         | 16.1         | 153.7                              |                     | GGGG                 | 214                   | 47                   |
| 00640W                                  | 7838N             | 2492-13174                   | 00000/0000                 | 2-20026/0385     | 05/28/76            | 40              | 6858         | 32.6         | 195.1                              |                     | GGGG                 | 225                   | 18                   |
| 00641W                                  | 2417N             | 2384-10110                   | 00000/0000                 | 2-20020/1314     | 02/10/76            | 0               | 5350         | 36.7         | 132.8                              |                     | FFFF                 | 251                   | 3                    |
| 00644W                                  | 8012N             | 2484-14142                   | 00000/0000                 | 2-20025/0972     | 05/20/76            | 10              | 6747         | 28.7         | 210.1                              |                     | GGGG                 | 215                   | 43                   |
| 00645W                                  | 8007N             | 2537-14072                   | 00000/0000                 | 2-20028/1273     | 07/12/76            | 10              | 7486         | 30.9         | 206.0                              |                     | GGGG                 | 9                     | 1                    |
| 00645W                                  | 7739N             | 2506-12545                   | 00000/0000                 | 2-20026/1359     | 06/11/76            | 10              | 7053         | 35.4         | 188.2                              |                     | GGGG                 | 9                     | 1                    |
| 00648W                                  | 7737N             | 2542-12535                   | 00000/0000                 | 2-20028/1749     | 07/17/76            | 100             | 7555         | 33.5         | 186.0                              |                     | GGGG                 | 247                   | 4                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER,  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FBR NBN-US  
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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00649W                                  | 7933N             | 2479-13462                   | 00000/0000                 | 2-20025/0598     | 05/15/76            | 20              | 6677         | 28.7         | 202.7                              | GGGG                |                      | 4                     | 2                    |
| 00655W                                  | 2844N             | 2385-10152                   | 00000/0000                 | 2-20020/1404     | 02/11/76            | 0               | 5364         | 34.4         | 135.6                              | GGGG                |                      | 216                   | 40                   |
| 00657W                                  | 1132N             | 2400-10025                   | 00000/0000                 | 2-20021/0780     | 02/26/76            | 10              | 5573         | 45.7         | 115.9                              | GGGG                |                      | 213                   | 32                   |
| 00658W                                  | 7635N             | 2503-12381                   | 00000/0000                 | 2-20024/0981     | 06/08/76            | 90              | 7011         | 36.3         | 183.3                              | GGGG                |                      | 244                   | 5                    |
| 00700W                                  | 7846N             | 2457-13242                   | 00000/0000                 | 2-20023/0542     | 04/23/76            | 20              | 6370         | 23.5         | 195.7                              | GGFG                |                      | 251                   | 3                    |
| 00700W                                  | 1719N             | 2401-10065                   | 00000/0000                 | 2-20022/0014     | 02/27/76            | 0               | 5587         | 44.0         | 121.2                              | FFFG                |                      | 214                   | 48                   |
| 00703W                                  | 2251N             | 2384-10112                   | 00000/0000                 | 2-20020/1315     | 02/10/76            | 0               | 5350         | 37.5         | 131.8                              | FFFF                |                      | 215                   | 44                   |
| 00704W                                  | 1707N             | 2383-10072                   | 00000/0000                 | 2-20020/1247     | 02/09/76            | 40              | 5336         | 40.2         | 127.7                              | FFFF                |                      | 214                   | 48                   |
| 00705W                                  | 3300N             | 2386-10195                   | 00000/0000                 | 2-20020/1302     | 02/12/76            | 80              | 5378         | 32.1         | 138.1                              | FGGG                |                      | 217                   | 37                   |
| 00706W                                  | 5704N             | 2393-10524                   | 00000/0000                 | 2-20021/0186     | 02/19/76            | 80              | 5476         | 17.8         | 151.8                              | FGGG                |                      | 224                   | 20                   |
| 00707W                                  | 5704N             | 2411-10521                   | 00000/0000                 | 2-20021/1334     | 03/08/76            | 50              | 5727         | 24.5         | 150.6                              | GGGG                |                      | 224                   | 20                   |
| 00708W                                  | 4849N             | 2426-10370                   | 00000/0000                 | 2-20022/0427     | 03/23/76            | 60              | 5936         | 36.0         | 142.6                              | GGGG                |                      | 221                   | 24                   |
| 00709W                                  | 4842N             | 2372-10343                   | 00000/0000                 | 2-20020/0579     | 01/29/76            | 90              | 5183         | 17.8         | 149.3                              | GGGG                |                      | 221                   | 26                   |
| 00710W                                  | 7749N             | 2471-13012                   | 00000/0000                 | 2-20024/1771     | 05/07/76            | 30              | 6565         | 29.0         | 190.2                              | GGGG                |                      | 247                   | 4                    |
| 00712W                                  | 5429N             | 2428-10464                   | 00000/0000                 | 2-20022/0605     | 03/25/76            | 80              | 5964         | 33.0         | 147.4                              | GGGG                |                      | 223                   | 22                   |
| 00714W                                  | 5139N             | 2427-10415                   | 00000/0000                 | 2-20022/0576     | 03/24/76            | 90              | 5950         | 34.6         | 145.0                              | GGGG                |                      | 222                   | 24                   |
| 00717W                                  | 5418N             | 2392-10475                   | 00000/0000                 | 2-20021/0129     | 02/18/76            | 70              | 5462         | 19.5         | 150.0                              | GGGG                |                      | 223                   | 22                   |
| 00719W                                  | 5124N             | 2391-10430                   | 00000/0000                 | 2-20021/0224     | 02/17/76            | 90              | 5448         | 21.2         | 148.3                              | GGGG                |                      | 222                   | 24                   |
| 00719W                                  | 2718N             | 2385-10155                   | 00000/0000                 | 2-20020/1405     | 02/11/76            | 0               | 5364         | 35.2         | 134.6                              | GGGG                |                      | 216                   | 41                   |
| 00720W                                  | 5129N             | 2373-10432                   | 00000/0000                 | 2-20020/0628     | 01/30/76            | 100             | 5197         | 16.0         | 150.6                              | GGFG                |                      | 222                   | 24                   |
| 00725W                                  | 7928N             | 2497-13455                   | 00000/0000                 | 2-20026/0151     | 06/02/76            | 30              | 6928         | 32.1         | 201.6                              | FGGG                |                      | 5                     | 2                    |
| 00725W                                  | 1540N             | 2383-10074                   | 00000/0000                 | 2-20020/1248     | 02/09/76            | 20              | 5336         | 40.8         | 126.5                              | GGGG                |                      | 214                   | 49                   |
| 00726W                                  | 2125N             | 2384-10115                   | 00000/0000                 | 2-20020/1316     | 02/10/76            | 0               | 5350         | 38.2         | 130.7                              | FGGF                |                      | 215                   | 45                   |
| 00728W                                  | 5750S             | 2397-08254                   | 00000/0000                 | 2-20021/0459     | 02/23/76            | 40              | 5530         | 18.8         | 69.7                               | FGGF                |                      | 192                   | 108                  |
| 00731W                                  | 3135N             | 2386-10201                   | 00000/0000                 | 2-20020/1303     | 02/12/76            | 60              | 5378         | 32.9         | 137.2                              | GGGG                |                      | 217                   | 38                   |
| 00735W                                  | 8044N             | 2455-14545                   | 00000/0000                 | 2-20024/0316     | 04/21/76            | 20              | 6343         | 19.4         | 218.3                              | GGGG                |                      | 3                     | 247                  |
| 00736W                                  | 7744N             | 2489-13010                   | 00000/0000                 | 2-20026/0086     | 05/25/76            | 100             | 6816         | 33.2         | 189.7                              | GGGG                |                      | 248                   | 4                    |
| 00737W                                  | 5827N             | 2394-10580                   | 00000/0000                 | 2-20021/0304     | 02/20/76            | 50              | 5490         | 17.1         | 152.7                              | GGGG                |                      | 225                   | 19                   |
| 00742W                                  | 2552N             | 2385-10151                   | 00000/0000                 | 2-20020/1406     | 02/11/76            | 0               | 5364         | 36.0         | 133.6                              | GGGG                |                      | 216                   | 42                   |
| 00743W                                  | 1425N             | 2365-10083                   | 00000/0000                 | 2-20020/0167     | 01/22/76            | 10              | 5085         | 39.0         | 131.2                              | FFFG                |                      | 214                   | 50                   |
| 00745W                                  | 8007N             | 2502-14140                   | 00000/0000                 | 2-20026/0338     | 06/07/76            | 10              | 6998         | 31.6         | 208.4                              | GGGG                |                      | 10                    | 1                    |
| 00746W                                  | 1414N             | 2383-10081                   | 00000/0000                 | 2-20020/1249     | 02/09/76            | 10              | 5336         | 41.5         | 125.3                              | GGFG                |                      | 214                   | 50                   |
| 00748W                                  | 7934N             | 2462-13523                   | 00000/0000                 | 2-20024/0864     | 04/28/76            | 0               | 6440         | 24.0         | 202.5                              | GGGG                |                      | 5                     | 2                    |
| 00748W                                  | 1956N             | 2384-10121                   | 00000/0000                 | 2-20020/1317     | 02/10/76            | 0               | 5350         | 39.0         | 129.6                              | FGGG                |                      | 215                   | 46                   |
| 00754W                                  | 5015N             | 2427-10422                   | 00000/0000                 | 2-20022/0577     | 03/24/76            | 90              | 5950         | 35.5         | 143.7                              | GGGG                |                      | 222                   | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 00756W                      | 5541N | 2393-10531        | 00000/0000                   | 2-20021/0187                | 02/19/76         | 80                  | 5476            | 18.8         | 150.8        |                                    |                     |                      |                       |                      |
| 00756W                      | 3009N | 2336-10204        | 00000/0000                   | 2-20020/1304                | 02/12/76         | 10                  | 5378            | 33.8         | 136.3        | FFGG                               |                     |                      | 224                   | 21                   |
| 00757W                      | 5305N | 2428-10471        | 00000/0000                   | 2-20022/0606                | 03/25/76         | 90                  | 5564            | 34.0         | 146.1        | GGGG                               |                     |                      | 217                   | 39                   |
| 00759W                      | 5000N | 2391-10432        | 00000/0000                   | 2-20021/0225                | 02/17/76         | 90                  | 5448            | 22.2         | 147.4        | FFGG                               |                     |                      | 223                   | 23                   |
| 00801W                      | 5004N | 2377-10435        | 00000/0000                   | 2-20020/0629                | 01/30/76         | 90                  | 5197            | 17.0         | 149.8        | GGGG                               |                     |                      | 222                   | 25                   |
| 00802W                      | 7643N | 2406-12441        | 00000/0000                   | 2-20025/1071                | 05/22/76         | 10                  | 6774            | 33.7         | 184.7        | GGGG                               |                     |                      | 222                   | 25                   |
| 00802W                      | 5254N | 2392-10481        | 00000/0000                   | 2-20021/0130                | 02/18/76         | 60                  | 5462            | 20.5         | 149.1        | GGGG                               |                     |                      | 248                   | 5                    |
| 00804W                      | 5950N | 2395-11032        | 00000/0000                   | 2-20021/0370                | 02/21/76         | 100                 | 5504            | 16.4         | 153.7        | GGGG                               |                     |                      | 223                   | 23                   |
| 00805W                      | 2426N | 2385-10164        | 00000/0000                   | 2-20020/1407                | 02/11/76         | 0                   | 5364            | 36.8         | 132.6        | GGGG                               |                     |                      | 226                   | 18                   |
| 00807W                      | 1248N | 2383-10083        | 00000/0000                   | 2-20020/1250                | 02/09/76         | 0                   | 5336            | 42.1         | 124.1        | GGGG                               |                     |                      | 216                   | 42                   |
| 00809W                      | 1832N | 2384-10124        | 00000/0000                   | 2-20020/1318                | 02/10/76         | 0                   | 5350            | 39.7         | 128.5        | GGGG                               |                     |                      | 214                   | 51                   |
| 00810W                      | 7839N | 2493-13232        | 00000/0000                   | 2-20026/0455                | 05/29/76         | 10                  | 6872            | 32.8         | 195.0        | FFGG                               |                     |                      | 215                   | 47                   |
| 00814W                      | 8011N | 2485-14201        | 00000/0000                   | 2-20025/1018                | 05/21/76         | 10                  | 6761            | 28.9         | 210.0        | GGGG                               |                     |                      | 1                     | 3                    |
| 00814W                      | 7931N | 2480-13520        | 00000/0000                   | 2-20025/0527                | 05/16/76         | 40                  | 6691            | 29.0         | 202.6        | GGGG                               |                     |                      | 10                    | 1                    |
| 00815W                      | 7738N | 2507-13003        | 00000/0000                   | 2-20026/1138                | 06/12/76         | 90                  | 7067            | 35.5         | 188.0        | GGGG                               |                     |                      | 5                     | 2                    |
| 00820W                      | 2843N | 2386-10210        | 00000/0000                   | 2-20020/1305                | 02/12/76         | 0                   | 5378            | 34.6         | 135.3        | GGGG                               |                     |                      | 248                   | 4                    |
| 00822W                      | 7848N | 2458-13300        | 00000/0000                   | 2-20024/0483                | 04/24/76         | 10                  | 6384            | 23.9         | 195.3        | GGGG                               |                     |                      | 217                   | 40                   |
| 00827W                      | 7637N | 2504-12435        | 00000/0000                   | 2-20026/1171                | 06/09/76         | 20                  | 7025            | 36.4         | 183.4        | GGGG                               |                     |                      | 1                     | 3                    |
| 00827W                      | 2300N | 2385-10170        | 00000/0000                   | 2-20020/1408                | 02/11/76         | 0                   | 5364            | 37.6         | 131.6        | GGGG                               |                     |                      | 245                   | 5                    |
| 00829W                      | 7835N | 2547-13220        | 00000/0000                   | 2-20030/0105                | 07/22/76         | 60                  | 7625            | 31.4         | 191.7        | GGGG                               |                     |                      | 216                   | 44                   |
| 00830W                      | 1706N | 2384-10130        | 00000/0000                   | 2-20020/1319                | 02/10/76         | 0                   | 5350            | 40.4         | 127.3        | GGGG                               |                     |                      | 1                     | 3                    |
| 00831W                      | 5704N | 2394-10543        | 00000/0000                   | 2-20021/0305                | 02/20/76         | 70                  | 5490            | 18.2         | 151.7        | GGGG                               |                     |                      | 215                   | 48                   |
| 00836W                      | 5701N | 2376-10585        | 00000/0000                   | 2-20020/0678                | 02/02/76         | 90                  | 5239            | 12.6         | 153.4        | GGGG                               |                     |                      | 225                   | 20                   |
| 00836W                      | 5145N | 2446-10470        | 00000/0000                   | 2-20022/1852                | 04/12/76         | 20                  | 6215            | 41.7         | 143.1        | GGGG                               |                     |                      | 225                   | 20                   |
| 00837W                      | 4836N | 2391-10435        | 00000/0000                   | 2-20021/0226                | 02/17/76         | 100                 | 5448            | 23.2         | 146.6        | GGGG                               |                     |                      | 223                   | 24                   |
| 00839W                      | 4840N | 2373-10441        | 00000/0000                   | 2-20020/0630                | 01/30/76         | 80                  | 5197            | 18.1         | 149.1        | GGGG                               |                     |                      | 222                   | 26                   |
| 00840W                      | 5141N | 2428-10473        | 00000/0000                   | 2-20022/0607                | 03/25/76         | 80                  | 5964            | 34.9         | 144.9        | GGGG                               |                     |                      | 222                   | 26                   |
| 00842W                      | 7748N | 2472-13071        | 00000/0000                   | 2-20025/0061                | 05/08/76         | 100                 | 6579            | 29.3         | 190.2        | FF                                 |                     |                      | 223                   | 24                   |
| 00843W                      | 8017N | 2468-14262        | 00000/0000                   | 2-20024/1462                | 05/04/76         | 40                  | 6524            | 24.6         | 210.7        | GGGG                               |                     |                      | 248                   | 4                    |
| 00843W                      | 5416N | 2393-10533        | 00000/0000                   | 2-20021/0188                | 02/19/76         | 80                  | 5476            | 19.8         | 149.9        | GGGG                               |                     |                      | 249                   | 248                  |
| 00844W                      | 5130N | 2392-10484        | 00000/0000                   | 2-20021/0131                | 02/18/76         | 70                  | 5462            | 21.5         | 148.2        | GGGG                               |                     |                      | 224                   | 22                   |
| 00844W                      | 2717N | 2386-10213        | 00000/0000                   | 2-20020/1306                | 02/12/76         | 40                  | 5378            | 35.5         | 134.4        | GGGG                               |                     |                      | 223                   | 24                   |
| 00848W                      | 7844N | 2476-13293        | 00000/0000                   | 2-20025/0087                | 05/12/76         | 20                  | 6635            | 29.1         | 196.0        | GGGG                               |                     |                      | 217                   | 41                   |
| 00848W                      | 1551N | 2402-10130        | 00000/0000                   | 2-20021/0837                | 02/28/76         | 0                   | 5601            | 44.8         | 119.4        | GGGG                               |                     |                      | 1                     | 3                    |
| 00849W                      | 7832N | 2529-13223        | 00000/0000                   | 2-20028/0623                | 07/04/76         | 50                  | 7374            | 34.1         | 192.2        | GGGG                               |                     |                      | 215                   | 49                   |
|                             |       |                   |                              |                             |                  |                     |                 |              |              |                                    |                     |                      | 1                     | 3                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS-BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL SCENE<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>TO RALI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 008510                                  | 21380             | 2345-10173                   | 00000/0000                  | 2-20020/1320     | 0                   | 5364            | 38.3         | 130.5        | FFFF                               |                     |                      | 216                   | 45                   |
| 008511                                  | 15470             | 2345-10173                   | 00000/0000                  | 2-20020/1320     | 40                  | 5350            | 41.0         | 126.2        | GGGG                               |                     |                      | 215                   | 49                   |
| 008512                                  | 31370             | 2345-10262                   | 00000/0000                  | 2-20020/1325     | 30                  | 5141            | 29.2         | 141.1        | GGGG                               |                     |                      | 218                   | 38                   |
| 008513                                  | 33280             | 2345-10262                   | 00000/0000                  | 2-20021/0371     | 30                  | 5504            | 17.5         | 152.6        | FGFG                               |                     |                      | 226                   | 19                   |
| 008514                                  | 77440             | 2345-10262                   | 00000/0000                  | 2-20028/0005     | 40                  | 6830            | 33.4         | 189.6        | GGGG                               |                     |                      | 249                   | 4                    |
| 008515                                  | 77440             | 2345-10262                   | 00000/0000                  | 2-20026/1151     | 40                  | 6942            | 32.3         | 201.4        | GGGG                               |                     |                      | 6                     | 2                    |
| 008516                                  | 23000             | 2345-10215                   | 00000/0000                  | 2-20020/1307     | 50                  | 5378            | 36.3         | 133.4        | GGGG                               |                     |                      | 217                   | 42                   |
| 008517                                  | 23000             | 2345-10215                   | 00000/0000                  | 2-20021/0833     | 0                   | 5601            | 45.3         | 118.0        | GGGG                               |                     |                      | 215                   | 50                   |
| 008518                                  | 23000             | 2345-10215                   | 00000/0000                  | 2-20021/0912     | 10                  | 5615            | 43.4         | 123.2        | GGGG                               |                     |                      | 216                   | 46                   |
| 008519                                  | 23000             | 2345-10215                   | 00000/0000                  | 2-20021/0053     | 100                 | 5364            | 39.1         | 129.4        | FGFF                               |                     |                      | 216                   | 46                   |
| 008520                                  | 14130             | 2345-10135                   | 00000/0000                  | 2-20021/1321     | 30                  | 5350            | 41.7         | 124.9        | GGGG                               |                     |                      | 215                   | 50                   |
| 008521                                  | 23000             | 2345-10000                   | 00000/0000                  | 2-20024/0331     | 10                  | 6357            | 19.8         | 218.2        | GGGG                               |                     |                      | 5                     | 247                  |
| 008522                                  | 23000             | 2345-10135                   | 00000/0000                  | 2-20024/0918     | 90                  | 7012            | 31.7         | 208.3        | GGGG                               |                     |                      | 11                    | 1                    |
| 008523                                  | 23000             | 2345-10135                   | 00000/0000                  | 2-20021/0460     | 70                  | 5530            | 17.8         | 70.9         | GGGG                               |                     |                      | 192                   | 109                  |
| 008524                                  | 23000             | 2345-10440                   | 00000/0000                  | 2-20022/0608     | 60                  | 5964            | 35.9         | 143.7        | GGGG                               |                     |                      | 223                   | 25                   |
| 008525                                  | 23000             | 2345-10535                   | 00000/0000                  | 2-20021/0306     | 90                  | 5490            | 19.2         | 150.7        | FGGG                               |                     |                      | 223                   | 21                   |
| 008526                                  | 23000             | 2345-10264                   | 00000/0000                  | 2-20022/0186     | 10                  | 5141            | 30.1         | 140.3        | GGGG                               |                     |                      | 218                   | 39                   |
| 008527                                  | 23000             | 2345-10535                   | 00000/0000                  | 2-20020/0679     | 90                  | 5239            | 13.6         | 152.5        | GGGG                               |                     |                      | 225                   | 21                   |
| 008528                                  | 23000             | 2345-10535                   | 00000/0000                  | 2-20021/0139     | 50                  | 5476            | 20.8         | 149.0        | FGGG                               |                     |                      | 224                   | 23                   |
| 008529                                  | 23000             | 2345-10135                   | 00000/0000                  | 2-20021/0839     | 0                   | 5601            | 45.7         | 116.5        | GGGG                               |                     |                      | 215                   | 51                   |
| 008530                                  | 23000             | 2345-10262                   | 00000/0000                  | 2-20020/1308     | 90                  | 5378            | 37.1         | 132.3        | GGGG                               |                     |                      | 217                   | 43                   |
| 008531                                  | 23000             | 2345-10173                   | 00000/0000                  | 2-20021/0913     | 70                  | 5615            | 44.0         | 121.8        | FGGG                               |                     |                      | 216                   | 47                   |
| 008532                                  | 23000             | 2345-12600                   | 00000/0000                  | 2-20025/1122     | 100                 | 6788            | 33.9         | 184.6        | GGGG                               |                     |                      | 246                   | 5                    |
| 008533                                  | 23000             | 2345-12600                   | 00000/0000                  | 2-20030/0746     | 90                  | 7792            | 30.7         | 181.3        | GGGG                               |                     |                      | 246                   | 5                    |
| 008534                                  | 23000             | 2345-10142                   | 00000/0000                  | 2-20021/0084     | 70                  | 5364            | 39.8         | 128.3        | GGFG                               |                     |                      | 216                   | 47                   |
| 008535                                  | 23000             | 2345-10142                   | 00000/0000                  | 2-20020/1322     | 70                  | 5350            | 42.3         | 123.7        | FGGG                               |                     |                      | 215                   | 51                   |
| 008536                                  | 23000             | 2345-10300                   | 00000/0000                  | 2-20024/1588     | 50                  | 7081            | 35.6         | 187.9        | GGGG                               |                     |                      | 249                   | 4                    |
| 008537                                  | 23000             | 2345-10271                   | 00000/0000                  | 2-20020/0187     | 10                  | 5141            | 31.0         | 139.5        | GGGG                               |                     |                      | 218                   | 40                   |
| 008538                                  | 23000             | 2345-14255                   | 00000/0000                  | 2-20025/1072     | 0                   | 6775            | 29.1         | 209.9        | GGGG                               |                     |                      | 11                    | 1                    |
| 008539                                  | 23000             | 2345-13052                   | 00000/0000                  | 2-20029/0028     | 90                  | 7583            | 33.1         | 185.9        | GGGG                               |                     |                      | 249                   | 4                    |
| 008540                                  | 23000             | 2345-12433                   | 00000/0000                  | 2-20026/1232     | 90                  | 7039            | 36.5         | 183.2        | GGFG                               |                     |                      | 246                   | 5                    |
| 008541                                  | 23000             | 2345-10141                   | 00000/0000                  | 2-20021/0840     | 0                   | 5601            | 46.1         | 115.0        | FGGG                               |                     |                      | 215                   | 52                   |
| 008542                                  | 23000             | 2345-13132                   | 00000/0000                  | 2-20024/0315     | 30                  | 6342            | 24.0         | 189.8        | GGGG                               |                     |                      | 249                   | 4                    |
| 008543                                  | 23000             | 2345-12449                   | 00000/0000                  | 2-20028/1592     | 90                  | 7541            | 34.7         | 181.0        | GGGG                               |                     |                      | 246                   | 5                    |
| 008544                                  | 23000             | 2345-10224                   | 00000/0000                  | 2-20020/1309     | 60                  | 5378            | 37.8         | 131.5        | GGGG                               |                     |                      | 217                   | 44                   |

KEYS: CLOUD COVER 4 ..... 0 TO 100 % CLOUD COVER,  
IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |              |              | 123 45678             |                     |                      |                       |                      |
| 00954N                      | 1715N             | 2385-10134                              | 00000/0000       | 2-20021/0035        | 02/11/76     | 60           | 5364                  | 40.5                | 127.1                |                       |                      |
| 00955N                      | 7932N             | 2481-13574                              | 00000/0000       | 2-20025/0731        | 05/17/76     | 100          | 6705                  | 29.2                | 202.5                |                       |                      |
| 00956N                      | 5707N             | 2395-11041                              | 00000/0000       | 2-20021/0372        | 02/21/76     | 40           | 5504                  | 18.5                | 151.6                |                       |                      |
| 00958N                      | 7847N             | 2459-13354                              | 00000/0000       | 2-20024/0282        | 04/25/76     | 0            | 6398                  | 24.2                | 195.8                |                       |                      |
| 01001N                      | 7749N             | 2473-13125                              | 00000/0000       | 2-20025/0071        | 05/09/76     | 70           | 6593                  | 29.5                | 190.3                |                       |                      |
| 01003N                      | 4841N             | 2392-10493                              | 00000/0000       | 2-20021/0132        | 02/18/76     | 90           | 5462                  | 23.5                | 146.5                |                       |                      |
| 01006N                      | 5142N             | 2573-10492                              | 00000/0000       | 2-20030/1656        | 08/17/76     | 10           | 7986                  | 45.2                | 138.5                |                       |                      |
| 01007N                      | 5143N             | 2591-10485                              | 00000/0000       | 2-20032/0786        | 09/04/76     | 80           | 8237                  | 39.9                | 143.2                |                       |                      |
| 01010N                      | 5417N             | 2394-10532                              | 00000/0000       | 2-20021/0307        | 02/20/76     | 90           | 5490                  | 20.2                | 149.8                |                       |                      |
| 01010N                      | 5128N             | 2393-10542                              | 00000/0000       | 2-20021/0190        | 02/19/76     | 80           | 5476                  | 21.8                | 148.1                |                       |                      |
| 01010N                      | 2719N             | 2369-10273                              | 00000/0000       | 2-20020/0188        | 01/26/76     | 10           | 5141                  | 31.9                | 138.7                |                       |                      |
| 01010N                      | 1006N             | 2402-10144                              | 00000/0000       | 2-20021/0841        | 02/28/76     | 0            | 5601                  | 46.5                | 113.5                |                       |                      |
| 01012N                      | 7833N             | 2530-13241                              | 00000/0000       | 2-20024/0780        | 07/05/76     | 10           | 7388                  | 34.0                | 192.2                |                       |                      |
| 01013N                      | 8016N             | 2469-14320                              | 00000/0000       | 2-20024/1436        | 05/05/76     | 10           | 6538                  | 24.9                | 210.7                |                       |                      |
| 01014N                      | 5414N             | 2376-10594                              | 00000/0000       | 2-20020/0680        | 02/02/76     | 100          | 5239                  | 14.7                | 151.7                |                       |                      |
| 01018N                      | 5750S             | 2399-08371                              | 00000/0000       | 2-20021/0570        | 02/25/76     | 90           | 5558                  | 18.2                | 69.3                 |                       |                      |
| 01027N                      | 7843N             | 2477-13352                              | 2-20025/1261     | 2-20025/0588        | 05/13/76     | 10           | 6649                  | 29.4                | 195.9                |                       |                      |
| 01028N                      | 5825N             | 2378-11035                              | 00000/0000       | 2-20020/0950        | 02/04/76     | 70           | 5267                  | 12.1                | 154.1                |                       |                      |
| 01030N                      | 8038N             | 2504-14252                              | 00000/0000       | 2-20026/1218        | 06/09/76     | 60           | 7026                  | 31.8                | 208.5                |                       |                      |
| 01030N                      | 7928N             | 2439-13572                              | 00000/0000       | 2-20026/0758        | 06/04/76     | 0            | 6956                  | 32.4                | 201.3                |                       |                      |
| 01030N                      | 0839N             | 2402-10150                              | 00000/0000       | 2-20021/0842        | 02/28/76     | 10           | 5601                  | 46.8                | 111.9                |                       |                      |
| 01031N                      | 0840N             | 2366-10155                              | 00000/0000       | 2-20019/0210        | 01/23/76     | 10           | 5099                  | 42.0                | 126.4                |                       |                      |
| 01032N                      | 8045N             | 2457-15062                              | 00000/0000       | 2-20023/0544        | 04/23/76     | 30           | 6371                  | 20.1                | 218.4                |                       |                      |
| 01034N                      | 2553N             | 2369-10280                              | 00000/0000       | 2-20020/0189        | 01/26/76     | 20           | 5141                  | 32.8                | 137.8                |                       |                      |
| 01038N                      | 7935N             | 2464-14035                              | 00000/0000       | 2-20024/0197        | 04/30/76     | 10           | 6468                  | 24.6                | 202.7                |                       |                      |
| 01039N                      | 7742N             | 2431-13122                              | 00000/0000       | 2-20026/0291        | 05/27/76     | 20           | 6844                  | 33.6                | 189.4                |                       |                      |
| 01047N                      | 5543N             | 2395-11042                              | 00000/0000       | 2-20021/0357        | 02/21/76     | 40           | 5504                  | 19.5                | 150.7                |                       |                      |
| 01050N                      | 5004N             | 2393-10545                              | 00000/0000       | 2-20021/0191        | 02/19/76     | 60           | 5476                  | 22.8                | 147.2                |                       |                      |
| 01051N                      | 0713N             | 2366-10161                              | 00000/0000       | 2-20019/0211        | 01/23/76     | 30           | 5099                  | 42.6                | 125.2                |                       |                      |
| 01056N                      | 7838N             | 2495-13345                              | 00000/0000       | 2-20026/0562        | 05/31/76     | 70           | 6900                  | 33.0                | 194.9                |                       |                      |
| 01056N                      | 5253N             | 2394-10594                              | 00000/0000       | 2-20021/0308        | 02/20/76     | 100          | 5490                  | 21.2                | 148.9                |                       |                      |
| 01057N                      | 2427N             | 2369-10282                              | 00000/0000       | 2-20020/0190        | 01/26/76     | 20           | 5141                  | 33.7                | 136.9                |                       |                      |
| 01058N                      | 5250N             | 2376-11001                              | 00000/0000       | 2-20020/0681        | 02/02/76     | 100          | 5239                  | 15.7                | 150.9                |                       |                      |
| 01103N                      | 7738N             | 2545-13110                              | 00000/0000       | 2-20029/0150        | 07/20/76     | 100          | 7597                  | 32.9                | 186.0                |                       |                      |
| 01107N                      | 8006N             | 2540-14243                              | 00000/0000       | 2-20028/1402        | 07/15/76     | 10           | 7528                  | 30.5                | 205.9                |                       |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-UB  
FRS# 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01110W 7924N                            | 2535-13562        | 00000/0000 2-20022/1141                            | 07/10/76         | 10                  | 7458            | 32.3         | 198.5        |                                    |                     |                      |                       |                      |
| 01114W 7026S                            | 2397-08263        | 00000/0000 2-20021/0461                            | 02/23/76         | 90                  | 5530            | 16.8         | 72.4         | GGGG                               |                     |                      | 7                     | 2                    |
| 01115W 8010N                            | 2487-14313        | 00000/0000 2-20025/1124                            | 05/23/76         | 80                  | 6789            | 29.3         | 209.8        | GGGG                               |                     |                      | 192                   | 110                  |
| 01115W 1134N                            | 2403-10135        | 00000/0000 2-20021/0914                            | 02/29/76         | 0                   | 5615            | 46.3         | 114.5        | GGGG                               |                     |                      | 12                    | 1                    |
| 01117W 1130N                            | 2385-10202        | 00000/0000 2-20021/0886                            | 02/11/76         | 80                  | 5364            | 43.0         | 122.2        | GGGG                               |                     |                      | 216                   | 52                   |
| 01117W 1129N                            | 2367-10204        | 00000/0000 2-20020/0022                            | 01/24/76         | 50                  | 5113            | 40.7         | 128.4        | GGGG                               |                     |                      | 216                   | 52                   |
| 01118W 7750N                            | 2456-13130        | 00000/0000 2-20024/0330                            | 04/22/76         | 10                  | 6356            | 24.4         | 189.7        | GGGG                               |                     |                      | 216                   | 52                   |
| 01119W 2301N                            | 2369-10285        | 00000/0000 2-20020/0191                            | 01/26/76         | 0                   | 5141            | 34.6         | 136.0        | GGGG                               |                     |                      | 250                   | 4                    |
| 01123W 5702N                            | 2378-11102        | 00000/0000 2-20020/0951                            | 02/04/76         | 60                  | 5267            | 13.1         | 153.2        | GGGG                               |                     |                      | 218                   | 44                   |
| 01129W 4840N                            | 2393-10551        | 00000/0000 2-20021/0192                            | 02/19/76         | 30                  | 5476            | 23.8         | 146.4        | GGGG                               |                     |                      | 227                   | 20                   |
| 01135W 7749N                            | 2474-13153        | 00000/0000 2-20025/0131                            | 05/10/76         | 70                  | 6607            | 29.8         | 190.2        | GGGG                               |                     |                      | 224                   | 26                   |
| 01135W 5419N                            | 2395-11050        | 00000/0000 2-20021/0373                            | 02/21/76         | 80                  | 5504            | 20.5         | 149.7        | GGGG                               |                     |                      | 251                   | 4                    |
| 01135W 1007N                            | 2403-10202        | 00000/0000 2-20021/0915                            | 02/29/76         | 0                   | 5615            | 46.7         | 113.0        | GGGG                               |                     |                      | 226                   | 22                   |
| 01137W 2718N                            | 2388-10325        | 00000/0000 2-20020/1524                            | 02/14/76         | 50                  | 5406            | 35.9         | 133.8        | GGGG                               |                     |                      | 216                   | 53                   |
| 01137W 1004N                            | 2367-10211        | 00000/0000 2-20020/0023                            | 01/24/76         | 10                  | 5113            | 41.4         | 127.2        | GGGG                               |                     |                      | 219                   | 41                   |
| 01137W 1004N                            | 2385-10205        | 00000/0000 2-20021/0087                            | 02/11/76         | 70                  | 5364            | 43.5         | 120.9        | GGGG                               |                     |                      | 216                   | 53                   |
| 01139W 5128N                            | 2394-11031        | 00000/0000 2-20021/0309                            | 02/20/76         | 100                 | 5490            | 22.2         | 148.0        | GGGG                               |                     |                      | 216                   | 53                   |
| 01140W 8012N                            | 2559-14294        | 00000/0000 2-20030/0748                            | 08/03/76         | 90                  | 7793            | 26.3         | 206.3        | GGGG                               |                     |                      | 225                   | 24                   |
| 01141W 5125N                            | 2376-11033        | 00000/0000 2-20020/0682                            | 02/02/76         | 90                  | 5239            | 16.8         | 150.2        | GGGG                               |                     |                      | 213                   | 1                    |
| 01142W 2135N                            | 2369-10291        | 00000/0000 2-20020/0192                            | 01/26/76         | 0                   | 5141            | 35.5         | 135.1        | GGGG                               |                     |                      | 225                   | 24                   |
| 01151W 7842N                            | 2478-13410        | 2-20025/1263 2-20025/0381                          | 05/14/76         | 70                  | 6653            | 29.7         | 195.8        | GGGG                               |                     |                      | 218                   | 45                   |
| 01155W 7936N                            | 2465-14033        | 00000/0000 2-20024/1116                            | 05/01/76         | 10                  | 6482            | 24.9         | 202.9        | GGGG                               |                     |                      | 3                     | 3                    |
| 01156W 0841N                            | 2403-10204        | 00000/0000 2-20021/0916                            | 02/29/76         | 0                   | 5615            | 47.0         | 111.5        | GGGG                               |                     |                      | 8                     | 2                    |
| 01158W 7926N                            | 2500-14030        | 00000/0000 2-20026/0859                            | 06/05/76         | 80                  | 6970            | 32.6         | 201.2        | GGGG                               |                     |                      | 216                   | 54                   |
| 01158W 0837N                            | 2367-10213        | 00000/0000 2-20020/0024                            | 01/24/76         | 10                  | 5113            | 42.1         | 126.0        | GGGG                               |                     |                      | 8                     | 2                    |
| 01201W 2553N                            | 2388-10332        | 00000/0000 2-20020/1525                            | 02/14/76         | 50                  | 5406            | 36.7         | 132.8        | GGGG                               |                     |                      | 216                   | 54                   |
| 01203W 2009N                            | 2369-10234        | 00000/0000 2-20020/0193                            | 01/26/76         | 0                   | 5141            | 36.3         | 134.2        | GGGG                               |                     |                      | 219                   | 42                   |
| 01204W 6909S                            | 2399-08373        | 00000/0000 2-20021/0571                            | 02/25/76         | 90                  | 5558            | 17.1         | 70.6         | GGGG                               |                     |                      | 218                   | 46                   |
| 01211W 7741N                            | 2492-13131        | 00000/0000 2-20026/0346                            | 05/28/76         | 10                  | 6858            | 33.7         | 189.3        | GGGG                               |                     |                      | 194                   | 109                  |
| 01214W 5538N                            | 2378-11104        | 00000/0000 2-20020/0952                            | 02/04/76         | 80                  | 5267            | 14.2         | 152.3        | GGGG                               |                     |                      | 251                   | 4                    |
| 01216W 0715N                            | 2403-10211        | 00000/0000 2-20021/0917                            | 02/29/76         | 10                  | 5615            | 47.3         | 109.9        | GGGG                               |                     |                      | 227                   | 21                   |
| 01217W 7929N                            | 2536-14020        | 00000/0000 2-20028/1327                            | 07/11/76         | 20                  | 7472            | 32.2         | 198.7        | GGGG                               |                     |                      | 216                   | 55                   |
| 01218W 5004N                            | 2394-11033        | 00000/0000 2-20021/0310                            | 02/20/76         | 100                 | 5490            | 23.2         | 147.1        | GGGG                               |                     |                      | 8                     | 2                    |
| 01218W 0710N                            | 2367-10220        | 00000/0000 2-20020/0025                            | 01/24/76         | 30                  | 5113            | 42.7         | 124.8        | GGGG                               |                     |                      | 225                   | 25                   |
| 01220W 5255N                            | 2395-11052        | 00000/0000 2-20021/0374                            | 02/21/76         | 90                  | 5504            | 21.5         | 148.8        | GGGG                               |                     |                      | 216                   | 55                   |
|                                         |                   |                                                    |                  |                     |                 |              |              | GGGG                               |                     |                      | 226                   | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO.,<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01221N                                  | 5001N             | 2376-11010                                         | 00000/0000       | 2-20020/0683        | 02/02/76        | 90           | 5239         | 17.8                               | 149.4               | GGGG                 | 225                   | 25                   |
| 01223N                                  | 2427N             | 2358-10334                                         | 00000/0000       | 2-20020/1526        | 02/14/76        | 30           | 5406         | 37.5                               | 131.8               | GGGG                 | 219                   | 43                   |
| 01225N                                  | 1843N             | 2369-10330                                         | 00000/0000       | 2-20020/0194        | 01/26/76        | 10           | 5141         | 37.1                               | 133.2               | GGGG                 | 218                   | 47                   |
| 01230N                                  | 5940N             | 2380-11210                                         | 00000/0000       | 2-20020/1111        | 02/06/76        | 80           | 5295         | 11.7                               | 154.7               | GFGF                 | 229                   | 18                   |
| 01234N                                  | 7838N             | 2496-13403                                         | 00000/0000       | 2-20026/0537        | 06/01/76        | 30           | 6914         | 33.2                               | 194.8               | GGGG                 | 4                     | 3                    |
| 01235N                                  | 7932N             | 2483-14091                                         | 00000/0000       | 2-20025/0838        | 05/19/76        | 90           | 6733         | 29.6                               | 202.6               | GGGG                 | 8                     | 2                    |
| 01239N                                  | 7751N             | 2457-13244                                         | 00000/0000       | 2-20023/0543        | 04/23/76        | 20           | 6370         | 24.7                               | 189.9               | GFFG                 | 251                   | 4                    |
| 01246N                                  | 2300N             | 2388-10341                                         | 00000/0000       | 2-20020/1527        | 02/14/76        | 10           | 5406         | 38.3                               | 130.7               | GFFG                 | 219                   | 44                   |
| 01246N                                  | 1716N             | 2369-10303                                         | 00000/0000       | 2-20020/0195        | 01/26/76        | 30           | 5141         | 37.9                               | 132.2               | GGGG                 | 218                   | 48                   |
| 01256N                                  | 4840N             | 2394-11010                                         | 00000/0000       | 2-20021/0311        | 02/20/76        | 90           | 5490         | 24.2                               | 146.2               | GGGG                 | 225                   | 26                   |
| 01258N                                  | 8011N             | 2488-14372                                         | 00000/0000       | 2-20026/0020        | 05/24/76        | 60           | 6803         | 29.5                               | 209.7               | FGGG                 | 13                    | 1                    |
| 01259N                                  | 4837N             | 2376-11012                                         | 00000/0000       | 2-20020/0684        | 02/02/76        | 100          | 5239         | 18.8                               | 148.7               | FGGG                 | 225                   | 26                   |
| 01301N                                  | 1005N             | 2404-10260                                         | 00000/0000       | 2-20021/0984        | 03/01/76        | 10           | 5629         | 46.9                               | 112.5               | GGGG                 | 217                   | 53                   |
| 01302N                                  | 5132N             | 2395-11055                                         | 00000/0000       | 2-20021/0375        | 02/21/76        | 100          | 5504         | 22.5                               | 147.9               | GGGG                 | 226                   | 24                   |
| 01302N                                  | 2717N             | 2389-10384                                         | 00000/0000       | 2-20020/1591        | 02/15/76        | 20           | 5420         | 36.2                               | 133.5               | GFGF                 | 220                   | 41                   |
| 01303N                                  | 5415N             | 2378-11111                                         | 00000/0000       | 2-20020/0953        | 02/04/76        | 90           | 5267         | 15.2                               | 151.5               | GGGG                 | 227                   | 22                   |
| 01307N                                  | 1550N             | 2369-10305                                         | 00000/0000       | 2-20020/0196        | 01/26/76        | 70           | 5141         | 38.7                               | 131.1               | GGGG                 | 218                   | 49                   |
| 01308N                                  | 2135N             | 2388-10343                                         | 00000/0000       | 2-20020/1534        | 02/14/76        | 10           | 5406         | 39.0                               | 129.6               | GG G                 | 219                   | 45                   |
| 01317N                                  | 7844N             | 2479-13464                                         | 00000/0000       | 2-20025/0599        | 05/15/76        | 60           | 6677         | 29.9                               | 196.0               | GGGG                 | 4                     | 3                    |
| 01321N                                  | 5839N             | 2404-10264                                         | 00000/0000       | 2-20021/0985        | 03/01/76        | 10           | 5629         | 47.2                               | 110.9               | GGGG                 | 217                   | 54                   |
| 01322N                                  | 7936N             | 2466-14152                                         | 00000/0000       | 2-20024/1191        | 05/02/76        | 30           | 6496         | 25.2                               | 202.9               | FGGG                 | 9                     | 2                    |
| 01322N                                  | 2551N             | 2371-10393                                         | 00000/0000       | 2-20020/0440        | 01/28/76        | 0            | 5169         | 33.2                               | 137.3               | GGGG                 | 220                   | 42                   |
| 01323N                                  | 7929N             | 2555-14071                                         | 00000/0000       | 2-20030/0477        | 07/30/76        | 90           | 7737         | 28.4                               | 198.6               | GGGG                 | 9                     | 2                    |
| 01326N                                  | 2552N             | 2389-10390                                         | 00000/0000       | 2-20020/1592        | 02/15/76        | 40           | 5420         | 37.0                               | 132.5               | GGGG                 | 220                   | 42                   |
| 01327N                                  | 5817N             | 2380-11212                                         | 00000/0000       | 2-20020/1112        | 02/06/76        | 90           | 5295         | 12.7                               | 153.8               | FGGF                 | 229                   | 19                   |
| 01328N                                  | 1424N             | 2369-10312                                         | 00000/0000       | 2-20020/0197        | 01/26/76        | 30           | 5141         | 39.4                               | 130.0               | GGGG                 | 218                   | 50                   |
| 01329N                                  | 2009N             | 2388-10350                                         | 00000/0000       | 2-20020/1535        | 02/14/76        | 0            | 5406         | 39.7                               | 128.4               | GGGG                 | 219                   | 46                   |
| 01334N                                  | 8007N             | 2506-14365                                         | 00000/0000       | 2-20026/1808        | 06/11/76        | 10           | 7054         | 32.0                               | 208.2               | GGGG                 | 14                    | 1                    |
| 01336N                                  | 7927N             | 2501-14084                                         | 00000/0000       | 2-20026/1161        | 06/06/76        | 90           | 6984         | 32.7                               | 201.0               | GGGG                 | 9                     | 2                    |
| 01338N                                  | 7742N             | 2493-13235                                         | 00000/0000       | 2-20024/0456        | 05/29/76        | 10           | 6872         | 33.9                               | 159.2               | GGGG                 | 1                     | 4                    |
| 01343N                                  | 5007N             | 2395-11061                                         | 00000/0000       | 2-20021/0376        | 02/21/76        | 100          | 5504         | 23.5                               | 147.0               | GGGG                 | 226                   | 25                   |
| 01345N                                  | 2425N             | 2371-10395                                         | 00000/0000       | 2-20020/0441        | 01/28/76        | 0            | 5169         | 34.1                               | 136.4               | FGGG                 | 220                   | 43                   |
| 01347N                                  | 7838N             | 2497-13461                                         | 00000/0000       | 2-20026/0152        | 06/02/76        | 20           | 6928         | 33.3                               | 194.9               | GGGG                 | 5                     | 3                    |
| 01348N                                  | 5251N             | 2378-11113                                         | 00000/0000       | 2-20020/0954        | 02/04/76        | 100          | 5267         | 16.2                               | 150.7               | GGGG                 | 227                   | 23                   |
| 01349N                                  | 2427N             | 2389-10393                                         | 00000/0000       | 2-20020/1593        | 02/15/76        | 10           | 5420         | 37.8                               | 131.4               | GGGG                 | 220                   | 43                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01350N 1843N                            | 2388-10352        | 00000/0000                   | 2-20020/1536               | 02/14/76         | 0                   | 5406            | 40.4         | 127.3        | GGGG                               |                     |                      | 219                   | 47                   |
| 01354N 7738N                            | 2547-13222        | 00000/0000                   | 2-20030/0106               | 07/22/76         | 50                  | 7625            | 32.5         | 185.9        | GGGG                               |                     |                      | 1                     | 4                    |
| 01357W 8008N                            | 2542-14355        | 00000/0000                   | 2-20028/1751               | 07/17/76         | 90                  | 7556            | 30.1         | 205.9        | GGGG                               |                     |                      | 14                    | 1                    |
| 01359N 7924N                            | 2537-14074        | 00000/0000                   | 2-20026/1274               | 07/12/76         | 10                  | 7486            | 32.0         | 198.5        | GGGG                               |                     |                      | 9                     | 2                    |
| 01359N 7753N                            | 2458-13303        | 00000/0000                   | 2-20024/0484               | 04/24/76         | 0                   | 6384            | 25.0         | 190.0        | GGGG                               |                     |                      | 1                     | 4                    |
| 01403W 7026S                            | 2399-08380        | 00000/0000                   | 2-20021/0572               | 02/25/76         | 60                  | 5558            | 16.1         | 72.1         | GGFG                               |                     |                      | 194                   | 110                  |
| 01408N 8011N                            | 2439-14430        | 00000/0000                   | 2-20026/0087               | 05/25/76         | 90                  | 6817            | 29.7         | 209.9        | GGFG                               |                     |                      | 14                    | 1                    |
| 01409N 7931N                            | 2484-14145        | 00000/0000                   | 2-20025/0973               | 05/20/76         | 20                  | 6747            | 29.9         | 202.5        | GGGF                               |                     |                      | 9                     | 2                    |
| 01410N 7735N                            | 2529-13225        | 00000/0000                   | 2-20028/0624               | 07/04/76         | 20                  | 7374            | 35.2         | 186.4        | GGGG                               |                     |                      | 1                     | 4                    |
| 01411W 2300N                            | 2389-10395        | 00000/0000                   | 2-20020/1594               | 02/15/76         | 10                  | 5420            | 38.5         | 130.4        | GGFG                               |                     |                      | 220                   | 44                   |
| 01412W 1716N                            | 2358-10355        | 00000/0000                   | 2-20020/1537               | 02/14/76         | 10                  | 5406            | 41.1         | 126.1        | GGGG                               |                     |                      | 219                   | 48                   |
| 01419N 7846N                            | 2462-13525        | 00000/0000                   | 2-20024/0865               | 04/28/76         | 10                  | 6440            | 25.2         | 195.8        | GGGG                               |                     |                      | 5                     | 3                    |
| 01424N 7748N                            | 2476-13300        | 00000/0000                   | 2-20025/0088               | 05/12/76         | 20                  | 6635            | 30.3         | 190.2        | GGGG                               |                     |                      | 1                     | 4                    |
| 01431W 2133N                            | 2371-10404        | 00000/0000                   | 2-20020/0442               | 01/28/76         | 20                  | 5169            | 35.8         | 134.6        | GGGG                               |                     |                      | 220                   | 45                   |
| 01434W 2134N                            | 2389-10402        | 00000/0000                   | 2-20020/1595               | 02/15/76         | 0                   | 5420            | 39.3         | 129.2        | GGGG                               |                     |                      | 220                   | 45                   |
| 01436W 6649N                            | 2476-11503        | 00000/0000                   | 2-20025/0082               | 05/12/76         | 40                  | 6634            | 40.3         | 160.0        | GGGG                               |                     |                      | 233                   | 13                   |
| 01440W 7842N                            | 2430-13522        | 00000/0000                   | 2-20025/0528               | 05/16/76         | 60                  | 6691            | 30.1         | 195.9        | GGGG                               |                     |                      | 5                     | 3                    |
| 01443N 6647N                            | 2494-11500        | 00000/0000                   | 2-20026/0473               | 05/30/76         | 80                  | 6885            | 43.9         | 158.6        | GGGG                               |                     |                      | 235                   | 13                   |
| 01453N 2007N                            | 2371-10411        | 00000/0000                   | 2-20020/0443               | 01/28/76         | 80                  | 5169            | 36.6         | 133.6        | GGGG                               |                     |                      | 220                   | 46                   |
| 01455W 2008N                            | 2359-10404        | 00000/0000                   | 2-20020/1596               | 02/15/76         | 0                   | 5420            | 40.0         | 128.1        | GGGG                               |                     |                      | 220                   | 46                   |
| 01458N 8014N                            | 2472-14491        | 00000/0000                   | 2-20025/0050               | 05/08/76         | 20                  | 6580            | 25.8         | 210.3        | P GF                               |                     |                      | 15                    | 1                    |
| 01500W 7926N                            | 2502-14142        | 00000/0000                   | 2-20026/0939               | 06/07/76         | 30                  | 6998            | 32.8         | 200.9        | GGGG                               |                     |                      | 10                    | 2                    |
| 01507W 8007N                            | 2507-14423        | 00000/0000                   | 2-20026/1139               | 06/12/76         | 40                  | 7068            | 32.1         | 208.0        | GFGG                               |                     |                      | 15                    | 1                    |
| 01516W 1841N                            | 2389-10411        | 00000/0000                   | 2-20020/1597               | 02/15/76         | 0                   | 5420            | 40.6         | 126.9        | GGGG                               |                     |                      | 220                   | 47                   |
| 01522W 7838N                            | 2498-13520        | 00000/0000                   | 2-20026/1192               | 06/03/76         | 0                   | 6942            | 33.4         | 194.8        | GGGG                               |                     |                      | 6                     | 3                    |
| 01532N 7736N                            | 2530-13284        | 00000/0000                   | 2-20028/0781               | 07/05/76         | 10                  | 7388            | 35.1         | 186.5        | GGGG                               |                     |                      | 2                     | 4                    |
| 01537W 7751N                            | 2459-13361        | 00000/0000                   | 2-20024/0283               | 04/25/76         | 0                   | 6398            | 25.3         | 189.9        | GGGG                               |                     |                      | 2                     | 4                    |
| 01537W 1715N                            | 2389-10413        | 00000/0000                   | 2-20020/1598               | 02/15/76         | 0                   | 5420            | 41.3         | 125.7        | GGGG                               |                     |                      | 220                   | 48                   |
| 01538N 7930N                            | 2485-14203        | 00000/0000                   | 2-20025/1019               | 05/21/76         | 10                  | 6761            | 30.1         | 202.4        | GGFF                               |                     |                      | 10                    | 2                    |
| 01544W 8011N                            | 2430-14484        | 00000/0000                   | 2-20028/0006               | 05/26/76         | 30                  | 6831            | 29.9         | 209.7        | GGGG                               |                     |                      | 15                    | 1                    |
| 01558W 1548N                            | 2389-10420        | 00000/0000                   | 2-20020/1599               | 02/15/76         | 10                  | 5420            | 41.9         | 124.5        | GGGG                               |                     |                      | 220                   | 49                   |
| 01559W 6651N                            | 2477-11561        | 00000/0000                   | 2-20025/0292               | 05/13/76         | 90                  | 6648            | 40.5         | 160.0        | GGGG                               |                     |                      | 236                   | 13                   |
| 01559W 2132N                            | 2390-10460        | 00000/0000                   | 2-20020/1430               | 02/16/76         | 0                   | 5434            | 39.5         | 128.9        | FFF                                |                     |                      | 221                   | 45                   |
| 01600W 7747N                            | 2477-13354        | 00000/0000                   | 2-20025/0589               | 05/13/76         | 10                  | 6649            | 30.6         | 190.1        | GGGG                               |                     |                      | 3                     | 4                    |
| 01602N 6536N                            | 2440-11515        | 00000/0000                   | 2-20022/1448               | 04/06/76         | 90                  | 6132            | 29.6         | 158.8        | GGGG                               |                     |                      | 235                   | 14                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN RLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------------------|-------------------|---------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01605N 7408S                            | 2395-08162        | 00000/0000 2-20021/0294                           | 02/21/76         | 50                  | 5502            | 14.4         | 78.9         |                                    |                     |                      |                       |                      |
| 01606N 6529N                            | 2476-11505        | 00000/0000 2-20025/0083                           | 05/12/76         | 60                  | 6634            | 41.4         | 157.9        | GGGG                               |                     |                      | 190                   | 113                  |
| 01611N 6526N                            | 2494-11503        | 00000/0000 2-20026/0474                           | 05/30/76         | 10                  | 6885            | 44.9         | 156.4        | GGGG                               |                     |                      | 235                   | 14                   |
| 01611N 2017N                            | 2444-10445        | 00000/0000 2-20022/1761                           | 04/10/76         | 20                  | 6187            | 53.8         | 104.6        | GGGG                               |                     |                      | 235                   | 14                   |
| 01612N 2016N                            | 2462-10441        | 00000/0000 2-20024/1262                           | 04/28/76         | 10                  | 6438            | 56.6         | 94.8         | GGGG                               |                     |                      | 221                   | 46                   |
| 01613N 6645N                            | 2495-11554        | 00000/0000 2-20024/0557                           | 05/31/76         | 90                  | 6899            | 44.0         | 158.5        | GGGG                               |                     |                      | 221                   | 46                   |
| 01614N 7937N                            | 2468-14264        | 00000/0000 2-20024/1463                           | 05/04/76         | 50                  | 6524            | 25.8         | 203.0        | GGGG                               |                     |                      | 236                   | 13                   |
| 01618N 7141S                            | 2399-08382        | 00000/0000 2-20021/0573                           | 02/25/76         | 50                  | 5558            | 15.1         | 73.8         | GGFG                               |                     |                      | 11                    | 2                    |
| 01619N 1422N                            | 2389-10422        | 00000/0000 2-20020/1600                           | 02/15/76         | 10                  | 5420            | 42.5         | 123.2        | GGGG                               |                     |                      | 194                   | 111                  |
| 01620N 2006N                            | 2390-10463        | 00000/0000 2-20020/1431                           | 02/16/76         | 0                   | 5434            | 40.2         | 127.7        | GGGG                               |                     |                      | 220                   | 50                   |
| 01621N 7842N                            | 2481-13541        | 00000/0000 2-20025/0732                           | 05/17/76         | 100                 | 6705            | 30.4         | 195.8        | GGGG                               |                     |                      | 221                   | 46                   |
| 01625N 7741N                            | 2495-13351        | 00000/0000 2-20026/0959                           | 06/08/76         | 80                  | 7012            | 32.9         | 200.8        | GGGG                               |                     |                      | 7                     | 3                    |
| 01629N 7925N                            | 2503-14201        | 00000/0000 2-20022/1762                           | 04/10/76         | 10                  | 6187            | 53.9         | 102.5        | GGGG                               |                     |                      | 11                    | 2                    |
| 01633N 1851N                            | 2444-10451        | 00000/0000 2-20024/1263                           | 04/28/76         | 10                  | 6438            | 56.5         | 92.5         | GGGG                               |                     |                      | 221                   | 47                   |
| 01633N 1850N                            | 2462-10444        | 00000/0000 2-20022/0428                           | 03/23/76         | 60                  | 5936            | 49.9         | 111.8        | GGGG                               |                     |                      | 221                   | 47                   |
| 01637N 1848N                            | 2426-10455        | 00000/0000 2-20020/1432                           | 02/16/76         | 0                   | 5434            | 40.9         | 126.6        | GGFF                               |                     |                      | 221                   | 47                   |
| 01641N 1840N                            | 2390-10465        | 00000/0000 2-20026/1590                           | 06/13/76         | 70                  | 7082            | 32.1         | 207.8        | GGFG                               |                     |                      | 14                    | 1                    |
| 01642N 8006N                            | 2508-14482        | 00000/0000 2-20026/0759                           | 06/04/76         | 10                  | 6956            | 33.6         | 194.6        | GGGG                               |                     |                      | 7                     | 3                    |
| 01650N 7838N                            | 2499-13574        | 00000/0000 2-20023/0016                           | 04/11/76         | 20                  | 6201            | 53.6         | 108.2        | GGGG                               |                     |                      | 222                   | 44                   |
| 01653N 2312N                            | 2445-10494        | 00000/0000 2-20030/0078                           | 07/24/76         | 90                  | 7653            | 32.1         | 185.9        | GGFG                               |                     |                      | 3                     | 4                    |
| 01654N 7738N                            | 2549-13335        | 00000/0000 2-20024/0991                           | 04/29/76         | 30                  | 6452            | 56.9         | 98.9         | GGGG                               |                     |                      | 222                   | 44                   |
| 01654N 2307N                            | 2463-10491        | 00000/0000 2-20022/0578                           | 03/24/76         | 10                  | 5950            | 49.1         | 116.6        | GGGG                               |                     |                      | 221                   | 48                   |
| 01657N 2309N                            | 2427-10501        | 00000/0000 2-20020/1433                           | 02/16/76         | 10                  | 5434            | 41.5         | 125.3        | GFFF                               |                     |                      | 11                    | 2                    |
| 01703N 1714N                            | 2390-10472        | 00000/0000 2-20025/1073                           | 05/22/76         | 10                  | 6775            | 30.3         | 202.3        | FGGG                               |                     |                      | 7                     | 3                    |
| 01709N 7930N                            | 2486-14262        | 00000/0000 2-20024/0198                           | 04/30/76         | 10                  | 6468            | 25.8         | 196.0        | FGGF                               |                     |                      | 222                   | 45                   |
| 01709N 7846N                            | 2484-14042        | 00000/0000 2-20023/0017                           | 04/11/76         | 80                  | 6201            | 53.8         | 106.2        | GGGG                               |                     |                      | 222                   | 45                   |
| 01714N 2145N                            | 2445-10500        | 00000/0000 2-20024/0992                           | 04/29/76         | 60                  | 6452            | 56.8         | 96.5         | GGGG                               |                     |                      | 222                   | 45                   |
| 01716N 2141N                            | 2463-10493        | 00000/0000 2-20022/0579                           | 03/24/76         | 20                  | 5950            | 49.5         | 114.8        | GGGG                               |                     |                      | 222                   | 45                   |
| 01719N 2142N                            | 2427-10504        | 00000/0000 2-20022/1449                           | 04/06/76         | 80                  | 6132            | 30.6         | 157.1        | GGGG                               |                     |                      | 235                   | 15                   |
| 01723N 6415N                            | 2440-11522        | 00000/0000 2-20020/1434                           | 02/16/76         | 10                  | 5434            | 42.1         | 124.1        | GGFF                               |                     |                      | 221                   | 49                   |
| 01723N 1548N                            | 2390-10474        | 00000/0000 2-20025/0382                           | 05/14/76         | 50                  | 6663            | 30.8         | 190.0        | GGGG                               |                     |                      | 4                     | 4                    |
| 01725N 7745N                            | 2478-13412        | 00000/0000 2-20028/1142                           | 07/10/76         | 10                  | 7458            | 33.4         | 191.9        | GGGG                               |                     |                      | 7                     | 3                    |
| 01726N 7833N                            | 2535-13564        | 00000/0000 2-20025/0084                           | 05/12/76         | 50                  | 6634            | 42.4         | 155.8        | GGGG                               |                     |                      | 235                   | 15                   |
| 01727N 6408N                            | 2476-11512        | 00000/0000 2-20025/0585                           | 05/13/76         | 100                 | 6648            | 41.6         | 157.9        | GGGG                               |                     |                      | 236                   | 14                   |
| 01729N 5531N                            | 2477-11563        |                                                   |                  |                     |                 |              |              |                                    |                     |                      |                       |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | RBV                                     |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 01731W                      | 6405N             | 2494-115J5                              | 00000/0000       | 2-20026/0475        | 05/30/76        | 60           | 6885         | 45.9                  | 154.2               |                      |                       |                      |
| 01736W                      | 6644N             | 2496-12013                              | 00000/0000       | 2-20026/0532        | 06/01/76        | 10           | 6913         | 44.2                  | 158.4               | GGGG                 | 235                   | 15                   |
| 01736W                      | 2018N             | 2445-10503                              | 00000/0000       | 2-20023/0018        | 04/11/76        | 90           | 6201         | 54.0                  | 104.1               | GGGG                 | 237                   | 13                   |
| 01741W                      | 6524N             | 2475-11561                              | 00000/0000       | 2-20026/0558        | 05/31/76        | 20           | 6899         | 45.0                  | 156.2               | GGGG                 | 222                   | 46                   |
| 01741W                      | 2015N             | 2427-10510                              | 00000/0000       | 2-20022/0580        | 03/24/76        | 20           | 5950         | 49.8                  | 113.1               | GGGG                 | 236                   | 14                   |
| 01743W                      | 7936V             | 2469-14322                              | 00000/0000       | 2-20024/1437        | 05/05/76        | 20           | 6538         | 26.1                  | 203.0               | GGGG                 | 222                   | 46                   |
| 01746W                      | 6639N             | 2514-12010                              | 00000/0000       | 2-20026/1852        | 06/19/76        | 100          | 7164         | 45.4                  | 156.6               | GGGF                 | 12                    | 2                    |
| 01747W                      | 7927N             | 2504-14255                              | 00000/0000       | 2-20026/1219        | 06/09/76        | 50           | 7026         | 32.9                  | 200.9               | GGGG                 | 237                   | 13                   |
| 01749W                      | 8013N             | 2474-15003                              | 00000/0000       | 2-20025/0132        | 05/10/76        | 30           | 6608         | 26.3                  | 210.4               | GGGG                 | 12                    | 2                    |
| 01758W                      | 1852N             | 2445-10505                              | 00000/0000       | 2-20023/0019        | 04/11/76        | 90           | 6201         | 54.1                  | 102.0               | GGGG                 | 17                    | 1                    |
| 01759W                      | 7739V             | 2478-13413                              | 2-20027/059J     | 00000/0000          | 05/14/76        | 10           | 6663         | 31.0                  | 189.4               | GGGG                 | 222                   | 47                   |
| 01802W                      | 7741V             | 2436-13410                              | 00000/0000       | 2-20026/0538        | 06/01/76        | 10           | 6914         | 34.3                  | 189.0               | GGGG                 | 4                     | 4                    |
| 01803W                      | 1849V             | 2427-10513                              | 00000/0000       | 2-20022/0581        | 03/24/76        | 40           | 5950         | 50.1                  | 111.3               | GFGG                 | 222                   | 47                   |
| 01815W                      | 7836N             | 2500-14032                              | 00000/0000       | 2-20026/0860        | 06/05/76        | 50           | 6970         | 33.7                  | 194.5               | GGGG                 | 8                     | 3                    |
| 01816W                      | 7924N             | 2540-14245                              | 00000/0000       | 2-20028/1403        | 07/15/76        | 10           | 7528         | 31.6                  | 198.3               | GGGG                 | 12                    | 2                    |
| 01820W                      | 2311N             | 2446-10552                              | 00000/0000       | 2-20022/1853        | 04/12/76        | 90           | 6215         | 53.9                  | 107.7               | GGGG                 | 223                   | 44                   |
| 01821W                      | 8006N             | 2527-14533                              | 00000/0000       | 2-20024/0684        | 07/02/76        | 20           | 7347         | 32.0                  | 206.4               | GFGG                 | 17                    | 1                    |
| 01821W                      | 2310N             | 2428-10555                              | 00000/0000       | 2-20022/0609        | 03/25/76        | 60           | 5964         | 49.3                  | 116.2               | GGG                  | 223                   | 44                   |
| 01821W                      | 2310V             | 2464-10545                              | 00000/0000       | 2-20024/1213        | 04/30/76        | 10           | 6466         | 57.0                  | 98.4                | GFGG                 | 223                   | 44                   |
| 01825W                      | 7751V             | 2451-13473                              | 00000/0000       | 2-20024/0578        | 04/27/76        | 10           | 6426         | 26.0                  | 190.1               | GGGG                 | 4                     | 4                    |
| 01828W                      | 7848N             | 2465-14130                              | 00000/0000       | 2-20024/1072        | 05/01/76        | 10           | 6482         | 26.0                  | 196.2               | GGGG                 | 8                     | 3                    |
| 01842W                      | 2144V             | 2464-10551                              | 00000/0000       | 2-20024/1214        | 04/30/76        | 10           | 6466         | 57.0                  | 96.1                | GFGG                 | 223                   | 45                   |
| 01843W                      | 2144V             | 2428-10562                              | 00000/0000       | 2-20022/0610        | 03/25/76        | 60           | 5964         | 49.7                  | 114.4               | FGGG                 | 223                   | 45                   |
| 01843W                      | 2144V             | 2446-10555                              | 00000/0000       | 2-20022/1854        | 04/12/76        | 90           | 6215         | 54.1                  | 105.6               | GGGG                 | 223                   | 46                   |
| 01845W                      | 6243N             | 2434-11512                              | 00000/0000       | 2-20026/0476        | 05/30/76        | 50           | 6885         | 46.9                  | 152.0               | GGGG                 | 235                   | 16                   |
| 01847W                      | 8009V             | 2432-15031                              | 00000/0000       | 2-20026/0387        | 05/28/76        | 20           | 6859         | 30.3                  | 209.4               | GGGF                 | 13                    | 1                    |
| 01850W                      | 7748V             | 2479-13471                              | 00000/0000       | 2-20025/0600        | 05/15/76        | 40           | 6677         | 31.0                  | 190.1               | GGGG                 | 5                     | 4                    |
| 01901W                      | 7930V             | 2559-14300                              | 00000/0000       | 2-20030/0749        | 08/03/76        | 90           | 7793         | 27.4                  | 198.7               | GGGG                 | 13                    | 2                    |
| 01901W                      | 7842N             | 2483-14093                              | 00000/0000       | 2-20025/0839        | 05/19/76        | 80           | 6733         | 30.8                  | 195.9               | FGGG                 | 8                     | 3                    |
| 01901W                      | 6403N             | 2495-11563                              | 00000/0000       | 2-20026/0559        | 05/31/76        | 40           | 6899         | 46.0                  | 154.0               | GGGG                 | 236                   | 15                   |
| 01904W                      | 2018N             | 2464-10554                              | 00000/0000       | 2-20024/0190        | 04/30/76        | 30           | 6466         | 56.8                  | 93.7                | GGGG                 | 223                   | 46                   |
| 01905W                      | 2017V             | 2428-10564                              | 00000/0000       | 2-20022/0611        | 03/25/76        | 90           | 5964         | 50.1                  | 112.6               | GGGG                 | 223                   | 46                   |
| 01905W                      | 2017V             | 2446-10561                              | 00000/0000       | 2-20022/1855        | 04/12/76        | 90           | 6215         | 54.2                  | 103.5               | GGGG                 | 223                   | 46                   |
| 01915W                      | 7742V             | 2497-13464                              | 00000/0000       | 2-20026/0153        | 06/02/76        | 10           | 6928         | 34.5                  | 189.0               | GGGG                 | 5                     | 4                    |
| 01915W                      | 6519V             | 2514-12012                              | 00000/0000       | 2-20026/1853        | 06/19/76        | 80           | 7164         | 46.4                  | 154.3               | GGGG                 | 237                   | 14                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 01925W 1851N                            | 2464-10560        | 00000/0000 2-20024/0191                        | 04/30/76         | 20                  | 6466            | 56.7         | 91.4         |                                    |                     |                      |                       |                      |
| 01927W 1851N                            | 2428-10571        | 00000/0000 2-20022/0612                        | 03/25/76         | 90                  | 5964            | 50.4         | 110.8        | FFGG                               |                     | H                    | 223                   | 47                   |
| 01927W 1850N                            | 2446-10564        | 00000/0000 2-20022/1856                        | 04/12/76         | 80                  | 6215            | 54.3         | 101.4        | GFGG                               |                     | H                    | 223                   | 47                   |
| 01928W 8006N                            | 2524-14591        | 00000/0000 2-20024/0655                        | 07/03/76         | 20                  | 7361            | 31.9         | 206.5        | GGGG                               |                     | H                    | 223                   | 47                   |
| 01933W 8006N                            | 2546-14584        | 00000/0000 2-20029/0073                        | 07/21/76         | 50                  | 7612            | 29.4         | 205.7        | GGGG                               |                     |                      | 18                    | 1                    |
| 01945W 7839N                            | 2555-14074        | 00000/0000 2-20030/0478                        | 07/30/76         | 90                  | 7737            | 29.6         | 191.9        | GGGG                               |                     |                      | 18                    | 1                    |
| 01955W 7837N                            | 2501-14031        | 00000/0000 2-20024/1162                        | 06/06/76         | 80                  | 6984            | 33.8         | 194.4        | GGGG                               |                     |                      | 9                     | 3                    |
| 01956W 7847N                            | 2466-14154        | 00000/0000 2-20024/1222                        | 05/02/76         | 20                  | 6496            | 26.4         | 196.1        | GGGG                               |                     |                      | 9                     | 3                    |
| 01956W 7750N                            | 2462-13530        | 00000/0000 2-20024/0866                        | 04/28/76         | 10                  | 6440            | 26.3         | 190.0        | GG                                 |                     |                      | 9                     | 3                    |
| 02015W 7834N                            | 2537-14081        | 00000/0000 2-20024/1275                        | 07/12/76         | 10                  | 7486            | 33.2         | 191.9        | GGGG                               |                     |                      | 5                     | 4                    |
| 02015W 7746W                            | 2480-13525        | 00000/0000 2-20025/0529                        | 05/16/76         | 40                  | 6691            | 31.3         | 190.0        | GGGG                               |                     |                      | 9                     | 3                    |
| 02020W 8009N                            | 2493-15055        | 00000/0000 2-20026/0457                        | 05/29/76         | 10                  | 6873            | 30.4         | 209.2        | GGGG                               |                     |                      | 6                     | 4                    |
| 02020W 7929N                            | 2488-14374        | 00000/0000 2-20024/0021                        | 05/24/76         | 30                  | 6803            | 30.7         | 202.1        | GGGG                               |                     |                      | 19                    | 1                    |
| 02025W 6403N                            | 2496-12022        | 00000/0000 2-20026/0533                        | 06/01/76         | 30                  | 6913            | 46.2         | 153.9        | GGGG                               |                     |                      | 14                    | 2                    |
| 02035W 7841N                            | 2484-14151        | 00000/0000 2-20025/0974                        | 05/20/76         | 20                  | 6747            | 31.0         | 195.8        | GGGG                               |                     |                      | 237                   | 15                   |
| 02035W 6358N                            | 2514-12015        | 00000/0000 2-20026/1854                        | 06/19/76         | 40                  | 7164            | 47.3         | 152.0        | GGFF                               |                     |                      | 10                    | 3                    |
| 02046W 7925N                            | 2506-14372        | 00000/0000 2-20026/1809                        | 06/11/76         | 10                  | 7054            | 33.1         | 200.6        | GGGG                               |                     |                      | 237                   | 15                   |
| 02049W 7740N                            | 2498-13522        | 00000/0000 2-20024/1193                        | 06/03/76         | 0                   | 6942            | 34.6         | 188.9        | GGGG                               |                     |                      | 14                    | 2                    |
| 02100W 8009N                            | 2547-15042        | 00000/0000 2-20030/0107                        | 07/22/76         | 80                  | 7626            | 29.2         | 205.8        | GGGG                               |                     |                      | 6                     | 4                    |
| 02111W 7925W                            | 2542-14362        | 00000/0000 2-20028/1752                        | 07/17/76         | 90                  | 7556            | 31.2         | 198.3        | GGGG                               |                     |                      | 19                    | 1                    |
| 02122W 8005W                            | 2529-15045        | 00000/0000 2-20028/0626                        | 07/04/76         | 10                  | 7375            | 31.8         | 206.3        | GGGG                               |                     |                      | 14                    | 2                    |
| 02122W 7734W                            | 2516-13520        | 00000/0000 2-20027/0234                        | 06/21/76         | 0                   | 7193            | 35.8         | 187.2        | GGGG                               |                     |                      | 19                    | 1                    |
| 02138W 6241N                            | 2496-12024        | 00000/0000 2-20026/0534                        | 05/01/76         | 90                  | 6913            | 47.2         | 151.8        | GGGG                               |                     |                      | 6                     | 4                    |
| 02147W 6236W                            | 2514-12021        | 00000/0000 2-20026/1855                        | 06/19/76         | 10                  | 7164            | 48.3         | 149.8        | GGGG                               |                     |                      | 237                   | 16                   |
| 02153W 7746N                            | 2481-13583        | 00000/0000 2-20025/0733                        | 05/17/76         | 80                  | 6705            | 31.5         | 189.9        | GGGG                               |                     |                      | 237                   | 16                   |
| 02159W 7937N                            | 2454-14500        | 00000/0000 2-20023/0615                        | 04/20/76         | 60                  | 6329            | 21.4         | 202.3        | GGGG                               |                     |                      | 7                     | 4                    |
| 02204W 7841W                            | 2485-14210        | 00000/0000 2-20025/1020                        | 05/21/76         | 20                  | 6761            | 31.2         | 195.7        | GGGG                               |                     |                      | 15                    | 2                    |
| 02217W 7741N                            | 2499-13581        | 00000/0000 2-20026/0760                        | 06/04/76         | 0                   | 6956            | 34.7         | 188.8        | GGGG                               |                     |                      | 11                    | 3                    |
| 02246W 7751N                            | 2464-14044        | 00000/0000 2-20024/0199                        | 04/30/76         | 0                   | 6468            | 26.9         | 190.1        | GGGG                               |                     |                      | 7                     | 4                    |
| 02248W 7835N                            | 2503-14203        | 00000/0000 2-20026/0990                        | 05/08/76         | 20                  | 7012            | 34.0         | 194.1        | GGGG                               |                     |                      | 7                     | 4                    |
| 02248W 7736N                            | 2535-13571        | 00000/0000 2-20028/1143                        | 07/10/76         | 20                  | 7458            | 34.5         | 186.1        | GGFG                               |                     |                      | 11                    | 3                    |
| 02303W 7930N                            | 2490-14491        | 00000/0000 2-20028/0007                        | 05/26/76         | 20                  | 6831            | 31.0         | 202.1        | GGGG                               |                     |                      | 7                     | 4                    |
| 02342W 7740W                            | 2500-14035        | 00000/0000 2-20026/0861                        | 06/05/76         | 50                  | 6970            | 34.9         | 188.7        | GGGG                               |                     |                      | 16                    | 2                    |
| 02352W 7924W                            | 2508-14484        | 00000/0000 2-20026/1456                        | 06/13/76         | 40                  | 7082            | 33.3         | 200.2        | GGFG                               |                     |                      | 8                     | 4                    |
| 02410W 7737N                            | 2536-14025        | 00000/0000 2-20024/1328                        | 07/11/76         | 60                  | 7472            | 34.4         | 186.2        | GGGG                               |                     |                      | 16                    | 2                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRAIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBV<br>NUM. |
|-----------------------------------------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 02417N                                  | 7847N             | 2469-14325                                     | 00000/0000       | 2-20024/1438        | 05/05/76        | 70           | 6538         | 27.2                               | 196.2               | GGGG                 | 12                    | 3                    |
| 02531N                                  | 7638N             | 2498-13525                                     | 00000/0000       | 2-20026/1194        | 06/03/76        | 0            | 6942         | 35.7                               | 183.8               | FFGG                 | 4                     | 5                    |
| 02541N                                  | 7849N             | 2452-14390                                     | 00000/0000       | 2-20024/0070        | 04/18/76        | 10           | 6301         | 21.8                               | 195.5               | GGGG                 | 13                    | 5                    |
| 02557N                                  | 7631N             | 2516-13522                                     | 00000/0000       | 2-20027/0235        | 06/21/76        | 70           | 7193         | 36.9                               | 182.1               | GGGG                 | 6                     | 5                    |
| 02656N                                  | 7639N             | 2499-13583                                     | 00000/0000       | 2-20026/0761        | 06/04/76        | 0            | 6956         | 35.9                               | 183.7               | GGGG                 | 7                     | 5                    |
| 02736N                                  | 7649N             | 2464-14051                                     | 00000/0000       | 2-20024/0200        | 04/30/76        | 10           | 6468         | 28.1                               | 185.1               | GGGG                 | 7                     | 5                    |
| 02746N                                  | 7829N             | 2524-14371                                     | 00000/0000       | 2-20028/0382        | 06/29/76        | 90           | 7305         | 34.5                               | 192.2               | G                    | 15                    | 5                    |
| 02823N                                  | 7637N             | 2530-14041                                     | 00000/0000       | 2-20026/0862        | 06/05/76        | 90           | 6970         | 36.0                               | 183.6               | FFFG                 | 8                     | 5                    |
| 02832N                                  | 7849N             | 2454-14503                                     | 00000/0000       | 2-20023/0516        | 04/20/76        | 90           | 6329         | 22.5                               | 195.6               | FFGG                 | 15                    | 3                    |
| 02926N                                  | 7840N             | 2490-14493                                     | 00000/0000       | 2-20028/0008        | 05/26/76        | 10           | 6831         | 32.2                               | 195.4               | GGGG                 | 16                    | 3                    |
| 02935N                                  | 7531N             | 2498-13531                                     | 00000/0000       | 2-20026/1195        | 06/03/76        | 30           | 6942         | 36.9                               | 179.4               | GGGG                 | 6                     | 6                    |
| 02953N                                  | 7751N             | 2469-14331                                     | 00000/0000       | 2-20024/1439        | 05/05/76        | 100          | 6538         | 28.4                               | 190.4               | FFFG                 | 12                    | 4                    |
| 02953N                                  | 7525N             | 2516-13525                                     | 00000/0000       | 2-20027/0236        | 06/21/76        | 100          | 7193         | 38.1                               | 177.7               | GGGG                 | 6                     | 5                    |
| 03008N                                  | 7833N             | 2508-14431                                     | 00000/0000       | 2-20026/1457        | 06/13/76        | 10           | 7082         | 34.4                               | 193.6               | GGGF                 | 16                    | 3                    |
| 03026N                                  | 7544N             | 2445-14002                                     | 00000/0000       | 2-20023/0020        | 04/11/76        | 10           | 6203         | 22.8                               | 179.8               | GGFG                 | 7                     | 6                    |
| 03056N                                  | 7532N             | 2499-13590                                     | 00000/0000       | 2-20026/0762        | 06/04/76        | 20           | 6956         | 37.0                               | 179.3               | GGGG                 | 7                     | 6                    |
| 03143N                                  | 7543N             | 2464-14053                                     | 00000/0000       | 2-20024/0201        | 06/30/76        | 10           | 6468         | 29.2                               | 180.7               | GGFG                 | 8                     | 6                    |
| 03211N                                  | 7936N             | 2461-15300                                     | 00000/0000       | 2-20024/0690        | 04/27/76        | 100          | 6427         | 23.7                               | 202.6               | GGGG                 | 22                    | 2                    |
| 03223N                                  | 7935N             | 2443-15303                                     | 00000/0000       | 2-20022/1627        | 04/09/76        | 90           | 6176         | 17.6                               | 201.1               | FGGG                 | 22                    | 2                    |
| 03223N                                  | 7531N             | 2500-14044                                     | 00000/0000       | 2-20026/0863        | 06/05/76        | 100          | 6970         | 37.1                               | 179.2               | GGFG                 | 8                     | 6                    |
| 03236N                                  | 7933N             | 2479-15293                                     | 00000/0000       | 2-20025/0607        | 05/15/76        | 0            | 6678         | 28.7                               | 202.7               | GGGG                 | 22                    | 2                    |
| 03256N                                  | 7423N             | 2426-13554                                     | 00000/0000       | 2-20027/0423        | 03/23/76        | 100          | 5938         | 16.8                               | 174.4               | G GG                 | 6                     | 7                    |
| 03301N                                  | 7421N             | 2498-13534                                     | 00000/0000       | 2-20026/1196        | 06/03/76        | 40           | 6942         | 38.0                               | 175.4               | GGGG                 | 6                     | 7                    |
| 03312N                                  | 7418N             | 2534-13524                                     | 00000/0000       | 2-20028/1090        | 07/09/76        | 100          | 7444         | 37.9                               | 172.9               | GGGG                 | 6                     | 7                    |
| 03316N                                  | 7415N             | 2516-13531                                     | 00000/0000       | 2-20027/0237        | 06/21/76        | 100          | 7193         | 39.1                               | 173.8               | GGGG                 | 6                     | 7                    |
| 03410N                                  | 7753N             | 2454-14505                                     | 00000/0000       | 2-20023/0517        | 04/20/76        | 90           | 6329         | 23.7                               | 189.8               | FFG                  | 15                    | 4                    |
| 03432N                                  | 8017N             | 2468-16099                                     | 00000/0000       | 2-20024/1469        | 05/04/76        | 30           | 6525         | 24.6                               | 210.7               | GGFG                 | 16                    | 248                  |
| 03441N                                  | 7650N             | 2469-14334                                     | 00000/0000       | 2-20024/1440        | 05/05/76        | 100          | 6538         | 29.5                               | 185.3               | FGG                  | 12                    | 5                    |
| 03515N                                  | 7434N             | 2464-14060                                     | 00000/0000       | 2-20024/0202        | 04/30/76        | 0            | 6468         | 30.3                               | 176.8               | GFFF                 | 8                     | 7                    |
| 03516N                                  | 7436N             | 2446-14063                                     | 00000/0000       | 2-20022/1857        | 04/12/76        | 0            | 6217         | 24.2                               | 176.2               | GGGG                 | 8                     | 7                    |
| 03526N                                  | 7321N             | 2462-13550                                     | 00000/0000       | 2-20024/0867        | 04/28/76        | 100          | 6440         | 30.9                               | 173.4               | PPPP                 | 6                     | 8                    |
| 03532N                                  | 7736N             | 2508-14493                                     | 00000/0000       | 2-20026/1458        | 06/13/76        | 0            | 7082         | 35.6                               | 187.8               | GGGG                 | 16                    | 4                    |
| 03550N                                  | 7421N             | 2500-14050                                     | 00000/0000       | 2-20026/0864        | 06/05/76        | 100          | 6970         | 38.2                               | 175.2               | GGFG                 | 8                     | 7                    |
| 03555N                                  | 7311N             | 2426-13560                                     | 00000/0000       | 2-20027/0431        | 03/23/76        | 100          | 5938         | 17.8                               | 171.3               | GGGG                 | 6                     | 8                    |
| 03559N                                  | 7310N             | 2498-13540                                     | 00000/0000       | 2-20026/1197        | 06/03/76        | 40           | 6942         | 39.1                               | 171.9               | GGGG                 | 6                     | 8                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=1.8W 3ATN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR USN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBY | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBY<br>NUM. |
|-----------------------------------------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 03608N                                  | 7306N             | 2534-13531                                     | 00000/0000       | 2-20028/1091        | 07/09/76        | 100          | 7444         | 39.0                               | 169.3               |                      |                       |                      |
| 03613N                                  | 7303N             | 2516-13534                                     | 00000/0000       | 2-20027/0238        | 06/21/76        | 100          | 7193         | 40.2                               | 170.2               |                      |                       |                      |
| 03619N                                  | 7414N             | 2518-14044                                     | 00000/0000       | 2-20027/0358        | 06/23/76        | 100          | 7221         | 39.1                               | 173.7               |                      |                       |                      |
| 03644N                                  | 0545S             | 2418-11503                                     | 00000/0000       | 2-20022/0117        | 03/15/76        | 30           | 5825         | 48.6                               | 86.4                |                      |                       |                      |
| 03702N                                  | 8102N             | 2571-17203                                     | 2-20032/1899     | 00000/0000          | 08/15/76        | 80           | 7962         | 20.5                               | 224.2               |                      |                       |                      |
| 03704N                                  | 0712S             | 2418-11505                                     | 00000/0000       | 2-20022/0118        | 03/15/76        | 30           | 5825         | 48.3                               | 84.9                |                      |                       |                      |
| 03724N                                  | 0838S             | 2418-11512                                     | 00000/0000       | 2-20022/0119        | 03/15/76        | 40           | 5825         | 47.9                               | 83.3                |                      |                       |                      |
| 03745N                                  | 1005S             | 2418-11514                                     | 00000/0000       | 2-20022/0120        | 03/15/76        | 60           | 5825         | 47.5                               | 81.8                |                      |                       |                      |
| 03806N                                  | 1131S             | 2418-11521                                     | 00000/0000       | 2-20022/0121        | 03/15/76        | 50           | 5825         | 47.0                               | 80.4                |                      |                       |                      |
| 03810N                                  | 8100N             | 2572-17261                                     | 2-20033/0007     | 00000/0000          | 08/16/76        | 90           | 7976         | 20.1                               | 224.4               |                      |                       |                      |
| 03824N                                  | 6932N             | 2441-13394                                     | 00000/0000       | 2-20022/1512        | 04/07/76        | 40           | 6147         | 26.8                               | 164.7               |                      |                       |                      |
| 03826N                                  | 6929N             | 2477-13384                                     | 00000/0000       | 2-20025/0590        | 05/13/76        | 100          | 6649         | 38.4                               | 164.7               |                      |                       |                      |
| 03826N                                  | 1258S             | 2418-11523                                     | 00000/0000       | 2-20022/0122        | 03/15/76        | 40           | 5825         | 46.6                               | 78.9                |                      |                       |                      |
| 03834N                                  | 6922N             | 2495-13381                                     | 00000/0000       | 2-20026/0564        | 05/31/76        | 100          | 6900         | 41.9                               | 163.4               |                      |                       |                      |
| 03841N                                  | 7847N             | 2461-15302                                     | 00000/0000       | 2-20024/0691        | 04/27/76        | 100          | 6427         | 24.9                               | 195.9               |                      |                       |                      |
| 03842N                                  | 7956N             | 2504-16085                                     | 00000/0000       | 2-20026/1220        | 06/09/76        | 100          | 7027         | 32.2                               | 206.0               |                      |                       |                      |
| 03844N                                  | 6915N             | 2513-13374                                     | 00000/0000       | 2-20027/0016        | 06/18/76        | 100          | 7151         | 43.4                               | 161.6               |                      |                       |                      |
| 03853N                                  | 7847N             | 2443-15310                                     | 00000/0000       | 2-20022/1628        | 04/09/76        | 100          | 6176         | 18.7                               | 194.5               |                      |                       |                      |
| 03900N                                  | 7652N             | 2454-14512                                     | 00000/0000       | 2-20022/0518        | 04/27/76        | 90           | 6329         | 24.8                               | 184.8               |                      |                       |                      |
| 03901N                                  | 7544N             | 2479-15300                                     | 00000/0000       | 2-20025/0608        | 05/15/76        | 10           | 6678         | 29.9                               | 196.0               |                      |                       |                      |
| 03914N                                  | 0414S             | 2528-11583                                     | 00000/0000       | 2-20028/0553        | 07/03/76        | 50           | 7359         | 41.9                               | 53.7                |                      |                       |                      |
| 03941N                                  | 7641N             | 2420-14502                                     | 00000/0000       | 2-20028/0009        | 05/26/76        | 0            | 6831         | 34.5                               | 184.5               |                      |                       |                      |
| 03943N                                  | 7839N             | 2497-15293                                     | 00000/0000       | 2-20024/0155        | 06/02/76        | 0            | 6929         | 33.3                               | 194.9               |                      |                       |                      |
| 03949N                                  | 1254S             | 2509-11555                                     | 00000/0000       | 2-20026/1617        | 06/14/76        | 70           | 7094         | 36.0                               | 48.0                |                      |                       |                      |
| 03953N                                  | 7427N             | 2485-14224                                     | 00000/0000       | 2-20025/1021        | 05/21/76        | 100          | 6741         | 35.8                               | 176.4               |                      |                       |                      |
| 04010N                                  | 7634N             | 2508-14520                                     | 00000/0000       | 2-20026/1459        | 06/13/76        | 10           | 7082         | 36.7                               | 182.8               |                      |                       |                      |
| 04016N                                  | 6810N             | 2477-13390                                     | 00000/0000       | 2-20025/0591        | 05/13/76        | 100          | 6649         | 39.5                               | 162.3               |                      |                       |                      |
| 04022N                                  | 6804N             | 2495-13383                                     | 00000/0000       | 2-20026/0565        | 05/31/76        | 100          | 6900         | 43.0                               | 160.9               |                      |                       |                      |
| 04027N                                  | 7833N             | 2515-15290                                     | 00000/0000       | 2-20027/0103        | 06/20/76        | 100          | 7180         | 34.7                               | 193.1               |                      |                       |                      |
| 04031N                                  | 6757N             | 2513-13381                                     | 00000/0000       | 2-20027/0017        | 06/18/76        | 100          | 7151         | 44.4                               | 159.1               |                      |                       |                      |
| 04055N                                  | 1128S             | 2510-12010                                     | 00000/0000       | 2-20026/1252        | 06/15/76        | 60           | 7108         | 37.1                               | 48.7                |                      |                       |                      |
| 04115N                                  | 1254S             | 2510-12013                                     | 00000/0000       | 2-20026/1253        | 06/15/76        | 60           | 7108         | 36.0                               | 48.0                |                      |                       |                      |
| 04154N                                  | 8016N             | 2455-16384                                     | 00000/0000       | 2-20024/0317        | 04/21/76        | 10           | 6344         | 20.6                               | 209.8               |                      |                       |                      |
| 04154N                                  | 6650N             | 2477-13393                                     | 00000/0000       | 2-20025/0592        | 05/13/76        | 100          | 6649         | 40.6                               | 160.0               |                      |                       |                      |
| 04200N                                  | 6645N             | 2435-13390                                     | 00000/0000       | 2-20026/0566        | 05/31/76        | 100          | 6900         | 44.0                               | 158.5               |                      |                       |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
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FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LAT   | LONG       | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLSD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04204N                      | 8015N | 2473-16381 | 00000/0000        | 2-20025/0072                 | 05/09/76                    | 0                | 6595               | 26.0            | 210.5        |              | FGGG                               |                     |                      | 34                    | 1                    |
| 04234N                      | 8014N | 2437-16391 | 00000/0000        | 2-20022/1225                 | 04/03/76                    | 100              | 6093               | 14.3            | 207.6        |              | GGGG                               |                     |                      | 34                    | 1                    |
| 04308N                      | 8010N | 2431-16374 | 00000/0000        | 2-20026/0295                 | 05/27/76                    | 10               | 6846               | 30.1            | 209.6        |              | GGGG                               |                     |                      | 35                    | 1                    |
| 04323N                      | 8056N | 2520-17391 | 2-20029/0213      | 00000/0000                   | 06/25/76                    | 50               | 7251               | 30.1            | 224.0        | PPP          |                                    |                     |                      | 35                    | 246                  |
| 04324N                      | 6530N | 2477-13395 | 00000/0000        | 2-20025/0593                 | 05/13/76                    | 100              | 6649               | 41.6            | 157.8        |              | GGFG                               |                     |                      | 3                     | 14                   |
| 04328N                      | 6524N | 2495-13397 | 00000/0000        | 2-20024/0567                 | 05/31/76                    | 90               | 6900               | 45.1            | 156.2        |              | FFFG                               |                     |                      | 3                     | 14                   |
| 04348N                      | 7209N | 2466-14151 | 00000/0000        | 2-20024/1223                 | 05/02/76                    | 20               | 6496               | 33.2            | 170.4        |              | GGGG                               |                     |                      | 10                    | 9                    |
| 04351N                      | 7210N | 2448-14184 | 00000/0000        | 2-20023/0178                 | 04/14/76                    | 100              | 6245               | 27.2            | 170.0        |              | FFFF                               |                     |                      | 10                    | 9                    |
| 04356N                      | 6936N | 2463-14015 | 00000/0000        | 2-20024/0998                 | 04/29/76                    | 100              | 6454               | 34.4            | 165.1        |              | GGFG                               |                     |                      | 7                     | 11                   |
| 04400N                      | 8008N | 2509-16371 | 00000/0000        | 2-20024/1574                 | 06/14/76                    | 100              | 7097               | 32.2            | 207.8        |              | GGGG                               |                     |                      | 35                    | 1                    |
| 04405N                      | 7202N | 2484-14174 | 00000/0000        | 2-20025/0975                 | 05/20/76                    | 100              | 6747               | 37.8            | 169.8        |              | GGGF                               |                     |                      | 10                    | 9                    |
| 04413N                      | 6928N | 2481-14013 | 00000/0000        | 2-20025/0734                 | 05/17/76                    | 100              | 6705               | 39.4            | 164.4        |              | GGGG                               |                     |                      | 7                     | 11                   |
| 04417N                      | 7751N | 2451-15305 | 00000/0000        | 2-20024/0692                 | 04/27/76                    | 100              | 6427               | 26.0            | 190.1        |              | GGGG                               |                     |                      | 22                    | 4                    |
| 04429N                      | 8058N | 2539-17443 | 2-20029/0288      | 00000/0000                   | 07/14/76                    | 90               | 7516               | 28.4            | 223.2        | FFF          |                                    |                     |                      | 36                    | 246                  |
| 04431N                      | 7751N | 2443-15312 | 00000/0000        | 2-20022/1629                 | 04/09/76                    | 40               | 6176               | 19.8            | 188.8        |              | GGGG                               |                     |                      | 22                    | 4                    |
| 04433N                      | 6913N | 2517-14003 | 00000/0000        | 2-20027/0410                 | 06/22/76                    | 100              | 7207               | 43.4            | 161.3        |              | FGGG                               |                     |                      | 7                     | 11                   |
| 04441N                      | 6805N | 2426-13574 | 00000/0000        | 2-20022/0432                 | 03/23/76                    | 90               | 5938               | 22.1            | 162.0        |              | GFGG                               |                     |                      | 4                     | 12                   |
| 04442N                      | 7054N | 2465-14125 | 00000/0000        | 2-20024/1073                 | 05/01/76                    | 40               | 6482               | 34.0            | 167.7        |              | GFGG                               |                     |                      | 9                     | 10                   |
| 04445N                      | 6409N | 2477-13412 | 00000/0000        | 2-20025/0594                 | 05/13/76                    | 100              | 6649               | 42.6            | 155.8        |              | GGGG                               |                     |                      | 3                     | 15                   |
| 04446N                      | 7052N | 2447-14132 | 00000/0000        | 2-20023/0450                 | 04/13/76                    | 100              | 6231               | 27.9            | 167.3        |              | FFFF                               |                     |                      | 9                     | 10                   |
| 04447N                      | 6652N | 2479-13505 | 00000/0000        | 2-20025/0601                 | 05/15/76                    | 100              | 6677               | 41.0            | 159.9        |              | GGGG                               |                     |                      | 5                     | 13                   |
| 04447N                      | 6529N | 2478-13453 | 00000/0000        | 2-20025/0333                 | 05/14/76                    | 100              | 6663               | 41.9            | 157.7        |              | GGGG                               |                     |                      | 4                     | 14                   |
| 04452N                      | 6526N | 2424-13471 | 00000/0000        | 2-20021/1785                 | 03/21/76                    | 10               | 5910               | 23.4            | 158.4        |              | GGGG                               |                     |                      | 4                     | 14                   |
| 04457N                      | 7046N | 2483-14123 | 00000/0000        | 2-20025/0705                 | 05/19/76                    | 80               | 6733               | 38.7            | 167.0        |              | GGG                                |                     |                      | 9                     | 10                   |
| 04500N                      | 6524N | 2436-13451 | 00000/0000        | 2-20026/0539                 | 06/01/76                    | 100              | 6914               | 45.2            | 156.1        |              | GGGG                               |                     |                      | 4                     | 14                   |
| 04520N                      | 7208N | 2467-14235 | 00000/0000        | 2-20024/1301                 | 05/03/76                    | 30               | 6510               | 33.5            | 170.4        |              | GGFG                               |                     |                      | 11                    | 9                    |
| 04522N                      | 6556N | 2521-17450 | 2-20029/0220      | 00000/0000                   | 06/26/76                    | 80               | 7265               | 30.1            | 223.4        | PPF          |                                    |                     |                      | 36                    | 246                  |
| 04524N                      | 6934N | 2464-14074 | 00000/0000        | 2-20024/0203                 | 04/30/76                    | 0                | 6468               | 34.8            | 165.1        |              | GGGG                               |                     |                      | 8                     | 11                   |
| 04533N                      | 7200N | 2485-14233 | 00000/0000        | 2-20025/0849                 | 05/21/76                    | 40               | 6761               | 38.0            | 169.7        |              | GGFF                               |                     |                      | 11                    | 9                    |
| 04540N                      | 7911N | 2504-16091 | 00000/0000        | 2-20026/1221                 | 06/09/76                    | 100              | 7027               | 33.3            | 198.7        |              | GGGG                               |                     |                      | 31                    | 2                    |
| 04548N                      | 6818N | 2463-14022 | 00000/0000        | 2-20024/0999                 | 04/29/76                    | 100              | 6454               | 35.5            | 162.8        |              | GGFG                               |                     |                      | 7                     | 12                   |
| 04549N                      | 8045N | 2589-17203 | 2-20033/0175      | 00000/0000                   | 09/02/76                    | 40               | 8213               | 15.3            | 215.7        | GGG          |                                    |                     |                      | 30                    | 247                  |
| 04603N                      | 6809N | 2481-14015 | 00000/0000        | 2-20025/0735                 | 05/17/76                    | 100              | 6705               | 40.4            | 162.0        |              | GGGG                               |                     |                      | 7                     | 12                   |
| 04604N                      | 8043N | 2571-17210 | 2-20032/1900      | 00000/0000                   | 08/15/76                    | 20               | 7962               | 21.6            | 215.1        | GGG          |                                    |                     |                      | 30                    | 247                  |
| 04609N                      | 8040N | 2607-17260 | 2-20034/1195      | 00000/0000                   | 09/20/76                    | 80               | 8464               | 8.4             | 215.9        | FFF          |                                    |                     |                      | 24                    | 248                  |

KEYS: CLSD COVER % ..... 0 TO 100 = % CLSD COVER,  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=8X GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN RML<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|---------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04609N                                  | 7053N             | 2466-14184                                        | 00000/0000       | 2-20024/1224        | 05/02/76        | 10           | 6496         | 34.3                               | 167.6               | GGGG                 | 10                    | 10                   |
| 04610N                                  | 7055N             | 2448-14191                                        | 00000/0000       | 2-20023/0179        | 04/14/76        | 100          | 6245         | 28.3                               | 167.4               | FFFF                 | 10                    | 10                   |
| 04614N                                  | 7540N             | 2474-15024                                        | 00000/0000       | 2-20025/0133        | 05/10/76        | 100          | 6608         | 32.1                               | 180.7               | GGGG                 | 18                    | 6                    |
| 04617N                                  | 6531N             | 2479-13512                                        | 00000/0000       | 2-20025/0602        | 05/15/76        | 100          | 6677         | 42.1                               | 157.7               | GGGG                 | 5                     | 14                   |
| 04619N                                  | 6646N             | 2426-13581                                        | 00000/0000       | 2-20022/0433        | 03/23/76        | 100          | 5938         | 23.2                               | 160.1               | GGGG                 | 6                     | 13                   |
| 04623N                                  | 8057N             | 2522-17504                                        | 2-20029/0228     | 00000/0000          | 06/27/76        | 60           | 7279         | 30.1                               | 223.6               | GGG                  | 37                    | 246                  |
| 04625N                                  | 7045N             | 2484-14181                                        | 00000/0000       | 2-20025/0976        | 05/20/76        | 100          | 6747         | 38.9                               | 166.9               | GGGF                 | 10                    | 10                   |
| 04628N                                  | 8058N             | 2540-17501                                        | 2-20029/0263     | 00000/0000          | 07/15/76        | 80           | 7530         | 28.3                               | 222.7               | GGG                  | 37                    | 246                  |
| 04641N                                  | 7210N             | 2450-14301                                        | 00000/0000       | 2-20023/0292        | 04/16/76        | 100          | 6273         | 27.9                               | 170.1               | GGGG                 | 12                    | 9                    |
| 04644N                                  | 7210N             | 2468-14294                                        | 00000/0000       | 2-20024/1464        | 05/04/76        | 0            | 6524         | 33.7                               | 170.5               | GGFG                 | 12                    | 9                    |
| 04645N                                  | 5008N             | 2670-13100                                        | 00000/0000       | 2-20036/1116        | 11/22/76        | 90           | 9340         | 16.0                               | 154.9               | GGFF                 | 249                   | 25                   |
| 04646N                                  | 5006N             | 2652-13104                                        | 00000/0000       | 2-20035/0509        | 11/04/76        | 90           | 9089         | 20.8                               | 154.3               | GGGG                 | 249                   | 25                   |
| 04647N                                  | 6937N             | 2465-14132                                        | 00000/0000       | 2-20024/1074        | 05/01/76        | 30           | 6482         | 35.1                               | 165.2               | GGGG                 | 9                     | 11                   |
| 04652N                                  | 6935N             | 2447-14135                                        | 00000/0000       | 2-20023/0451        | 04/13/76        | 100          | 6231         | 29.0                               | 164.9               | FFFF                 | 9                     | 11                   |
| 04657N                                  | 7527N             | 2510-15015                                        | 00000/0000       | 2-20026/1254        | 06/15/76        | 100          | 7110         | 37.9                               | 178.2               | GGGG                 | 18                    | 6                    |
| 04701N                                  | 6929N             | 2483-14125                                        | 00000/0000       | 2-20025/0706        | 05/19/76        | 80           | 6733         | 39.8                               | 164.4               | GGGG                 | 9                     | 11                   |
| 04707N                                  | 6125N             | 2477-13411                                        | 00000/0000       | 2-20025/0595        | 05/13/76        | 70           | 6649         | 44.6                               | 151.8               | GGGG                 | 3                     | 17                   |
| 04712N                                  | 8043N             | 2572-17264                                        | 2-20033/0008     | 00000/0000          | 08/16/76        | 10           | 7976         | 21.2                               | 215.3               | GGG                  | 31                    | 247                  |
| 04714N                                  | 8043N             | 2590-17261                                        | 2-20033/0149     | 00000/0000          | 09/02/76        | 100          | 8227         | 15.0                               | 215.6               | GGG                  | 31                    | 247                  |
| 04720N                                  | 8038N             | 2533-17213                                        | 2-20031/0003     | 00000/0000          | 07/28/76        | 0            | 7711         | 26.7                               | 213.9               | GGG                  | 25                    | 248                  |
| 04722N                                  | 4843N             | 2670-13102                                        | 00000/0000       | 2-20034/1117        | 11/22/76        | 80           | 9340         | 17.2                               | 154.2               | GGGG                 | 249                   | 26                   |
| 04724N                                  | 4841N             | 2652-13110                                        | 00000/0000       | 2-20035/0510        | 11/04/76        | 90           | 9089         | 21.9                               | 153.5               | GGGG                 | 249                   | 26                   |
| 04726N                                  | 5138N             | 2689-13143                                        | 00000/0000       | 2-20037/0625        | 12/11/76        | 90           | 9605         | 11.6                               | 154.7               | GGGG                 | 250                   | 24                   |
| 04728N                                  | 6658N             | 2463-14024                                        | 00000/0000       | 2-20024/1000        | 04/29/76        | 100          | 6454         | 36.6                               | 160.7               | GGFG                 | 7                     | 13                   |
| 04729N                                  | 6809N             | 2482-14073                                        | 00000/0000       | 2-20025/0800        | 05/18/76        | 0            | 6719         | 40.7                               | 161.9               | GGGG                 | 8                     | 12                   |
| 04730N                                  | 5130N             | 2653-13100                                        | 00000/0000       | 2-20035/0573        | 11/05/76        | 30           | 9103         | 19.4                               | 155.1               | GGGG                 | 250                   | 24                   |
| 04732N                                  | 5133N             | 2671-13151                                        | 00000/0000       | 2-20034/1228        | 11/23/76        | 60           | 9354         | 14.6                               | 155.6               | GGGG                 | 250                   | 24                   |
| 04735N                                  | 6802N             | 2500-14071                                        | 00000/0000       | 2-20026/0865        | 06/05/76        | 90           | 6970         | 43.6                               | 160.4               | GGGG                 | 8                     | 12                   |
| 04740N                                  | 7052N             | 2467-14242                                        | 00000/0000       | 2-20024/1321        | 05/03/76        | C            | 6510         | 34.6                               | 167.6               | FFFF                 | 11                    | 10                   |
| 04740N                                  | 6649N             | 2481-14022                                        | 00000/0000       | 2-20025/0735        | 05/17/76        | 90           | 6705         | 41.5                               | 159.7               | GGGG                 | 7                     | 13                   |
| 04743N                                  | 6648N             | 2427-14035                                        | 00000/0000       | 2-20022/0586        | 03/24/76        | 90           | 5952         | 23.6                               | 160.2               | GGGG                 | 7                     | 13                   |
| 04747N                                  | 6526N             | 2426-13583                                        | 00000/0000       | 2-20022/0434        | 03/23/76        | 100          | 5938         | 24.3                               | 158.4               | GGGG                 | 6                     | 14                   |
| 04750N                                  | 8040N             | 2608-17254                                        | 2-20034/1199     | 00000/0000          | 09/21/76        | 80           | 8478         | 8.1                                | 215.8               | GGG                  | 25                    | 248                  |
| 04751N                                  | 4730N             | 2706-13092                                        | 00000/0000       | 2-20038/0261        | 12/28/76        | 100          | 9842         | 13.9                               | 150.9               | GGGG                 | 249                   | 27                   |
| 04752N                                  | 7044N             | 2485-14235                                        | 00000/0000       | 2-20025/0850        | 05/21/76        | 50           | 6761         | 39.1                               | 166.9               | GGFF                 | 11                    | 10                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | MSS      | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PAYH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------------------------|----------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04755N                      | 4726N | 2688-13100 | 00000/0000        | 2-20037/0617                                   | 12/10/76 | 70               | 9591                | 15.0            | 152.9        |              |                                    |                     |                      |                       |                      |
| 04757N                      | 7648N | 2442-15260 | 00000/0000        | 2-20027/1494                                   | 04/08/76 | 20               | 6162                | 20.6            | 183.7        |              | GGGG                               |                     |                      | 249                   | 27                   |
| 04759N                      | 8058N | 2523-17562 | 2-20029/0234      | 00000/0000                                     | 06/28/76 | 80               | 7293                | 30.0            | 223.6        |              | GGFG                               |                     |                      | 22                    | 5                    |
| 04759N                      | 4718N | 2670-13105 | 00000/0000        | 2-20036/1118                                   | 11/22/76 | 90               | 9340                | 18.3            | 153.6        |              | GGG                                |                     |                      | 38                    | 246                  |
| 04800N                      | 4717N | 2652-13113 | 00000/0000        | 2-20035/0511                                   | 11/04/76 | 50               | 9089                | 23.0            | 152.7        |              | FFGG                               |                     |                      | 249                   | 27                   |
| 04806N                      | 5013N | 2689-13145 | 00000/0000        | 2-20037/0626                                   | 12/11/76 | 60               | 9605                | 12.7            | 154.0        |              | GGGG                               |                     |                      | 249                   | 27                   |
| 04808N                      | 7644N | 2478-15250 | 00000/0000        | 2-20025/0384                                   | 05/14/76 | 100              | 6664                | 32.0            | 184.9        |              | GGGG                               |                     |                      | 250                   | 25                   |
| 04808N                      | 7209N | 2451-14355 | 00000/0000        | 2-20023/0490                                   | 04/17/76 | 100              | 6287                | 28.3            | 170.1        |              | GGGG                               |                     |                      | 22                    | 5                    |
| 04809N                      | 7209N | 2469-14352 | 00000/0000        | 2-20024/1441                                   | 05/05/76 | 90               | 6538                | 34.0            | 170.4        |              | GGGG                               |                     |                      | 13                    | 9                    |
| 04811N                      | 5006N | 2653-13162 | 00000/0000        | 2-20035/0574                                   | 11/05/76 | 50               | 9103                | 20.5            | 154.3        |              | GGGG                               |                     |                      | 13                    | 9                    |
| 04812N                      | 5009N | 2671-13154 | 00000/0000        | 2-20036/1229                                   | 11/23/76 | 30               | 9354                | 15.8            | 154.9        |              | GGGG                               |                     |                      | 250                   | 25                   |
| 04815N                      | 6935N | 2466-14190 | 00000/0000        | 2-20024/1225                                   | 05/02/76 | 10               | 6496                | 35.4            | 165.1        |              | GGGG                               |                     |                      | 250                   | 25                   |
| 04816N                      | 8037N | 2535-17220 | 2-20029/0303      | 00000/0000                                     | 07/10/76 | 100              | 7460                | 30.1            | 213.7        |              | PPF                                |                     |                      | 10                    | 11                   |
| 04819N                      | 7430N | 2437-14582 | 00000/0000        | 2-20027/1221                                   | 04/03/76 | 100              | 6092                | 21.0            | 175.4        |              | GGGG                               |                     |                      | 26                    | 248                  |
| 04824N                      | 2425S | 2513-12220 | 00000/0000        | 2-20027/0013                                   | 06/18/76 | 70               | 7150                | 26.4            | 44.5         |              | GGGG                               |                     |                      | 17                    | 7                    |
| 04825N                      | 7639N | 2496-15244 | 00000/0000        | 2-20026/0540                                   | 06/01/76 | 100              | 6915                | 35.5            | 183.9        |              | GGGG                               |                     |                      | 236                   | 77                   |
| 04826N                      | 7640N | 2424-15264 | 00000/0000        | 2-20021/1786                                   | 03/21/76 | 100              | 5911                | 13.8            | 181.8        |              | GGGG                               |                     |                      | 22                    | 5                    |
| 04827N                      | 4605N | 2706-13094 | 00000/0000        | 2-20038/0262                                   | 12/28/76 | 100              | 9842                | 15.0            | 150.3        |              | GGGG                               |                     |                      | 22                    | 5                    |
| 04828N                      | 6927N | 2484-14143 | 00000/0000        | 2-20025/0977                                   | 05/20/76 | 80               | 6747                | 40.0            | 164.3        |              | GGGG                               |                     |                      | 249                   | 28                   |
| 04830N                      | 4601N | 2688-13103 | 00000/0000        | 2-20037/0618                                   | 12/10/76 | 70               | 9591                | 16.1            | 152.2        |              | GGGG                               |                     |                      | 10                    | 11                   |
| 04830N                      | 2422S | 2639-12181 | 00000/0000        | 2-20034/1005                                   | 10/22/76 | 80               | 8907                | 49.9            | 78.7         |              | GGGG                               |                     |                      | 249                   | 28                   |
| 04834N                      | 4553N | 2670-13111 | 00000/0000        | 2-20036/1119                                   | 11/22/76 | 90               | 9340                | 19.4            | 152.9        |              | GGGG                               |                     |                      | 236                   | 77                   |
| 04835N                      | 8040N | 2554-17271 | 2-20031/0009      | 00000/0000                                     | 07/29/76 | 30               | 7725                | 26.5            | 214.1        |              | GGG                                |                     |                      | 249                   | 28                   |
| 04835N                      | 4552N | 2652-13115 | 00000/0000        | 2-20035/0512                                   | 11/04/76 | 80               | 9089                | 24.1            | 152.0        |              | GGGG                               |                     |                      | 26                    | 248                  |
| 04837N                      | 7424N | 2491-14565 | 00000/0000        | 2-20024/0292                                   | 05/27/76 | 60               | 6845                | 37.0            | 175.9        |              | GGGG                               |                     |                      | 249                   | 28                   |
| 04839N                      | 6818N | 2465-14134 | 00000/0000        | 2-20024/1075                                   | 05/01/76 | 30               | 6482                | 36.7            | 162.8        |              | GGGG                               |                     |                      | 17                    | 7                    |
| 04842N                      | 8040N | 2536-17274 | 2-20029/0310      | 00000/0000                                     | 07/11/76 | 90               | 7474                | 29.9            | 214.6        |              | PPF                                |                     |                      | 9                     | 12                   |
| 04842N                      | 6816N | 2447-14141 | 00000/0000        | 2-20023/0452                                   | 04/13/76 | 90               | 6231                | 30.1            | 162.7        |              | GGGG                               |                     |                      | 26                    | 248                  |
| 04842N                      | 4856N | 2707-13143 | 00000/0000        | 2-20038/0347                                   | 12/29/76 | 90               | 9856                | 12.9            | 151.4        |              | GGGG                               |                     |                      | 9                     | 12                   |
| 04842N                      | 4855N | 2725-13135 | 00000/0000        | 2-20038/0817                                   | 01/16/77 | 90               | 107                 | 14.3            | 148.6        |              | GGGG                               |                     |                      | 250                   | 26                   |
| 04843N                      | 2004S | 2514-12262 | 00000/0000        | 2-20026/1856                                   | 06/19/76 | 0                | 7164                | 30.0            | 45.6         |              | PPPP                               |                     |                      | 237                   | 74                   |
| 04845N                      | 7154N | 2415-14370 | 00000/0000        | 2-20027/0066                                   | 03/12/76 | 100              | 5785                | 14.6            | 168.0        |              | GGGG                               |                     |                      | 13                    | 9                    |
| 04845N                      | 4849N | 2689-13152 | 00000/0000        | 2-20037/0627                                   | 12/11/76 | 80               | 9605                | 13.8            | 153.4        |              | GGGG                               |                     |                      | 250                   | 26                   |
| 04846N                      | 7634N | 2514-15241 | 00000/0000        | 2-20027/0044                                   | 06/19/76 | 100              | 7166                | 36.9            | 182.4        |              | GGGG                               |                     |                      | 22                    | 5                    |
| 04846N                      | 2012S | 2586-12242 | 00000/0000        | 2-20032/0679                                   | 08/30/76 | 10               | 8168                | 38.8            | 59.5         |              | GGGG                               |                     |                      | 237                   | 74                   |

KEYS: CLOUD COVER % ..... U TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 11/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSG | DATE<br>ACQUIRED | CLUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04848N                                  | 5141N             | 2690-132J1                   | 00000/0000                  | 2-20037/0704     | 12/12/76           | 80              | 9619         | 11.5         | 154.6                              |                     |                      | 251                   | 24                   |
| 04849N                                  | 8043N             | 2573-17322                   | 2-20033/0016                | 00000/0000       | 08/17/76           | 90              | 7990         | 20.9         | 215.2                              | GGG                 | GGGG                 | 32                    | 247                  |
| 04849N                                  | 2011S             | 2604-12235                   | 00000/0000                  | 2-20032/1440     | 09/17/76           | 10              | 8419         | 43.7         | 66.1                               | PPPP                |                      | 237                   | 74                   |
| 04849N                                  | 2555S             | 2585-12202                   | 00000/0000                  | 2-20032/0184     | 08/29/76           | 30              | 8154         | 34.7         | 56.4                               | GGGG                |                      | 236                   | 73                   |
| 04850N                                  | 8016N             | 2460-17071                   | 00000/0000                  | 2-20024/0597     | 04/26/76           | 100             | 6414         | 22.2         | 210.3                              | FFGG                |                      | 26                    | 248                  |
| 04850N                                  | 4844N             | 2671-13160                   | 00000/0000                  | 2-20036/1230     | 11/23/76           | 30              | 9354         | 16.9         | 154.3                              | GGGG                |                      | 250                   | 26                   |
| 04850N                                  | 4841N             | 2653-13165                   | 00000/0000                  | 2-20035/0575     | 11/05/76           | 50              | 9103         | 21.6         | 153.6                              | FFGG                |                      | 250                   | 26                   |
| 04850N                                  | 2007S             | 2622-12232                   | 00000/0000                  | 2-20034/0376     | 10/05/76           | 90              | 8670         | 48.2         | 74.1                               | GGFF                |                      | 237                   | 74                   |
| 04851N                                  | 6810N             | 2483-14132                   | 00000/0000                  | 2-20035/0707     | 05/19/76           | 60              | 6733         | 40.9         | 161.9                              | GGFG                |                      | 9                     | 12                   |
| 04851N                                  | 2552S             | 2603-12195                   | 00000/0000                  | 2-20032/1381     | 09/16/76           | 40              | 8405         | 40.0         | 61.9                               | GGGG                |                      | 236                   | 78                   |
| 04852N                                  | 2550S             | 2657-12130                   | 00000/0000                  | 2-20036/0108     | 11/09/76           | 10              | 9158         | 51.6         | 84.9                               | GGGG                |                      | 236                   | 78                   |
| 04854N                                  | 8042N             | 2591-17315                   | 2-20033/0115                | 00000/0000       | 09/04/76           | 10              | 8241         | 14.6         | 215.5                              | GG                  |                      | 32                    | 247                  |
| 04857N                                  | 7417N             | 2509-14563                   | 00000/0000                  | 2-20026/1572     | 06/14/76           | 100             | 7096         | 39.0         | 174.4                              | GGGG                |                      | 17                    | 7                    |
| 04859N                                  | 5129N             | 2654-13214                   | 00000/0000                  | 2-20035/0565     | 11/06/76           | 100             | 9117         | 19.1         | 155.2                              | GGFG                |                      | 251                   | 24                   |
| 04900N                                  | 5133N             | 2672-13205                   | 00000/0000                  | 2-20034/1201     | 11/24/76           | 70              | 9368         | 14.4         | 155.6                              | GGGG                |                      | 251                   | 24                   |
| 04900N                                  | 4439N             | 2706-13101                   | 00000/0000                  | 2-20038/0263     | 12/28/76           | 100             | 9842         | 16.1         | 149.7                              | GGGG                |                      | 249                   | 29                   |
| 04901N                                  | 7055N             | 2450-14303                   | 00000/0000                  | 2-20033/0293     | 04/16/76           | 90              | 6273         | 29.0         | 167.5                              | GGFG                |                      | 12                    | 10                   |
| 04904N                                  | 4435N             | 2688-13105                   | 00000/0000                  | 2-20037/0619     | 12/10/76           | 80              | 9591         | 17.2         | 151.6                              | GGGG                |                      | 249                   | 29                   |
| 04905N                                  | 7055N             | 2468-14320                   | 00000/0000                  | 2-20024/0465     | 05/04/76           | 0               | 6524         | 34.8         | 167.7                              | GGGG                |                      | 12                    | 10                   |
| 04906N                                  | 7650N             | 2461-15311                   | 00000/0000                  | 2-20024/0693     | 04/27/76           | 100             | 6427         | 27.2         | 185.0                              | GGGG                |                      | 22                    | 5                    |
| 04906N                                  | 2130S             | 2514-12265                   | 00000/0000                  | 2-20024/1857     | 06/19/76           | 10              | 7164         | 28.8         | 45.2                               | GGGG                |                      | 237                   | 75                   |
| 04907N                                  | 4428N             | 2670-13114                   | 00000/0000                  | 2-20036/1120     | 11/22/76           | 90              | 9340         | 20.5         | 152.2                              | GGGG                |                      | 249                   | 29                   |
| 04907N                                  | 2139S             | 2586-12245                   | 00000/0000                  | 2-20032/0680     | 08/30/76           | 40              | 8168         | 37.9         | 58.7                               | GGGG                |                      | 237                   | 75                   |
| 04908N                                  | 6648N             | 2432-14020                   | 00000/0000                  | 2-20025/0801     | 05/10/76           | 0               | 6719         | 41.7         | 152.6                              | GGGG                |                      | 8                     | 13                   |
| 04908N                                  | 4427N             | 2652-13122                   | 00000/0000                  | 2-20035/0513     | 11/04/76           | 50              | 9089         | 25.2         | 151.2                              | GGGG                |                      | 249                   | 29                   |
| 04909N                                  | 6529N             | 2451-14024                   | 00000/0000                  | 2-20025/0737     | 05/17/76           | 50              | 6705         | 42.5         | 157.5                              | GGGG                |                      | 7                     | 14                   |
| 04910N                                  | 2717S             | 2513-12225                   | 00000/0000                  | 2-20027/0014     | 06/18/76           | 50              | 7150         | 24.0         | 44.0                               | FFFF                |                      | 236                   | 79                   |
| 04911N                                  | 6528N             | 2427-14041                   | 00000/0000                  | 2-20022/0587     | 03/24/76           | 70              | 5952         | 24.6         | 158.5                              | GGGG                |                      | 7                     | 14                   |
| 04911N                                  | 2137S             | 2604-12242                   | 00000/0000                  | 2-20032/1441     | 09/17/76           | 10              | 8419         | 42.9         | 65.0                               | PPGG                |                      | 237                   | 75                   |
| 04912N                                  | 2132S             | 2640-12231                   | 00000/0000                  | 2-20034/1070     | 10/23/76           | 30              | 8921         | 51.0         | 81.6                               | GGGG                |                      | 237                   | 75                   |
| 04912N                                  | 2133S             | 2622-12234                   | 00000/0000                  | 2-20034/0377     | 10/05/76           | 100             | 8670         | 47.6         | 72.8                               | PPPP                |                      | 237                   | 75                   |
| 04915N                                  | 2717S             | 2603-12201                   | 00000/0000                  | 2-20032/1382     | 09/16/76           | 10              | 8405         | 39.1         | 61.1                               | FFFF                |                      | 236                   | 79                   |
| 04915N                                  | 2717S             | 2657-12152                   | 00000/0000                  | 2-20036/0109     | 11/09/76           | 10              | 9158         | 51.2         | 83.2                               | GGGG                |                      | 236                   | 79                   |
| 04919N                                  | 4731N             | 2707-13150                   | 00000/0000                  | 2-20038/0348     | 12/29/76           | 60              | 9856         | 13.9         | 150.7                              | GGGG                |                      | 250                   | 27                   |
| 04919N                                  | 4730N             | 2725-13142                   | 00000/0000                  | 2-20038/0818     | 01/16/77           | 90              | 107          | 15.4         | 148.0                              | GGGG                |                      | 250                   | 27                   |

KEYS: CLUD COVER % ..... 0 TO 100 = % CLUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
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FOR NON-US  
FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 049204                                  | 7649N             | 2443-1531E                   | 00000/0000                  | 2-20022/1630     | 04/09/76            | 10              | 6176         | 21.0         | 183.9                              | GGGF                |                      | 23                    | 5                    |
| 049214                                  | 4724N             | 2689-13154                   | 00000/0000                  | 2-20037/0628     | 12/11/76            | 80              | 9605         | 14.9         | 152.8                              | GGGG                |                      | 250                   | 27                   |
| 049264                                  | 4716N             | 2653-13171                   | 00000/0000                  | 2-20035/0576     | 11/05/76            | 80              | 9103         | 22.7         | 152.8                              | GPFG                |                      | 250                   | 27                   |
| 049274                                  | 4720N             | 2671-13163                   | 00000/0000                  | 2-20036/1231     | 11/23/76            | 30              | 9354         | 18.0         | 153.6                              | GGGG                |                      | 250                   | 27                   |
| 049284                                  | 2256S             | 2514-12271                   | 00000/0000                  | 2-20026/1858     | 06/19/76            | 10              | 7164         | 27.6         | 44.9                               | FFFF                |                      | 237                   | 76                   |
| 049284                                  | 2258S             | 2532-12264                   | 00000/0000                  | 2-20028/0878     | 07/07/76            | 60              | 7415         | 27.5         | 46.3                               | P                   |                      | 237                   | 76                   |
| 049294                                  | 5016N             | 2690-13203                   | 00000/0000                  | 2-20037/0705     | 12/12/76            | 80              | 9619         | 12.6         | 153.9                              | GGGG                |                      | 251                   | 25                   |
| 049304                                  | 2305S             | 2586-12251                   | 00000/0000                  | 2-20032/0681     | 08/30/76            | 50              | 8168         | 36.9         | 58.0                               | GGGG                |                      | 237                   | 76                   |
| 049324                                  | 5307N             | 2475-13321                   | 00000/0000                  | 2-20025/0165     | 05/11/76            | 90              | 6621         | 49.7         | 140.9                              | GGGG                |                      | 1                     | 23                   |
| 049324                                  | 5019N             | 2726-13191                   | 00000/0000                  | 2-20037/1482     | 01/17/77            | 30              | 121          | 13.5         | 149.2                              | GGGG                |                      | 251                   | 25                   |
| 049324                                  | 5018N             | 2738-13195                   | 00000/0000                  | 2-20038/0355     | 12/30/76            | 90              | 9870         | 11.8         | 151.8                              | GGGG                |                      | 251                   | 25                   |
| 049324                                  | 4313N             | 2756-13103                   | 00000/0000                  | 2-20038/0264     | 12/28/76            | 100             | 9842         | 17.1         | 149.1                              | GGGG                |                      | 249                   | 30                   |
| 049324                                  | 2259S             | 2658-12225                   | 00000/0000                  | 2-20036/0234     | 11/10/76            | 10              | 9172         | 52.3         | 88.7                               | GGGG                |                      | 237                   | 76                   |
| 049334                                  | 5304N             | 2691-13253                   | 00000/0000                  | 2-20037/0712     | 12/13/76            | 90              | 9633         | 10.3         | 155.1                              | FGGG                |                      | 1                     | 23                   |
| 049334                                  | 2303S             | 2604-12244                   | 00000/0000                  | 2-20032/1442     | 09/17/76            | 10              | 8419         | 42.0         | 64.0                               | GGGG                |                      | 237                   | 76                   |
| 049344                                  | 2257S             | 2640-12233                   | 00000/0000                  | 2-20034/1071     | 10/23/76            | 50              | 8921         | 50.6         | 80.0                               | GGGG                |                      | 237                   | 76                   |
| 049344                                  | 2258S             | 2622-12241                   | 00000/0000                  | 2-20034/0378     | 10/05/76            | 100             | 8670         | 46.9         | 71.5                               | GGGG                |                      | 237                   | 76                   |
| 049344                                  | 2842S             | 2513-12231                   | 00000/0000                  | 2-20027/0015     | 06/18/76            | 60              | 7150         | 22.8         | 43.8                               | FGFG                |                      | 236                   | 80                   |
| 049344                                  | 2843S             | 2531-12224                   | 00000/0000                  | 2-20028/0936     | 07/06/76            | 20              | 7401         | 22.7         | 45.1                               | GGGG                |                      | 236                   | 80                   |
| 049364                                  | 2848S             | 2585-12211                   | 00000/0000                  | 2-20032/0185     | 08/29/76            | 10              | 8154         | 32.7         | 55.3                               | GGGG                |                      | 236                   | 80                   |
| 049374                                  | 4310N             | 2688-13112                   | 00000/0000                  | 2-20037/0620     | 12/10/76            | 60              | 9591         | 18.3         | 151.0                              | GGGG                |                      | 249                   | 30                   |
| 049394                                  | 4304N             | 2670-13120                   | 00000/0000                  | 2-20036/1121     | 11/22/76            | 90              | 9340         | 21.6         | 151.6                              | GGG                 |                      | 249                   | 30                   |
| 049394                                  | 2840S             | 2639-12193                   | 00000/0000                  | 2-20034/1006     | 10/22/76            | 20              | 8907         | 48.1         | 73.8                               | FFFF                |                      | 236                   | 80                   |
| 049394                                  | 2842S             | 2657-12185                   | 00000/0000                  | 2-20036/0110     | 11/09/76            | 10              | 9158         | 50.8         | 81.7                               | FFFF                |                      | 236                   | 80                   |
| 049394                                  | 2843S             | 2603-12204                   | 00000/0000                  | 2-20032/1383     | 09/16/76            | 10              | 8405         | 38.2         | 60.3                               | PPPP                |                      | 236                   | 80                   |
| 049404                                  | 5255N             | 2637-13274                   | 00000/0000                  | 2-20034/0913     | 10/20/76            | 80              | 8880         | 23.4         | 154.3                              | GGGG                |                      | 1                     | 23                   |
| 049404                                  | 5255N             | 2655-13265                   | 00000/0000                  | 2-20036/0054     | 11/07/76            | 90              | 9131         | 17.7         | 156.0                              | GGGG                |                      | 1                     | 23                   |
| 049404                                  | 5008N             | 2672-13212                   | 00000/0000                  | 2-20036/1202     | 11/24/76            | 90              | 9368         | 15.6         | 154.9                              | GGGG                |                      | 251                   | 25                   |
| 049404                                  | 4302N             | 2652-13124                   | 00000/0000                  | 2-20035/0514     | 11/04/76            | 70              | 9089         | 26.3         | 150.4                              | GGGG                |                      | 249                   | 30                   |
| 049414                                  | 5256N             | 2673-13261                   | 00000/0000                  | 2-20036/1334     | 11/25/76            | 90              | 9382         | 13.1         | 156.3                              | GGGG                |                      | 1                     | 23                   |
| 049424                                  | 7205N             | 2470-14410                   | 00000/0000                  | 2-20024/1701     | 05/06/76            | 90              | 6552         | 34.4         | 170.2                              | FFFF                |                      | 14                    | 9                    |
| 049434                                  | 8015N             | 2442-17074                   | 00000/0000                  | 2-20022/1496     | 04/08/76            | 10              | 6163         | 16.1         | 208.3                              | GFGG                |                      | 39                    | 1                    |
| 049444                                  | 6934N             | 2467-14244                   | 00000/0000                  | 2-20024/1322     | 05/03/76            | 0               | 6510         | 35.7         | 165.1                              | FGGG                |                      | 11                    | 11                   |
| 049444                                  | 3840S             | 2511-12144                   | 00000/0000                  | 2-20026/1706     | 06/16/76            | 70              | 7122         | 14.3         | 43.2                               | FFFF                |                      | 234                   | 87                   |
| 049444                                  | 3843S             | 2529-12141                   | 00000/0000                  | 2-20028/0620     | 07/04/76            | 90              | 7373         | 14.2         | 44.3                               | F G                 |                      | 234                   | 87                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR N6N-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL.<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 04950W 7204N                            | 2434-14421        | 00000/0000                   | 2-20022/1067                | 03/31/76         | 80                  | 6050            | 22.0         | 169.2        | GGGG                                |                     |                      | 14                    | 9                    |
| 04950W 2423S                            | 2514-12274        | 00000/0000                   | 2-20026/1872                | 06/19/76         | 10                  | 7164            | 26.4         | 44.5         | P                                   |                     |                      | 237                   | 77                   |
| 04950W 2424S                            | 2632-12271        | 00000/0000                   | 2-20022/0873                | 07/07/76         | 80                  | 7415            | 26.3         | 46.0         | GGGG                                |                     |                      | 237                   | 77                   |
| 04950W 3839S                            | 2619-12114        | 00000/0000                   | 2-20034/0198                | 10/02/76         | 50                  | 8623            | 36.8         | 60.3         | GGGG                                |                     |                      | 234                   | 87                   |
| 04950W 3846S                            | 2601-12121        | 00000/0000                   | 2-20032/1127                | 09/14/76         | 60                  | 8377            | 30.6         | 56.0         | GGGG                                |                     |                      | 234                   | 87                   |
| 04952W 7752N                            | 2465-15534        | 00000/0000                   | 2-20024/1078                | 05/01/76         | 20                  | 6483            | 27.2         | 190.3        | GGGG                                |                     |                      | 26                    | 4                    |
| 04952W 2431S                            | 2586-12254        | 00000/0000                   | 2-20032/0682                | 08/30/76         | 50                  | 8168            | 36.0         | 57.3         | FFFF                                |                     |                      | 237                   | 77                   |
| 04954W 4605N                            | 2707-13152        | 00000/0000                   | 2-20038/0349                | 12/29/76         | 10                  | 9856            | 15.0         | 150.1        | GGGG                                |                     |                      | 250                   | 28                   |
| 04955W 6927N                            | 2485-14242        | 00000/0000                   | 2-20025/0851                | 05/21/76         | 60                  | 6761            | 40.2         | 164.2        | GGFF                                |                     |                      | 11                    | 11                   |
| 04955W 2425S                            | 2658-12231        | 00000/0000                   | 2-20036/0235                | 11/10/76         | 10                  | 9172            | 52.0         | 87.0         | GGGG                                |                     |                      | 237                   | 77                   |
| 04956W 4604N                            | 2725-13144        | 00000/0000                   | 2-20038/0819                | 01/16/77         | 80                  | 107             | 16.4         | 147.3        | GGGG                                |                     |                      | 250                   | 28                   |
| 04956W 4559N                            | 2689-13161        | 00000/0000                   | 2-20037/0629                | 12/11/76         | 90                  | 9605            | 16.0         | 152.1        | GGGG                                |                     |                      | 250                   | 28                   |
| 04956W 2424S                            | 2622-12243        | 00000/0000                   | 2-20034/0372                | 10/05/76         | 90                  | 8670            | 46.2         | 70.2         | PP                                  |                     |                      | 237                   | 77                   |
| 04956W 2429S                            | 2604-12251        | 00000/0000                   | 2-20032/1443                | 09/17/76         | 20                  | 8419            | 41.2         | 63.1         | GGGG                                |                     |                      | 237                   | 77                   |
| 04957W 2423S                            | 2640-12240        | 00000/0000                   | 2-20034/1072                | 10/23/76         | 50                  | 8921            | 50.0         | 78.5         | GGGG                                |                     |                      | 237                   | 77                   |
| 05001W 4551N                            | 2653-13174        | 00000/0000                   | 2-20035/0577                | 11/05/76         | 90                  | 9103            | 23.8         | 152.0        | GGFG                                |                     |                      | 250                   | 28                   |
| 05002W 4555N                            | 2671-13165        | 00000/0000                   | 2-20036/1232                | 11/23/76         | 30                  | 9354            | 19.1         | 152.9        | GGGG                                |                     |                      | 250                   | 28                   |
| 05003W 8057N                            | 2525-18075        | 2-20029/0249                 | 00000/0000                  | 06/30/76         | 90                  | 7321            | 29.8         | 224.1        | GGG                                 |                     |                      | 40                    | 246                  |
| 05004W 4148N                            | 2716-13110        | 00000/0000                   | 2-20038/0265                | 12/28/76         | 70                  | 9842            | 18.2         | 148.5        | GGGG                                |                     |                      | 249                   | 31                   |
| 05005W 8042N                            | 2610-17370        | 2-20034/1211                 | 00000/0000                  | 09/23/76         | 70                  | 8506            | 7.2          | 216.5        | GPF                                 |                     |                      | 33                    | 247                  |
| 05006W 8044N                            | 2592-17374        | 2-20033/0122                 | 00000/0000                  | 09/05/76         | 40                  | 8255            | 14.2         | 215.8        | GGG                                 |                     |                      | 33                    | 247                  |
| 05006W 6617N                            | 2466-14133        | 00000/0000                   | 2-20024/1226                | 05/02/76         | 0                   | 6496            | 36.4         | 162.8        | GGGG                                |                     |                      | 10                    | 12                   |
| 05008W 7751N                            | 2447-15541        | 00000/0000                   | 2-20023/0456                | 04/13/76         | 20                  | 6232            | 21.3         | 189.2        | FFFF                                |                     |                      | 26                    | 4                    |
| 05008W 4851N                            | 2690-13210        | 00000/0000                   | 2-20037/0706                | 12/12/76         | 90                  | 9619            | 13.7         | 153.3        | GGGG                                |                     |                      | 251                   | 26                   |
| 05008W 4145N                            | 2688-13114        | 00000/0000                   | 2-20037/0621                | 12/10/76         | 50                  | 9591            | 19.4         | 150.4        | GGGG                                |                     |                      | 249                   | 31                   |
| 05010W 8170N                            | 2543-18072        | 2-20030/1877                 | 00000/0000                  | 07/18/76         | 10                  | 7572            | 27.7         | 223.2        | GG                                  |                     |                      | 40                    | 246                  |
| 05010W 4854N                            | 2726-13193        | 00000/0000                   | 2-20038/1483                | 01/17/77         | 10                  | 121             | 14.5         | 148.5        | GGGG                                |                     |                      | 251                   | 26                   |
| 05010W 4853N                            | 2708-13201        | 00000/0000                   | 2-20038/0356                | 12/30/76         | 80                  | 9870            | 12.9         | 151.2        | FGGG                                |                     |                      | 251                   | 26                   |
| 05010W 4138N                            | 2670-13123        | 00000/0000                   | 2-20036/1122                | 11/22/76         | 80                  | 9340            | 22.7         | 150.9        | FGGG                                |                     |                      | 249                   | 31                   |
| 05010W 2006S                            | 2515-12321        | 00000/0000                   | 2-20026/1739                | 06/20/76         | 0                   | 7178            | 29.9         | 45.6         | GGGG                                |                     |                      | 238                   | 74                   |
| 05011W 4137N                            | 2652-13131        | 00000/0000                   | 2-20035/0515                | 11/04/76         | 60                  | 9089            | 27.4         | 149.7        | GGGG                                |                     |                      | 249                   | 31                   |
| 05012W 2009S                            | 2587-12300        | 00000/0000                   | 2-20032/0376                | 08/31/76         | 10                  | 8182            | 39.1         | 59.9         | FFFF                                |                     |                      | 238                   | 74                   |
| 05012W 2548S                            | 2514-12230        | 00000/0000                   | 2-20026/1859                | 06/19/76         | 10                  | 7164            | 25.2         | 44.3         | GGGG                                |                     |                      | 237                   | 78                   |
| 05013W 2532-12273                       |                   | 00000/0000                   | 2-20028/0874                | 07/07/76         | 70                  | 7415            | 25.2         | 45.7         | GGGG                                |                     |                      | 237                   | 78                   |
| 05014W 5142N                            | 2475-13323        | 00000/0000                   | 2-20025/0166                | 05/11/76         | 90                  | 6621            | 50.5         | 138.9        | GGGG                                |                     |                      | 1                     | 24                   |

KEYS: CLOUD COVER = ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | RBV                   |                            |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 05015W                      | 5143N             | 2709-13251            | 00000/0000                 | 2-20038/0457     | 12/31/76            | 30              | 9884         | 10.8         | 152.3                 | GGGG                |                      | 1                     | 24                   |
| 05015W                      | 5143N             | 2727-13242            | 00000/0000                 | 2-20038/1496     | 01/18/77            | 90              | 135          | 12.6         | 149.7                 | GGGG                |                      | 1                     | 24                   |
| 05015W                      | 5140N             | 2691-13255            | 00000/0000                 | 2-20037/0713     | 12/13/76            | 80              | 9633         | 11.4         | 154.5                 | GGGG                |                      | 1                     | 24                   |
| 05015W                      | 2009S             | 2605-12293            | 00000/0000                 | 2-20032/1451     | 09/18/76            | 80              | 8433         | 44.0         | 66.5                  | FFFF                |                      | 238                   | 74                   |
| 05015W                      | 2009S             | 2623-12290            | 00000/0000                 | 2-20034/0347     | 10/06/76            | 60              | 8684         | 48.4         | 74.6                  | GGGG                |                      | 238                   | 74                   |
| 05015W                      | 2558S             | 2586-12260            | 00000/0000                 | 2-20032/0683     | 08/30/76            | 10              | 8168         | 35.0         | 56.7                  | GGGG                |                      | 237                   | 78                   |
| 05016W                      | 2006S             | 2641-12282            | 00000/0000                 | 2-20034/1056     | 10/24/76            | 10              | 8935         | 51.6         | 83.8                  | GGGG                |                      | 238                   | 74                   |
| 05017W                      | 4844N             | 2672-13214            | 00000/0000                 | 2-20036/1203     | 11/24/76            | 70              | 9368         | 16.7         | 154.2                 | FGGG                |                      | 251                   | 26                   |
| 05017W                      | 4840N             | 2654-13223            | 00000/0000                 | 2-20035/0566     | 11/06/76            | 100             | 9117         | 21.4         | 153.6                 | FGGG                |                      | 251                   | 26                   |
| 05018W                      | 6809N             | 2484-14190            | 00000/0000                 | 2-20025/0978     | 05/20/76            | 60              | 6747         | 41.1         | 161.8                 | GGGF                |                      | 10                    | 12                   |
| 05018W                      | 2551S             | 2656-12234            | 00000/0000                 | 2-20036/0236     | 11/10/76            | 30              | 9172         | 51.7         | 85.3                  | GGGG                |                      | 237                   | 78                   |
| 05019W                      | 2548S             | 2640-12242            | 00000/0000                 | 2-20034/1073     | 10/23/76            | 30              | 8921         | 49.5         | 77.0                  | GGGG                |                      | 237                   | 78                   |
| 05019W                      | 2550S             | 2622-12250            | 00000/0000                 | 2-20034/0380     | 10/05/76            | 90              | 8670         | 45.5         | 69.1                  | GGGG                |                      | 237                   | 78                   |
| 05019W                      | 2555S             | 2604-12253            | 00000/0000                 | 2-20032/1444     | 09/17/76            | 10              | 8419         | 40.3         | 62.2                  | PPPP                |                      | 237                   | 78                   |
| 05020W                      | 6659N             | 2465-14141            | 00000/0000                 | 2-20024/1076     | 05/01/76            | 40              | 6482         | 37.2         | 160.6                 | GGGG                |                      | 9                     | 13                   |
| 05021W                      | 5419N             | 2656-13321            | 00000/0000                 | 2-20036/0086     | 11/08/76            | 90              | 9145         | 16.3         | 156.9                 | GGGG                |                      | 2                     | 22                   |
| 05022W                      | 6657N             | 2447-14144            | 00000/0000                 | 2-20023/0453     | 04/13/76            | 30              | 6231         | 31.2         | 160.7                 | GFFG                |                      | 9                     | 13                   |
| 05022W                      | 5131N             | 2655-13272            | 00000/0000                 | 2-20036/0055     | 11/07/76            | 90              | 9131         | 18.8         | 155.2                 | GGGG                |                      | 1                     | 24                   |
| 05023W                      | 5132N             | 2673-13264            | 00000/0000                 | 2-20036/1335     | 11/25/76            | 70              | 9382         | 14.2         | 155.6                 | GGGG                |                      | 1                     | 24                   |
| 05023W                      | 5131N             | 2637-13250            | 00000/0000                 | 2-20034/0914     | 10/20/76            | 80              | 8880         | 24.5         | 153.4                 | GGGG                |                      | 1                     | 24                   |
| 05024W                      | 5419N             | 2638-13325            | 00000/0000                 | 2-20034/0983     | 10/21/76            | 90              | 8894         | 21.9         | 155.3                 | FGGG                |                      | 2                     | 22                   |
| 05028W                      | 7053N             | 2451-14361            | 00000/0000                 | 2-20023/0491     | 04/17/76            | 100             | 6287         | 29.4         | 167.5                 | GGGG                |                      | 13                    | 10                   |
| 05028W                      | 4440N             | 2707-13165            | 00000/0000                 | 2-20036/0350     | 12/29/76            | 30              | 9856         | 16.1         | 149.5                 | GGGG                |                      | 250                   | 29                   |
| 05029W                      | 4438N             | 2725-13151            | 00000/0000                 | 2-20038/0820     | 01/16/77            | 90              | 107          | 17.4         | 146.7                 | GGGG                |                      | 250                   | 29                   |
| 05030N                      | 6651N             | 2483-14134            | 00000/0000                 | 2-20025/0708     | 05/19/76            | 60              | 6733         | 41.9         | 159.6                 | GGGG                |                      | 9                     | 13                   |
| 05030N                      | 4434N             | 2689-13163            | 00000/0000                 | 2-20037/0630     | 12/11/76            | 90              | 9605         | 17.1         | 151.5                 | GGGG                |                      | 250                   | 29                   |
| 05031W                      | 7053N             | 2469-14354            | 00000/0000                 | 2-20024/1442     | 05/05/76            | 50              | 6538         | 35.1         | 167.6                 | GGGG                |                      | 13                    | 10                   |
| 05034W                      | 8038N             | 2537-17333            | 2-20029/0295               | 00000/0000       | 07/12/76            | 90              | 7488         | 29.8         | 214.1                 | PPP                 |                      | 27                    | 248                  |
| 05034W                      | 2714S             | 2514-12283            | 00000/0000                 | 2-20026/1860     | 06/19/76            | 20              | 7164         | 24.0         | 44.0                  | GGGG                |                      | 237                   | 79                   |
| 05035W                      | 4430N             | 2671-13172            | 00000/0000                 | 2-20036/1233     | 11/23/76            | 10              | 9354         | 20.2         | 152.3                 | GGGG                |                      | 250                   | 29                   |
| 05035W                      | 4426N             | 2653-13180            | 00000/0000                 | 2-20035/0578     | 11/05/76            | 100             | 9103         | 24.9         | 151.3                 | FGGG                |                      | 250                   | 29                   |
| 05037W                      | 6527N             | 2482-14082            | 00000/0000                 | 2-20025/0802     | 05/18/76            | 30              | 6719         | 42.8         | 157.4                 | GGGG                |                      | 8                     | 14                   |
| 05037W                      | 2132S             | 2641-12285            | 00000/0000                 | 2-20034/1057     | 10/24/76            | 10              | 8935         | 51.2         | 82.1                  | PPPP                |                      | 238                   | 75                   |
| 05037W                      | 2135S             | 2623-12273            | 00000/0000                 | 2-20034/0348     | 10/06/76            | 40              | 8684         | 47.8         | 73.2                  | GGGG                |                      | 238                   | 75                   |
| 05037W                      | 2717S             | 2532-12240            | 00000/0000                 | 2-20028/0875     | 07/07/76            | 60              | 7415         | 24.0         | 45.4                  | GGGG                |                      | 237                   | 79                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | GR. T<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05039N                                  | 2724S             | 2586-12263                   | 00000/0000                  | 2-20032/0684     | 08/30/76            | 10              | 8168         | 34.0         | 56.1                               | GG                  | FFFF                 | 237                   | 79                   |
| 05042N                                  | 8038N             | 2519-17340                   | 2-20029/0206                | 00000/0000       | 06/24/76            | 70              | 7237         | 31.3         | 215.1                              | GG                  | FFFF                 | 27                    | 248                  |
| 05042W                                  | 2714S             | 2640-12245                   | 00000/0000                  | 2-20034/1074     | 10/23/76            | 30              | 8921         | 48.9         | 75.6                               |                     | FFFF                 | 237                   | 79                   |
| 05042N                                  | 2720S             | 2604-12240                   | 00000/0000                  | 2-20032/1445     | 09/17/76            | 10              | 8419         | 39.4         | 61.4                               |                     | FFFF                 | 237                   | 79                   |
| 05043W                                  | 0417S             | 2518-12444                   | 00000/0000                  | 2-20028/0106     | 06/23/76            | 0               | 7220         | 42.1         | 52.7                               |                     | FFGG                 | 241                   | 63                   |
| 05045W                                  | 4726N             | 2690-13212                   | 00000/0000                  | 2-20037/0707     | 12/12/76            | 80              | 9619         | 14.8         | 152.7                              |                     | GGGG                 | 251                   | 27                   |
| 05046W                                  | 4728N             | 2708-13204                   | 00000/0000                  | 2-20038/0357     | 12/30/76            | 90              | 9570         | 14.0         | 150.6                              |                     | GGGG                 | 251                   | 27                   |
| 05047W                                  | 4730N             | 2726-13200                   | 00000/0000                  | 2-20038/1484     | 01/17/77            | 80              | 121          | 15.5         | 147.8                              |                     | GGGG                 | 251                   | 27                   |
| 05053W                                  | 4719N             | 2672-13221                   | 00000/0000                  | 2-20036/1204     | 11/24/76            | 80              | 9368         | 17.8         | 153.6                              |                     | GGGG                 | 251                   | 27                   |
| 05053W                                  | 4716N             | 2654-13225                   | 00000/0000                  | 2-20035/0567     | 11/06/76            | 90              | 9117         | 22.5         | 152.9                              |                     | GGGG                 | 251                   | 27                   |
| 05053N                                  | 2258S             | 2515-12330                   | 00000/0000                  | 2-20026/1740     | 06/20/76            | 10              | 7178         | 27.5         | 44.9                               |                     | GGGF                 | 238                   | 76                   |
| 05054W                                  | 7212N             | 2453-14471                   | 00000/0000                  | 2-20023/0505     | 04/19/76            | 30              | 6315         | 28.9         | 170.3                              |                     | FFFF                 | 15                    | 9                    |
| 05054W                                  | 5018N             | 2475-13330                   | 00000/0000                  | 2-20025/0167     | 05/11/76            | 50              | 6621         | 51.3         | 137.0                              |                     | GGGG                 | 1                     | 25                   |
| 05054W                                  | 2257S             | 2533-12323                   | 00000/0000                  | 2-20028/1556     | 07/08/76            | 90              | 7429         | 27.6         | 46.5                               |                     | GGGG                 | 238                   | 76                   |
| 05056W                                  | 5019N             | 2727-13245                   | 00000/0000                  | 2-20038/1497     | 01/18/77            | 50              | 135          | 13.6         | 149.0                              |                     | GGGG                 | 1                     | 25                   |
| 05056W                                  | 5018N             | 2709-13253                   | 00000/0000                  | 2-20038/0458     | 12/31/76            | 30              | 9884         | 11.9         | 151.7                              |                     | GGGG                 | 1                     | 25                   |
| 05056W                                  | 5016N             | 2691-13262                   | 00000/0000                  | 2-20037/0714     | 12/13/76            | 90              | 9433         | 12.5         | 153.8                              |                     | GGGG                 | 1                     | 25                   |
| 05056W                                  | 2302S             | 2587-12305                   | 00000/0000                  | 2-20037/0377     | 08/31/76            | 30              | 8182         | 37.2         | 58.3                               |                     | GGGG                 | 238                   | 76                   |
| 05058W                                  | 2839S             | 2514-12285                   | 00000/0000                  | 2-20026/1861     | 06/19/76            | 30              | 7164         | 22.8         | 43.8                               |                     | GGGG                 | 237                   | 80                   |
| 05059N                                  | 5305N             | 2632-13311                   | 00000/0000                  | 2-20037/0722     | 12/14/76            | 90              | 9647         | 10.2         | 155.1                              |                     | GGGG                 | 2                     | 23                   |
| 05059W                                  | 2258S             | 2641-12291                   | 00000/0000                  | 2-20034/1058     | 10/24/76            | 10              | 8935         | 50.7         | 80.5                               |                     | FFFF                 | 238                   | 76                   |
| 05059W                                  | 2301S             | 2623-12295                   | 00000/0000                  | 2-20034/0349     | 10/06/76            | 10              | 8684         | 47.1         | 71.9                               |                     | FFFF                 | 238                   | 76                   |
| 05059W                                  | 2302S             | 2605-12302                   | 00000/0000                  | 2-20032/1452     | 09/18/76            | 10              | 8433         | 42.4         | 64.4                               |                     | GGFF                 | 238                   | 76                   |
| 05100W                                  | 4315N             | 2707-13161                   | 00000/0000                  | 2-20038/0351     | 12/29/76            | 80              | 9856         | 17.1         | 148.9                              |                     | GGGG                 | 250                   | 30                   |
| 05100W                                  | 2301S             | 2659-12283                   | 00000/0000                  | 2-20036/0447     | 11/11/76            | 0               | 9186         | 52.4         | 89.1                               |                     | GGFG                 | 238                   | 76                   |
| 05100W                                  | 2843S             | 2532-12242                   | 00000/0000                  | 2-20028/0876     | 07/07/76            | 60              | 7415         | 22.8         | 45.2                               |                     | GGGG                 | 237                   | 80                   |
| 05101N                                  | 7037N             | 2415-14372                   | 00000/0000                  | 2-20022/0067     | 03/12/76            | 100             | 5785         | 15.7         | 165.6                              |                     | GGFG                 | 13                    | 10                   |
| 05102W                                  | 5008N             | 2655-13274                   | 00000/0000                  | 2-20036/0056     | 11/07/76            | 80              | 9131         | 19.9         | 154.5                              |                     | GGGG                 | 1                     | 25                   |
| 05102W                                  | 4313N             | 2725-13153                   | 00000/0000                  | 2-20038/0821     | 01/16/77            | 90              | 107          | 18.4         | 146.1                              |                     | GGGG                 | 250                   | 30                   |
| 05103W                                  | 5259N             | 2674-13315                   | 00000/0000                  | 2-20036/1236     | 11/26/76            | 90              | 9396         | 12.9         | 156.2                              |                     | GGGG                 | 2                     | 23                   |
| 05103W                                  | 5008N             | 2673-13270                   | 00000/0000                  | 2-20036/1336     | 11/25/76            | 60              | 9382         | 15.4         | 154.9                              |                     | GGGG                 | 1                     | 25                   |
| 05103W                                  | 5007N             | 2637-13283                   | 00000/0000                  | 2-20034/0915     | 10/20/76            | 60              | 8880         | 25.5         | 152.5                              |                     | GGGG                 | 1                     | 25                   |
| 05103W                                  | 4309N             | 2689-13170                   | 00000/0000                  | 2-20037/0631     | 12/11/76            | 70              | 9605         | 18.2         | 150.9                              |                     | GGGG                 | 250                   | 30                   |
| 05103W                                  | 2550S             | 2586-12265                   | 00000/0000                  | 2-20032/0685     | 08/30/76            | 0               | 8168         | 32.9         | 55.5                               |                     | FFFF                 | 237                   | 80                   |
| 05105W                                  | 6937N             | 2450-14310                   | 00000/0000                  | 2-20023/0294     | 04/16/76            | 40              | 6273         | 30.1         | 165.1                              |                     | GGGG                 | 12                    | 11                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, I=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 COORDINATE LISTING  
 FOR NON-US

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FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05106W                                  | 5255N             | 2656-13324                                         | 00000/0000       | 2-20036/0087        | 11/05/76        | 90           | 9145         | 17.4                               | 156.1               |                      |                       |                      |
| 05106W                                  | 2839S             | 2640-12251                                         | 00000/0000       | 2-20034/1075        | 10/23/76        | 40           | 8921         | 48.3                               | 74.3                | GGGF                 | 2                     | 23                   |
| 05106W                                  | 2842S             | 2622-12255                                         | 00000/0000       | 2-20034/0381        | 10/05/76        | 70           | 8670         | 43.9                               | 66.9                | FFFF                 | 237                   | 80                   |
| 05106W                                  | 2846S             | 2604-12262                                         | 00000/0000       | 2-20032/1446        | 09/17/76        | 0            | 8419         | 38.5                               | 60.6                | GGGG                 | 237                   | 80                   |
| 05107W                                  | 4305N             | 2671-13174                                         | 00000/0000       | 2-20036/1234        | 11/23/76        | 20           | 9354         | 21.3                               | 151.6               | FFFF                 | 237                   | 80                   |
| 05107W                                  | 4301N             | 2663-13163                                         | 00000/0000       | 2-20035/0579        | 11/05/76        | 90           | 9103         | 26.0                               | 150.5               | GGGG                 | 250                   | 30                   |
| 05108W                                  | 7739N             | 2501-15525                                         | 00000/0000       | 2-20024/1163        | 06/06/76        | 100          | 6985         | 35.0                               | 188.6               | GGGG                 | 250                   | 30                   |
| 05108W                                  | 5254N             | 2638-13332                                         | 00000/0000       | 2-20034/0984        | 10/21/76        | 90           | 8894         | 23.0                               | 154.4               | GGGG                 | 27                    | 4                    |
| 05109W                                  | 8044N             | 2575-17435                                         | 2-20031/0073     | 00000/0000          | 08/19/76        | 30           | 8018         | 20.2                               | 215.8               | GGGG                 | 2                     | 23                   |
| 05109W                                  | 3842S             | 2530-12195                                         | 00000/0000       | 2-20024/0777        | 07/05/76        | 30           | 7387         | 14.2                               | 44.4                | GGGF                 | 34                    | 247                  |
| 05110W                                  | 6937N             | 2468-14303                                         | 00000/0000       | 2-20024/1466        | 05/04/76        | 0            | 6524         | 35.9                               | 165.1               | GGGG                 | 235                   | 87                   |
| 05110W                                  | 3838S             | 2512-12202                                         | 00000/0000       | 2-20026/1792        | 06/17/76        | 20           | 7136         | 14.3                               | 43.2                | GGGG                 | 12                    | 11                   |
| 05111W                                  | 8007N             | 2514-17055                                         | 00000/0000       | 2-20027/0046        | 06/19/76        | 0            | 7167         | 32.4                               | 207.4               | GGGG                 | 235                   | 87                   |
| 05111W                                  | 3851S             | 2584-12182                                         | 00000/0000       | 2-20032/0459        | 08/28/76        | 90           | 8140         | 24.9                               | 52.5                | GGGG                 | 40                    | 1                    |
| 05115W                                  | 3841S             | 2620-12172                                         | 00000/0000       | 2-20034/0264        | 10/03/76        | 40           | 8642         | 37.1                               | 60.6                | GGGG                 | 235                   | 87                   |
| 05116W                                  | 2424S             | 2515-12332                                         | 00000/0000       | 2-20026/1741        | 06/20/76        | 10           | 7178         | 26.3                               | 44.6                | GGGG                 | 235                   | 87                   |
| 05117W                                  | 2423S             | 2533-12325                                         | 00000/0000       | 2-20028/1557        | 07/08/76        | 90           | 7429         | 26.4                               | 45.1                | GGGG                 | 238                   | 77                   |
| 05117W                                  | 3838S             | 2638-12164                                         | 00000/0000       | 2-20034/0943        | 10/21/76        | 90           | 8893         | 42.6                               | 65.9                | GGGG                 | 238                   | 77                   |
| 05117W                                  | 3844S             | 2602-12175                                         | 00000/0000       | 2-20032/1343        | 09/15/76        | 90           | 8391         | 30.9                               | 56.2                | GGGG                 | 235                   | 87                   |
| 05119W                                  | 2428S             | 2587-12312                                         | 00000/0000       | 2-20032/0378        | 08/31/76        | 30           | 8182         | 36.3                               | 57.6                | FFFF                 | 235                   | 87                   |
| 05120W                                  | 8100N             | 2544-18130                                         | 2-20029/0266     | 00000/0000          | 07/19/76        | 0            | 7586         | 27.5                               | 223.3               | PPPP                 | 238                   | 77                   |
| 05120W                                  | 4601N             | 2630-13215                                         | 00000/0000       | 2-20037/0708        | 12/12/76        | 80           | 9619         | 15.9                               | 152.1               | GGG                  | 40                    | 246                  |
| 05121W                                  | 4603N             | 2708-13210                                         | 00000/0000       | 2-20038/0358        | 12/30/76        | 80           | 9870         | 15.0                               | 150.0               | GGGG                 | 251                   | 28                   |
| 05121W                                  | 2428S             | 2623-12302                                         | 00000/0000       | 2-20034/0350        | 10/06/76        | 10           | 8684         | 46.4                               | 70.6                | GGGG                 | 251                   | 28                   |
| 05121W                                  | 2428S             | 2659-12290                                         | 00000/0000       | 2-20036/0448        | 11/11/76        | 30           | 9186         | 52.1                               | 87.4                | FFFF                 | 238                   | 77                   |
| 05122W                                  | 7318N             | 2437-14545                                         | 00000/0000       | 2-20022/1222        | 04/03/76        | 90           | 6092         | 22.1                               | 172.2               | GGGG                 | 238                   | 77                   |
| 05122W                                  | 4604N             | 2726-13202                                         | 00000/0000       | 2-20038/1485        | 01/17/77        | 80           | 121          | 16.6                               | 147.2               | GGGG                 | 17                    | 8                    |
| 05122W                                  | 2424S             | 2641-12294                                         | 00000/0000       | 2-20034/1059        | 10/24/76        | 10           | 8935         | 50.2                               | 79.0                | GGGG                 | 251                   | 28                   |
| 05122W                                  | 2427S             | 2605-12305                                         | 00000/0000       | 2-20032/1453        | 09/18/76        | 10           | 8433         | 41.5                               | 63.5                | FFFF                 | 238                   | 77                   |
| 05126W                                  | 8040N             | 2538-17391                                         | 2-20029/0283     | 00000/0000          | 07/13/76        | 90           | 7502         | 29.6                               | 214.6               | GGGG                 | 238                   | 77                   |
| 05126W                                  | 8014N             | 2587-17099                                         | 2-20033/0163     | 00000/0000          | 08/31/76        | 90           | 8185         | 17.2                               | 207.2               | GGG                  | 25                    | 248                  |
| 05127W                                  | 3016S             | 2586-12272                                         | 00000/0000       | 2-20032/0686        | 08/30/76        | 10           | 8168         | 31.9                               | 55.0                | FFFF                 | 40                    | 1                    |
| 05128W                                  | 4555N             | 2672-13223                                         | 00000/0000       | 2-20036/1205        | 11/24/76        | 80           | 9368         | 18.9                               | 152.9               | GGGG                 | 237                   | 81                   |
| 05129W                                  | 4552N             | 2654-13232                                         | 00000/0000       | 2-20035/0568        | 11/06/76        | 100          | 9117         | 23.6                               | 152.1               | GGGG                 | 251                   | 28                   |
| 05130W                                  | 7736N             | 2519-15522                                         | 00000/0000       | 2-20028/0021        | 06/24/76        | 100          | 7236         | 35.8                               | 187.1               | GGGF                 | 251                   | 28                   |
|                                         |                   |                                                    |                  |                     |                 |              |              |                                    |                     | GGGG                 | 27                    | 4                    |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05130W                                  | 3005S             | 2640-12254                                         | 00000/0000       | 2-20034/1076        | 10/23/76        | 90           | 8921         | 47.6                               | 73.0                |                      |                       |                      |
| 05130W                                  | 3012S             | 2604-12265                                         | 00000/0000       | 2-20032/1447        | 09/17/76        | 10           | 8419         | 37.6                               | 59.9                | FFFF                 | 237                   | 81                   |
| 05132W                                  | 4853N             | 2475-13332                                         | 00000/0000       | 2-20025/0168        | 05/11/76        | 60           | 6621         | 52.1                               | 135.0               | PPPP                 | 237                   | 81                   |
| 05132W                                  | 4149N             | 2707-13164                                         | 00000/0000       | 2-20038/0352        | 12/29/76        | 90           | 9856         | 18.2                               | 148.3               | GGGG                 | 1                     | 26                   |
| 05134W                                  | 4144N             | 2689-13172                                         | 00000/0000       | 2-20037/0632        | 12/11/76        | 60           | 9605         | 19.3                               | 150.3               | GGGG                 | 250                   | 31                   |
| 05135W                                  | 6815N             | 2467-14251                                         | 00000/0000       | 2-20024/1323        | 05/03/76        | 0            | 6510         | 36.8                               | 162.7               | GGGG                 | 250                   | 31                   |
| 05135W                                  | 4854N             | 2727-13251                                         | 00000/0000       | 2-20038/1498        | 01/18/77        | 10           | 135          | 14.7                               | 148.3               | GGG                  | 11                    | 12                   |
| 05135W                                  | 4853N             | 2709-13260                                         | 00000/0000       | 2-20038/0459        | 12/31/76        | 10           | 9884         | 12.9                               | 151.1               | GGGG                 | 1                     | 26                   |
| 05135W                                  | 4851N             | 2691-13264                                         | 00000/0000       | 2-20037/0715        | 12/13/76        | 90           | 9633         | 13.6                               | 153.2               | GGGF                 | 1                     | 26                   |
| 05136W                                  | 2007S             | 2516-12375                                         | 00000/0000       | 2-20027/0230        | 06/21/76        | 0            | 7192         | 29.8                               | 45.7                | GGGG                 | 1                     | 26                   |
| 05138W                                  | 4140N             | 2671-13141                                         | 00000/0000       | 2-20036/1235        | 11/23/76        | 60           | 9354         | 22.4                               | 150.9               | FFFF                 | 239                   | 74                   |
| 05138W                                  | 4136N             | 2653-13185                                         | 00000/0000       | 2-20035/0580        | 11/05/76        | 90           | 9103         | 27.1                               | 149.8               | GGGG                 | 250                   | 31                   |
| 05139W                                  | 5145N             | 2710-13305                                         | 00000/0000       | 2-20038/0362        | 01/01/77        | 80           | 9898         | 10.8                               | 152.2               | GGGG                 | 250                   | 31                   |
| 05139W                                  | 2010S             | 2588-12355                                         | 00000/0000       | 2-20032/0480        | 09/01/76        | 10           | 8196         | 39.4                               | 60.2                | GGGG                 | 2                     | 24                   |
| 05139W                                  | 2550S             | 2515-12335                                         | 00000/0000       | 2-20027/0097        | 06/20/76        | 0            | 7178         | 25.1                               | 44.3                | GGGG                 | 239                   | 74                   |
| 05140W                                  | 4843N             | 2655-13281                                         | 00000/0000       | 2-20036/0057        | 11/07/76        | 80           | 9131         | 21.0                               | 153.7               | P PF                 | 238                   | 78                   |
| 05140W                                  | 2011S             | 2606-12352                                         | 00000/0000       | 2-20032/1533        | 09/19/76        | 90           | 8447         | 44.2                               | 66.9                | GGGG                 | 1                     | 26                   |
| 05140W                                  | 2549S             | 2533-12332                                         | 00000/0000       | 2-20028/1558        | 07/08/76        | 80           | 7429         | 25.2                               | 45.8                | GGGG                 | 239                   | 74                   |
| 05141W                                  | 5141N             | 2692-13313                                         | 00000/0000       | 2-20037/0723        | 12/14/76        | 80           | 9647         | 11.3                               | 154.4               | GGGG                 | 238                   | 78                   |
| 05141W                                  | 2008S             | 2624-12344                                         | 00000/0000       | 2-20034/0434        | 10/07/76        | 10           | 8698         | 48.6                               | 75.1                | GGGG                 | 2                     | 24                   |
| 05141W                                  | 2545S             | 2587-12314                                         | 00000/0000       | 2-20032/0379        | 08/31/76        | 40           | 8182         | 35.3                               | 57.0                | GGGG                 | 239                   | 74                   |
| 05142W                                  | 5143N             | 2728-13301                                         | 00000/0000       | 2-20038/1489        | 01/19/77        | 60           | 149          | 12.8                               | 149.5               | FFFF                 | 238                   | 78                   |
| 05142W                                  | 4843N             | 2637-13285                                         | 00000/0000       | 2-20034/0916        | 10/20/76        | 70           | 8880         | 26.6                               | 151.6               | GGGG                 | 2                     | 24                   |
| 05142W                                  | 4843N             | 2673-13273                                         | 00000/0000       | 2-20036/1337        | 11/25/76        | 20           | 9382         | 16.5                               | 154.2               | GGGG                 | 1                     | 26                   |
| 05142W                                  | 2006S             | 2642-12340                                         | 00000/0000       | 2-20035/0138        | 10/25/76        | 90           | 8949         | 51.7                               | 84.3                | GGGG                 | 1                     | 26                   |
| 05143W                                  | 8040N             | 2556-17334                                         | 2-20031/0021     | 00000/0000          | 07/31/76        | 90           | 7753         | 26.0                               | 213.8               | GGGG                 | 239                   | 74                   |
| 05143W                                  | 7819N             | 2504-16094                                         | 00000/0000       | 2-20026/1222        | 06/09/76        | 90           | 7027         | 34.5                               | 192.3               | G G                  | 23                    | 243                  |
| 05144W                                  | 2550S             | 2641-12300                                         | 00000/0000       | 2-20034/1060        | 10/24/76        | 20           | 8935         | 49.7                               | 77.5                | GGGG                 | 31                    | 3                    |
| 05145W                                  | 6808N             | 2485-14244                                         | 00000/0000       | 2-20025/0852        | 05/21/76        | 30           | 6761         | 41.3                               | 161.7               | GGGG                 | 238                   | 78                   |
| 05145W                                  | 6657N             | 2466-14195                                         | 00000/0000       | 2-20024/1227        | 05/02/76        | 0            | 6496         | 37.5                               | 160.6               | GGFF                 | 11                    | 12                   |
| 05145W                                  | 5135N             | 2674-13322                                         | 00000/0000       | 2-20036/1237        | 11/26/76        | 90           | 9396         | 14.0                               | 155.5               | GGGG                 | 10                    | 13                   |
| 05148W                                  | 5422N             | 2675-13371                                         | 00000/0000       | 2-20036/1379        | 11/27/76        | 90           | 9410         | 11.6                               | 156.9               | GGGG                 | 2                     | 24                   |
| 05149W                                  | 5131N             | 2656-13330                                         | 00000/0000       | 2-20036/0088        | 11/08/76        | 60           | 9145         | 18.5                               | 155.3               | GGGG                 | 3                     | 22                   |
| 05150W                                  | 6539N             | 2465-14143                                         | 00000/0000       | 2-20024/1077        | 05/01/76        | 10           | 6482         | 38.3                               | 158.6               | GGGG                 | 2                     | 24                   |
| 05150W                                  | 5418N             | 2639-13383                                         | 00000/0000       | 2-20034/1035        | 10/22/76        | 90           | 8908         | 21.6                               | 155.4               | GGGG                 | 9                     | 14                   |
|                                         |                   |                                                    |                  |                     |                 |              |              |                                    |                     |                      | 3                     | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 05150W                      | 5418N             | 2657-13375            | 00000/0000           | 2-20036/0193     | 11/09/76            | 90              | 9159         | 16.0         | 156.9                 |                     |                      | 3                     | 22                   |
| 05151W                      | 5130N             | 2638-13334            | 00000/0000           | 2-20034/0985     | 10/21/76            | 40              | 8894         | 24.1         | 153.8                 |                     |                      | 2                     | 24                   |
| 05152W                      | 6536N             | 2447-14150            | 00000/0000           | 2-20023/0454     | 04/13/76            | 20              | 6231         | 32.2         | 158.8                 |                     |                      | 9                     | 14                   |
| 05154W                      | 4437N             | 2690-13221            | 00000/0000           | 2-20037/0709     | 12/12/76            | 90              | 9619         | 17.0         | 151.5                 |                     |                      | 251                   | 29                   |
| 05155W                      | 7304N             | 2509-14565            | 00000/0000           | 2-20024/1573     | 06/14/76            | 90              | 7096         | 40.0         | 170.9                 |                     |                      | 17                    | 8                    |
| 05155W                      | 7055N             | 2452-14420            | 00000/0000           | 2-20024/0071     | 04/18/76            | 20              | 6301         | 29.7         | 167.5                 |                     |                      | 14                    | 10                   |
| 05155W                      | 4438N             | 2706-13213            | 00000/0000           | 2-20038/0359     | 12/30/76            | 80              | 9870         | 16.1         | 149.4                 |                     |                      | 251                   | 29                   |
| 05156W                      | 4439N             | 2726-13205            | 00000/0000           | 2-20038/1486     | 01/17/77            | 80              | 121          | 17.6         | 146.5                 |                     |                      | 251                   | 29                   |
| 05157W                      | 6649N             | 2484-14192            | 00000/0000           | 2-20025/0919     | 05/20/76            | 10              | 6747         | 42.1         | 169.5                 |                     |                      | 10                    | 13                   |
| 05159W                      | 8059N             | 2526-18133            | 2-20033/0078         | 00000/0000       | 07/01/76            | 40              | 7335         | 29.8         | 223.4                 | GGG                 |                      | 41                    | 246                  |
| 05159W                      | 6630N             | 2443-14141            | 00000/0000           | 2-20025/0709     | 05/19/76            | 50              | 6733         | 43.0         | 157.4                 |                     |                      | 9                     | 14                   |
| 05201W                      | 7542N             | 2442-15263            | 00000/0000           | 2-20022/1495     | 04/08/76            | 90              | 6162         | 21.7         | 179.5                 |                     |                      | 22                    | 6                    |
| 05201W                      | 4430N             | 2672-13230            | 00000/0000           | 2-20036/1206     | 11/24/76            | 60              | 9368         | 20.0         | 152.3                 |                     |                      | 251                   | 29                   |
| 05202W                      | 2134S             | 2624-12351            | 00000/0000           | 2-20034/0435     | 10/07/76            | 10              | 8698         | 48.0         | 73.7                  |                     |                      | 239                   | 75                   |
| 05202W                      | 2715S             | 2515-12341            | 00000/0000           | 2-20027/0099     | 06/20/76            | 10              | 7178         | 23.9         | 44.1                  |                     |                      | 238                   | 79                   |
| 05203W                      | 7048N             | 2470-14413            | 00000/0000           | 2-20025/0192     | 05/06/76            | 30              | 6552         | 35.5         | 167.5                 |                     |                      | 14                    | 10                   |
| 05203W                      | 4428N             | 2654-13234            | 00000/0000           | 2-20035/0569     | 11/06/76            | 100             | 9117         | 24.7         | 151.4                 |                     |                      | 251                   | 29                   |
| 05203W                      | 2715S             | 2533-12334            | 00000/0000           | 2-20028/1559     | 07/08/76            | 80              | 7429         | 24.1         | 45.6                  |                     |                      | 238                   | 79                   |
| 05204W                      | 2131S             | 2642-12343            | 00000/0000           | 2-20035/0139     | 10/25/76            | 80              | 8949         | 51.3         | 82.6                  |                     |                      | 239                   | 75                   |
| 05205W                      | 2721S             | 2547-12321            | 00000/0000           | 2-20032/0380     | 08/31/76            | 10              | 8182         | 34.3         | 56.4                  |                     |                      | 238                   | 79                   |
| 05207W                      | 2716S             | 2641-12303            | 00000/0000           | 2-20034/1061     | 10/24/76            | 60              | 8935         | 49.1         | 76.1                  |                     |                      | 238                   | 79                   |
| 05208W                      | 2718S             | 2605-12314            | 00000/0000           | 2-20032/1454     | 09/18/76            | 10              | 8433         | 39.7         | 61.8                  |                     |                      | 238                   | 79                   |
| 05208W                      | 2719S             | 2623-12311            | 00000/0000           | 2-20034/0351     | 10/06/76            | 10              | 8684         | 45.0         | 68.3                  |                     |                      | 238                   | 79                   |
| 05209W                      | 7048N             | 2434-14423            | 00000/0000           | 2-20022/1068     | 03/31/76            | 30              | 6050         | 23.1         | 166.7                 |                     |                      | 14                    | 10                   |
| 05209W                      | 4728N             | 2475-13335            | 00000/0000           | 2-20025/0169     | 05/11/76            | 80              | 6621         | 52.8         | 133.0                 |                     |                      | 1                     | 27                   |
| 05212W                      | 4729N             | 2727-13254            | 00000/0000           | 2-20035/1499     | 01/18/77            | 10              | 135          | 15.7         | 147.7                 |                     |                      | 1                     | 27                   |
| 05212W                      | 4725N             | 2631-13271            | 00000/0000           | 2-20037/0716     | 12/13/76            | 80              | 9633         | 14.7         | 152.6                 |                     |                      | 1                     | 27                   |
| 05216W                      | 8035N             | 2520-17394            | 2-20029/0214         | 00000/0000       | 06/25/76            | 90              | 7251         | 31.3         | 214.9                 | P                   |                      | 29                    | 248                  |
| 05217W                      | 4719N             | 2655-13283            | 00000/0000           | 2-20036/0058     | 11/07/76            | 70              | 9131         | 22.1         | 153.0                 |                     |                      | 1                     | 27                   |
| 05218W                      | 4719N             | 2673-13275            | 00000/0000           | 2-20036/1338     | 11/25/76            | 60              | 9382         | 17.6         | 153.5                 |                     |                      | 1                     | 27                   |
| 05219W                      | 7936N             | 2457-16503            | 00000/0000           | 2-20023/0547     | 04/23/76            | 90              | 6372         | 22.4         | 202.3                 |                     |                      | 36                    | 2                    |
| 05219W                      | 4718N             | 2637-13292            | 00000/0000           | 2-20034/0917     | 10/20/76            | 60              | 8880         | 27.7         | 150.7                 |                     |                      | 1                     | 27                   |
| 05220W                      | 5020N             | 2710-13311            | 00000/0000           | 2-20038/0363     | 01/01/77            | 80              | 9898         | 11.9         | 151.6                 |                     |                      | 2                     | 25                   |
| 05221W                      | 5017N             | 2692-13320            | 00000/0000           | 2-20037/0724     | 12/14/76            | 80              | 9647         | 12.4         | 153.8                 |                     |                      | 2                     | 25                   |
| 05221W                      | 2259S             | 2534-12381            | 00000/0000           | 2-20028/1086     | 07/09/76            | 90              | 7443         | 27.6         | 46.6                  |                     |                      | 239                   | 76                   |

KEYS: CLOUD COVER % ..... Q TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 77

LANDSAT-2  
COORDINATE LISTING

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FBR NON-US

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05222W 5544N                            | 2406-13504        | 00000/0000 2-20021/1024                            | 03/03/76         | 80                  | 5659            | 23.6         | 149.8        |                                    |                     |                      |                       |                      |
| 05222W 5543N                            | 2532-13471        | 00000/0000 2-20028/0883                            | 07/07/76         | 90                  | 7416            | 51.4         | 138.3        | GGGG                               |                     |                      | 4                     | 21                   |
| 05222W 5018N                            | 2728-13303        | 00000/0000 2-20038/1490                            | 01/19/77         | 40                  | 149             | 13.8         | 148.8        | GGGG                               |                     |                      | 4                     | 21                   |
| 05223W 5546N                            | 2496-13480        | 00000/0000 2-20024/0159                            | 06/01/76         | 100                 | 6914            | 51.7         | 141.3        | GGGG                               |                     |                      | 2                     | 25                   |
| 05223W 5546N                            | 2676-13423        | 00000/0000 2-20036/1445                            | 11/28/76         | 90                  | 9424            | 10.2         | 157.6        | GGGG                               |                     |                      | 4                     | 21                   |
| 05223W 2304S                            | 2588-12364        | 00000/0000 2-20032/0481                            | 09/01/76         | 10                  | 8196            | 37.5         | 58.6         | FGGG                               |                     |                      | 4                     | 21                   |
| 05224W 5309N                            | 2711-13360        | 00000/0000 2-20038/0091                            | 01/02/77         | 90                  | 9912            | 9.8          | 152.7        | FFFF                               |                     |                      | 239                   | 76                   |
| 05225W 5546N                            | 2550-13463        | 00000/0000 2-20030/0303                            | 07/25/76         | 90                  | 7667            | 48.4         | 139.5        | FGGG                               |                     |                      | 3                     | 23                   |
| 05225W 5306N                            | 2693-13365        | 00000/0000 2-20037/0845                            | 12/15/76         | 90                  | 9661            | 10.1         | 154.9        | FGGG                               |                     |                      | 4                     | 21                   |
| 05225W 5011N                            | 2674-13324        | 00000/0000 2-20036/1238                            | 11/26/76         | 80                  | 9396            | 15.1         | 154.9        | GGG                                |                     |                      | 3                     | 23                   |
| 05225W 2258S                            | 2660-12341        | 00000/0000 2-20036/0429                            | 11/12/76         | 10                  | 9200            | 52.4         | 89.7         | GGGG                               |                     |                      | 2                     | 25                   |
| 05225W 2259S                            | 2624-12353        | 00000/0000 2-20034/0436                            | 10/07/76         | 10                  | 8698            | 47.4         | 72.3         | FFFF                               |                     |                      | 239                   | 76                   |
| 05225W 2302S                            | 2606-12361        | 00000/0000 2-20037/1534                            | 09/19/76         | 10                  | 8447            | 42.6         | 64.8         | GGGG                               |                     |                      | 239                   | 76                   |
| 05226W 7533N                            | 2496-15250        | 00000/0000 2-20026/0541                            | 06/01/76         | 90                  | 6915            | 36.6         | 179.4        | PGGG                               |                     |                      | 239                   | 76                   |
| 05226W 5307N                            | 2729-13352        | 00000/0000 2-20038/1540                            | 01/20/77         | 100                 | 163             | 11.9         | 150.1        | FFFF                               |                     |                      | 22                    | 25                   |
| 05226W 2841S                            | 2515-12344        | 00000/0000 2-20027/0100                            | 06/20/76         | 10                  | 7178            | 22.7         | 43.8         | FGGG                               |                     |                      | 3                     | 23                   |
| 05227W 4312N                            | 2690-13224        | 00000/0000 2-20037/0710                            | 12/12/76         | 70                  | 9619            | 18.1         | 150.9        | FFFF                               |                     |                      | 238                   | 80                   |
| 05227W 2841S                            | 2533-12341        | 00000/0000 2-20028/1560                            | 07/08/76         | 50                  | 7429            | 22.9         | 45.3         | GGGG                               |                     |                      | 251                   | 30                   |
| 05228W 7534N                            | 2424-15270        | 00000/0000 2-20021/1757                            | 03/21/76         | 90                  | 5911            | 14.9         | 177.8        | GGGG                               |                     |                      | 238                   | 80                   |
| 05228W 7211N                            | 2454-14530        | 00000/0000 2-20023/0519                            | 04/20/76         | 50                  | 6329            | 29.3         | 170.3        | FGGF                               |                     |                      | 22                    | 6                    |
| 05228W 4313N                            | 2706-13215        | 00000/0000 2-20038/0360                            | 12/30/76         | 80                  | 9870            | 17.2         | 148.8        | GGGG                               |                     |                      | 16                    | 9                    |
| 05228W 2846S                            | 2587-12323        | 00000/0000 2-20032/0381                            | 08/31/76         | 0                   | 8182            | 33.3         | 55.8         | FFFF                               |                     |                      | 251                   | 30                   |
| 05229W 5542N                            | 2640-13435        | 00000/0000 2-20034/1024                            | 10/23/76         | 90                  | 8922            | 20.1         | 156.5        | PPP                                |                     |                      | 238                   | 80                   |
| 05229W 5542N                            | 2658-13431        | 00000/0000 2-20036/0267                            | 11/10/76         | 90                  | 9173            | 14.6         | 157.7        | GGGG                               |                     |                      | 4                     | 21                   |
| 05229W 5007N                            | 2656-13333        | 00000/0000 2-20036/0089                            | 11/08/76         | 20                  | 9145            | 19.6         | 154.5        | FGGG                               |                     |                      | 4                     | 21                   |
| 05229W 5001N                            | 2404-13405        | 2-20027/0594 00000/0000                            | 03/01/76         | 20                  | 5631            | 26.8         | 145.9        | GGGG                               |                     |                      | 2                     | 25                   |
| 05229W 4313N                            | 2726-13211        | 00000/0000 2-20038/1487                            | 01/17/77         | 80                  | 121             | 18.6         | 145.9        | G                                  |                     |                      | 2                     | 25                   |
| 05230W 7934N                            | 2475-16500        | 00000/0000 2-20025/0164                            | 05/11/76         | 100                 | 6623            | 27.7         | 202.9        | GGGG                               |                     |                      | 251                   | 30                   |
| 05230W 5006N                            | 2638-13341        | 00000/0000 2-20034/0986                            | 10/21/76         | 10                  | 8894            | 25.2         | 152.6        | FGGG                               |                     |                      | 34                    | ?                    |
| 05231W 2841S                            | 2641-12305        | 00000/0000 2-20034/1062                            | 10/24/76         | 30                  | 8935            | 48.5         | 74.7         | GGGG                               |                     |                      | 0                     | 20                   |
| 05231W 2845S                            | 2605-12320        | 00000/0000 2-20037/1455                            | 09/18/76         | 20                  | 8433            | 38.8         | 61.0         | GGGG                               |                     |                      | 236                   | 20                   |
| 05232W 2845S                            | 2623-12313        | 00000/0000 2-20034/0352                            | 10/06/76         | 10                  | 8684            | 44.2         | 67.2         | FFFF                               |                     |                      | 238                   | 20                   |
| 05233W 6936N                            | 2451-14364        | 00000/0000 2-20023/0492                            | 04/17/76         | 70                  | 6287            | 30.5         | 165.0        | FFFF                               |                     |                      | 238                   | 80                   |
| 05233W 5258N                            | 2675-13373        | 00000/0000 2-20036/1380                            | 11/27/76         | 70                  | 9410            | 12.7         | 156.2        | GGGG                               |                     |                      | 13                    | 11                   |
| 05233W 4305N                            | 2672-13232        | 00000/0000 2-20036/1207                            | 11/24/76         | 80                  | 9368            | 21.1         | 151.6        | GGGG                               |                     |                      | 3                     | 23                   |
|                                         |                   |                                                    |                  |                     |                 |              |              |                                    |                     |                      | 251                   | 30                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05235W 6936N                            | 2469-14361        | 00000/0000 2-20024/1443                            | 05/05/76         | 10                  | 6538            | 36.2         | 165.1        | GGGF                               |                     |                      | 13                    | 11                   |
| 05235W 5254N                            | 2639-13390        | 00000/0000 2-20034/1036                            | 10/22/76         | 90                  | 8908            | 22.7         | 154.5        | GGGG                               |                     |                      | 3                     | 23                   |
| 05235W 5253N                            | 2657-13382        | 00000/0000 2-20034/0194                            | 11/09/76         | 90                  | 9159            | 17.1         | 156.1        | FGGG                               |                     |                      | 3                     | 23                   |
| 05235W 4300N                            | 2654-13241        | 00000/0000 2-20035/0570                            | 11/06/76         | 100                 | 9117            | 25.7         | 150.6        | FGGG                               |                     |                      | 251                   | 30                   |
| 05242W 8006N                            | 2551-17103        | P-20030/1894 00000/0000                            | 07/26/76         | 50                  | 7683            | 28.3         | 205.5        | GGG                                |                     |                      | 41                    | 1                    |
| 05242W 7527N                            | 2514-15244        | 00000/0000 2-20027/0045                            | 06/19/76         | 100                 | 7166            | 38.0         | 178.0        | GGGG                               |                     |                      | 22                    | 6                    |
| 05242W 1842S                            | 2517-12431        | 00000/0000 2-20027/0321                            | 06/22/76         | 0                   | 7206            | 30.9         | 46.1         | FFFF                               |                     |                      | 240                   | 73                   |
| 05242W 2425S                            | 2516-12391        | 00000/0000 2-20027/0244                            | 06/21/76         | 0                   | 7192            | 26.3         | 44.6         | FFFF                               |                     |                      | 239                   | 77                   |
| 05243W 1842S                            | 2589-12410        | 00000/0000 2-20032/0467                            | 09/02/76         | 0                   | 8210            | 40.6         | 61.4         | GGGG                               |                     |                      | 240                   | 73                   |
| 05243W 2425S                            | 2534-12383        | 00000/0000 2-20028/1087                            | 07/09/76         | 90                  | 7443            | 26.4         | 46.2         | GGGF                               |                     |                      | 239                   | 77                   |
| 05244W 4603N                            | 2475-13341        | 00000/0000 2-20025/0170                            | 05/11/76         | 40                  | 6621            | 53.5         | 131.0        | GGGG                               |                     |                      | 1                     | 28                   |
| 05245W 2430S                            | 2588-12370        | 00000/0000 2-20032/0482                            | 09/01/76         | 0                   | 8196            | 36.5         | 57.9         | FFFF                               |                     |                      | 239                   | 77                   |
| 05246W 1842S                            | 2625-12400        | 00000/0000 2-20034/0338                            | 10/08/76         | 70                  | 8712            | 49.4         | 77.0         | FGFG                               |                     |                      | 240                   | 73                   |
| 05246W 1846S                            | 2607-12403        | 00000/0000 2-20032/1594                            | 09/20/76         | 80                  | 8461            | 45.3         | 68.4         | FG G                               |                     |                      | 240                   | 73                   |
| 05247W 4604N                            | 2727-13260        | 00000/0000 2-20032/1500                            | 01/18/77         | 10                  | 135             | 16.7         | 147.0        | FGGG                               |                     |                      | 1                     | 28                   |
| 05247W 4603N                            | 2709-13265        | 00000/0000 2-20038/0460                            | 12/31/76         | 30                  | 9834            | 15.1         | 149.8        | GGGG                               |                     |                      | 1                     | 28                   |
| 05247W 4601N                            | 2691-13273        | 00000/0000 2-20037/0717                            | 12/13/76         | 100                 | 9633            | 15.8         | 152.0        | GGGG                               |                     |                      | 1                     | 28                   |
| 05247W 1840S                            | 2643-12392        | 00000/0000 2-20035/0071                            | 10/26/76         | 80                  | 8963            | 52.2         | 86.6         | GGGG                               |                     |                      | 240                   | 73                   |
| 05247W 2424S                            | 2660-12344        | 00000/0000 2-20036/0430                            | 11/12/76         | 10                  | 9200            | 52.1         | 87.9         | FFFF                               |                     |                      | 239                   | 77                   |
| 05247W 2428S                            | 2606-12363        | 00000/0000 2-20032/1535                            | 09/19/76         | 10                  | 8447            | 41.8         | 63.8         | FFFF                               |                     |                      | 239                   | 77                   |
| 05248W 2425S                            | 2624-12360        | 00000/0000 2-20034/0437                            | 10/07/76         | 0                   | 8698            | 46.7         | 71.1         | GGGG                               |                     |                      | 239                   | 77                   |
| 05250W 3007S                            | 2515-12350        | 00000/0000 2-20027/0098                            | 06/20/76         | 30                  | 7178            | 21.5         | 43.7         | FFFF                               |                     |                      | 238                   | 81                   |
| 05251W 8012N                            | 2588-17151        | P-20033/0169 00000/0000                            | 09/01/76         | 20                  | 8199            | 16.9         | 207.1        | GGG                                |                     |                      | 41                    | 1                    |
| 05251W 3007S                            | 2533-12343        | 00000/0000 2-20028/1561                            | 07/08/76         | 50                  | 7429            | 21.7         | 45.1         | GGGF                               |                     |                      | 238                   | 81                   |
| 05252W 4555N                            | 2673-13282        | 00000/0000 2-20034/1339                            | 11/25/76         | 30                  | 9382            | 18.7         | 152.9        | FGGG                               |                     |                      | 1                     | 28                   |
| 05253W 4553N                            | 2655-13290        | 00000/0000 2-20034/0059                            | 11/07/76         | 80                  | 9131            | 23.2         | 152.2        | GGGG                               |                     |                      | 1                     | 28                   |
| 05254W 4553N                            | 2637-13294        | 00000/0000 2-20034/0918                            | 10/20/76         | 40                  | 8880            | 28.8         | 149.9        | FGGG                               |                     |                      | 1                     | 28                   |
| 05255W 8006N                            | 2533-17110        | P-20029/0278 00000/0000                            | 07/08/76         | 90                  | 7432            | 31.4         | 206.1        | GGG                                |                     |                      | 41                    | 1                    |
| 05255W 3011S                            | 2605-12323        | 00000/0000 2-20032/1456                            | 09/18/76         | 10                  | 8433            | 37.9         | 60.2         | FFFF                               |                     |                      | 238                   | 81                   |
| 05256W 6819N                            | 2450-14312        | 00000/0000 2-20023/0295                            | 04/16/76         | 90                  | 6273            | 31.2         | 162.8        | GGGF                               |                     |                      | 12                    | 12                   |
| 05256W 3006S                            | 2641-12312        | 00000/0000 2-20034/1063                            | 10/24/76         | 30                  | 8935            | 47.8         | 73.4         | PPPP                               |                     |                      | 238                   | 81                   |
| 05256W 3011S                            | 2623-12320        | 00000/0000 2-20034/0353                            | 10/06/76         | 20                  | 8684            | 43.4         | 66.2         | FGGG                               |                     |                      | 238                   | 81                   |
| 05258W 4146N                            | 2690-13230        | 00000/0000 2-20037/0711                            | 12/12/76         | 50                  | 9619            | 19.2         | 150.3        | GGGG                               |                     |                      | 251                   | 31                   |
| 05259W 8041N                            | 2557-17442        | P-20031/0028 00000/0000                            | 08/01/76         | 100                 | 7767            | 25.7         | 214.0        | GGG                                |                     |                      | 29                    | 248                  |
| 05259W 4855N                            | 2710-13314        | 00000/0000 2-20038/0364                            | 01/01/77         | 80                  | 9898            | 12.9         | 150.9        | GGGG                               |                     |                      | 2                     | 26                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSG<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBV<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05259W 4853N                            | 2692-13322        | 00000/0000 2-20037/0725                            | 12/14/76         | 60                  | 9647            | 13.5         | 153.1        | GGGG                               |                     |                      | 2                     | 26                   |
| 05259W 4147N                            | 2708-13222        | 00000/0000 2-20038/0361                            | 12/30/76         | 70                  | 9870            | 18.2         | 148.2        | GGGG                               |                     |                      | 251                   | 31                   |
| 05300W 4854N                            | 2728-13310        | 00000/0000 2-20038/1491                            | 01/19/77         | 30                  | 149             | 14.8         | 148.2        | GGGG                               |                     |                      | 2                     | 26                   |
| 05300W 4148N                            | 2726-13214        | 00000/0000 2-20038/1488                            | 01/17/77         | 60                  | 121             | 15.6         | 145.2        | GGGG                               |                     |                      | 251                   | 31                   |
| 05301W 6920N                            | 2415-14375        | 00000/0000 2-20022/0068                            | 03/12/76         | 90                  | 5785            | 16.8         | 163.5        | GGGG                               |                     |                      | 13                    | 11                   |
| 05301W 6819N                            | 2468-14305        | 00000/0000 2-20024/1467                            | 05/04/76         | 0                   | 6524            | 37.0         | 162.8        | GGGG                               |                     |                      | 12                    | 12                   |
| 05303W 4847N                            | 2674-13331        | 00000/0000 2-20036/1239                            | 11/26/76         | 90                  | 9396            | 16.3         | 154.2        | GGGG                               |                     |                      | 2                     | 26                   |
| 05303W 2008S                            | 2517-12433        | 00000/0000 2-20027/0322                            | 06/22/76         | 0                   | 7206            | 29.8         | 45.7         | GGGG                               |                     |                      | 240                   | 74                   |
| 05304W 4140N                            | 2672-13235        | 00000/0000 2-20036/1208                            | 11/24/76         | 90                  | 9368            | 22.2         | 150.9        | GGGG                               |                     |                      | 251                   | 31                   |
| 05305W 8004N                            | 2515-17113        | 2-20029/0182 00000/0000                            | 06/20/76         | 20                  | 7181            | 32.5         | 206.8        | G                                  |                     |                      | 41                    | 1                    |
| 05305W 4135N                            | 2654-13243        | 00000/0000 2-20035/0571                            | 11/06/76         | 100                 | 9117            | 26.8         | 149.3        | FGGF                               |                     |                      | 251                   | 31                   |
| 05306W 2551S                            | 2516-12393        | 00000/0000 2-20027/0245                            | 06/21/76         | 0                   | 7192            | 25.1         | 44.3         | PPPP                               |                     |                      | 239                   | 78                   |
| 05306W 2551S                            | 2534-12390        | 00000/0000 2-20028/1088                            | 07/09/76         | 90                  | 7443            | 25.3         | 45.9         | GGGG                               |                     |                      | 239                   | 78                   |
| 05307W 5144N                            | 2711-13363        | 00000/0000 2-20038/0092                            | 01/02/77         | 100                 | 9912            | 10.8         | 152.1        | GGGG                               |                     |                      | 3                     | 24                   |
| 05307W 2012S                            | 2607-12410        | 00000/0000 2-20032/1595                            | 09/20/76         | 50                  | 8461            | 44.5         | 67.3         | GGFF                               |                     |                      | 240                   | 76                   |
| 05308W 8044N                            | 2676-17493        | 2-20033/0023 00000/0000                            | 08/20/76         | 100                 | 8032            | 19.9         | 215.4        | GGG                                |                     |                      | 35                    | 247                  |
| 05308W 5142N                            | 2693-13371        | 00000/0000 2-20037/0846                            | 12/15/76         | 90                  | 9661            | 11.2         | 154.3        | GFFF                               |                     |                      | 3                     | 24                   |
| 05308W 4842N                            | 2638-13343        | 00000/0000 2-20034/0987                            | 10/21/76         | 50                  | 8894            | 25.3         | 151.8        | GGGG                               |                     |                      | 2                     | 26                   |
| 05308W 4842N                            | 2656-13335        | 00000/0000 2-20036/0090                            | 11/08/76         | 10                  | 9145            | 20.8         | 153.8        | GGGG                               |                     |                      | 2                     | 26                   |
| 05308W 4836N                            | 2404-13412        | 2-20027/0595 00000/0000                            | 03/01/76         | 80                  | 5631            | 27.8         | 145.0        | F                                  |                     |                      | 2                     | 26                   |
| 05308W 2006S                            | 2643-12395        | 00000/0000 2-20035/0072                            | 10/26/76         | 60                  | 8963            | 51.8         | 84.8         | GPPP                               |                     |                      | 240                   | 74                   |
| 05308W 2556S                            | 2588-12373        | 00000/0000 2-20032/0483                            | 09/01/76         | 0                   | 8196            | 35.5         | 57.2         | FF F                               |                     |                      | 239                   | 78                   |
| 05309W 5431N                            | 2730-13404        | 00000/0000 2-20038/1559                            | 01/21/77         | 90                  | 177             | 11.1         | 150.7        | FGGG                               |                     |                      | 4                     | 22                   |
| 05309W 5143N                            | 2729-13355        | 00000/0000 2-20038/1541                            | 01/20/77         | 100                 | 163             | 13.0         | 149.4        | FGG                                |                     |                      | 3                     | 24                   |
| 05310W 8042N                            | 2594-17490        | 2-20033/0151 00000/0000                            | 09/07/76         | 90                  | 8283            | 13.5         | 215.6        | G                                  |                     |                      | 35                    | 247                  |
| 05310W 2549S                            | 2660-12350        | 00000/0000 2-20036/0431                            | 11/12/76         | 30                  | 9260            | 51.8         | 86.2         | FGGG                               |                     |                      | 239                   | 78                   |
| 05310W 2555S                            | 2606-12370        | 00000/0000 2-20032/1536                            | 09/19/76         | 10                  | 8447            | 40.9         | 62.9         | FGGG                               |                     |                      | 239                   | 78                   |
| 05311W 5422N                            | 2676-13425        | 00000/0000 2-20036/1446                            | 11/28/76         | 80                  | 9424            | 11.4         | 156.9        | GGGG                               |                     |                      | 4                     | 22                   |
| 05311W 2549S                            | 2642-12354        | 00000/0000 2-20035/0140                            | 10/25/76         | 90                  | 8949            | 49.8         | 78.0         | GGGG                               |                     |                      | 239                   | 78                   |
| 05311W 2551S                            | 2624-12362        | 00000/0000 2-20034/0438                            | 10/07/76         | 10                  | 8698            | 46.0         | 69.9         | FFFF                               |                     |                      | 239                   | 78                   |
| 05314W 6656N                            | 2467-14253        | 00000/0000 2-20024/1324                            | 05/03/76         | 10                  | 6510            | 37.8         | 160.5        | GG                                 |                     |                      | 11                    | 13                   |
| 05315W 7544N                            | 2461-15314        | 00000/0000 2-20024/0694                            | 04/27/76         | 100                 | 6427            | 25.3         | 180.6        | GGGG                               |                     |                      | 23                    | 6                    |
| 05315W 5134N                            | 2675-13380        | 00000/0000 2-20036/1381                            | 11/27/76         | 80                  | 9410            | 13.8         | 155.5        | GGGG                               |                     |                      | 3                     | 24                   |
| 05316W 8012N                            | 2570-17154        | 2-20032/1893 00000/0000                            | 08/14/76         | 30                  | 7943            | 23.1         | 206.4        | FFG                                |                     |                      | 42                    | 1                    |
| 05316W 7056N                            | 2453-14474        | 00000/0000 2-20023/0506                            | 04/19/76         | 10                  | 6315            | 30.0         | 167.6        | GGGG                               |                     |                      | 13                    | 10                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RALI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05316W                      | 5418N             | 2640-13442            | 00000/0000                  | 2-20034/1025     | 10/23/76            | 90              | 8922         | 21.3         | 155.6                              | GGGG                |                      | 4                     | 22                   |
| 05316W                      | 5418N             | 2658-13434            | 00000/0000                  | 2-20036/0268     | 11/10/76            | 90              | 9173         | 15.7         | 156.9                              | FGGF                |                      | 4                     | 22                   |
| 05317W                      | 5130N             | 2639-13392            | 00000/0000                  | 2-20034/1037     | 10/22/76            | 100             | 8908         | 23.8         | 153.7                              | GGGG                |                      | 3                     | 24                   |
| 05317W                      | 5130N             | 2657-13384            | 00000/0000                  | 2-20036/0195     | 11/09/76            | 90              | 9159         | 18.2         | 155.3                              | GGGG                |                      | 3                     | 24                   |
| 05318W                      | 8059N             | 2527-18191            | 2-20033/0083                | 00000/0000       | 07/02/76            | 30              | 7349         | 29.8         | 223.5                              | GGG                 |                      | 42                    | 246                  |
| 05318W                      | 4437N             | 2475-13344            | 00000/0000                  | 2-20025/0171     | 05/11/76            | 10              | 6621         | 54.2         | 128.8                              | FGGG                |                      | 1                     | 29                   |
| 05321W                      | 8037N             | 2539-17445            | 2-20029/0289                | 00000/0000       | 07/14/76            | 90              | 7516         | 29.5         | 214.1                              | FFF                 |                      | 29                    | 248                  |
| 05321W                      | 4438N             | 2709-13271            | 00000/0000                  | 2-20038/0461     | 12/31/76            | 40              | 9884         | 16.1         | 149.2                              | GGGG                |                      | 1                     | 29                   |
| 05321W                      | 4435N             | 2691-13280            | 00000/0000                  | 2-20037/0718     | 12/13/76            | 90              | 9633         | 16.9         | 151.4                              | GGGG                |                      | 1                     | 29                   |
| 05322W                      | 7649N             | 2463-15482            | 00000/0000                  | 2-20024/1219     | 04/30/76            | 0               | 6469         | 28.1         | 185.1                              | FGGF                |                      | 25                    | 5                    |
| 05324W                      | 6648N             | 2485-14251            | 00000/0000                  | 2-20025/0853     | 05/21/76            | 40              | 6761         | 42.3         | 159.4                              | GFGF                |                      | 11                    | 13                   |
| 05325W                      | 4430N             | 2673-13284            | 00000/0000                  | 2-20036/1340     | 11/25/76            | 30              | 9382         | 19.8         | 152.2                              | GGGG                |                      | 1                     | 29                   |
| 05326W                      | 7651N             | 2446-15485            | 00000/0000                  | 2-20022/1858     | 04/12/76            | 30              | 6218         | 22.0         | 184.2                              | GGGG                |                      | 25                    | 5                    |
| 05326W                      | 7543N             | 2443-15321            | 00000/0000                  | 2-20022/1631     | 04/09/76            | 20              | 6176         | 22.1         | 179.6                              | GGGG                |                      | 23                    | 4                    |
| 05326W                      | 4428N             | 2655-13292            | 00000/0000                  | 2-20036/0660     | 11/07/76            | 80              | 9131         | 24.3         | 151.5                              | GGGG                |                      | 1                     | 29                   |
| 05328W                      | 4428N             | 2637-13301            | 00000/0000                  | 2-20034/0919     | 10/20/76            | 30              | 8880         | 29.8         | 149.0                              | FGGG                |                      | 1                     | 29                   |
| 05329W                      | 7928N             | 2493-16493            | 00000/0000                  | 2-20026/0458     | 05/29/76            | 90              | 6874         | 31.6         | 201.6                              | FGGG                |                      | 37                    | 2                    |
| 05329W                      | 2138S             | 2607-12412            | 00000/0000                  | 2-20032/1596     | 09/20/76            | 40              | 8461         | 43.7         | 66.2                               | FGFF                |                      | 240                   | 75                   |
| 05329W                      | 2717S             | 2516-12400            | 00000/0000                  | 2-20027/0246     | 06/21/76            | 0               | 7192         | 23.9         | 44.1                               | FFFF                |                      | 239                   | 79                   |
| 05329W                      | 2723S             | 2570-12382            | 00000/0000                  | 2-20030/1270     | 08/14/76            | 20              | 7945         | 29.7         | 52.1                               | FFFF                |                      | 239                   | 79                   |
| 05330W                      | 2132S             | 2643-12401            | 00000/0000                  | 2-20035/0073     | 10/26/76            | 60              | 8963         | 51.4         | 83.2                               | FFFF                |                      | 240                   | 75                   |
| 05330W                      | 2133S             | 2625-12408            | 00000/0000                  | 2-20034/0339     | 10/08/76            | 90              | 8712         | 48.3         | 74.2                               | GGFG                |                      | 240                   | 75                   |
| 05332W                      | 1008S             | 2411-12550            | 00000/0000                  | 2-20021/1335     | 03/08/76            | 40              | 5728         | 47.6         | 85.9                               | GGGG                |                      | 242                   | 67                   |
| 05333W                      | 2720S             | 2606-12372            | 00000/0000                  | 2-20032/1537     | 09/19/76            | 0               | 8447         | 40.0         | 62.1                               | GGGG                |                      | 239                   | 79                   |
| 05334W                      | 2714S             | 2660-12357            | 00000/0000                  | 2-20036/0432     | 11/12/76            | 40              | 9200         | 51.4         | 84.6                               | GGGG                |                      | 239                   | 79                   |
| 05335W                      | 4730N             | 2710-13320            | 00000/0000                  | 2-20038/0365     | 01/01/77            | 70              | 9898         | 14.0         | 150.3                              | GGGG                |                      | 2                     | 27                   |
| 05335W                      | 2715S             | 2642-12361            | 00000/0000                  | 2-20035/0141     | 10/25/76            | 100             | 8949         | 49.3         | 76.5                               | GGGG                |                      | 239                   | 79                   |
| 05335W                      | 2717S             | 2624-12365            | 00000/0000                  | 2-20034/0439     | 10/07/76            | 70              | 8698         | 45.2         | 68.7                               | GGGG                |                      | 239                   | 79                   |
| 05336W                      | 4728N             | 2692-13325            | 00000/0000                  | 2-20037/0726     | 12/14/76            | 50              | 9647         | 14.6         | 152.5                              | GGGG                |                      | 2                     | 27                   |
| 05337W                      | 4729N             | 2728-13312            | 00000/0000                  | 2-20038/1492     | 01/19/77            | 20              | 149          | 15.9         | 147.5                              | GGGG                |                      | 2                     | 27                   |
| 05339W                      | 5558N             | 2461-13544            | 00000/0000                  | 2-20024/0664     | 04/27/76            | 90              | 6426         | 44.0         | 146.3                              | G                   |                      | 3                     | 21                   |
| 05340W                      | 4722N             | 2674-13333            | 00000/0000                  | 2-20036/1240     | 11/26/76            | 60              | 9396         | 17.4         | 153.5                              | GGGG                |                      | 2                     | 27                   |
| 05343W                      | 5552N             | 2479-13541            | 00000/0000                  | 2-20025/0412     | 05/15/76            | 90              | 6677         | 48.9         | 144.0                              | GGGG                |                      | 5                     | 21                   |
| 05344W                      | 5558N             | 2587-13511            | 00000/0000                  | 2-20032/0382     | 08/31/76            | 100             | 8183         | 38.3         | 146.6                              | GGGG                |                      | 5                     | 21                   |
| 05344W                      | 4717N             | 2656-13342            | 00000/0000                  | 2-20035/0091     | 11/08/76            | 60              | 9145         | 21.9         | 153.1                              | GGGG                |                      | 2                     | 27                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RLLI | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBY                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 05344W                      | 4711N             | 2404-13414            | 2-20027/0596         | 00000/0000       | 03/01/76            | 90              | 5631         | 28.7         | 144.0                 | F                   |                      | 2                     | 27                   |
| 05345W                      | 4717N             | 2638-13350            | 00000/0000           | 2-20034/0988     | 10/21/76            | 70              | 8894         | 27.4         | 150.9                 |                     | GGGG                 | 2                     | 27                   |
| 05346W                      | 5548N             | 2497-13534            | 00000/0000           | 2-20026/0157     | 06/02/76            | 80              | 6928         | 31.8         | 141.2                 |                     | GGFG                 | 5                     | 21                   |
| 05346W                      | 2300S             | 2517-12442            | 00000/0000           | 2-20027/0420     | 06/22/76            | 0               | 7206         | 27.4         | 45.0                  |                     | FFFF                 | 240                   | 76                   |
| 05347W                      | 5020N             | 2711-13365            | 00000/0000           | 2-20038/0093     | 01/02/77            | 80              | 9912         | 11.9         | 151.4                 |                     | GGGG                 | 3                     | 25                   |
| 05348W                      | 5553N             | 2605-13504            | 00000/0000           | 2-20032/1437     | 09/18/76            | 70              | 8434         | 32.3         | 150.6                 |                     | G GG                 | 5                     | 21                   |
| 05348W                      | 5017N             | 2693-13374            | 00000/0000           | 2-20037/0847     | 12/15/76            | 100             | 9661         | 12.3         | 153.7                 |                     | GGGG                 | 3                     | 25                   |
| 05348W                      | 2301S             | 2589-12422            | 00000/0000           | 2-20032/0475     | 09/02/76            | 0               | 8210         | 37.8         | 69.0                  |                     | F                    | 240                   | 76                   |
| 05349W                      | 5549N             | 2677-13481            | 00000/0000           | 2-20037/0412     | 11/29/76            | 50              | 9438         | 10.0         | 157.6                 |                     | GGG                  | 3                     | 21                   |
| 05349W                      | 3548N             | 2551-13522            | 00000/0000           | 2-20030/0246     | 07/26/76            | 90              | 7681         | 48.2         | 139.7                 |                     | FGGG                 | 5                     | 21                   |
| 05349W                      | 5018N             | 2729-13361            | 00000/0000           | 2-20038/1542     | 01/20/77            | 100             | 163          | 14.0         | 148.7                 |                     | GGFG                 | 3                     | 25                   |
| 05350W                      | 5541N             | 2515-13532            | 00000/0000           | 2-20026/1725     | 06/20/76            | 40              | 7179         | 52.6         | 138.9                 |                     | GGGG                 | 5                     | 21                   |
| 05351W                      | 7643N             | 2482-15480            | 00000/0000           | 2-20025/0803     | 05/18/76            | 60              | 6720         | 32.9         | 184.8                 |                     | FF F                 | 26                    | 5                    |
| 05351W                      | 5309N             | 2712-13415            | 00000/0000           | 2-20038/0654     | 01/03/77            | 90              | 9926         | 9.8          | 152.6                 |                     | FGGG                 | 4                     | 23                   |
| 05351W                      | 4312N             | 2475-13350            | 00000/0000           | 2-20025/0172     | 05/11/76            | 10              | 6621         | 54.8         | 126.7                 |                     | GGGG                 | 1                     | 30                   |
| 05351W                      | 2304S             | 2607-12415            | 00000/0000           | 2-20032/1597     | 09/20/76            | 40              | 8461         | 42.9         | 65.2                  |                     | FFFF                 | 240                   | 76                   |
| 05352W                      | 5545N             | 2659-13485            | 00000/0000           | 2-20036/0377     | 11/11/76            | 90              | 9187         | 14.3         | 157.8                 |                     | FGGG                 | 5                     | 21                   |
| 05352W                      | 5304N             | 2694-13423            | 00000/0000           | 2-20037/1087     | 12/16/76            | 70              | 9675         | 10.0         | 154.8                 |                     | FFGG                 | 4                     | 23                   |
| 05352W                      | 4314N             | 2727-13265            | 00000/0000           | 2-20038/1501     | 01/18/77            | 50              | 135          | 18.7         | 145.7                 |                     | GGGG                 | 1                     | 30                   |
| 05352W                      | 2258S             | 2643-12404            | 00000/0000           | 2-20035/0074     | 10/26/76            | 90              | 8963         | 51.0         | 81.5                  |                     | FFFF                 | 240                   | 76                   |
| 05352W                      | 2259S             | 2625-12411            | 00000/0000           | 2-20034/0476     | 10/08/76            | 100             | 8712         | 47.6         | 72.8                  |                     | GGGG                 | 240                   | 76                   |
| 05353W                      | 5544N             | 2623-13501            | 00000/0000           | 2-20034/0429     | 10/06/76            | 100             | 8685         | 26.0         | 154.1                 |                     | GGG                  | 5                     | 21                   |
| 05353W                      | 2843S             | 2516-12402            | 00000/0000           | 2-20027/0231     | 06/21/76            | 0               | 7192         | 22.7         | 43.9                  |                     | FGGF                 | 239                   | 80                   |
| 05353W                      | 2844S             | 2534-12395            | 00000/0000           | 2-20028/1089     | 07/09/76            | 50              | 7443         | 22.9         | 45.4                  |                     | GGGG                 | 239                   | 80                   |
| 05353W                      | 2849S             | 2570-12385            | 00000/0000           | 2-20030/1271     | 08/14/76            | 60              | 7945         | 28.6         | 51.7                  |                     | GGGG                 | 239                   | 80                   |
| 05354W                      | 5307N             | 2730-13411            | 00000/0000           | 2-20038/1560     | 01/21/77            | 90              | 177          | 12.1         | 149.9                 |                     | GGGG                 | 4                     | 23                   |
| 05354W                      | 4312N             | 2709-13274            | 00000/0000           | 2-20038/0462     | 12/31/76            | 50              | 9884         | 17.2         | 148.6                 |                     | GGGG                 | 1                     | 30                   |
| 05354W                      | 4310N             | 2691-13282            | 00000/0000           | 2-20037/0719     | 12/13/76            | 90              | 9633         | 18.0         | 150.8                 |                     | GGGG                 | 1                     | 30                   |
| 05355W                      | 5010N             | 2675-13382            | 00000/0000           | 2-20036/1382     | 11/27/76            | 60              | 9410         | 14.9         | 154.8                 |                     | GGGG                 | 3                     | 25                   |
| 05356W                      | 2846S             | 2606-12375            | 00000/0000           | 2-20032/1538     | 09/19/76            | 0               | 8447         | 39.1         | 61.3                  |                     | PPP                  | 239                   | 80                   |
| 05357W                      | 3258N             | 2676-13432            | 00000/0000           | 2-20036/1447     | 11/28/76            | 80              | 9424         | 12.5         | 156.2                 |                     | GGGG                 | 4                     | 23                   |
| 05357W                      | 5006N             | 2639-13395            | 00000/0000           | 2-20034/1038     | 10/22/76            | 90              | 8908         | 24.9         | 152.8                 |                     | GGGG                 | 3                     | 25                   |
| 05357W                      | 5006N             | 2657-13391            | 00000/0000           | 2-20036/0196     | 11/09/76            | 90              | 9159         | 19.4         | 154.6                 |                     | GGGG                 | 3                     | 25                   |
| 05357W                      | 4305N             | 2673-13291            | 00000/0000           | 2-20036/1341     | 11/25/76            | 40              | 9382         | 20.9         | 151.6                 |                     | GGGF                 | 1                     | 30                   |
| 05357W                      | 2841S             | 2660-12355            | 00000/0000           | 2-20036/0433     | 11/12/76            | 10              | 9200         | 51.0         | 83.0                  |                     | GGGG                 | 239                   | 80                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1245

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05358W                                  | 5540N             | 2407-13562                   | 00000/0000                  | 2-20021/1034     | 03/04/76            | 70              | 5673         | 24.0         | 149.7                              | GGGG                |                      | 3                     | 21                   |
| 05358W                                  | 4304N             | 2655-13295                   | 00000/0000                  | 2-20036/0061     | 11/07/76            | 70              | 9131         | 25.4         | 150.8                              | GGGG                |                      | 1                     | 30                   |
| 05358W                                  | 2840S             | 2642-12363                   | 00000/0000                  | 2-20035/0142     | 10/25/76            | 70              | 8949         | 48.7         | 75.1                               | GGGG                |                      | 239                   | 80                   |
| 05359W                                  | 6937N             | 2452-14422                   | 00000/0000                  | 2-20024/0072     | 04/18/76            | 20              | 6301         | 30.8         | 165.1                              | GGGG                |                      | 14                    | 11                   |
| 05359W                                  | 2842S             | 2624-12371                   | 00000/0000                  | 2-20034/0440     | 10/07/76            | 40              | 8698         | 44.5         | 67.6                               | GGGG                |                      | 239                   | 80                   |
| 05400W                                  | 4303N             | 2637-13303                   | 00000/0000                  | 2-20034/0920     | 10/20/76            | 60              | 8880         | 30.9         | 148.1                              | GGGG                |                      | 1                     | 30                   |
| 05401W                                  | 5254N             | 2640-13444                   | 00000/0000                  | 2-20034/1026     | 10/23/76            | 70              | 8922         | 22.4         | 154.7                              | GGGG                |                      | 4                     | 23                   |
| 05401W                                  | 5254N             | 2658-13440                   | 00000/0000                  | 2-20036/0269     | 11/10/76            | 70              | 9173         | 16.8         | 156.1                              | GGGG                |                      | 4                     | 23                   |
| 05407W                                  | 6930N             | 2470-14415                   | 00000/0000                  | 2-20025/0193     | 05/06/76            | 20              | 6552         | 36.6         | 164.9                              | GGGG                |                      | 14                    | 11                   |
| 05408W                                  | 8041N             | 2558-17500                   | 2-20031/0035                | 00000/0000       | 08/02/76            | 10              | 7781         | 25.4         | 214.3                              | GGG                 |                      | 30                    | 248                  |
| 05408W                                  | 8015N             | 2689-17205                   | 2-20033/0176                | 00000/0000       | 09/02/76            | 30              | 8213         | 16.5         | 207.3                              | GGG                 |                      | 42                    | 1                    |
| 05409W                                  | 2426S             | 2535-12442                   | 00000/0000                  | 2-20029/0011     | 07/10/76            | 10              | 7457         | 26.5         | 46.4                               | FFGG                |                      | 240                   | 77                   |
| 05410W                                  | 8035N             | 2521-17452                   | 2-20029/0221                | 00000/0000       | 06/26/76            | 80              | 7265         | 31.3         | 214.3                              | GG                  |                      | 30                    | 248                  |
| 05410W                                  | 4606N             | 2710-13323                   | 00000/0000                  | 2-20038/0366     | 01/01/77            | 30              | 9898         | 15.1         | 149.7                              | GGGG                |                      | 2                     | 28                   |
| 05411W                                  | 2428S             | 2583-12424                   | 00000/0000                  | 2-20032/0468     | 09/02/76            | 0               | 8210         | 36.8         | 58.2                               | FFGG                |                      | 240                   | 77                   |
| 05412W                                  | 6931N             | 2434-14430                   | 00000/0000                  | 2-20022/1069     | 03/31/76            | 50              | 6050         | 24.2         | 164.4                              | GGGG                |                      | 14                    | 11                   |
| 05412W                                  | 4602N             | 2692-13331                   | 00000/0000                  | 2-20037/0727     | 12/14/76            | 70              | 9647         | 15.7         | 151.9                              | GGGG                |                      | 2                     | 28                   |
| 05413W                                  | 8044N             | 2577-17551                   | 2-20033/0030                | 00000/0000       | 08/21/76            | 90              | 8046         | 19.5         | 215.6                              | GGG                 |                      | 36                    | 247                  |
| 05413W                                  | 4604N             | 2728-13315                   | 00000/0000                  | 2-20038/1493     | 01/19/77            | 40              | 149          | 16.9         | 146.8                              | GGGG                |                      | 2                     | 28                   |
| 05413W                                  | 2430S             | 2607-12421                   | 00000/0000                  | 2-20032/1598     | 09/20/76            | 30              | 8461         | 42.0         | 64.2                               | GGGG                |                      | 240                   | 77                   |
| 05415W                                  | 2424S             | 2643-12410                   | 00000/0000                  | 2-20035/0075     | 10/26/76            | 80              | 8963         | 50.5         | 80.0                               | GGGG                |                      | 240                   | 77                   |
| 05415W                                  | 2426S             | 2625-12414                   | 00000/0000                  | 2-20034/0477     | 10/08/76            | 100             | 8712         | 46.9         | 71.5                               | PPPP                |                      | 240                   | 77                   |
| 05416W                                  | 4557N             | 2674-13340                   | 00000/0000                  | 2-20036/1241     | 11/26/76            | 60              | 9396         | 18.5         | 152.9                              | GGFG                |                      | 2                     | 28                   |
| 05417W                                  | 3008S             | 2516-12405                   | 00000/0000                  | 2-20027/0232     | 06/21/76            | 0               | 7192         | 21.5         | 43.7                               | FFFF                |                      | 239                   | 81                   |
| 05417W                                  | 3015S             | 2552-12394                   | 00000/0000                  | 2-20030/0194     | 07/27/76            | 50              | 7694         | 23.7         | 47.9                               | GF GG               |                      | 239                   | 81                   |
| 05417W                                  | 3015S             | 2570-12391                   | 00000/0000                  | 2-20030/1314     | 08/14/76            | 80              | 7945         | 27.5         | 51.4                               | GGGG                |                      | 239                   | 81                   |
| 05418W                                  | 4553N             | 2656-13344                   | 00000/0000                  | 2-20036/0092     | 11/08/76            | 90              | 9145         | 23.0         | 152.3                              | GGGG                |                      | 2                     | 28                   |
| 05419W                                  | 4553N             | 2638-13352                   | 00000/0000                  | 2-20034/0989     | 10/21/76            | 90              | 8894         | 28.5         | 150.0                              | GGGG                |                      | 2                     | 28                   |
| 05420W                                  | 3012S             | 2606-12381                   | 00000/0000                  | 2-20032/1539     | 09/19/76            | 10              | 8447         | 38.2         | 60.5                               | FFGG                |                      | 239                   | 81                   |
| 05421W                                  | 3008S             | 2660-12362                   | 00000/0000                  | 2-20036/0434     | 11/12/76            | 10              | 9200         | 50.6         | 81.4                               | GGGG                |                      | 239                   | 81                   |
| 05422W                                  | 8013N             | 2571-17212                   | 2-20032/1901                | 00000/0000       | 08/15/76            | 40              | 7962         | 22.7         | 206.6                              | FGG                 |                      | 42                    | 1                    |
| 05423W                                  | 4147N             | 2475-13353                   | 00000/0000                  | 2-20025/0173     | 05/11/76            | 0               | 6621         | 55.4         | 124.5                              | GGGG                |                      | 1                     | 31                   |
| 05423W                                  | 3006S             | 2642-12370                   | 00000/0000                  | 2-20035/0143     | 10/25/76            | 50              | 8949         | 48.0         | 73.8                               | GGGG                |                      | 239                   | 81                   |
| 05423W                                  | 3009S             | 2624-12374                   | 00000/0000                  | 2-20034/0441     | 10/07/76            | 50              | 8698         | 42.7         | 66.6                               | GGGG                |                      | 239                   | 81                   |
| 05423W                                  | 3014S             | 2678-12353                   | 00000/0000                  | 2-20036/1636     | 11/30/76            | 90              | 9451         | 51.0         | 87.8                               | P                   |                      | 239                   | 81                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US

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FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05425W                                  | 6817N             | 2451-14370                                         | 00000/0000       | 2-20023/0493        | 04/17/76        | 80           | 6287         | 31.5                               | 162.8               |                      |                       |                      |
| 05425W                                  | 4147N             | 2709-13280                                         | 00000/0000       | 2-20038/0463        | 12/31/76        | 50           | 9884         | 18.2                               | 148.0               | FGGG                 | 13                    | 12                   |
| 05425W                                  | 4144N             | 2691-13285                                         | 00000/0000       | 2-20037/0720        | 12/13/76        | 90           | 9833         | 19.1                               | 150.2               | GGGG                 | 1                     | 31                   |
| 05426W                                  | 6817N             | 2469-14363                                         | 00000/0000       | 2-20024/1444        | 05/05/76        | 0            | 6538         | 37.3                               | 162.7               | GGGG                 | 1                     | 31                   |
| 05426W                                  | 4855N             | 2711-13372                                         | 00000/0000       | 2-20038/0094        | 01/02/77        | 10           | 9912         | 13.0                               | 150.8               | GGGG                 | 13                    | 12                   |
| 05427W                                  | 4852N             | 2693-13380                                         | 00000/0000       | 2-20037/0848        | 12/15/76        | 90           | 9661         | 13.4                               | 153.0               | GGGG                 | 3                     | 26                   |
| 05428W                                  | 5707N             | 2660-13541                                         | 00000/0000       | 2-20036/0388        | 11/12/76        | 20           | 9201         | 12.8                               | 158.6               | FFGG                 | 3                     | 26                   |
| 05428W                                  | 4854N             | 2729-13364                                         | 00000/0000       | 2-20038/1543        | 01/20/77        | 90           | 163          | 15.0                               | 148.0               | GGGG                 | 6                     | 20                   |
| 05428W                                  | 4139N             | 2673-13293                                         | 00000/0000       | 2-20036/1342        | 11/25/76        | 60           | 9382         | 22.0                               | 150.9               | FFGG                 | 3                     | 26                   |
| 05429W                                  | 8058N             | 2528-18245                                         | 2-20033/0088     | 00000/0000          | 07/03/76        | 30           | 7363         | 29.7                               | 223.7               | GGGG                 | 1                     | 31                   |
| 05429W                                  | 5706N             | 2642-13545                                         | 00000/0000       | 2-20034/1157        | 10/25/76        | 70           | 8950         | 18.4                               | 157.6               | GGG                  | 43                    | 246                  |
| 05429W                                  | 4139N             | 2655-13301                                         | 00000/0000       | 2-20036/0062        | 11/07/76        | 50           | 9131         | 26.5                               | 150.0               | GGGG                 | 6                     | 20                   |
| 05430W                                  | 5659N             | 2390-14021                                         | 00000/0000       | 2-20020/1611        | 02/16/76        | 90           | 5436         | 16.9                               | 152.0               | GGGG                 | 1                     | 31                   |
| 05431W                                  | 5429N             | 2479-13544                                         | 00000/0000       | 2-20025/0413        | 05/15/76        | 90           | 6677         | 49.7                               | 142.1               | GGGG                 | 6                     | 20                   |
| 05431W                                  | 4138N             | 2637-13310                                         | 00000/0000       | 2-20034/0921        | 10/20/76        | 60           | 8880         | 31.9                               | 147.2               | GGGG                 | 5                     | 22                   |
| 05432W                                  | 4846N             | 2675-13385                                         | 00000/0000       | 2-20036/1383        | 11/27/76        | 60           | 9410         | 16.1                               | 154.2               | FGGG                 | 1                     | 31                   |
| 05432W                                  | 2553S             | 2517-12451                                         | 00000/0000       | 2-20027/0421        | 06/22/76        | 0            | 7206         | 25.0                               | 44.4                | FFGG                 | 3                     | 26                   |
| 05433W                                  | 5432N             | 2731-13462                                         | 00000/0000       | 2-20038/1549        | 01/22/77        | 60           | 191          | 11.3                               | 150.5               | GGGG                 | 240                   | 78                   |
| 05433W                                  | 5145N             | 2712-13421                                         | 00000/0000       | 2-20038/0655        | 01/03/77        | 90           | 9326         | 10.9                               | 151.9               | GGGG                 | 5                     | 22                   |
| 05433W                                  | 2554S             | 2589-12431                                         | 00000/0000       | 2-20032/0469        | 09/02/76        | 10           | 8210         | 35.9                               | 57.5                | GGGF                 | 4                     | 24                   |
| 05435W                                  | 8003N             | 2516-17171                                         | 2-20029/0188     | 00000/0000          | 06/21/76        | 20           | 7195         | 32.5                               | 206.6               | FFFF                 | 240                   | 78                   |
| 05435W                                  | 6659N             | 2450-14315                                         | 00000/0000       | 2-20023/0296        | 04/16/76        | 90           | 6273         | 32.2                               | 160.8               | GGG                  | 43                    | 1                    |
| 05435W                                  | 5140N             | 2694-13430                                         | 00000/0000       | 2-20037/1088        | 12/16/76        | 30           | 9675         | 11.1                               | 154.2               | GGGF                 | 12                    | 13                   |
| 05435W                                  | 4841N             | 2639-13401                                         | 00000/0000       | 2-20034/1039        | 10/22/76        | 80           | 8908         | 26.0                               | 151.9               | GGFG                 | 4                     | 24                   |
| 05435W                                  | 4841N             | 2657-13393                                         | 00000/0000       | 2-20036/0197        | 11/09/76        | 70           | 9159         | 20.5                               | 153.9               | GGGG                 | 3                     | 26                   |
| 05436W                                  | 2556S             | 2607-12424                                         | 00000/0000       | 2-20037/1699        | 09/20/76        | 20           | 8461         | 41.2                               | 63.3                | FGGG                 | 3                     | 26                   |
| 05437W                                  | 5704N             | 2408-14014                                         | 00000/0000       | 2-20021/1185        | 03/05/76        | 80           | 5687         | 23.3                               | 150.7               | FPPP                 | 240                   | 78                   |
| 05437W                                  | 5424N             | 2677-13483                                         | 00000/0000       | 2-20037/0411        | 11/29/76        | 90           | 9438         | 11.2                               | 156.8               | GGGF                 | 6                     | 20                   |
| 05437W                                  | 5142N             | 2730-13413                                         | 00000/0000       | 2-20038/1561        | 01/21/77        | 90           | 177          | 13.2                               | 149.2               | G GG                 | 5                     | 22                   |
| 05438W                                  | 2551S             | 2625-12420                                         | 00000/0000       | 2-20034/0464        | 10/08/76        | 100          | 8712         | 46.2                               | 70.3                | GGGG                 | 4                     | 24                   |
| 05438W                                  | 2551S             | 2643-12413                                         | 00000/0000       | 2-20035/0076        | 10/26/76        | 30           | 8963         | 50.0                               | 78.4                | P PP                 | 240                   | 78                   |
| 05439W                                  | 5134N             | 2576-13434                                         | 00000/0000       | 2-20034/1448        | 11/28/76        | 80           | 9424         | 13.6                               | 155.5               | F                    | 240                   | 78                   |
| 05440W                                  | 5421N             | 2659-13492                                         | 00000/0000       | 2-20036/0378        | 11/11/76        | 80           | 9187         | 15.4                               | 157.0               | GGGG                 | 4                     | 24                   |
| 05440W                                  | 5417N             | 2641-13500                                         | 00000/0000       | 2-20034/1170        | 10/24/76        | 60           | 8936         | 20.9                               | 155.7               | FGGG                 | 5                     | 22                   |
| 05441W                                  | 6659N             | 2468-14312                                         | 00000/0000       | 2-20024/1468        | 05/04/76        | 10           | 6524         | 38.1                               | 160.6               | GGGG                 | 5                     | 22                   |
|                                         |                   |                                                    |                  |                     |                 |              |              |                                    |                     |                      | 12                    | 13                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|---------------------------------------------------|------------------|---------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05443W                      | 5130N | 2658-13443        | 00000/0000 2-20036/0270                           | 11/10/76         | 50                  | 9173         | 18.0         | 155.4                              |                     |                      |                       |                      |
| 05444W                      | 5130N | 2640-13451        | 00000/0000 2-20034/1027                           | 10/23/76         | 40                  | 8922         | 23.5         | 153.8                              | FGGG                |                      | 4                     | 24                   |
| 05444W                      | 4440N | 2710-13325        | 00000/0000 2-20034/0367                           | 01/01/77         | 40                  | 9898         | 16.1         | 149.1                              | GGGG                |                      | 4                     | 24                   |
| 05447W                      | 4437N | 2692-13334        | 00000/0000 2-20037/0728                           | 12/14/76         | 70                  | 9647         | 16.8         | 151.3                              | GGGG                |                      | 2                     | 29                   |
| 05448W                      | 6801N | 2415-14381        | 00000/0000 2-20022/0069                           | 03/12/76         | 80                  | 5788         | 17.8         | 151.6                              | GGGG                |                      | 2                     | 29                   |
| 05449W                      | 7055N | 2454-14532        | 00000/0000 2-20023/0520                           | 04/20/76         | 10                  | 6329         | 30.4         | 167.6                              | GGGG                |                      | 13                    | 12                   |
| 05450W                      | 4432N | 2674-13342        | 00000/0000 2-20036/1242                           | 11/26/76         | 60                  | 9396         | 19.6         | 152.3                              | GGGG                |                      | 16                    | 10                   |
| 05451W                      | 4429N | 2656-13351        | 00000/0000 2-20036/0093                           | 11/08/76         | 100                 | 9145         | 24.1         | 151.6                              | GGGG                |                      | 2                     | 29                   |
| 05452W                      | 6528N | 2485-14253        | 00000/0000 2-20025/0854                           | 05/21/76         | 70                  | 6761         | 43.4         | 157.2                              | GGGF                |                      | 2                     | 29                   |
| 05452W                      | 4428N | 2638-13355        | 00000/0000 2-20034/0990                           | 10/21/76         | 80                  | 8894         | 29.5         | 149.2                              | GGGG                |                      | 11                    | 14                   |
| 05455W                      | 5837N | 2427-14062        | 00000/0000 2-20022/0565                           | 03/24/76         | 80                  | 5952         | 29.8         | 151.2                              | GGGG                |                      | 2                     | 29                   |
| 05455W                      | 2719S | 2535-12451        | 00000/0000 2-20028/1134                           | 07/10/76         | 10                  | 7457         | 24.1         | 45.8                               | FGGF                |                      | 7                     | 19                   |
| 05456W                      | 2719S | 2517-12454        | 00000/0000 2-20027/0422                           | 06/22/76         | 10                  | 7206         | 23.8         | 44.1                               | FGGF                |                      | 240                   | 79                   |
| 05459W                      | 1006S | 2412-13005        | 00000/0000 2-20032/0470                           | 09/02/76         | 20                  | 8210         | 34.9         | 56.9                               | GGGG                |                      | 240                   | 79                   |
| 05500W                      | 2722S | 2607-12430        | 00000/0000 2-20021/1387                           | 03/09/76         | 70                  | 5742         | 47.6         | 85.3                               | GGGG                |                      | 240                   | 79                   |
| 05501W                      | 0418S | 2503-13022        | 00000/0000 2-20032/1600                           | 09/20/76         | 40                  | 8461         | 40.3         | 62.4                               | FGPP                |                      | 243                   | 67                   |
| 05501W                      | 2716S | 2625-12423        | 00000/0000 2-20026/0982                           | 06/03/76         | 30                  | 7011         | 43.1         | 52.8                               | GGGG                |                      | 240                   | 79                   |
| 05504W                      | 4729N | 2711-13374        | 00000/0000 2-20034/0478                           | 10/08/76         | 100                 | 8712         | 45.5         | 69.1                               | PPPP                |                      | 244                   | 63                   |
| 05504W                      | 4727N | 2693-13383        | 00000/0000 2-20038/0095                           | 01/02/77         | 10                  | 9912         | 14.0         | 150.2                              | GGGG                |                      | 240                   | 79                   |
| 05505W                      | 4729N | 2729-13370        | 00000/0000 2-20037/0849                           | 12/15/76         | 100                 | 9661         | 14.5         | 152.4                              | GGGG                |                      | 3                     | 27                   |
| 05507W                      | 4722N | 2675-13391        | 00000/0000 2-20038/1544                           | 01/20/77         | 90                  | 163          | 16.0         | 147.3                              | FGGG                |                      | 3                     | 27                   |
| 05508W                      | 5601N | 2588-13570        | 00000/0000 2-20036/1384                           | 11/27/76         | 70                  | 9410         | 17.2         | 153.5                              | GGGG                |                      | 3                     | 27                   |
| 05508W                      | 5551N | 2480-13595        | 00000/0000 2-20032/0524                           | 09/01/76         | 90                  | 8197         | 38.0         | 146.9                              | GFFF                |                      | 3                     | 27                   |
| 05509W                      | 5556N | 2444-14005        | 00000/0000 2-20025/0648                           | 05/16/76         | 80                  | 6691         | 49.1         | 143.8                              | GGGG                |                      | 6                     | 21                   |
| 05509W                      | 5555N | 2570-13573        | 00000/0000 2-20022/1764                           | 04/10/76         | 0                   | 6189         | 38.2         | 147.7                              | GG                  |                      | 6                     | 21                   |
| 05511W                      | 5543N | 2408-14020        | 00000/0000 2-20030/1351                           | 08/14/76         | 90                  | 7946         | 43.5         | 142.9                              | GGGG                |                      | 6                     | 21                   |
| 05511W                      | 4717N | 2639-13404        | 00000/0000 2-20021/1186                           | 03/05/76         | 70                  | 5687         | 24.3         | 149.7                              | GGGG                |                      | 6                     | 21                   |
| 05511W                      | 4717N | 2657-13400        | 00000/0000 2-20034/1040                           | 10/22/76         | 80                  | 8908         | 27.1         | 151.1                              | GGGG                |                      | 6                     | 21                   |
| 05513W                      | 5548N | 2552-13580        | 00000/0000 2-20036/0198                           | 11/09/76         | 90                  | 9159         | 21.6         | 153.1                              | GGGG                |                      | 3                     | 27                   |
| 05513W                      | 5546N | 2498-13593        | 00000/0000 2-20030/0295                           | 07/27/76         | 80                  | 7695         | 48.0         | 139.8                              | FGGG                |                      | 3                     | 27                   |
| 05514W                      | 8036N | 2522-17511        | 00000/0000 2-20024/0699                           | 06/03/76         | 90                  | 6942         | 51.9         | 141.1                              | GGGG                |                      | 6                     | 21                   |
| 05514W                      | 5021N | 2712-13424        | 2-20029/0229 00000/0000                           | 06/27/76         | 90                  | 7279         | 31.2         | 214.5                              | GGG                 |                      | 6                     | 21                   |
| 05515W                      | 5015N | 2694-13432        | 00000/0000 2-20038/0656                           | 01/03/77         | 90                  | 9926         | 12.0         | 151.3                              | FGGG                |                      | 31                    | 248                  |
| 05516W                      | 5551N | 2606-13563        | 00000/0000 2-20037/1089                           | 12/16/76         | 20                  | 9675         | 12.2         | 153.5                              | GGFG                |                      | 4                     | 25                   |
|                             |       |                   | 00000/0000 2-20032/1499                           | 09/19/76         | 90                  | 8448         | 32.0         | 150.8                              | F FF                |                      | 4                     | 25                   |
|                             |       |                   |                                                   |                  |                     |              |              |                                    |                     |                      | 6                     | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------------------------|--------------|------------------|---------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                                     | MSS          |                  |                     |               |              |              | 123 45678             |                     |                      |                       |                      |
| 05516N                      | 5548N | 2426-14013        | 00000/0000                              | 2-20022/1293 | 03/23/76         | 60                  | 5938          | 31.4         | 148.7        | GGGG                  |                     |                      | 6                     | 21                   |
| 05516N                      | 5304N | 2479-13550        | 00000/0000                              | 2-20025/0414 | 05/15/76         | 90                  | 6677          | 50.6         | 140.1        | FGGG                  |                     |                      | 5                     | 23                   |
| 05517N                      | 5547N | 2678-13535        | 00000/0000                              | 2-20036/1672 | 11/30/76         | 70                  | 9452          | 9.8          | 157.5        | FFFF                  |                     |                      | 6                     | 21                   |
| 05517N                      | 5309N | 2713-13473        | 00000/0000                              | 2-20038/0764 | 01/04/77         | 20                  | 9940          | 9.9          | 152.4        | FFFF                  |                     |                      | 5                     | 23                   |
| 05517N                      | 5018N | 2730-13420        | 00000/0000                              | 2-20038/1562 | 01/21/77         | 90                  | 177           | 14.2         | 148.5        | FGGG                  |                     |                      | 4                     | 25                   |
| 05517N                      | 4315N | 2710-13332        | 00000/0000                              | 2-20038/0368 | 01/01/77         | 80                  | 9898          | 17.2         | 148.5        | GGGG                  |                     |                      | 2                     | 30                   |
| 05518N                      | 8041N | 2559-17554        | 2-20031/0042                            | 00000/0000   | 08/03/76         | 0                   | 7795          | 25.2         | 214.5        | GGG                   |                     |                      | 31                    | 248                  |
| 05518N                      | 8037N | 2540-17504        | 2-20029/0264                            | 00000/0000   | 07/15/76         | 90                  | 7530          | 29.4         | 213.6        | GGG                   |                     |                      | 31                    | 248                  |
| 05518N                      | 5542N | 2372-14025        | 00000/0000                              | 2-20020/0028 | 01/29/76         | 90                  | 5185          | 12.6         | 153.0        | GGGG                  |                     |                      | 6                     | 21                   |
| 05518N                      | 5540N | 2516-13590        | 00000/0000                              | 2-20027/0285 | 06/21/76         | 90                  | 7193          | 52.6         | 138.8        | GGGF                  |                     |                      | 6                     | 21                   |
| 05518N                      | 5307N | 2695-13481        | 00000/0000                              | 2-20037/0998 | 12/17/76         | 30                  | 9689          | 9.9          | 154.7        | GGFG                  |                     |                      | 5                     | 23                   |
| 05518N                      | 2845S | 2535-12453        | 00000/0000                              | 2-20028/1135 | 07/10/76         | 0                   | 7457          | 22.9         | 45.6         | FFFF                  |                     |                      | 240                   | 80                   |
| 05519N                      | 5544N | 2624-13555        | 00000/0000                              | 2-20034/0430 | 10/07/76         | 80                  | 8699          | 25.7         | 154.2        | GGGG                  |                     |                      | 6                     | 21                   |
| 05519N                      | 5543N | 2660-13543        | 00000/0000                              | 2-20036/0389 | 11/12/76         | 70                  | 9201          | 14.0         | 157.8        | GGGG                  |                     |                      | 6                     | 21                   |
| 05519N                      | 5307N | 2731-13465        | 00000/0000                              | 2-20038/1550 | 01/22/77         | 90                  | 191           | 12.3         | 149.8        | GGGG                  |                     |                      | 5                     | 23                   |
| 05519N                      | 4312N | 2692-13380        | 00000/0000                              | 2-20037/0729 | 12/14/76         | 70                  | 9647          | 17.9         | 150.7        | GGGG                  |                     |                      | 2                     | 30                   |
| 05519N                      | 2844S | 2517-12460        | 00000/0000                              | 2-20027/0407 | 06/22/76         | 0                   | 7206          | 22.6         | 43.9         | FFGG                  |                     |                      | 240                   | 80                   |
| 05520N                      | 5542N | 2642-13552        | 00000/0000                              | 2-20034/1158 | 10/25/76         | 90                  | 8950          | 19.5         | 156.7        | GGGG                  |                     |                      | 6                     | 21                   |
| 05520N                      | 5336N | 2390-14023        | 00000/0000                              | 2-20020/1612 | 02/16/76         | 50                  | 5436          | 17.9         | 151.0        | GGGG                  |                     |                      | 6                     | 21                   |
| 05520N                      | 5009N | 2676-13441        | 00000/0000                              | 2-20034/1449 | 11/28/76         | 80                  | 9424          | 14.8         | 154.8        | GGGG                  |                     |                      | 4                     | 25                   |
| 05520N                      | 4313N | 2728-13324        | 00000/0000                              | 2-20038/1494 | 01/19/77         | 40                  | 149           | 18.9         | 145.5        | GGGG                  |                     |                      | 2                     | 30                   |
| 05520N                      | 2845S | 2589-12440        | 00000/0000                              | 2-20032/0471 | 09/02/76         | 40                  | 8210          | 33.9         | 56.3         | FFFF                  |                     |                      | 240                   | 80                   |
| 05521N                      | 6939N | 2453-14430        | 00000/0000                              | 2-20023/0507 | 04/19/76         | 20                  | 6315          | 31.1         | 165.2        | GGGG                  |                     |                      | 15                    | 11                   |
| 05522N                      | 4307N | 2674-13344        | 00000/0000                              | 2-20036/1243 | 11/26/76         | 60                  | 9396          | 20.7         | 151.6        | GGGG                  |                     |                      | 2                     | 30                   |
| 05523N                      | 5300N | 2677-13490        | 00000/0000                              | 2-20037/0413 | 11/29/76         | 100                 | 9438          | 12.3         | 156.1        | FFGG                  |                     |                      | 5                     | 23                   |
| 05523N                      | 5008N | 2658-13445        | 00000/0000                              | 2-20036/0271 | 11/10/76         | 60                  | 9173          | 19.1         | 154.6        | GGGG                  |                     |                      | 4                     | 25                   |
| 05524N                      | 5005N | 2640-13453        | 00000/0000                              | 2-20034/1028 | 10/23/76         | 40                  | 8922          | 24.6         | 152.9        | GGGG                  |                     |                      | 4                     | 25                   |
| 05524N                      | 4303N | 2656-13353        | 00000/0000                              | 2-20034/0094 | 11/05/76         | 90                  | 9145          | 25.2         | 150.8        | GGGG                  |                     |                      | 4                     | 25                   |
| 05524N                      | 2847S | 2607-12433        | 00000/0000                              | 2-20032/1601 | 09/20/76         | 10                  | 8461          | 39.4         | 61.6         | GGGG                  |                     |                      | 240                   | 80                   |
| 05525N                      | 8045N | 2578-18003        | 2-20033/0037                            | 00000/0000   | 08/22/76         | 20                  | 8060          | 19.2         | 215.9        | GGG                   |                     |                      | 37                    | 247                  |
| 05525N                      | 5257N | 2659-13494        | 00000/0000                              | 2-20036/0379 | 11/11/76         | 40                  | 9187          | 16.5         | 156.2        | FGGG                  |                     |                      | 5                     | 23                   |
| 05525N                      | 5254N | 2641-13502        | 00000/0000                              | 2-20034/1171 | 10/24/76         | 30                  | 8936          | 22.0         | 154.8        | GGGG                  |                     |                      | 5                     | 23                   |
| 05525N                      | 4303N | 2638-13361        | 00000/0000                              | 2-20034/0991 | 10/21/76         | 70                  | 8894          | 30.6         | 148.3        | GGGG                  |                     |                      | 2                     | 30                   |
| 05525N                      | 2841S | 2643-12422        | 00000/0000                              | 2-20038/0077 | 10/26/76         | 50                  | 8963          | 48.9         | 75.6         | GGGG                  |                     |                      | 240                   | 80                   |
| 05530N                      | 8013N | 2572-17270        | 2-20033/0009                            | 00000/0000   | 08/16/76         | 0                   | 7976          | 22.4         | 206.9        | GGG                   |                     |                      | 43                    | 1                    |

SYST: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 05534N                      | 8013N | 2590-17264 | 2-20033/0150      | 30000/0000                              | 09/03/76         | 100                 | 8227            | 16.1         | 207.3        | GGG                   |                     |                      | 43                    | 1                    |
| 05539W                      | 4604N | 2711-13381 | 00000/0000        | 2-20038/0096                            | 01/02/77         | 40                  | 9912            | 15.1         | 149.6        | GGG                   |                     |                      | 3                     | 28                   |
| 05539W                      | 4602N | 2693-13385 | 00000/0000        | 2-20037/0850                            | 12/15/76         | 100                 | 9661            | 15.6         | 151.8        | GGGG                  |                     |                      | 3                     | 28                   |
| 05540W                      | 4603N | 2729-13373 | 00000/0000        | 2-20038/1545                            | 01/20/77         | 90                  | 163             | 17.0         | 146.7        | FGGF                  |                     |                      | 3                     | 28                   |
| 05541W                      | 5723N | 2463-14054 | 00000/0000        | 2-20024/0935                            | 04/29/76         | 90                  | 6454            | 43.7         | 147.8        | GGGF                  |                     |                      | 7                     | 20                   |
| 05542W                      | 5722N | 2445-14061 | 00000/0000        | 2-20023/0001                            | 04/11/76         | 90                  | 6203            | 37.6         | 149.1        | GGGG                  |                     |                      | 7                     | 20                   |
| 05542W                      | 4557N | 2675-13394 | 00000/0000        | 2-20036/1385                            | 11/27/76         | 80                  | 9410            | 18.3         | 152.9        | GG G                  |                     |                      | 7                     | 20                   |
| 05543W                      | 3010S | 2517-12463 | 00000/0000        | 2-20027/0408                            | 06/22/76         | 0                   | 7206            | 21.4         | 43.8         | GGGG                  |                     |                      | 3                     | 28                   |
| 05543W                      | 3011S | 2535-12460 | 00000/0000        | 2-20028/1136                            | 07/10/76         | 0                   | 7457            | 21.8         | 45.4         | FGFF                  |                     |                      | 240                   | 81                   |
| 05543W                      | 3014S | 2571-12445 | 00000/0000        | 2-20030/1588                            | 08/15/76         | 0                   | 7959            | 27.8         | 51.6         | FGFF                  |                     |                      | 240                   | 81                   |
| 05544W                      | 5721N | 2571-14024 | 00000/0000        | 2-20030/1354                            | 08/15/76         | 60                  | 7960            | 42.3         | 144.8        | GGGG                  |                     |                      | 240                   | 81                   |
| 05544W                      | 3011S | 2589-12442 | 00000/0000        | 2-20032/0472                            | 09/02/76         | 20                  | 8210            | 32.9         | 55.8         | GGGG                  |                     |                      | 7                     | 20                   |
| 05546W                      | 4552N | 2639-13410 | 00000/0000        | 2-20034/1041                            | 10/22/76         | 30                  | 8908            | 28.1         | 150.2        | FFFF                  |                     |                      | 240                   | 81                   |
| 05546W                      | 4552N | 2657-13402 | 00000/0000        | 2-20036/0199                            | 11/09/76         | 90                  | 9159            | 22.7         | 152.4        | GGGG                  |                     |                      | 3                     | 28                   |
| 05548W                      | 5719N | 2589-14021 | 2-20033/0210      | 2-20032/0554                            | 09/02/76         | 100                 | 8211            | 36.7         | 148.5        | GGGG                  |                     |                      | 3                     | 28                   |
| 05549W                      | 5715N | 2481-14051 | 00000/0000        | 2-20025/0564                            | 05/17/76         | 90                  | 6705            | 48.4         | 145.6        | FFF                   |                     |                      | 7                     | 20                   |
| 05549W                      | 5714N | 2427-14064 | 00000/0000        | 2-20022/0566                            | 03/24/76         | 80                  | 5952            | 30.8         | 149.9        | GGGG                  |                     |                      | 7                     | 20                   |
| 05549W                      | 4150N | 2710-13334 | 00000/0000        | 2-20038/0369                            | 01/01/77         | 80                  | 9898            | 18.2         | 147.9        | GGGG                  |                     |                      | 7                     | 20                   |
| 05550W                      | 6819N | 2452-14425 | 00000/0000        | 2-20024/0073                            | 04/18/76         | 30                  | 6301            | 31.9         | 162.9        | GGGG                  |                     |                      | 2                     | 31                   |
| 05550W                      | 5712N | 2553-14032 | 00000/0000        | 2-20030/0161                            | 07/28/76         | 90                  | 7709            | 46.9         | 141.8        | GGGG                  |                     |                      | 14                    | 12                   |
| 05550W                      | 3006S | 2643-12424 | 00000/0000        | 2-20035/0078                            | 10/26/76         | 80                  | 8963            | 48.2         | 74.2         | GG                    |                     |                      | 7                     | 20                   |
| 05551W                      | 8058N | 2529-18304 | 2-20033/0093      | 30000/0000                              | 07/04/76         | 60                  | 7377            | 29.6         | 223.8        | GGGG                  |                     |                      | 240                   | 81                   |
| 05551W                      | 5713N | 2607-14014 | 00000/0000        | 2-20032/1520                            | 09/20/76         | 90                  | 8462            | 30.6         | 152.2        | GGG                   |                     |                      | 44                    | 246                  |
| 05551W                      | 5709N | 2499-14045 | 00000/0000        | 2-20026/0701                            | 06/04/76         | 80                  | 6956            | 51.2         | 143.0        | GGGG                  |                     |                      | 7                     | 20                   |
| 05551W                      | 5707N | 2535-14035 | 00000/0000        | 2-20028/1017                            | 07/10/76         | 90                  | 7458            | 50.2         | 140.4        | GGGG                  |                     |                      | 7                     | 20                   |
| 05551W                      | 4147N | 2692-13343 | 00000/0000        | 2-20037/0730                            | 12/14/76         | 70                  | 9647            | 19.0         | 150.1        | GGGF                  |                     |                      | 7                     | 20                   |
| 05551W                      | 4147N | 2728-13330 | 00000/0000        | 2-20038/1495                            | 01/19/77         | 60                  | 149             | 19.9         | 144.9        | GGGG                  |                     |                      | 2                     | 31                   |
| 05552W                      | 4856N | 2712-13430 | 00000/0000        | 2-20038/0657                            | 01/03/77         | 90                  | 9926            | 13.0         | 150.6        | GGGG                  |                     |                      | 2                     | 31                   |
| 05553W                      | 5708N | 2625-14011 | 00000/0000        | 2-20034/0461                            | 10/08/76         | 80                  | 8713            | 24.2         | 155.5        | FGGG                  |                     |                      | 4                     | 26                   |
| 05553W                      | 5704N | 2409-14072 | 00000/0000        | 2-20021/1205                            | 03/06/76         | 90                  | 5701            | 23.8         | 150.7        | GGGG                  |                     |                      | 7                     | 20                   |
| 05553W                      | 5432N | 2462-14005 | 00000/0000        | 2-20024/1174                            | 04/28/76         | 90                  | 6440            | 45.3         | 144.5        | GGFG                  |                     |                      | 7                     | 20                   |
| 05553W                      | 4142N | 2674-13351 | 00000/0000        | 2-20036/1244                            | 11/26/76         | 60                  | 9396            | 21.8         | 151.0        | G G                   |                     |                      | 6                     | 22                   |
| 05554W                      | 5702N | 2373-14081 | 00000/0000        | 2-20020/0650                            | 01/30/76         | 90                  | 5199            | 11.8         | 153.7        | GGGG                  |                     |                      | 2                     | 31                   |
| 05554W                      | 4851N | 2694-13435 | 00000/0000        | 2-20037/1090                            | 12/16/76         | 10                  | 9675            | 13.3         | 152.9        | GGGG                  |                     |                      | 7                     | 20                   |
| 05555W                      | 5702N | 2517-14042 | 00000/0000        | 2-20027/0299                            | 06/22/76         | 10                  | 7207            | 51.8         | 140.8        | GGGF                  |                     |                      | 4                     | 26                   |
|                             |       |            |                   |                                         |                  |                     |                 |              |              | FGGG                  |                     |                      | 7                     | 20                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 05555W                      | 4138N | 2656-13360 | 00000/0000        | 2-20036/0095                            | 11/08/76         | 90                  | 9145            | 26.2         | 150.1        |                       |                     |                      |                       |                      |
| 05555W                      | 4132N | 2404-13432 | 2-20027/0597      | 00000/0000                              | 03/01/76         | 60                  | 5631            | 32.4         | 140.1        | PP                    | GGGG                |                      | 2                     | 31                   |
| 05556W                      | 5706N | 2661-13595 | 00000/0000        | 2-20036/0544                            | 11/13/76         | 80                  | 9215            | 12.6         | 158.7        |                       | FGGG                |                      | 7                     | 31                   |
| 05556W                      | 5437N | 2588-13572 | 00000/0000        | 2-20032/0525                            | 09/01/76         | 90                  | 8197            | 38.9         | 145.4        |                       | FFFF                |                      | 6                     | 20                   |
| 05556W                      | 5427N | 2480-14002 | 00000/0000        | 2-20025/0649                            | 05/16/76         | 70                  | 6651            | 50.0         | 141.9        |                       | GGGG                |                      | 6                     | 22                   |
| 05556W                      | 4853N | 2730-13422 | 00000/0000        | 2-20038/1563                            | 01/21/77         | 90                  | 177             | 15.2         | 147.8        |                       | GGGG                |                      | 4                     | 26                   |
| 05557W                      | 6812N | 2470-14422 | 00000/0000        | 2-20025/0194                            | 05/06/76         | 10                  | 6552            | 37.7         | 162.5        |                       | GGGG                |                      | 14                    | 12                   |
| 05557W                      | 5432N | 2444-14012 | 00000/0000        | 2-20022/1747                            | 04/10/76         | 0                   | 6189            | 39.2         | 146.2        |                       | FGGG                |                      | 6                     | 22                   |
| 05557W                      | 4137N | 2638-13364 | 00000/0000        | 2-20034/0992                            | 10/21/76         | 70                  | 8894            | 31.6         | 147.4        |                       | GGGG                |                      | 2                     | 31                   |
| 05558W                      | 5705N | 2643-14003 | 00000/0000        | 2-20034/1181                            | 10/26/76         | 90                  | 8964            | 18.0         | 157.7        |                       | GGFG                |                      | 7                     | 20                   |
| 05558W                      | 5655N | 2391-14075 | 00000/0000        | 2-20020/1645                            | 02/17/76         | 90                  | 5450            | 17.2         | 151.9        |                       | FFFF                |                      | 7                     | 20                   |
| 05558W                      | 5431N | 2570-13575 | 00000/0000        | 2-20030/1352                            | 08/14/76         | 40                  | 7946            | 44.3         | 141.2        |                       | GGGG                |                      | 6                     | 22                   |
| 05559W                      | 5420N | 2408-14023 | 00000/0000        | 2-20021/1187                            | 03/05/76         | 20                  | 5687            | 25.3         | 148.6        |                       | GGGG                |                      | 6                     | 22                   |
| 05559W                      | 5140N | 2479-13553 | 00000/0000        | 2-20025/0415                            | 05/15/76         | 90                  | 6677            | 51.4         | 138.2        |                       | FGGG                |                      | 5                     | 24                   |
| 05559W                      | 4844N | 2676-13443 | 00000/0000        | 2-20036/1450                            | 11/28/76         | 90                  | 9424            | 15.9         | 154.1        |                       | GGGG                |                      | 4                     | 26                   |
| 05600W                      | 5145N | 2713-13475 | 00000/0000        | 2-20034/0765                            | 01/04/77         | 10                  | 9940            | 11.0         | 151.8        |                       | FGGG                |                      | 5                     | 24                   |
| 05601W                      | 5424N | 2552-13582 | 00000/0000        | 2-20030/0296                            | 07/27/76         | 80                  | 7695            | 48.8         | 137.8        |                       | GGGG                |                      | 6                     | 22                   |
| 05601W                      | 5423N | 2498-13595 | 00000/0000        | 2-20026/0700                            | 06/03/76         | 90                  | 6942            | 52.7         | 139.0        |                       | GGGG                |                      | 6                     | 22                   |
| 05601W                      | 5142N | 2695-13484 | 00000/0000        | 2-20037/0999                            | 12/17/76         | 90                  | 9689            | 11.0         | 154.1        |                       | GGGG                |                      | 5                     | 24                   |
| 05601W                      | 5142N | 2731-13471 | 00000/0000        | 2-20034/1551                            | 01/22/77         | 30                  | 191             | 13.3         | 149.1        |                       | GGGG                |                      | 5                     | 24                   |
| 05601W                      | 4841N | 2658-13452 | 00000/0000        | 2-20036/0272                            | 11/10/76         | 80                  | 9173            | 20.2         | 153.9        |                       | GGGG                |                      | 4                     | 26                   |
| 05601W                      | 3556S | 2408-12453 | 00000/0000        | 2-20021/1157                            | 03/05/76         | 80                  | 5686            | 37.1         | 67.0         |                       | GGGF                |                      | 239                   | 85                   |
| 05602W                      | 4841N | 2640-13460 | 00000/0000        | 2-20034/1029                            | 10/23/76         | 60                  | 8922            | 25.7         | 152.1        |                       | GGGG                |                      | 4                     | 26                   |
| 05602W                      | 3600S | 2426-12445 | 00000/0000        | 2-20027/0429                            | 03/23/76         | 80                  | 5937            | 33.0         | 59.8         |                       | GGGG                |                      | 239                   | 85                   |
| 05603W                      | 5425N | 2426-14015 | 00000/0000        | 2-20027/1234                            | 03/23/76         | 0                   | 5938            | 32.3         | 147.4        |                       | GGGG                |                      | 6                     | 22                   |
| 05604W                      | 5427N | 2606-13565 | 00000/0000        | 2-20032/1500                            | 09/19/76         | 90                  | 8448            | 33.0         | 149.6        |                       | FFGG                |                      | 6                     | 22                   |
| 05604W                      | 5420N | 2534-13590 | 00000/0000        | 2-20028/1129                            | 07/09/76         | 100                 | 7444            | 51.9         | 136.2        |                       | FGGG                |                      | 6                     | 22                   |
| 05605W                      | 6658N | 2451-14373 | 00000/0000        | 2-20023/0494                            | 04/17/76         | 60                  | 6287            | 32.6         | 160.8        |                       | FGGG                |                      | 13                    | 13                   |
| 05605W                      | 6539N | 2450-14321 | 00000/0000        | 2-20023/0297                            | 04/16/76         | 90                  | 6273            | 33.3         | 158.9        |                       | GGGG                |                      | 12                    | 14                   |
| 05605W                      | 5423N | 2678-13541 | 00000/0000        | 2-20034/1673                            | 11/30/76         | 70                  | 9452            | 11.0         | 156.8        |                       | FGGF                |                      | 6                     | 22                   |
| 05605W                      | 5416N | 2516-13593 | 00000/0000        | 2-20027/0285                            | 06/21/76         | 70                  | 7193            | 53.3         | 136.6        |                       | GGGF                |                      | 6                     | 22                   |
| 05605W                      | 5136N | 2677-13492 | 00000/0000        | 2-20037/0414                            | 11/29/76         | 100                 | 9438            | 13.4         | 155.4        |                       | GGGG                |                      | 5                     | 24                   |
| 05606W                      | 6657N | 2469-14370 | 00000/0000        | 2-20024/1445                            | 05/05/76         | 10                  | 6538            | 38.4         | 160.5        |                       | GGGG                |                      | 13                    | 13                   |
| 05606W                      | 5421N | 2624-13562 | 00000/0000        | 2-20034/0431                            | 10/07/76         | 70                  | 8699            | 26.7         | 153.2        |                       | GGGG                |                      | 6                     | 22                   |
| 05606W                      | 5420N | 2660-13550 | 00000/0000        | 2-20036/0390                            | 11/12/76         | 90                  | 9201            | 15.1         | 157.0        |                       | GGGF                |                      | 6                     | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

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COORDINATE LISTING  
FOR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROL<br>RBV MSP | DATE<br>ACQUIRED | CLUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|---------------------------------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05606W 5419N                            | 2372-14032        | 00000/0000 2-20020/0029                           | 01/29/76         | 90                 | 5185            | 13.6         | 152.2        |                                    |                     |                      |                       |                      |
| 05606W 3547S                            | 2372-12462        | 00000/0000 2-20020/0580                           | 01/29/76         | 10                 | 5184            | 44.4         | 80.1         | GGGG                               |                     |                      | 6                     | 22                   |
| 05607W 8009N                            | 2608-17261        | 2-20034/1200 00000/0000                           | 09/21/76         | 90                 | 8478            | 9.2          | 207.6        | G                                  |                     |                      | 239                   | 35                   |
| 05607W 5418N                            | 2642-13554        | 00000/0000 2-20034/1159                           | 10/25/76         | 80                 | 8950            | 20.6         | 155.8        | GGGG                               |                     |                      | 44                    | 1                    |
| 05607W 5413N                            | 2390-14030        | 00000/0000 2-20020/1613                           | 02/16/76         | 10                 | 5436            | 18.9         | 150.1        | GGGG                               |                     |                      | 6                     | 22                   |
| 05607W 5133N                            | 2659-13501        | 00000/0000 2-20034/0380                           | 11/11/76         | 50                 | 9187            | 17.6         | 155.5        | GGGG                               |                     |                      | 6                     | 22                   |
| 05607W 5130N                            | 2641-13305        | 00000/0000 2-20034/1172                           | 10/24/76         | 30                 | 8936            | 23.1         | 153.9        | GGGG                               |                     |                      | 5                     | 24                   |
| 05608W 3554S                            | 2390-12460        | 00000/0000 2-20020/1435                           | 02/16/76         | 30                 | 5435            | 40.9         | 74.1         | GGGG                               |                     |                      | 5                     | 24                   |
| 05612W 8002N                            | 2517-17230        | 2-20029/0195 00000/0000                           | 06/22/76         | 20                 | 7209            | 32.5         | 206.4        | GGG                                |                     |                      | 239                   | 85                   |
| 05613W 4439N                            | 2711-13383        | 00000/0000 2-20034/0097                           | 01/02/77         | 60                 | 9912            | 16.2         | 149.0        | GGGG                               |                     |                      | 44                    | 1                    |
| 05613W 4436N                            | 2653-13392        | 00000/0000 2-20037/0851                           | 12/15/76         | 90                 | 9661            | 16.7         | 151.2        | GGGG                               |                     |                      | 3                     | 29                   |
| 05614W 4438N                            | 2729-13375        | 00000/0000 2-20034/1546                           | 01/20/77         | 80                 | 163             | 18.0         | 146.0        | GGGG                               |                     |                      | 3                     | 29                   |
| 05616W 4432N                            | 2675-13400        | 00000/0000 2-20034/1386                           | 11/27/76         | 80                 | 5410            | 19.4         | 152.2        | GGGG                               |                     |                      | 3                     | 29                   |
| 05620W 8004N                            | 2535-17223        | 2-20029/0304 00000/0000                           | 07/10/76         | 90                 | 7460            | 31.3         | 205.4        | FPF                                |                     |                      | 44                    | 1                    |
| 05620W 4427N                            | 2639-13413        | 00000/0000 2-20034/1042                           | 10/22/76         | 70                 | 8908            | 29.2         | 149.3        | GGGG                               |                     |                      | 3                     | 29                   |
| 05620W 4426N                            | 2657-13405        | 00000/0000 2-20034/0200                           | 11/09/76         | 80                 | 9189            | 23.8         | 151.7        | GGGG                               |                     |                      | 3                     | 29                   |
| 05625W 6642N                            | 2415-14384        | 00000/0000 2-20027/0070                           | 03/12/76         | 60                 | 5785            | 18.9         | 159.9        | GGGG                               |                     |                      | 13                    | 13                   |
| 05625W 4007N                            | 2404-13435        | 2-20027/0598 00000/0000                           | 03/01/76         | 70                 | 5631            | 33.3         | 139.1        | PP                                 |                     |                      | 2                     | 32                   |
| 05626W 8037N                            | 2541-17562        | 2-20030/1863 00000/0000                           | 07/16/76         | 30                 | 7544            | 29.2         | 213.8        | GGG                                |                     |                      | 31                    | 248                  |
| 05626W 5828N                            | 2410-14124        | 00000/0000 2-20021/1270                           | 03/07/76         | 100                | 5715            | 23.1         | 151.8        | GGGG                               |                     |                      | 8                     | 19                   |
| 05626W 3716S                            | 2516-12425        | 00000/0000 2-20027/0233                           | 06/21/76         | 50                 | 7192            | 15.3         | 43.3         | FFFF                               |                     |                      | 239                   | 86                   |
| 05627W 3726S                            | 2552-12415        | 00000/0000 2-20030/0195                           | 07/27/76         | 10                 | 7694            | 17.9         | 47.2         | FFFF                               |                     |                      | 239                   | 86                   |
| 05628W 3722S                            | 2408-12455        | 00000/0000 2-20021/1158                           | 03/05/76         | 80                 | 5686            | 36.3         | 66.3         | FFFF                               |                     |                      | 239                   | 86                   |
| 05629W 4731N                            | 2712-13433        | 00000/0000 2-20034/0658                           | 01/03/77         | 90                 | 9926            | 14.1         | 150.0        | GGGG                               |                     |                      | 4                     | 27                   |
| 05629W 3726S                            | 2426-12452        | 00000/0000 2-20022/0430                           | 03/23/76         | 80                 | 5937            | 32.1         | 59.3         | FFFF                               |                     |                      | 239                   | 86                   |
| 05630W 4726N                            | 2694-13441        | 00000/0000 2-20037/1091                           | 12/16/76         | 20                 | 9675            | 14.4         | 152.3        | GGGG                               |                     |                      | 4                     | 27                   |
| 05632W 5559N                            | 2445-14063        | 00000/0000 2-20023/0002                           | 04/11/76         | 90                 | 6203            | 38.6         | 147.7        | GGGG                               |                     |                      | 7                     | 21                   |
| 05632W 4728N                            | 2730-13425        | 00000/0000 2-20038/1564                           | 01/21/77         | 90                 | 177             | 16.2         | 147.2        | GGGG                               |                     |                      | 4                     | 27                   |
| 05632W 3715S                            | 2660-12382        | 00000/0000 2-20034/0435                           | 11/12/76         | 30                 | 9200            | 47.7         | 74.6         | GGGG                               |                     |                      | 239                   | 86                   |
| 05633W 5559N                            | 2463-14060        | 00000/0000 2-20024/0936                           | 04/29/76         | 100                | 6454            | 44.6         | 146.1        | GGGG                               |                     |                      | 7                     | 21                   |
| 05633W 3716S                            | 2624-12394        | 00000/0000 2-20034/0442                           | 10/07/76         | 50                 | 8698            | 39.4         | 62.3         | GGGG                               |                     |                      | 239                   | 86                   |
| 05633W 3722S                            | 2678-12374        | 00000/0000 2-20036/1637                           | 11/30/76         | 70                 | 9451            | 48.9         | 80.4         | GGGG                               |                     |                      | 239                   | 86                   |
| 05634W 3712S                            | 2372-12464        | 00000/0000 2-20020/0581                           | 01/29/76         | 10                 | 5184            | 43.9         | 79.0         | GGGG                               |                     |                      | 239                   | 86                   |
| 05635W 5557N                            | 2571-14031        | 00000/0000 2-20030/1355                           | 08/15/76         | 20                 | 7960            | 43.2         | 143.1        | GGGG                               |                     |                      | 7                     | 21                   |
| 05635W 4720N                            | 2676-13450        | 00000/0000 2-20036/1451                           | 11/28/76         | 90                 | 9424            | 17.0         | 153.5        | GGGG                               |                     |                      | 4                     | 27                   |

KEYS: CLUD COVER % ..... 0 TO 100 = % CLUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE G=GOOD P=POOR F=FAIR  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV<br>MSS                              |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 05636W                      | 3720S             | 2390-12462                              | 00000/0000       | 2-20020/1436        | 02/16/76        | 70           | 5435         | 50.2                  | 73.2                |                      |                       |                      |
| 05637W                      | 4717N             | 2658-13454                              | 00000/0000       | 2-20036/0273        | 11/10/76        | 90           | 9173         | 21.3                  | 153.2               | GGGF                 | 239                   | 86                   |
| 05638W                      | 5556N             | 2589-14024                              | 2-20033/0211     | 2-20032/0555        | 09/02/76        | 90           | 8211         | 37.7                  | 147.0               | GGG                  | 4                     | 27                   |
| 05638W                      | 4717N             | 2640-13482                              | 00000/0000       | 2-20034/1030        | 10/23/76        | 30           | 8922         | 26.7                  | 151.2               | FGGG                 | 7                     | 21                   |
| 05639W                      | 5551N             | 2481-14064                              | 00000/0000       | 2-20025/0565        | 05/17/76        | 100          | 6705         | 49.3                  | 143.7               | FGGG                 | 4                     | 27                   |
| 05639W                      | 5016N             | 2479-13555                              | 00000/0000       | 2-20025/0416        | 05/15/76        | 100          | 6677         | 52.2                  | 136.2               | GGGG                 | 7                     | 21                   |
| 05640W                      | 5550N             | 2427-14071                              | 00000/0000       | 2-20022/0567        | 03/24/76        | 60           | 5952         | 31.7                  | 148.6               | GGGG                 | 5                     | 25                   |
| 05640W                      | 5550N             | 2553-14034                              | 00000/0000       | 2-20030/0162        | 07/28/76        | 80           | 7709         | 47.7                  | 139.9               | GGGG                 | 7                     | 21                   |
| 05640W                      | 3300S             | 2373-12511                              | 00000/0000       | 2-20020/0631        | 01/30/76        | 30           | 5198         | 45.2                  | 82.1                | FGGG                 | 240                   | 83                   |
| 05641W                      | 8008N             | 2554-17274                              | 2-20031/0010     | 00000/0000          | 07/29/76        | 10           | 7725         | 27.6                  | 205.7               | GGG                  | 44                    | 1                    |
| 05641W                      | 5545N             | 2499-14051                              | 00000/0000       | 2-20026/0702        | 06/04/76        | 70           | 6956         | 52.0                  | 140.9               | GGGG                 | 7                     | 21                   |
| 05641W                      | 5543N             | 2535-14041                              | 00000/0000       | 2-20028/1018        | 07/10/76        | 90           | 7458         | 51.0                  | 138.3               | GGGF                 | 7                     | 21                   |
| 05641W                      | 5303N             | 2480-14004                              | 00000/0000       | 2-20025/0650        | 05/16/76        | 40           | 6691         | 50.8                  | 140.0               | GGGG                 | 6                     | 23                   |
| 05641W                      | 5018N             | 2695-13490                              | 00000/0000       | 2-20037/1000        | 12/17/76        | 100          | 9689         | 12.1                  | 153.5               | FGFG                 | 5                     | 25                   |
| 05641W                      | 5018N             | 2731-13474                              | 00000/0000       | 2-20034/1552        | 01/22/77        | 30           | 191          | 14.4                  | 148.4               | GGGG                 | 5                     | 25                   |
| 05642W                      | 3305S             | 2391-12505                              | 00000/0000       | 2-20021/0227        | 02/17/76        | 10           | 5449         | 42.0                  | 75.6                | FFFF                 | 240                   | 83                   |
| 05643W                      | 5549N             | 2607-14021                              | 00000/0000       | 2-20032/1521        | 09/20/76        | 90           | 8462         | 31.6                  | 151.0               | GGGG                 | 7                     | 21                   |
| 05643W                      | 5545N             | 2625-14014                              | 00000/0000       | 2-20034/0462        | 10/08/76        | 70           | 8713         | 25.3                  | 154.4               | GGGG                 | 7                     | 21                   |
| 05643W                      | 5540N             | 2409-14074                              | 00000/0000       | 2-20021/1206        | 03/06/76        | 90           | 5701         | 24.8                  | 149.6               | GGGG                 | 7                     | 21                   |
| 05643W                      | 5309N             | 2714-13531                              | 00000/0000       | 2-20038/0599        | 01/05/77        | 100          | 9954         | 10.0                  | 152.3               | GGG                  | 6                     | 23                   |
| 05644W                      | 5307N             | 2696-13535                              | 00000/0000       | 2-20037/0944        | 12/18/76        | 90           | 9703         | 9.9                   | 154.6               | GGGG                 | 6                     | 23                   |
| 05644W                      | 2844S             | 2536-12511                              | 00000/0000       | 2-20028/1318        | 07/11/76        | 10           | 7471         | 23.0                  | 45.7                | GGGG                 | 241                   | 80                   |
| 05645W                      | 5539N             | 2373-14084                              | 00000/0000       | 2-20020/0651        | 01/30/76        | 50           | 5199         | 12.9                  | 152.9               | GFGF                 | 7                     | 21                   |
| 05645W                      | 5539N             | 2517-14044                              | 00000/0000       | 2-20027/0300        | 06/22/76        | 80           | 7207         | 52.6                  | 138.7               | GGGF                 | 7                     | 21                   |
| 05645W                      | 5012N             | 2677-13495                              | 00000/0000       | 2-20037/0415        | 11/29/76        | 100          | 9438         | 14.5                  | 154.8               | GGGG                 | 5                     | 25                   |
| 05645W                      | 4314N             | 2711-13390                              | 00000/0000       | 2-20038/0098        | 01/02/77        | 70           | 9912         | 17.2                  | 148.3               | GGGG                 | 3                     | 30                   |
| 05645W                      | 2842S             | 2518-12515                              | 00000/0000       | 2-20028/0107        | 06/23/76        | 0            | 7220         | 22.6                  | 44.0                | FFFF                 | 241                   | 80                   |
| 05646W                      | 5543N             | 2661-14002                              | 00000/0000       | 2-20036/0545        | 11/13/76        | 90           | 9215         | 13.7                  | 157.8               | FGGG                 | 7                     | 21                   |
| 05646W                      | 5536N             | 2391-14032                              | 00000/0000       | 2-20020/1646        | 02/17/76        | 40           | 5450         | 18.3                  | 150.9               | FFFF                 | 7                     | 21                   |
| 05646W                      | 4311N             | 2693-13394                              | 00000/0000       | 2-20037/0852        | 12/15/76        | 80           | 9661         | 17.8                  | 150.6               | FGFG                 | 3                     | 30                   |
| 05646W                      | 2849S             | 2572-12501                              | 00000/0000       | 2-20030/1360        | 08/16/76        | 10           | 7973         | 29.1                  | 52.2                | F                    | 241                   | 80                   |
| 05647W                      | 8036N             | 2523-17565                              | 2-20023/0235     | 00000/0000          | 06/28/76        | 90           | 7293         | 31.2                  | 214.5               | GGG                  | 32                    | 248                  |
| 05647W                      | 7209N             | 2457-15100                              | 00000/0000       | 2-20023/0546        | 04/23/76        | 10           | 6371         | 30.3                  | 170.3               | FFGF                 | 19                    | 9                    |
| 05647W                      | 5009N             | 2659-13503                              | 00000/0000       | 2-20036/0381        | 11/11/76        | 60           | 9187         | 18.8                  | 154.7               | GGGG                 | 5                     | 25                   |
| 05647W                      | 4312N             | 2729-13382                              | 00000/0000       | 2-20038/1547        | 01/20/77        | 90           | 163          | 19.0                  | 145.3               | GGGG                 | 3                     | 30                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RNL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05647N                                  | 2846S             | 2590-12494                   | 00000/0000                 | 2-20032/0625     | 09/03/76            | 90              | 8224         | 34.2         | 56.6                               | GGGG                |                      | 241                   | 80                   |
| 05648N                                  | 7435N             | 2461-15320                   | 00000/0000                 | 2-20024/0695     | 04/27/76            | 90              | 6427         | 29.4         | 176.8                              | GGGG                |                      | 23                    | 7                    |
| 05648N                                  | 5542N             | 2643-14010                   | 00000/0000                 | 2-20034/1182     | 10/26/76            | 90              | 8964         | 19.1         | 156.8                              | GGGG                |                      | 7                     | 21                   |
| 05648N                                  | 5005N             | 2641-13511                   | 00000/0000                 | 2-20034/1173     | 10/24/76            | 60              | 8936         | 24.2         | 153.1                              | GGGG                |                      | 5                     | 25                   |
| 05648N                                  | 4306N             | 2675-13403                   | 00000/0000                 | 2-20036/1387     | 11/27/76            | 80              | 9410         | 20.5         | 151.6                              | GGGG                |                      | 3                     | 30                   |
| 05648N                                  | 2846S             | 2608-12491                   | 00000/0000                 | 2-20032/1571     | 09/21/76            | 10              | 8475         | 39.7         | 61.9                               | FFFF                |                      | 241                   | 80                   |
| 05650N                                  | 5300N             | 2678-13544                   | 00000/0000                 | 2-20036/1674     | 11/30/76            | 70              | 9452         | 12.1         | 156.1                              | GGGG                |                      | 6                     | 23                   |
| 05650N                                  | 2841S             | 2644-12480                   | 00000/0000                 | 2-20035/0088     | 10/27/76            | 50              | 8977         | 49.0         | 76.0                               | GGGG                |                      | 241                   | 80                   |
| 05651N                                  | 5256N             | 2660-13552                   | 00000/0000                 | 2-20036/0391     | 11/12/76            | 60              | 9201         | 16.3         | 156.2                              | GGGG                |                      | 6                     | 23                   |
| 05652W                                  | 5254N             | 2642-13561                   | 00000/0000                 | 2-20034/1150     | 10/25/76            | 30              | 8950         | 21.7         | 154.9                              | GGGG                |                      | 6                     | 23                   |
| 05652W                                  | 4302N             | 2639-13415                   | 00000/0000                 | 2-20034/1043     | 10/22/76            | 90              | 8908         | 30.2         | 148.5                              | GGGG                |                      | 3                     | 30                   |
| 05652W                                  | 4302N             | 2657-13411                   | 00000/0000                 | 2-20036/0201     | 11/09/76            | 70              | 9159         | 24.9         | 150.9                              | GGGG                |                      | 3                     | 30                   |
| 05653W                                  | 8008N             | 2536-17281                   | 2-20029/0311               | 00000/0000       | 07/11/76            | 90              | 7474         | 31.0         | 206.2                              | FFF                 |                      | 44                    | 1                    |
| 05653W                                  | 6938N             | 2454-14535                   | 00000/0000                 | 2-20023/0521     | 04/20/76            | 20              | 6329         | 31.5         | 165.1                              | GGGG                |                      | 16                    | 11                   |
| 05655W                                  | 3842N             | 2404-13441                   | 2-20027/0599               | 00000/0000       | 03/01/76            | 60              | 5631         | 34.2         | 138.1                              | FF                  |                      | 2                     | 33                   |
| 05656W                                  | 7434N             | 2443-15324                   | 00000/0000                 | 2-20022/1632     | 04/09/76            | 20              | 6176         | 23.2         | 175.9                              | GGGG                |                      | 23                    | 7                    |
| 05658W                                  | 3433S             | 2427-12501                   | 00000/0000                 | 2-20022/0582     | 03/24/76            | 20              | 5951         | 33.8         | 59.9                               | GGGG                |                      | 240                   | 84                   |
| 05702W                                  | 3837S             | 2372-12471                   | 00000/0000                 | 2-20020/0582     | 01/29/76            | 10              | 5184         | 43.3         | 78.0                               | FFFF                |                      | 239                   | 87                   |
| 05704W                                  | 4605N             | 2712-13435                   | 00000/0000                 | 2-20038/0659     | 01/03/77            | 100             | 9926         | 15.2         | 149.4                              | GGGG                |                      | 4                     | 28                   |
| 05704W                                  | 3846S             | 2390-12465                   | 00000/0000                 | 2-20020/1437     | 02/16/76            | 30              | 5435         | 39.5         | 72.4                               | GGGG                |                      | 239                   | 87                   |
| 05706W                                  | 4601N             | 2694-13444                   | 00000/0000                 | 2-20037/1092     | 12/16/76            | 40              | 9675         | 15.5         | 151.7                              | GGGG                |                      | 4                     | 28                   |
| 05706W                                  | 3425S             | 2373-12514                   | 00000/0000                 | 2-20020/0632     | 01/30/76            | 50              | 5198         | 44.7         | 80.9                               | GGGG                |                      | 240                   | 84                   |
| 05707W                                  | 8013N             | 2573-17325                   | 2-20033/0017               | 00000/0000       | 08/17/76            | 90              | 7990         | 22.0         | 206.8                              | GGG                 |                      | 44                    | 1                    |
| 05707W                                  | 4603N             | 2730-13431                   | 00000/0000                 | 2-20038/1565     | 01/21/77            | 90              | 177          | 17.2         | 146.5                              | GGGG                |                      | 4                     | 28                   |
| 05707W                                  | 2425S             | 2393-12594                   | 00000/0000                 | 2-20021/0193     | 02/19/76            | 20              | 5477         | 44.9         | 81.7                               | GGGG                |                      | 242                   | 77                   |
| 05708W                                  | 5721N             | 2464-14112                   | 00000/0000                 | 2-20024/0187     | 04/30/76            | 90              | 6468         | 44.0         | 147.7                              | GGGG                |                      | 3                     | 20                   |
| 05708W                                  | 3431S             | 2391-12511                   | 00000/0000                 | 2-20021/0228     | 02/17/76            | 40              | 5449         | 41.3         | 74.7                               | GGGG                |                      | 240                   | 84                   |
| 05709W                                  | 5724N             | 2446-14115                   | 00000/0000                 | 2-20022/1785     | 04/12/76            | 80              | 6217         | 38.0         | 149.1                              | GGGG                |                      | 3                     | 20                   |
| 05709W                                  | 3007S             | 2518-12521                   | 00000/0000                 | 2-20028/0108     | 06/23/76            | 0               | 7220         | 21.4         | 43.8                               | FFFF                |                      | 241                   | 81                   |
| 05710W                                  | 8012N             | 2609-17315                   | 2-20034/1205               | 00000/0000       | 09/22/76            | 10              | 8492         | 8.8          | 208.1                              | GGG                 |                      | 44                    | 1                    |
| 05710W                                  | 4555N             | 2676-13452                   | 00000/0000                 | 2-20036/1452     | 11/28/76            | 90              | 9424         | 18.1         | 152.8                              | GGGG                |                      | 4                     | 28                   |
| 05710W                                  | 3010S             | 2536-12514                   | 00000/0000                 | 2-20028/1319     | 07/11/76            | 10              | 7471         | 21.8         | 45.5                               | FFFF                |                      | 241                   | 81                   |
| 05710W                                  | 3015S             | 2572-12504                   | 00000/0000                 | 2-20030/1361     | 08/16/76            | 10              | 7973         | 28.0         | 51.8                               | GGGG                |                      | 241                   | 81                   |
| 05711W                                  | 3012S             | 2590-12501                   | 00000/0000                 | 2-20032/0626     | 09/03/76            | 90              | 8224         | 33.2         | 56.0                               | GGGG                |                      | 241                   | 81                   |
| 05712W                                  | 8012N             | 2591-17322                   | 2-20033/0116               | 00000/0000       | 09/04/76            | 10              | 8241         | 15.7         | 207.2                              | GGG                 |                      | 44                    | 1                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIN. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05712W 5721N                            | 2590-14080        | 00000/0000 2-20032/0588                            | 09/03/76         | 10                  | 8225            | 36.4         | 148.7        |                                    |                     |                      |                       |                      |
| 05712W 4552N                            | 2658-13461        | 00000/0000 2-20036/0274                            | 11/10/76         | 50                  | 9173            | 22.4         | 152.5        | GGGG                               |                     |                      | 8                     | 20                   |
| 05712W 3011S                            | 2608-12494        | 00000/0000 2-20032/1572                            | 09/21/76         | 10                  | 8475            | 38.8         | 61.1         | GGGG                               |                     |                      | 4                     | 28                   |
| 05713W 5719N                            | 2572-14083        | 00000/0000 2-20030/1408                            | 08/16/76         | 80                  | 7974            | 42.0         | 145.0        | FFFF                               |                     |                      | 241                   | 81                   |
| 05713W 4552N                            | 2640-13465        | 00000/0000 2-20034/1031                            | 10/23/76         | 10                  | 8922            | 27.8         | 150.4        | FGGF                               |                     |                      | 8                     | 20                   |
| 05714W 6821N                            | 2453-14483        | 00000/0000 2-20023/0508                            | 04/19/76         | 20                  | 6315            | 32.2         | 162.9        | GFGF                               |                     |                      | 4                     | 28                   |
| 05714W 5714N                            | 2554-14090        | 00000/0000 2-20030/0164                            | 07/29/76         | 90                  | 7723            | 46.7         | 142.0        | GGGG                               |                     |                      | 15                    | 12                   |
| 05714W 5713N                            | 2482-14105        | 00000/0000 2-20025/0864                            | 05/18/76         | 90                  | 6719            | 48.6         | 145.5        | GGGG                               |                     |                      | 8                     | 20                   |
| 05714W 3007S                            | 2644-12482        | 00000/0000 2-20035/0089                            | 10/27/76         | 50                  | 8977            | 48.4         | 74.7         | FGGG                               |                     |                      | 8                     | 20                   |
| 05715W 5716N                            | 2428-14123        | 00000/0000 2-20022/0490                            | 03/25/76         | 100                 | 5966            | 31.1         | 149.9        | GGGG                               |                     |                      | 241                   | 81                   |
| 05717W 5714N                            | 2608-14073        | 00000/0000 2-20032/1411                            | 09/21/76         | 100                 | 8476            | 30.2         | 152.5        | FGGG                               |                     |                      | 8                     | 20                   |
| 05717W 4851N                            | 2479-13562        | 00000/0000 2-20025/0417                            | 05/15/76         | 90                  | 6677            | 53.0         | 134.1        | GGGG                               |                     |                      | 8                     | 20                   |
| 05717W 4148N                            | 2711-13392        | 00000/0000 2-20038/0099                            | 01/02/77         | 60                  | 9912            | 18.3         | 147.7        | GGGG                               |                     |                      | 5                     | 26                   |
| 05717W 4146N                            | 2693-13401        | 00000/0000 2-20037/0853                            | 12/15/76         | 80                  | 9661            | 18.9         | 150.0        | GGGG                               |                     |                      | 3                     | 31                   |
| 05718W 7424N                            | 2497-15311        | 00000/0000 2-20026/0156                            | 06/02/76         | 80                  | 6929            | 37.8         | 175.5        | GGGG                               |                     |                      | 3                     | 31                   |
| 05718W 4147N                            | 2729-13384        | 00000/0000 2-20038/1548                            | 01/20/77         | 90                  | 163             | 20.0         | 144.7        | GGGG                               |                     |                      | 23                    | 7                    |
| 05719W 4855N                            | 2713-13484        | 00000/0000 2-20038/0766                            | 01/04/77         | 80                  | 9940            | 13.1         | 150.5        | GGGG                               |                     |                      | 3                     | 31                   |
| 05720W 8041N                            | 2560-18013        | 2-20031/0049 00000/0000                            | 08/04/76         | 80                  | 7809            | 24.9         | 214.0        | GGGG                               |                     |                      | 5                     | 26                   |
| 05720W 5709N                            | 2626-14065        | 00000/0000 2-20034/0737                            | 10/09/76         | 40                  | 8727            | 23.8         | 155.6        | GG                                 |                     |                      | 32                    | 248                  |
| 05720W 5705N                            | 2410-14130        | 00000/0000 2-20021/1271                            | 03/07/76         | 90                  | 5715            | 24.1         | 150.6        | GGGG                               |                     |                      | 8                     | 20                   |
| 05720W 4853N                            | 2695-13493        | 00000/0000 2-20037/1001                            | 12/17/76         | 100                 | 9689            | 13.2         | 152.8        | GGGG                               |                     |                      | 8                     | 20                   |
| 05720W 4853N                            | 2731-13480        | 00000/0000 2-20038/1553                            | 01/22/77         | 30                  | 191             | 15.4         | 147.7        | GGGG                               |                     |                      | 5                     | 26                   |
| 05720W 4141N                            | 2675-13405        | 00000/0000 2-20036/1388                            | 11/27/76         | 80                  | 9410            | 21.6         | 150.9        | GGGG                               |                     |                      | 5                     | 26                   |
| 05721W 5708N                            | 2536-14093        | 00000/0000 2-20028/0956                            | 07/11/76         | 60                  | 7472            | 50.0         | 140.5        | GGGG                               |                     |                      | 3                     | 31                   |
| 05721W 5706N                            | 2644-14061        | 00000/0000 2-20035/0263                            | 10/27/76         | 90                  | 8978            | 17.7         | 157.8        | GGGG                               |                     |                      | 8                     | 20                   |
| 05721W 5435N                            | 2463-14063        | 00000/0000 2-20024/0937                            | 04/29/76         | 100                 | 6454            | 45.6         | 144.4        | GGGG                               |                     |                      | 8                     | 20                   |
| 05721W 5434N                            | 2445-14070        | 00000/0000 2-20023/0003                            | 04/11/76         | 90                  | 6203            | 39.5         | 146.2        | FGGG                               |                     |                      | 7                     | 22                   |
| 05722W 4137N                            | 2657-13414        | 00000/0000 2-20036/0202                            | 11/09/76         | 70                  | 9159            | 26.0         | 150.2        | GGGG                               |                     |                      | 7                     | 22                   |
| 05723W 5706N                            | 2662-14053        | 00000/0000 2-20036/0641                            | 11/14/76         | 70                  | 9229            | 12.3         | 158.7        | GGGG                               |                     |                      | 3                     | 31                   |
| 05723W 5704N                            | 2518-14100        | 00000/0000 2-20027/0293                            | 06/23/76         | 70                  | 7221            | 51.7         | 140.8        | GGGG                               |                     |                      | 8                     | 20                   |
| 05723W 5433N                            | 2571-14033        | 00000/0000 2-20030/1356                            | 08/15/76         | 0                   | 7960            | 44.0         | 141.5        | GGGG                               |                     |                      | 8                     | 20                   |
| 05723W 4137N                            | 2639-13422        | 00000/0000 2-20034/1044                            | 10/22/76         | 100                 | 8908            | 31.3         | 147.6        | GGGG                               |                     |                      | 7                     | 22                   |
| 05724W 5139N                            | 2480-14011        | 00000/0000 2-20025/0651                            | 05/16/76         | 40                  | 6691            | 51.6         | 138.0        | GGGG                               |                     |                      | 3                     | 31                   |
| 05724W 4847N                            | 2677-13501        | 00000/0000 2-20037/0416                            | 11/29/76         | 100                 | 9438            | 15.7         | 154.1        | GGGG                               |                     |                      | 6                     | 24                   |
| 05724W 3559S                            | 2427-12503        | 00000/0000 2-20022/0583                            | 03/24/76         | 20                  | 5951            | 32.8         | 59.4         | FFFF                               |                     |                      | 5                     | 26                   |
|                                         |                   |                                                    |                  |                     |                 |              |              |                                    |                     |                      | 240                   | 85                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG | LAT   | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PAYH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|-------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05725W                              | 5144N | 2714-13533        | 00000/0000 2-2003A/0600                        | 01/05/77         | 90                  | 9954            | 11.0         | 151.6        |                                    |                     |                      |                       |                      |
| 05725W                              | 4844N | 2659-13510        | 00000/0000 2-2003A/0382                        | 11/11/76         | 40                  | 9187            | 19.9         | 154.0        | GGGG                               |                     |                      | 6                     | 24                   |
| 05725W                              | 3554S | 2535-12474        | 00000/0000 2-2002A/1137                        | 07/10/76         | 0                   | 7457            | 18.9         | 44.9         | GGGG                               |                     |                      | 5                     | 26                   |
| 05725W                              | 3558S | 2553-12471        | 00000/0000 2-2003A/0312                        | 07/28/76         | 90                  | 7708            | 19.2         | 47.4         | FFFF                               |                     |                      | 240                   | 85                   |
| 05725W                              | 3558S | 2571-12463        | 00000/0000 2-2003A/1589                        | 08/15/76         | 10                  | 7959            | 23.3         | 50.5         | GGGG                               |                     |                      | 240                   | 85                   |
| 05726W                              | 5432N | 2589-14030        | 2-20033/0212 2-20032/0556                      | 09/02/76         | 90                  | 8211            | 38.7         | 145.6        | GGFF                               |                     |                      | 240                   | 85                   |
| 05726W                              | 4841N | 2641-13514        | 00000/0000 2-2003A/1174                        | 10/24/76         | 60                  | 8936            | 25.3         | 152.2        | GFG FGGG                           |                     |                      | 7                     | 22                   |
| 05727W                              | 5427N | 2427-14073        | 00000/0000 2-2002A/0568                        | 03/24/76         | 10                  | 5952            | 32.7         | 147.4        | GGGG                               |                     |                      | 5                     | 26                   |
| 05727W                              | 5426N | 2481-14060        | 00000/0000 2-20025/0566                        | 05/17/76         | 40                  | 6705            | 50.2         | 141.7        | GGGG                               |                     |                      | 7                     | 22                   |
| 05727W                              | 5142N | 2696-13543        | 00000/0000 2-20037/0945                        | 12/18/76         | 80                  | 9703            | 11.0         | 154.0        | GGGG                               |                     |                      | 7                     | 22                   |
| 05728W                              | 5426N | 2553-14041        | 00000/0000 2-20030/0163                        | 07/28/76         | 80                  | 7709            | 48.5         | 138.0        | GGGG                               |                     |                      | 6                     | 24                   |
| 05728W                              | 5422N | 2499-14054        | 00000/0000 2-20026/0703                        | 06/04/76         | 40                  | 6956            | 52.8         | 138.8        | GGGG                               |                     |                      | 7                     | 22                   |
| 05729W                              | 6700N | 2452-14431        | 00000/0000 2-20024/0074                        | 04/18/76         | 30                  | 6301            | 32.9         | 160.8        | GGGG                               |                     |                      | 7                     | 22                   |
| 05729W                              | 5419N | 2535-14044        | 00000/0000 2-2002A/1019                        | 07/10/76         | 90                  | 7458            | 51.7         | 136.2        | GGGG                               |                     |                      | 14                    | 13                   |
| 05730W                              | 5422N | 2625-14020        | 00000/0000 2-2003A/0463                        | 10/08/76         | 90                  | 8713            | 26.4         | 153.4        | GGGG                               |                     |                      | 7                     | 22                   |
| 05730W                              | 5417N | 2409-14081        | 00000/0000 2-20021/1207                        | 03/06/76         | 90                  | 5701            | 25.7         | 148.5        | GGGG                               |                     |                      | 7                     | 22                   |
| 05731W                              | 2550S | 2393-13001        | 00000/0000 2-20021/0194                        | 02/19/76         | 10                  | 5477            | 44.5         | 80.4         | FPPP                               |                     |                      | 7                     | 22                   |
| 05732W                              | 3552S | 2661-12434        | 00000/0000 2-20036/0926                        | 11/13/76         | 10                  | 9214            | 48.5         | 76.2         | GGGG                               |                     |                      | 242                   | 78                   |
| 05732W                              | 5425N | 2607-14023        | 00000/0000 2-20032/1522                        | 09/20/76         | 90                  | 8462            | 32.7         | 149.8        | GGGG                               |                     |                      | 240                   | 85                   |
| 05732W                              | 5135N | 2678-13550        | 00000/0000 2-20036/1675                        | 11/30/76         | 60                  | 9452            | 13.2         | 155.4        | GGGG                               |                     |                      | 7                     | 22                   |
| 05733W                              | 5415N | 2373-14090        | 00000/0000 2-20020/0652                        | 01/30/76         | 30                  | 5199            | 13.9         | 152.1        | GGGG                               |                     |                      | 6                     | 24                   |
| 05733W                              | 5415V | 2517-14051        | 00000/0000 2-20027/0301                        | 06/22/76         | 80                  | 7207            | 53.3         | 136.5        | GFGG                               |                     |                      | 7                     | 22                   |
| 05733W                              | 5130N | 2642-13563        | 00000/0000 2-20034/1161                        | 10/25/76         | 30                  | 8950            | 22.8         | 154.0        | GGGG                               |                     |                      | 7                     | 22                   |
| 05733W                              | 3135S | 2536-12520        | 00000/0000 2-2002A/1320                        | 07/11/76         | 10                  | 7471            | 20.7         | 45.3         | GGGG                               |                     |                      | 6                     | 24                   |
| 05733W                              | 3550S | 2373-12520        | 00000/0000 2-20020/0633                        | 01/30/76         | 90                  | 5198            | 44.2         | 79.8         | GGGG                               |                     |                      | 241                   | 82                   |
| 05734W                              | 5420N | 2661-14004        | 00000/0000 2-20036/0546                        | 11/13/76         | 60                  | 9215            | 14.9         | 157.0        | FFFF                               |                     |                      | 240                   | 85                   |
| 05734W                              | 5412N | 2391-14084        | 00000/0000 2-20020/1647                        | 02/17/76         | 10                  | 5450            | 19.3         | 150.0        | GGGG                               |                     |                      | 7                     | 22                   |
| 05734W                              | 5132N | 2660-13555        | 00000/0000 2-20036/0392                        | 11/12/76         | 40                  | 9201            | 17.4         | 155.5        | FFFF                               |                     |                      | 7                     | 22                   |
| 05735W                              | 5419N | 2643-14012        | 00000/0000 2-20034/1183                        | 10/26/76         | 50                  | 8964            | 20.3         | 155.9        | GGFG                               |                     |                      | 6                     | 24                   |
| 05735W                              | 3138S | 2590-12503        | 00000/0000 2-20032/0627                        | 09/03/76         | 80                  | 8224            | 32.1         | 55.5         | GGFG                               |                     |                      | 7                     | 22                   |
| 05735W                              | 3556S | 2391-12514        | 00000/0000 2-20021/0229                        | 02/17/76         | 80                  | 5449            | 40.7         | 73.7         | FFFF                               |                     |                      | 241                   | 82                   |
| 05736W                              | 6652N | 2470-14424        | 00000/0000 2-20025/0195                        | 05/06/76         | 10                  | 6552            | 38.7         | 160.3        | GGGG                               |                     |                      | 240                   | 85                   |
| 05737W                              | 8004N | 2518-17284        | 2-20029/0200 00000/0000                        | 06/23/76         | 40                  | 7223            | 32.5         | 206.5        | GGGG                               |                     |                      | 14                    | 13                   |
| 05737W                              | 5847N | 2465-14164        | 00000/0000 2-20024/0939                        | 05/01/76         | 90                  | 6482            | 43.3         | 149.4        | GFG                                |                     |                      | 45                    | 1                    |
| 05737W                              | 3136S | 2608-12500        | 00000/0000 2-20032/1573                        | 09/21/76         | 10                  | 8475            | 37.9         | 60.4         | FFFF                               |                     |                      | 9                     | 19                   |
|                                     |       |                   |                                                |                  |                     |                 |              |              |                                    |                     |                      | 241                   | 82                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NSN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>SF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05738W                                  | 4440N             | 2712-13442                   | 00000/0000                 | 2-20038/0660     | 01/03/77            | 100             | 9926         | 16.2         | 148.8                              | GGGG                |                      | 4                     | 29                   |
| 05739W                                  | 3135S             | 2662-12481                   | 00000/0000                 | 2-20034/0599     | 11/14/76            | 10              | 9228         | 50.2         | 80.7                               | GGGG                |                      | 241                   | 82                   |
| 05740W                                  | 4436N             | 2694-13480                   | 00000/0000                 | 2-20037/1093     | 12/16/76            | 90              | 9675         | 16.6         | 151.1                              | FGGG                |                      | 4                     | 29                   |
| 05741W                                  | 4438N             | 2730-13434                   | 00000/0000                 | 2-20038/1566     | 01/21/77            | 60              | 177          | 18.2         | 145.8                              | GGGG                |                      | 4                     | 29                   |
| 05743W                                  | 7650N             | 2449-16060                   | 00000/0000                 | 2-20022/1802     | 04/15/76            | 10              | 6260         | 23.1         | 184.4                              | GGGG                |                      | 28                    | 5                    |
| 05743W                                  | 4430N             | 2676-13455                   | 00000/0000                 | 2-20036/1453     | 11/28/76            | 90              | 9424         | 19.2         | 152.2                              | GGGG                |                      | 4                     | 29                   |
| 05746W                                  | 4427N             | 2658-13463                   | 00000/0000                 | 2-20036/0275     | 11/10/76            | 50              | 9173         | 23.5         | 151.7                              | GGGG                |                      | 4                     | 29                   |
| 05746W                                  | 4426N             | 2640-13471                   | 00000/0000                 | 2-20034/1032     | 10/23/76            | 20              | 8922         | 28.9         | 149.5                              | FGGG                |                      | 4                     | 29                   |
| 05747W                                  | 8058N             | 2530-18362                   | 2-20033/0098               | 00000/0000       | 07/05/76            | 40              | 7391         | 29.5         | 223.1                              | GGG                 |                      | 45                    | 246                  |
| 05752W                                  | 8043N             | 2561-18071                   | 2-20031/0056               | 00000/0000       | 08/05/76            | 90              | 7823         | 24.6         | 214.8                              | G G                 |                      | 39                    | 247                  |
| 05752W                                  | 3723S             | 2571-12470                   | 00000/0000                 | 2-20030/1590     | 08/15/76            | 10              | 7959         | 22.2         | 50.3                               | FFFF                |                      | 240                   | 86                   |
| 05752W                                  | 3724S             | 2553-12473                   | 00000/0000                 | 2-20030/0313     | 07/28/76            | 40              | 7708         | 18.1         | 47.3                               | GGGG                |                      | 240                   | 86                   |
| 05752W                                  | 3725S             | 2427-12510                   | 00000/0000                 | 2-20022/0584     | 03/24/76            | 20              | 5951         | 31.8         | 58.9                               | GGGG                |                      | 240                   | 86                   |
| 05753W                                  | 6522N             | 2415-14390                   | 00000/0000                 | 2-20022/0071     | 03/12/76            | 50              | 5785         | 19.9         | 158.3                              | GGGG                |                      | 13                    | 14                   |
| 05753W                                  | 2716S             | 2393-13003                   | 00000/0000                 | 2-20021/0195     | 02/19/76            | 10              | 5477         | 44.0         | 79.2                               | FFFF                |                      | 242                   | 79                   |
| 05753W                                  | 3718S             | 2517-12483                   | 00000/0000                 | 2-20027/0409     | 06/22/76            | 40              | 7206         | 15.3         | 43.4                               | FFFF                |                      | 240                   | 86                   |
| 05753W                                  | 3720S             | 2535-12480                   | 00000/0000                 | 2-20028/1138     | 07/10/76            | 0               | 7457         | 15.7         | 44.9                               | FFGP                |                      | 240                   | 86                   |
| 05754W                                  | 4726N             | 2479-13564                   | 00000/0000                 | 2-20025/0418     | 05/15/76            | 100             | 6677         | 53.7         | 132.1                              | GGGG                |                      | 5                     | 27                   |
| 05755W                                  | 4730N             | 2713-13491                   | 00000/0000                 | 2-20038/0767     | 01/04/77            | 90              | 9940         | 14.2         | 149.9                              | GGGG                |                      | 5                     | 27                   |
| 05757W                                  | 4728N             | 2695-13495                   | 00000/0000                 | 2-20037/1002     | 12/17/76            | 100             | 9689         | 14.3         | 152.2                              | GGGG                |                      | 5                     | 27                   |
| 05757W                                  | 4728N             | 2731-13483                   | 00000/0000                 | 2-20038/1554     | 01/22/77            | 80              | 191          | 16.4         | 147.0                              | GGGG                |                      | 5                     | 27                   |
| 05757W                                  | 3300S             | 2536-12523                   | 00000/0000                 | 2-20022/1321     | 07/11/76            | 0               | 7471         | 19.5         | 45.2                               | FF                  |                      | 241                   | 83                   |
| 05758W                                  | 3717S             | 2661-12440                   | 00000/0000                 | 2-20036/0927     | 11/13/76            | 10              | 9214         | 47.9         | 74.9                               | GGGG                |                      | 240                   | 86                   |
| 05759W                                  | 3714S             | 2643-12445                   | 00000/0000                 | 2-20035/0079     | 10/26/76            | 70              | 8963         | 44.7         | 68.5                               | GGGG                |                      | 240                   | 86                   |
| 05759W                                  | 3725S             | 2697-12423                   | 00000/0000                 | 2-20037/1039     | 12/19/76            | 100             | 9716         | 48.0         | 84.2                               | GGGG                |                      | 240                   | 86                   |
| 05800W                                  | 5600N             | 2446-14122                   | 00000/0000                 | 2-20022/1786     | 04/12/76            | 30              | 6217         | 38.9         | 147.6                              | PGGG                |                      | 8                     | 21                   |
| 05800W                                  | 5557N             | 2464-14115                   | 00000/0000                 | 2-20024/0188     | 04/30/76            | 90              | 6468         | 45.0         | 146.0                              | FGGF                |                      | 8                     | 21                   |
| 05800W                                  | 4723N             | 2677-13504                   | 00000/0000                 | 2-20037/0417     | 11/29/76            | 100             | 9438         | 16.8         | 153.5                              | GGGG                |                      | 5                     | 27                   |
| 05800W                                  | 3714S             | 2625-12452                   | 00000/0000                 | 2-20034/0465     | 10/08/76            | 60              | 8712         | 39.7         | 62.6                               | GGGG                |                      | 240                   | 86                   |
| 05801W                                  | 3716S             | 2373-12523                   | 00000/0000                 | 2-20020/0634     | 01/30/76            | 90              | 5198         | 43.7         | 78.7                               | FFFF                |                      | 240                   | 86                   |
| 05801W                                  | 3724S             | 2679-12432                   | 00000/0000                 | 2-20036/0738     | 12/01/76            | 80              | 9465         | 48.9         | 80.6                               | FFFF                |                      | 240                   | 86                   |
| 05802W                                  | 4720N             | 2659-13512                   | 00000/0000                 | 2-20036/0383     | 11/11/76            | 40              | 9187         | 21.0         | 153.3                              | GGGG                |                      | 5                     | 27                   |
| 05803W                                  | 5558N             | 2590-14082                   | 00000/0000                 | 2-20032/0589     | 09/03/76            | 40              | 8225         | 37.3         | 147.3                              | FGGG                |                      | 8                     | 21                   |
| 05803W                                  | 4716N             | 2641-13520                   | 00000/0000                 | 2-20034/1175     | 10/24/76            | 40              | 8936         | 26.4         | 151.4                              | GGGG                |                      | 5                     | 27                   |
| 05803W                                  | 3258S             | 2644-12491                   | 00000/0000                 | 2-20035/0027     | 10/27/76            | 90              | 8977         | 47.1         | 72.1                               | GGGG                |                      | 241                   | 83                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05803W 7627S                            | 2383-10351        | 00000/0000                   | 2-20020/1251                | 02/09/76         | 100                 | 5336            | 16.1         | 86.5         |                                    |                     |                      |                       |                      |
| 05805W 8037N                            | 2542-18020        | 2-20030/1870                 | 00000/0000                  | 07/17/76         | 10                  | 7558            | 29.1         | 213.6        | GGG                                | FFFG                |                      | 214                   | 115                  |
| 05805W 5555N                            | 2572-14085        | 00000/0000                   | 2-20030/1409                | 08/16/76         | 10                  | 7974            | 42.9         | 143.3        |                                    | FGFG                |                      | 33                    | 248                  |
| 05805W 5551N                            | 2554-14092        | 00000/0000                   | 2-20030/0165                | 07/29/76         | 90                  | 7723            | 47.5         | 140.1        |                                    | GGGG                |                      | 8                     | 21                   |
| 05805W 5549N                            | 2482-14112        | 00000/0000                   | 2-20025/0865                | 05/13/76         | 90                  | 6719            | 49.5         | 143.5        |                                    | FFGG                |                      | 8                     | 21                   |
| 05805W 5019N                            | 2714-13540        | 00000/0000                   | 2-20038/0601                | 01/08/77         | 90                  | 9954            | 12.1         | 151.0        |                                    | GGGG                |                      | 8                     | 21                   |
| 05805W 5014N                            | 2480-14013        | 00000/0000                   | 2-20025/0652                | 05/16/76         | 50                  | 6691            | 52.4         | 136.0        |                                    | GGGG                |                      | 6                     | 25                   |
| 05806W 5552N                            | 2428-14125        | 00000/0000                   | 2-20022/0491                | 03/25/76         | 100                 | 5966            | 32.1         | 148.6        |                                    | FGGG                |                      | 6                     | 25                   |
| 05807W 5544N                            | 2500-14105        | 00000/0000                   | 2-20026/1207                | 06/05/76         | 10                  | 6970            | 52.1         | 140.7        |                                    | GGFG                |                      | 8                     | 21                   |
| 05808W 5551N                            | 2608-14075        | 00000/0000                   | 2-20032/1412                | 05/21/76         | 100                 | 8476            | 31.3         | 151.2        |                                    | GGGG                |                      | 8                     | 21                   |
| 05808W 5549N                            | 2680-14051        | 00000/0000                   | 2-20036/1748                | 12/02/76         | 10                  | 9480            | 9.5          | 157.4        |                                    | GGGG                |                      | 8                     | 21                   |
| 05808W 5017N                            | 2696-13544        | 00000/0000                   | 2-20037/0946                | 12/18/76         | 80                  | 9703            | 12.1         | 153.3        |                                    | GGGG                |                      | 8                     | 21                   |
| 05810W 5545N                            | 2536-14100        | 00000/0000                   | 2-20028/0957                | 07/11/76         | 100                 | 7472            | 50.8         | 138.4        |                                    | GGGG                |                      | 6                     | 25                   |
| 05810W 5542N                            | 2410-14133        | 00000/0000                   | 2-20021/1272                | 03/07/76         | 90                  | 5715            | 25.1         | 149.5        |                                    | GGGG                |                      | 8                     | 21                   |
| 05810W 5308N                            | 2589-14033        | 2-20033/0213                 | 2-20032/0557                | 09/02/76         | 90                  | 8211            | 39.6         | 144.1        | FGG                                | FGGG                |                      | 8                     | 21                   |
| 05810W 5308N                            | 2715-13585        | 00000/0000                   | 2-20038/0908                | 01/06/77         | 20                  | 9968            | 10.1         | 152.2        |                                    | GGGG                |                      | 7                     | 23                   |
| 05810W 4312N                            | 2568-13495        | 00000/0000                   | 2-20032/0026                | 08/12/76         | 30                  | 7918            | 50.7         | 126.3        |                                    | FGGG                |                      | 7                     | 23                   |
| 05811W 5546N                            | 2626-14072        | 00000/0000                   | 2-20034/0738                | 10/09/76         | 40                  | 8727            | 24.9         | 154.6        |                                    | GGGG                |                      | 4                     | 30                   |
| 05811W 5542N                            | 2644-14064        | 00000/0000                   | 2-20035/0264                | 10/27/76         | 90                  | 8978            | 18.8         | 156.9        |                                    | GGGG                |                      | 8                     | 21                   |
| 05811W 5541N                            | 2374-14142        | 00000/0000                   | 2-20020/0731                | 01/31/76         | 20                  | 5213            | 13.1         | 152.8        |                                    | GGGG                |                      | 8                     | 21                   |
| 05811W 4314N                            | 2712-13444        | 00000/0000                   | 2-20038/0661                | 01/03/77         | 90                  | 9926            | 17.3         | 148.2        |                                    | GGGG                |                      | 8                     | 21                   |
| 05812W 5541N                            | 2518-14103        | 00000/0000                   | 2-20027/0294                | 06/23/76         | 90                  | 7221            | 52.5         | 138.7        |                                    | GGGF                |                      | 4                     | 30                   |
| 05812W 5302N                            | 2481-14063        | 00000/0000                   | 2-20025/0567                | 05/17/76         | 40                  | 6705            | 51.0         | 139.8        |                                    | GGGG                |                      | 8                     | 21                   |
| 05812W 5012N                            | 2678-13553        | 00000/0000                   | 2-20036/1676                | 11/30/76         | 50                  | 9452            | 14.4         | 154.7        |                                    | GGGG                |                      | 7                     | 23                   |
| 05812W 4310N                            | 2694-13453        | 00000/0000                   | 2-20037/1094                | 12/16/76         | 90                  | 9675            | 17.7         | 150.5        |                                    | FGGG                |                      | 6                     | 25                   |
| 05813W 5006N                            | 2642-13570        | 00000/0000                   | 2-20034/1162                | 10/25/76         | 80                  | 8950            | 23.9         | 153.2        |                                    | GGGG                |                      | 4                     | 30                   |
| 05814W 5543N                            | 2662-14060        | 00000/0000                   | 2-20036/0642                | 11/14/76         | 90                  | 9229            | 13.5         | 157.8        |                                    | GGGG                |                      | 6                     | 25                   |
| 05814W 5254N                            | 2409-14083        | 00000/0000                   | 2-20021/1208                | 03/06/76         | 90                  | 5701            | 26.7         | 147.5        |                                    | GGGG                |                      | 8                     | 21                   |
| 05814W 5007N                            | 2660-13561        | 00000/0000                   | 2-20034/0393                | 11/12/76         | 70                  | 9201            | 18.5         | 154.8        |                                    | GGFG                |                      | 7                     | 23                   |
| 05814W 4313N                            | 2730-13440        | 00000/0000                   | 2-20038/1567                | 01/21/77         | 80                  | 177             | 19.2         | 145.2        |                                    | GGGG                |                      | 6                     | 25                   |
| 05815W 5259N                            | 2679-14002        | 00000/0000                   | 2-20036/1684                | 12/01/76         | 0                   | 9466            | 11.9         | 156.0        |                                    | GGGG                |                      | 4                     | 30                   |
| 05815W 4304N                            | 2676-13461        | 00000/0000                   | 2-20036/1454                | 11/28/76         | 80                  | 9424            | 20.3         | 151.6        |                                    | GGGG                |                      | 7                     | 23                   |
| 05817W 2842S                            | 2393-13010        | 00000/0000                   | 2-20021/0196                | 02/19/76         | 10                  | 5477            | 43.4         | 78.1         |                                    | GGGG                |                      | 4                     | 30                   |
| 05818W 4302N                            | 2658-13470        | 00000/0000                   | 2-20036/0276                | 11/10/76         | 40                  | 9173            | 24.6         | 151.0        |                                    | FGGG                |                      | 242                   | 80                   |
| 05818W 4301N                            | 2640-13474        | 00000/0000                   | 2-20034/1033                | 10/23/76         | 50                  | 8922            | 29.9         | 148.7        |                                    | FFGG                |                      | 4                     | 30                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05818W                      | 2843S             | 2375-13012                                     | 00000/0000       | 2-20020/0749        | 02/01/76        | 20           | 5226         | 46.2                               | 85.3                |                      |                       |                      |
| 05820W                      | 5255N             | 2643-14015                                     | 00000/0000       | 2-20034/1184        | 10/26/76        | 60           | 8964         | 21.4                               | 155.0               | PPPP                 | 242                   | 80                   |
| 05820W                      | 5255N             | 2661-14011                                     | 00000/0000       | 2-20036/0547        | 11/13/76        | 60           | 9215         | 16.0                               | 156.3               | GGGG                 | 7                     | 23                   |
| 05820W                      | 3845S             | 2535-12483                                     | 00000/0000       | 2-20028/1139        | 07/10/76        | 0            | 7457         | 14.5                               | 44.9                | GGGP                 | 7                     | 23                   |
| 05820W                      | 3850S             | 2427-12512                                     | 00000/0000       | 2-20022/0585        | 03/24/76        | 30           | 5951         | 30.8                               | 58.5                | FGGP                 | 240                   | 87                   |
| 05822W                      | 8015N             | 2553-12480                                     | 00000/0000       | 2-20030/0314        | 07/28/76        | 70           | 7708         | 16.9                               | 47.3                | FFFF                 | 240                   | 87                   |
| 05822W                      | 7207N             | 2574-17383                                     | 2-20031/0067     | 00000/0000          | 08/18/76        | 70           | 8004         | 21.7                               | 207.1               | GGGG                 | 240                   | 87                   |
| 05824W                      | 3426S             | 2536-12525                                     | 00000/0000       | 2-20022/1450        | 04/06/76        | 0            | 6134         | 24.3                               | 169.6               | GGG                  | 45                    | 1                    |
| 05825W                      | 7933N             | 2605-17092                                     | 00000/0000       | 2-20028/1322        | 07/11/76        | 0            | 7471         | 18.3                               | 45.1                | GGGG                 | 20                    | 9                    |
| 05826W                      | 8014N             | 2592-17380                                     | 2-20033/0200     | 00000/0000          | 09/18/76        | 80           | 8436         | 11.4                               | 201.0               | FGFF                 | 241                   | 84                   |
| 05826W                      | 8012N             | 2610-17373                                     | 2-20033/0123     | 00000/0000          | 09/05/76        | 40           | 8255         | 15.3                               | 207.5               | GGG                  | 40                    | 2                    |
| 05827W                      | 3838S             | 2643-12451                                     | 2-20034/1212     | 00000/0000          | 09/23/76        | 90           | 8506         | 8.4                                | 208.3               | GGG                  | 45                    | 1                    |
| 05827W                      | 3843S             | 2661-12443                                     | 00000/0000       | 2-20035/0080        | 10/26/76        | 70           | 8963         | 43.9                               | 67.5                | GFF                  | 45                    | 1                    |
| 05828W                      | 4601N             | 2479-13571                                     | 00000/0000       | 2-20036/0928        | 11/13/76        | 10           | 9214         | 47.2                               | 73.7                | GGGG                 | 240                   | 87                   |
| 05828W                      | 3851S             | 2697-12430                                     | 00000/0000       | 2-20025/0419        | 05/15/76        | 100          | 6677         | 54.4                               | 129.9               | FGGG                 | 240                   | 87                   |
| 05829W                      | 2431S             | 2430-13042                                     | 00000/0000       | 2-20037/1040        | 12/19/76        | 100          | 9716         | 47.5                               | 82.9                | GGGG                 | 5                     | 28                   |
| 05829W                      | 3423S             | 2644-12494                                     | 00000/0000       | 2-20022/0690        | 03/27/76        | 10           | 5993         | 39.6                               | 63.5                | GGGG                 | 240                   | 87                   |
| 05829W                      | 3840S             | 2373-12525                                     | 00000/0000       | 2-20035/0028        | 10/27/76        | 80           | 8977         | 46.4                               | 71.0                | GGGG                 | 243                   | 77                   |
| 05829W                      | 3848S             | 2679-12435                                     | 00000/0000       | 2-20020/0635        | 01/30/76        | 70           | 5198         | 43.1                               | 77.7                | FFFF                 | 241                   | 84                   |
| 05830W                      | 4605N             | 2713-13493                                     | 00000/0000       | 2-20036/0705        | 12/01/76        | 10           | 9465         | 48.4                               | 79.3                | FFFF                 | 240                   | 87                   |
| 05830W                      | 3423S             | 2626-12502                                     | 00000/0000       | 2-20038/0768        | 01/04/77        | 80           | 9940         | 15.2                               | 149.3               | GGGF                 | 240                   | 87                   |
| 05830W                      | 3847S             | 2391-12523                                     | 00000/0000       | 2-20034/0582        | 10/09/76        | 60           | 8726         | 41.8                               | 64.5                | FGGG                 | 5                     | 28                   |
| 05831W                      | 5724N             | 2465-14170                                     | 00000/0000       | 2-20021/0230        | 02/17/76        | 40           | 5449         | 39.3                               | 72.0                | GGGG                 | 241                   | 84                   |
| 05831W                      | 3426S             | 2662-12490                                     | 00000/0000       | 2-20024/0940        | 05/01/76        | 90           | 6482         | 44.3                               | 147.6               | GGGF                 | 240                   | 87                   |
| 05832W                      | 4603N             | 2695-13502                                     | 00000/0000       | 2-20036/0600        | 11/14/76        | 10           | 9228         | 49.2                               | 77.8                | FGGG                 | 9                     | 20                   |
| 05832W                      | 2430S             | 2412-13050                                     | 00000/0000       | 2-20037/1003        | 12/17/76        | 100          | 9689         | 15.4                               | 151.6               | GGGG                 | 241                   | 84                   |
| 05833W                      | 4603N             | 2731-13495                                     | 00000/0000       | 2-20021/1388        | 03/09/76        | 0            | 5742         | 42.4                               | 72.3                | GGGG                 | 5                     | 28                   |
| 05835W                      | 8043N             | 2580-18122                                     | 00000/0000       | 2-20038/1555        | 01/22/77        | 70           | 191          | 17.4                               | 146.3               | PPPP                 | 243                   | 77                   |
| 05835W                      | 7158N             | 2494-15145                                     | 2-20033/0054     | 00000/0000          | 08/24/76        | 100          | 8088         | 18.5                               | 215.7               | GGGG                 | 5                     | 28                   |
| 05835W                      | 4558N             | 2677-13510                                     | 00000/0000       | 2-20026/0477        | 05/30/76        | 0            | 6887         | 39.6                               | 169.1               | GGG                  | 39                    | 247                  |
| 05837W                      | 4555N             | 2659-13515                                     | 00000/0000       | 2-20037/0418        | 11/29/76        | 100          | 9438         | 17.9                               | 152.8               | GGGG                 | 20                    | 9                    |
| 05838W                      | 4551N             | 2641-13523                                     | 00000/0000       | 2-20036/0384        | 11/11/76        | 30           | 9187         | 22.1                               | 152.5               | GGGG                 | 5                     | 28                   |
| 05841W                      | 8035N             | 2524-18023                                     | 00000/0000       | 2-20034/1176        | 10/24/76        | 50           | 8936         | 27.5                               | 150.5               | FGGG                 | 5                     | 28                   |
| 05841W                      | 8005N             | 2537-17335                                     | 2-20029/0242     | 00000/0000          | 06/29/76        | 80           | 7307         | 31.2                               | 213.8               | GGGG                 | 5                     | 28                   |
|                             |                   |                                                | 2-20029/0296     | 00000/0000          | 07/12/76        | 100          | 7488         | 30.9                               | 205.7               | GGG                  | 33                    | 248                  |
|                             |                   |                                                |                  |                     |                 |              |              |                                    |                     | PPP                  | 45                    | 1                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 05841N                      | 4147N | 2568-13501 | 00000/0000        | 2-20032/0027                            | 08/12/76         | 70                  | 7918            | 51.2         | 124.4        |                       |                     |                      |                       |                      |
| 05841W                      | 3008S | 2393-1301P | 00000/0000        | 2-20021/0197                            | 02/19/76         | 0                   | 5477            | 42.9         | 77.0         | GGGG                  |                     |                      | 4                     | 31                   |
| 05842W                      | 3008S | 2375-1301S | 00000/0000        | 2-20020/0750                            | 02/01/76         | 20                  | 5226            | 45.8         | 84.0         | GFFG                  |                     |                      | 242                   | 81                   |
| 05843W                      | 4855N | 2714-1354P | 00000/0000        | 2-20038/0602                            | 01/05/77         | 90                  | 9954            | 13.2         | 150.3        | GGGG                  |                     |                      | 242                   | 81                   |
| 05843W                      | 4849N | 2480-14020 | 00000/0000        | 2-20025/0653                            | 05/16/76         | 50                  | 6691            | 53.2         | 133.9        | GGGG                  |                     |                      | 6                     | 26                   |
| 05843W                      | 4148N | 2712-13451 | 00000/0000        | 2-20038/0662                            | 01/03/77         | 90                  | 9926            | 18.3         | 147.6        | GGGG                  |                     |                      | 6                     | 26                   |
| 05843W                      | 4145N | 2694-13455 | 00000/0000        | 2-20037/0995                            | 12/16/76         | 100                 | 9675            | 18.8         | 149.9        | GGGG                  |                     |                      | 4                     | 31                   |
| 05844W                      | 3300N | 2404-13455 | 2-20027/0600      | 00000/0000                              | 03/01/76         | 70                  | 5631            | 37.5         | 133.8        | GGGG                  |                     |                      | 4                     | 31                   |
| 05845W                      | 6819N | 2454-14541 | 00000/0000        | 2-20023/0522                            | 04/20/76         | 30                  | 6329            | 32.6         | 162.9        | FFF                   |                     |                      | 2                     | 37                   |
| 05846W                      | 4853N | 2696-13551 | 00000/0000        | 2-20037/0947                            | 12/18/76         | 80                  | 9703            | 13.2         | 152.7        | GGGG                  |                     |                      | 16                    | 12                   |
| 05846W                      | 4147N | 2730-13443 | 00000/0000        | 2-20038/1563                            | 01/21/77         | 60                  | 177             | 20.2         | 144.5        | GGGG                  |                     |                      | 6                     | 26                   |
| 05846W                      | 4139N | 2676-13464 | 00000/0000        | 2-20036/1455                            | 11/28/76         | 60                  | 9424            | 21.4         | 150.9        | GGGG                  |                     |                      | 4                     | 31                   |
| 05847W                      | 7933N | 2587-17095 | 2-20033/0164      | 00000/0000                              | 08/31/76         | 90                  | 8185            | 18.3         | 199.7        | GGF                   |                     |                      | 4                     | 31                   |
| 05848W                      | 8006N | 2519-1734P | 2-20029/0207      | 00000/0000                              | 06/24/76         | 80                  | 7237            | 32.4         | 206.7        | PPP                   |                     |                      | 40                    | 2                    |
| 05848W                      | 5436N | 2446-14124 | 00000/0000        | 2-20022/1787                            | 04/12/76         | 40                  | 6217            | 39.9         | 146.1        | GGGG                  |                     |                      | 45                    | 1                    |
| 05848W                      | 5433N | 2464-14121 | 00000/0000        | 2-20024/0189                            | 04/30/76         | 90                  | 6468            | 45.9         | 144.2        | GFGG                  |                     |                      | 8                     | 22                   |
| 05849W                      | 4137N | 2640-13480 | 00000/0000        | 2-20034/1034                            | 10/23/76         | 80                  | 8922            | 31.0         | 147.8        | GGGG                  |                     |                      | 8                     | 22                   |
| 05850W                      | 4848N | 2678-13555 | 00000/0000        | 2-20036/1677                            | 11/30/76         | 70                  | 9452            | 15.5         | 154.1        | GGGF                  |                     |                      | 4                     | 31                   |
| 05850W                      | 4137N | 2658-1347P | 00000/0000        | 2-20036/0277                            | 11/10/76         | 40                  | 9173            | 25.7         | 150.3        | GGGG                  |                     |                      | 6                     | 26                   |
| 05851W                      | 5434N | 2590-14085 | 00000/0000        | 2-20032/0590                            | 09/03/76         | 20                  | 8225            | 38.3         | 145.9        | GGGG                  |                     |                      | 4                     | 31                   |
| 05851W                      | 4841N | 2642-1357P | 00000/0000        | 2-20034/1163                            | 10/25/76         | 70                  | 8950            | 25.0         | 152.4        | FGGG                  |                     |                      | 8                     | 22                   |
| 05851W                      | 2558S | 2430-13045 | 00000/0000        | 2-20022/0691                            | 03/27/76         | 20                  | 5993            | 38.7         | 62.7         | GGFG                  |                     |                      | 6                     | 26                   |
| 05851W                      | 3553S | 2536-1253P | 00000/0000        | 2-20028/1323                            | 07/11/76         | 20                  | 7471            | 17.1         | 45.0         | PPPP                  |                     |                      | 243                   | 78                   |
| 05851W                      | 3557S | 2572-1252P | 00000/0000        | 2-20030/1362                            | 08/16/76         | 70                  | 7973            | 23.6         | 50.7         | GFGG                  |                     |                      | 241                   | 85                   |
| 05851W                      | 3558S | 2428-1256P | 00000/0000        | 2-20022/0613                            | 03/25/76         | 20                  | 5965            | 32.6         | 59.0         | FFFF                  |                     |                      | 241                   | 85                   |
| 05852W                      | 5432N | 2572-1409P | 00000/0000        | 2-20030/1410                            | 08/16/76         | 10                  | 7974            | 43.8         | 141.7        | FGGG                  |                     |                      | 8                     | 22                   |
| 05852W                      | 5425N | 2482-14114 | 00000/0000        | 2-20025/0866                            | 05/18/76         | 90                  | 6719            | 50.4         | 141.6        | FGGG                  |                     |                      | 8                     | 22                   |
| 05852W                      | 5144N | 2715-1359P | 00000/0000        | 2-20038/0909                            | 01/06/77         | 10                  | 9968            | 11.1         | 151.5        | GGGG                  |                     |                      | 7                     | 24                   |
| 05852W                      | 4842N | 2660-13564 | 00000/0000        | 2-20036/0394                            | 11/12/76         | 90                  | 9201            | 19.6         | 154.0        | GGGG                  |                     |                      | 6                     | 26                   |
| 05853W                      | 5428N | 2428-1413P | 00000/0000        | 2-20022/0492                            | 03/25/76         | 70                  | 5966            | 33.1         | 147.3        | FGGG                  |                     |                      | 8                     | 22                   |
| 05853W                      | 5427N | 2554-1409S | 00000/0000        | 2-20030/166                             | 07/29/76         | 90                  | 7723            | 48.3         | 138.2        | GGGG                  |                     |                      | 8                     | 22                   |
| 05853W                      | 5142N | 2697-14000 | 00000/0000        | 2-20037/1097                            | 12/19/76         | 60                  | 9717            | 10.9         | 153.9        | GGGG                  |                     |                      | 7                     | 24                   |
| 05854W                      | 6701N | 2453-1448S | 00000/0000        | 2-20023/0509                            | 04/19/76         | 30                  | 6315            | 33.3         | 160.8        | GGGG                  |                     |                      | 15                    | 13                   |
| 05854W                      | 5420N | 2500-1411P | 00000/0000        | 2-20026/1208                            | 06/05/76         | 30                  | 6970            | 52.9         | 138.6        | GGGG                  |                     |                      | 8                     | 22                   |
| 05854W                      | 5144N | 2559-1403S | 2-20033/0214      | 2-20032/0558                            | 09/02/76         | 100                 | 8211            | 40.5         | 142.7        | FFG                   | FGGG                |                      | 7                     | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05854W                                  | 5137N             | 2481-14065                                         | 00000/0000       | 2-20025/0568        | 05/17/76        | 10           | 6705         | 51.8                               | 137.8               |                      |                       |                      |
| 05855W                                  | 5427N             | 2608-14082                                         | 00000/0000       | 2-20032/1413        | 09/21/76        | 100          | 8476         | 32.3                               | 150.0               | GGGG                 | 7                     | 24                   |
| 05855W                                  | 5425N             | 2680-14054                                         | 00000/0000       | 2-20036/1749        | 12/02/76        | 20           | 9480         | 10.6                               | 156.7               | GGGG                 | 8                     | 22                   |
| 05855W                                  | 2556S             | 2412-13052                                         | 00000/0000       | 2-20021/1389        | 03/09/76        | 50           | 5742         | 41.7                               | 71.3                | FGGG                 | 8                     | 22                   |
| 05855W                                  | 3549S             | 2644-12500                                         | 00000/0000       | 2-20035/0029        | 10/27/76        | 60           | 8977         | 45.7                               | 69.9                | PPPP                 | 243                   | 78                   |
| 05856W                                  | 3557S             | 2410-12565                                         | 00000/0000       | 2-20021/1119        | 03/07/76        | 10           | 5714         | 36.7                               | 66.2                | PGGG                 | 241                   | 85                   |
| 05857W                                  | 5421N             | 2536-14102                                         | 00000/0000       | 2-20028/0958        | 07/11/76        | 90           | 7472         | 51.6                               | 136.3               | FFFF                 | 241                   | 85                   |
| 05857W                                  | 5418N             | 2392-14142                                         | 00000/0000       | 2-20021/0162        | 02/18/76        | 10           | 5464         | 19.5                               | 150.0               | GGGG                 | 8                     | 22                   |
| 05857W                                  | 5129N             | 2409-14090                                         | 00000/0000       | 2-20021/1209        | 03/06/76        | 40           | 5701         | 27.7                               | 146.4               | GGGG                 | 8                     | 22                   |
| 05857W                                  | 3548S             | 2626-12504                                         | 00000/0000       | 2-20034/0583        | 10/09/76        | 80           | 8726         | 40.9                               | 63.7                | GGGG                 | 7                     | 24                   |
| 05857W                                  | 3551S             | 2662-12492                                         | 00000/0000       | 2-20036/0601        | 11/14/76        | 40           | 9228         | 48.6                               | 76.5                | GGGG                 | 241                   | 85                   |
| 05858W                                  | 8037N             | 2525-18081                                         | 2-20029/0250     | 00000/0000          | 06/30/76        | 80           | 7321         | 31.0                               | 214.9               |                      | 241                   | 85                   |
| 05858W                                  | 5418N             | 2410-14135                                         | 00000/0000       | 2-20021/1273        | 03/07/76        | 80           | 5715         | 26.1                               | 148.5               | G                    | 33                    | 248                  |
| 05858W                                  | 5418N             | 2644-14070                                         | 00000/0000       | 2-20035/0265        | 10/27/76        | 100          | 8978         | 19.9                               | 156.0               | GGGG                 | 8                     | 22                   |
| 05858W                                  | 5135N             | 2679-14005                                         | 00000/0000       | 2-20036/1685        | 12/01/76        | 10           | 9466         | 13.1                               | 155.3               | GGFG                 | 8                     | 22                   |
| 05859W                                  | 6540N             | 2452-14434                                         | 00000/0000       | 2-20024/0075        | 04/18/76        | 30           | 6301         | 34.0                               | 158.9               | GGGG                 | 7                     | 24                   |
| 05859W                                  | 5422N             | 2626-14074                                         | 00000/0000       | 2-20034/0739        | 10/09/76        | 60           | 8727         | 26.0                               | 153.6               | GGGG                 | 14                    | 14                   |
| 05859W                                  | 5417N             | 2518-14105                                         | 00000/0000       | 2-20027/0295        | 06/23/76        | 70           | 7221         | 53.3                               | 136.5               | GGGG                 | 8                     | 22                   |
| 05859W                                  | 2553S             | 2376-13062                                         | 00000/0000       | 2-20020/0685        | 02/02/76        | 10           | 5240         | 46.7                               | 87.6                | GGGG                 | 8                     | 22                   |
| 05859W                                  | 3559S             | 2680-12484                                         | 00000/0000       | 2-20037/0616        | 12/02/76        | 40           | 9479         | 49.4                               | 82.3                | FFFF                 | 243                   | 78                   |
| 05901W                                  | 5420N             | 2662-14062                                         | 00000/0000       | 2-20036/0643        | 11/14/76        | 90           | 9229         | 14.6                               | 157.1               | FFFF                 | 241                   | 85                   |
| 05901W                                  | 3137S             | 2537-12575                                         | 00000/0000       | 2-20028/1267        | 07/12/76        | 70           | 7485         | 20.7                               | 45.5                | GGG                  | 8                     | 22                   |
| 05902W                                  | 5131N             | 2661-14013                                         | 00000/0000       | 2-20036/0548        | 11/13/76        | 80           | 9215         | 17.1                               | 155.5               | FFFF                 | 242                   | 82                   |
| 05902W                                  | 5130N             | 2643-14021                                         | 00000/0000       | 2-20034/1185        | 10/26/76        | 80           | 8964         | 22.5                               | 154.2               | GGGG                 | 7                     | 24                   |
| 05902W                                  | 4435N             | 2479-13573                                         | 00000/0000       | 2-20025/0420        | 05/15/76        | 100          | 6677         | 55.0                               | 127.8               | GGFG                 | 7                     | 24                   |
| 05903W                                  | 8039N             | 2543-18074                                         | 2-20030/1878     | 00000/0000          | 07/18/76        | 10           | 7572         | 28.8                               | 214.1               | GGGG                 | 5                     | 29                   |
| 05903W                                  | 3131S             | 2645-12543                                         | 00000/0000       | 2-20035/0236        | 10/28/76        | 10           | 8991         | 48.0                               | 73.8                | GGG                  | 33                    | 248                  |
| 05903W                                  | 3139S             | 2591-12561                                         | 00000/0000       | 2-20032/0787        | 09/04/76        | 90           | 8238         | 32.4                               | 55.8                | FFGG                 | 242                   | 82                   |
| 05904W                                  | 4440N             | 2713-13500                                         | 00000/0000       | 2-20038/0769        | 01/04/77        | 100          | 9940         | 16.3                               | 148.6               | GGGG                 | 242                   | 82                   |
| 05904W                                  | 3138S             | 2609-12554                                         | 00000/0000       | 2-20032/1786        | 09/22/76        | 0            | 8489         | 38.2                               | 60.7                | FGGG                 | 5                     | 29                   |
| 05905W                                  | 3134S             | 2393-13015                                         | 00000/0000       | 2-20021/0198        | 02/19/76        | 10           | 5477         | 42.3                               | 75.9                | FFFF                 | 242                   | 82                   |
| 05905W                                  | 3135S             | 2627-12551                                         | 00000/0000       | 2-20034/0594        | 10/10/76        | 40           | 8740         | 43.7                               | 66.7                | PP P                 | 242                   | 82                   |
| 05905W                                  | 3136S             | 2663-12535                                         | 00000/0000       | 2-20036/1653        | 11/15/76        | 10           | 9242         | 50.3                               | 81.1                | FGGG                 | 242                   | 82                   |
| 05906W                                  | 4438N             | 2695-13504                                         | 00000/0000       | 2-20037/1004        | 12/17/76        | 100          | 9689         | 16.5                               | 151.0               | FFFF                 | 242                   | 82                   |
| 05906W                                  | 4438N             | 2731-13492                                         | 00000/0000       | 2-20038/1556        | 01/22/77        | 30           | 191          | 18.4                               | 145.6               | GGGG                 | 5                     | 29                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 177

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1261

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05907A                                  | 7053N             | 2457-151J3                                         | 00000/0000       | 2-20023/0546        | 04/23/76        | 0            | 6371         | 31.4                               | 167.6               |                      |                       |                      |
| 05907W                                  | 3133S             | 2375-13021                                         | 00000/0000       | 2-20020/0751        | 02/01/76        | 0            | 5226         | 45.3                               | 82.7                | FGGF                 | 19                    | 10                   |
| 05909W                                  | 7630N             | 2521-16041                                         | 00000/0000       | 2-20028/0208        | 06/26/76        | 90           | 7264         | 36.8                               | 181.8               | FFFF                 | 242                   | 82                   |
| 05909W                                  | 4433N             | 2677-13513                                         | 00000/0000       | 2-20037/0419        | 11/29/76        | 100          | 9438         | 19.0                               | 152.2               | GGGG                 | 29                    | 5                    |
| 05909W                                  | 3134N             | 2404-13462                                         | 2-20027/0601     | 00000/0000          | 03/01/76        | 40           | 5631         | 38.3                               | 132.7               | GGGG                 | 5                     | 29                   |
| 05910W                                  | 4430N             | 2659-13521                                         | 00000/0000       | 2-20036/0385        | 11/11/76        | 40           | 9187         | 23.2                               | 151.8               | FFF                  | 2                     | 38                   |
| 05911W                                  | 4426N             | 2641-13525                                         | 00000/0000       | 2-20034/1177        | 10/24/76        | 50           | 8936         | 28.6                               | 149.7               | GGGG                 | 3                     | 29                   |
| 05913W                                  | 7929N             | 2569-17102                                         | 2-20032/1888     | 00000/0000          | 08/13/76        | 90           | 7934         | 24.5                               | 198.7               | GGGG                 | 5                     | 29                   |
| 05914W                                  | 8059N             | 2531-18420                                         | 2-20029/0255     | 00000/0000          | 07/06/76        | 70           | 7405         | 29.4                               | 223.3               | FFF                  | 41                    | 2                    |
| 05914W                                  | 2723S             | 2430-13051                                         | 00000/0000       | 2-20022/0692        | 03/27/76        | 10           | 5993         | 37.8                               | 61.9                | GGG                  | 46                    | 246                  |
| 05918W                                  | 3723S             | 2572-12524                                         | 00000/0000       | 2-20030/1363        | 08/16/76        | 10           | 7973         | 22.4                               | 50.6                | GGGG                 | 243                   | 79                   |
| 05919W                                  | 4730N             | 2714-13545                                         | 00000/0000       | 2-20038/0603        | 01/05/77        | 100          | 9954         | 14.2                               | 149.7               | PPPP                 | 241                   | 86                   |
| 05920W                                  | 4725N             | 2480-14022                                         | 00000/0000       | 2-20025/0654        | 05/16/76        | 20           | 6691         | 53.9                               | 131.8               | GGGG                 | 6                     | 27                   |
| 05922W                                  | 4728N             | 2696-13553                                         | 00000/0000       | 2-20037/0948        | 12/18/76        | 90           | 9703         | 14.3                               | 152.1               | GGGG                 | 6                     | 27                   |
| 05922W                                  | 2719S             | 2376-13064                                         | 00000/0000       | 2-20020/0686        | 02/02/76        | 10           | 5240         | 46.4                               | 86.2                | GGGG                 | 243                   | 79                   |
| 05923W                                  | 5600N             | 2465-14173                                         | 00000/0000       | 2-20024/0941        | 05/01/76        | 30           | 6482         | 45.2                               | 145.9               | GGGG                 | 9                     | 21                   |
| 05923W                                  | 3723S             | 2410-12572                                         | 00000/0000       | 2-20021/1120        | 03/07/76        | 60           | 5714         | 35.8                               | 65.5                | GGGG                 | 241                   | 86                   |
| 05924W                                  | 3717S             | 2662-12495                                         | 00000/0000       | 2-20036/0602        | 11/14/76        | 70           | 9228         | 48.0                               | 75.3                | GGGG                 | 241                   | 86                   |
| 05925W                                  | 3305S             | 2429-13011                                         | 00000/0000       | 2-20022/0473        | 03/26/76        | 50           | 5979         | 34.3                               | 59.7                | GGGG                 | 242                   | 83                   |
| 05925W                                  | 3713S             | 2626-12511                                         | 00000/0000       | 2-20034/0584        | 10/09/76        | 70           | 8726         | 40.0                               | 63.0                | FFFF                 | 241                   | 86                   |
| 05926W                                  | 3303S             | 2537-12581                                         | 00000/0000       | 2-20024/1268        | 07/12/76        | 10           | 7485         | 19.5                               | 45.3                | FFFF                 | 242                   | 83                   |
| 05927W                                  | 8015N             | 2575-17441                                         | 2-20031/0074     | 00000/0000          | 08/19/76        | 10           | 8018         | 21.3                               | 207.3               | GGG                  | 46                    | 1                    |
| 05927W                                  | 4723N             | 2678-13562                                         | 00000/0000       | 2-20036/1678        | 11/30/76        | 40           | 9452         | 16.6                               | 153.4               | GGGG                 | 6                     | 27                   |
| 05927W                                  | 4717N             | 2642-13575                                         | 00000/0000       | 2-20034/1164        | 10/25/76        | 70           | 8950         | 26.1                               | 151.5               | GGGG                 | 6                     | 27                   |
| 05927W                                  | 3724S             | 2680-12490                                         | 00000/0000       | 2-20037/0587        | 12/02/76        | 10           | 9479         | 48.9                               | 80.9                | PPP                  | 241                   | 86                   |
| 05928W                                  | 3305S             | 2591-12564                                         | 00000/0000       | 2-20032/0788        | 09/04/76        | 70           | 8238         | 31.4                               | 55.3                | GGGG                 | 242                   | 83                   |
| 05929W                                  | 4718N             | 2660-13570                                         | 00000/0000       | 2-20036/0395        | 11/12/76        | 80           | 9201         | 20.7                               | 153.3               | GGGG                 | 6                     | 27                   |
| 05929W                                  | 3303S             | 2609-12561                                         | 00000/0000       | 2-20032/1737        | 03/22/76        | 0            | 8489         | 37.3                               | 60.0                | GGGG                 | 242                   | 83                   |
| 05929W                                  | 6921S             | 2414-11462                                         | 00000/0000       | 2-20021/1481        | 03/11/76        | 10           | 5769         | 11.8                               | 68.0                | GGGG                 | 227                   | 109                  |
| 05930W                                  | 3300S             | 2333-13021                                         | 00000/0000       | 2-20021/0199        | 02/13/76        | 90           | 5477         | 41.6                               | 74.9                | GGGG                 | 242                   | 83                   |
| 05931W                                  | 2303S             | 2431-13094                                         | 00000/0000       | 2-20022/0891        | 03/28/76        | 0            | 6007         | 40.3                               | 63.9                | FFFF                 | 244                   | 76                   |
| 05931W                                  | 3302S             | 2663-12541                                         | 00000/0000       | 2-20034/1654        | 11/15/76        | 40           | 9242         | 49.8                               | 79.6                | FFFF                 | 242                   | 83                   |
| 05931W                                  | 3305S             | 2681-12533                                         | 00000/0000       | 2-20036/1877        | 12/03/76        | 0            | 9493         | 50.2                               | 85.5                | GGGG                 | 242                   | 83                   |
| 05933W                                  | 5020N             | 2715-13594                                         | 00000/0000       | 2-20038/0910        | 01/06/77        | 20           | 9968         | 12.2                               | 150.8               | GGGG                 | 7                     | 25                   |
| 05934W                                  | 5015N             | 2589-14042                                         | 2-20033/0215     | 2-20032/0559        | 09/02/76        | 90           | 8211         | 41.4                               | 141.3               | GFG FGGG             | 7                     | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 \* % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV<br>MSS                              |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 05934N                      | 5018N             | 2697-14003                              | 00000/0000       | 2-20037/1098        | 12/19/76        | 60           | 9717         | 12.0                  | 153.2               | GGGG                 |                       |                      |
| 05934N                      | 5013N             | 2481-14072                              | 00000/0000       | 2-20025/0569        | 05/17/76        | 10           | 6705         | 52.6                  | 135.7               | FGGG                 | 7                     | 25                   |
| 05934N                      | 4310N             | 2479-13580                              | 00000/0000       | 2-20025/0421        | 05/15/76        | 100          | 6677         | 55.6                  | 125.5               | GGGG                 | 7                     | 25                   |
| 05934N                      | 3008N             | 2404-13464                              | P-20027/0602     | 00000/0000          | 03/01/76        | 40           | 5631         | 39.1                  | 131.5               | GGGG                 | 5                     | 30                   |
| 05935N                      | 8013N             | 2593-17434                              | P-20033/0128     | 00000/0000          | 09/06/76        | 100          | 8269         | 14.9                  | 207.7               | FFF                  | 2                     | 39                   |
| 05935N                      | 2841S             | 2502-13034                              | 00000/0000       | 2-20026/0933        | 06/07/76        | 40           | 6997         | 23.7                  | 43.7                | GGG                  | 46                    | 1                    |
| 05936N                      | 5541N             | 2411-14191                              | 00000/0000       | 2-20021/1336        | 03/08/76        | 100          | 5729         | 25.5                  | 149.5               | FFFF                 | 243                   | 80                   |
| 05936N                      | 5309N             | 2716-14043                              | 00000/0000       | 2-20038/1094        | 01/07/77        | 10           | 9982         | 10.1                  | 152.0               | GGGG                 | 9                     | 21                   |
| 05936N                      | 5301N             | 2442-14121                              | 00000/0000       | 2-20025/0867        | 05/18/76        | 40           | 6719         | 51.2                  | 139.6               | FGGG                 | 8                     | 23                   |
| 05936N                      | 2306S             | 2413-13101                              | 00000/0000       | 2-20021/1435        | 03/10/76        | 10           | 5756         | 42.9                  | 72.8                | GGGG                 | 8                     | 23                   |
| 05936N                      | 2843S             | 2538-13024                              | 00000/0000       | 2-20028/1369        | 07/13/76        | 90           | 7499         | 23.2                  | 46.0                | GGGG                 | 244                   | 76                   |
| 05937N                      | 4314N             | 2713-13502                              | 00000/0000       | 2-20038/0770        | 01/04/77        | 90           | 9940         | 17.3                  | 148.0               | GGGG                 | 243                   | 80                   |
| 05937N                      | 2841S             | 2520-13031                              | 00000/0000       | 2-20028/0046        | 06/25/76        | 100          | 7248         | 22.6                  | 44.1                | FGGG                 | 5                     | 30                   |
| 05938N                      | 7208N             | 2459-15213                              | 00000/0000       | 2-20024/0584        | 04/25/76        | 0            | 6399         | 31.0                  | 170.3               | GGGG                 | 243                   | 80                   |
| 05938N                      | 5011N             | 2679-14011                              | 00000/0000       | 2-20036/1686        | 12/01/76        | 10           | 9466         | 14.2                  | 154.7               | GGGG                 | 21                    | 9                    |
| 05938N                      | 5005N             | 2409-14092                              | 00000/0000       | 2-20021/1210        | 03/06/76        | 80           | 5701         | 28.7                  | 145.4               | GGGG                 | 7                     | 25                   |
| 05938N                      | 4313N             | 2695-13511                              | 00000/0000       | 2-20037/1005        | 12/17/76        | 100          | 9689         | 17.6                  | 150.4               | GGGG                 | 7                     | 25                   |
| 05938N                      | 2849S             | 2430-13054                              | 00000/0000       | 2-20022/0693        | 03/27/76        | 10           | 5993         | 36.9                  | 61.2                | GGGG                 | 5                     | 30                   |
| 05939N                      | 4312N             | 2731-13494                              | 00000/0000       | 2-20038/1557        | 01/22/77        | 80           | 191          | 19.4                  | 145.0               | FFFF                 | 243                   | 80                   |
| 05939N                      | 2841S             | 2610-13003                              | 00000/0000       | 2-20032/1833        | 09/23/76        | 70           | 8503         | 40.4                  | 62.6                | GGGG                 | 5                     | 30                   |
| 05939N                      | 2845S             | 2592-13011                              | 00000/0000       | 2-20032/0817        | 09/05/76        | 10           | 8252         | 34.8                  | 57.1                | FFFF                 | 243                   | 80                   |
| 05940N                      | 5301N             | 2680-14060                              | 00000/0000       | 2-20036/1750        | 12/02/76        | 20           | 9480         | 11.7                  | 156.0               | GGGG                 | 243                   | 80                   |
| 05941N                      | 4308N             | 2677-13515                              | 00000/0000       | 2-20037/0420        | 11/29/76        | 100          | 9438         | 20.1                  | 151.6               | GGGG                 | 8                     | 23                   |
| 05941N                      | 2303S             | 2377-13111                              | 00000/0000       | 2-20020/0841        | 02/03/76        | 100          | 5254         | 47.1                  | 90.0                | GGGG                 | 5                     | 30                   |
| 05942N                      | 8042N             | 2562-18125                              | P-20031/0061     | 00000/0000          | 08/06/76        | 30           | 7837         | 24.4                  | 214.3               | FFFF                 | 244                   | 76                   |
| 05942N                      | 5254N             | 2410-14142                              | 00000/0000       | 2-20021/1274        | 03/07/76        | 20           | 5715         | 27.1                  | 147.4               | GGG                  | 34                    | 248                  |
| 05942N                      | 5007N             | 2661-14020                              | 00000/0000       | 2-20036/0549        | 11/13/76        | 30           | 9215         | 18.2                  | 154.8               | GGGG                 | 8                     | 23                   |
| 05942N                      | 5006N             | 2643-14024                              | 00000/0000       | 2-20034/1186        | 10/26/76        | 100          | 8964         | 23.6                  | 153.3               | GGGG                 | 7                     | 25                   |
| 05942N                      | 2840S             | 2646-12592                              | 00000/0000       | 2-20035/0184        | 10/29/76        | 60           | 9005         | 49.4                  | 76.9                | GGGG                 | 7                     | 25                   |
| 05942N                      | 2841S             | 2628-13000                              | 00000/0000       | 2-20034/0591        | 10/11/76        | 40           | 8754         | 45.5                  | 69.2                | FFFF                 | 243                   | 80                   |
| 05943N                      | 5254N             | 2644-14073                              | 00000/0000       | 2-20035/0266        | 10/27/76        | 100          | 8978         | 21.1                  | 155.1               | FFFF                 | 243                   | 80                   |
| 05943N                      | 4305N             | 2659-13524                              | 00000/0000       | 2-20034/0386        | 11/11/76        | 40           | 9187         | 24.3                  | 151.1               | FGFG                 | 8                     | 23                   |
| 05943N                      | 4302N             | 2641-13532                              | 00000/0000       | 2-20034/1178        | 10/24/76        | 60           | 8936         | 29.6                  | 148.8               | GGGG                 | 5                     | 30                   |
| 05944N                      | 5257N             | 2662-14065                              | 00000/0000       | 2-20036/0644        | 11/14/76        | 40           | 9229         | 15.7                  | 156.3               | GGGG                 | 5                     | 30                   |
| 05946N                      | 2844S             | 2376-13071                              | 00000/0000       | 2-20020/0687        | 02/02/76        | 0            | 5240         | 46.0                  | 84.9                | GGG                  | 8                     | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 05947N 3844S                            | 2536-12541        | 00000/0000 2-20028/1324                            | 07/11/76         | 90                  | 7471            | 14.6         | 45.0         | GGGG                               |                     |                      | 241                   | 87                   |
| 05947N 3849S                            | 2428-12571        | 00000/0000 2-20027/0614                            | 03/25/76         | 80                  | 5965            | 30.6         | 58.1         | GGGG                               |                     |                      | 241                   | 87                   |
| 05951N 3430S                            | 2573-12573        | 00000/0000 2-20030/1657                            | 08/17/76         | 90                  | 7987            | 25.0         | 51.1         | GGGG                               |                     |                      | 242                   | 84                   |
| 05951N 3433S                            | 2555-12581        | 00000/0000 2-20030/0472                            | 07/30/76         | 90                  | 7736            | 20.8         | 47.8         | GGGG                               |                     |                      | 242                   | 84                   |
| 05951N 3838S                            | 2644-12505        | 00000/0000 2-20035/0030                            | 10/27/76         | 90                  | 8977            | 44.1         | 67.9         | GGGG                               |                     |                      | 241                   | 87                   |
| 05952W 8045N                            | 2581-18180        | 2-20033/0063 00000/0000                            | 08/25/76         | 10                  | 8102            | 18.1         | 215.9        | GG                                 |                     |                      | 40                    | 247                  |
| 05952W 7924N                            | 2551-17110        | 2-20030/1895 00000/0000                            | 07/26/76         | 40                  | 7683            | 29.5         | 198.0        | G                                  |                     |                      | 41                    | 2                    |
| 05952W 3430S                            | 2429-13013        | 00000/0000 2-20027/0474                            | 03/26/76         | 20                  | 5979            | 33.3         | 59.1         | FGFG                               |                     |                      | 242                   | 84                   |
| 05952W 3842S                            | 2662-12501        | 00000/0000 2-20036/0603                            | 11/14/76         | 40                  | 9228            | 47.3         | 74.1         | GGGG                               |                     |                      | 241                   | 87                   |
| 05953W 8008N                            | 2556-17390        | 2-20031/0022 00000/0000                            | 07/31/76         | 70                  | 7753            | 27.1         | 205.5        | GG                                 |                     |                      | 46                    | 1                    |
| 05953W 3431S                            | 2591-12570        | 00000/0000 2-20032/0789                            | 09/04/76         | 10                  | 8238            | 30.4         | 54.9         | GGGG                               |                     |                      | 242                   | 84                   |
| 05953W 3838S                            | 2626-12513        | 00000/0000 2-20034/0585                            | 10/09/76         | 60                  | 8726            | 39.1         | 62.2         | GGGG                               |                     |                      | 241                   | 87                   |
| 05954W 2430S                            | 2431-13100        | 00000/0000 2-20027/0892                            | 03/28/76         | 0                   | 6007            | 39.4         | 63.1         | FFFF                               |                     |                      | 244                   | 77                   |
| 05955W 4605N                            | 2714-13551        | 00000/0000 2-20038/0604                            | 01/05/77         | 100                 | 9954            | 15.3         | 149.1        | GGGG                               |                     |                      | 6                     | 28                   |
| 05955W 4600N                            | 2480-14025        | 00000/0000 2-20025/0655                            | 05/16/76         | 10                  | 6691            | 54.6         | 129.7        | GGGG                               |                     |                      | 6                     | 28                   |
| 05955W 3422S                            | 2645-12552        | 00000/0000 2-20035/0237                            | 10/28/76         | 60                  | 8991            | 46.6         | 71.4         | GGGG                               |                     |                      | 242                   | 84                   |
| 05955W 3429S                            | 2603-12563        | 00000/0000 2-20032/1788                            | 09/22/76         | 0                   | 8489            | 36.3         | 59.4         | FFFF                               |                     |                      | 242                   | 84                   |
| 05955W 3850S                            | 2680-12493        | 00000/0000 2-20037/0588                            | 12/02/76         | 10                  | 9479            | 48.3         | 79.6         | GGGG                               |                     |                      | 241                   | 87                   |
| 05956W 7932N                            | 2480-17183        | 00000/0000 2-20025/0534                            | 05/16/76         | 30                  | 6693            | 29.0         | 202.6        | GGGG                               |                     |                      | 41                    | 2                    |
| 05956W 3427S                            | 2663-12544        | 00000/0000 2-20036/1655                            | 11/15/76         | 70                  | 9242            | 49.3         | 78.2         | GGGG                               |                     |                      | 242                   | 84                   |
| 05957W 1135N                            | 2581-13295        | 2-20033/0058 00000/0000                            | 08/25/76         | 40                  | 8099            | 52.8         | 87.7         | FGG                                |                     |                      | 250                   | 52                   |
| 05957W 3425S                            | 2393-13024        | 00000/0000 2-20021/1200                            | 02/19/76         | 90                  | 5477            | 41.0         | 73.9         | FGGG                               |                     |                      | 242                   | 84                   |
| 05957W 3431S                            | 2681-12535        | 00000/0000 2-20036/1848                            | 12/03/76         | 0                   | 9493            | 49.8         | 84.0         | P                                  |                     |                      | 242                   | 84                   |
| 05958W 4603N                            | 2696-13560        | 00000/0000 2-20037/0949                            | 12/18/76         | 90                  | 9703            | 15.4         | 151.5        | GGGG                               |                     |                      | 6                     | 28                   |
| 05958W 2842N                            | 2404-13471        | 2-20027/0603 00000/0000                            | 03/01/76         | 60                  | 5631            | 39.8         | 130.3        | FFF                                |                     |                      | 2                     | 40                   |
| 05959W 2433S                            | 2413-13104        | 00000/0000 2-20021/1436                            | 03/10/76         | 0                   | 5756            | 42.2         | 71.8         | FFGG                               |                     |                      | 244                   | 77                   |
| 05959W 3007S                            | 2502-13040        | 00000/0000 2-20026/0934                            | 06/07/76         | 40                  | 6997            | 22.5         | 43.5         | GGGG                               |                     |                      | 243                   | 81                   |
| 06000W 1128N                            | 2599-13293        | 2-20033/0247 00000/0000                            | 09/12/76         | 30                  | 8350            | 53.0         | 98.7         | GGG                                |                     |                      | 250                   | 52                   |
| 06001W 3007S                            | 2520-13034        | 00000/0000 2-20028/1047                            | 06/25/76         | 100                 | 7248            | 21.4         | 43.9         | GGGG                               |                     |                      | 243                   | 81                   |
| 06001W 3009S                            | 2538-13030        | 00000/0000 2-20028/1370                            | 07/13/76         | 80                  | 7499            | 22.0         | 45.8         | GGGG                               |                     |                      | 243                   | 81                   |
| 06001W 3013S                            | 2556-13023        | 00000/0000 2-20030/0516                            | 07/31/76         | 50                  | 7750            | 24.4         | 48.6         | F                                  |                     |                      | 243                   | 81                   |
| 06002W 4558N                            | 2678-13564        | 00000/0000 2-20036/1679                            | 11/30/76         | 20                  | 9452            | 17.7         | 152.8        | GGGG                               |                     |                      | 6                     | 28                   |
| 06003W 4553N                            | 2660-13573        | 00000/0000 2-20036/0396                            | 11/12/76         | 80                  | 9201            | 21.8         | 152.6        | GGGG                               |                     |                      | 6                     | 28                   |
| 06003W 4552N                            | 2642-13581        | 00000/0000 2-20034/1165                            | 10/25/76         | 60                  | 8950            | 27.2         | 150.7        | GGFG                               |                     |                      | 6                     | 28                   |
| 06003W 0708S                            | 2398-13232        | 00000/0000 2-20021/0514                            | 02/24/76         | 80                  | 5547            | 47.9         | 96.5         | FGFG                               |                     |                      | 247                   | 65                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL No./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 06003W                      | 2428S | 2377-13114        | 00000/0000 2-20020/0842                 | 02/03/76         | 100                 | 5254            | 46.9         | 88.6         |                       |                     |                      |                       |                      |
| 06003W                      | 3010S | 2592-13013        | 00000/0000 2-20032/0818                 | 09/05/76         | 0                   | 8252            | 33.8         | 56.6         | FFFF                  |                     |                      | 244                   | 77                   |
| 06003W                      | 3015S | 2574-13020        | 00000/0000 2-20030/1558                 | 08/18/76         | 20                  | 8001            | 28.5         | 52.2         | FGGG                  |                     |                      | 243                   | 81                   |
| 06003W                      | 3016S | 2430-13060        | 00000/0000 2-20022/0678                 | 03/27/76         | 10                  | 5993            | 36.0         | 60.5         | FFPP                  |                     |                      | 243                   | 81                   |
| 06004W                      | 3006S | 2610-13010        | 00000/0000 2-20032/1834                 | 09/23/76         | 10                  | 8503            | 39.5         | 61.8         | FFFF                  |                     |                      | 243                   | 81                   |
| 06006W                      | 7923N | 2533-17113        | 00000/0000 2-20029/0279                 | 07/08/76         | 90                  | 7432            | 32.6         | 198.6        | GGGG                  |                     |                      | 243                   | 81                   |
| 06006W                      | 4145N | 2479-13542        | 00000/0000 2-20025/0422                 | 05/15/76         | 100                 | 6677            | 56.1         | 123.3        | GGGG                  |                     |                      | 41                    | 2                    |
| 06007W                      | 3006S | 2646-12595        | 00000/0000 2-20035/0185                 | 10/29/76         | 40                  | 9005            | 48.8         | 75.5         | GGGG                  |                     |                      | 5                     | 31                   |
| 06007W                      | 3007S | 2628-13003        | 00000/0000 2-20034/0597                 | 10/11/76         | 90                  | 8754            | 44.8         | 68.1         | GGGG                  |                     |                      | 243                   | 81                   |
| 06008W                      | 4149N | 2713-13505        | 00000/0000 2-20038/0771                 | 01/04/77         | 90                  | 9940            | 18.4         | 147.4        | FFGG                  |                     |                      | 243                   | 81                   |
| 06009W                      | 4148N | 2695-13513        | 00000/0000 2-20037/1006                 | 12/17/76         | 100                 | 9689            | 18.7         | 149.8        | GGGG                  |                     |                      | 5                     | 31                   |
| 06010W                      | 7930N | 2606-17150        | 00000/0000 2-20033/0205                 | 09/19/76         | 80                  | 8450            | 11.1         | 200.6        | GGGG                  |                     |                      | 5                     | 31                   |
| 06010W                      | 4147N | 2731-13501        | 00000/0000 2-20038/1558                 | 01/22/77         | 90                  | 191             | 20.4         | 144.3        | GGG                   |                     |                      | 41                    | 2                    |
| 06010W                      | 3010S | 2376-13073        | 00000/0000 2-20020/0688                 | 02/02/76         | 0                   | 5240            | 45.6         | 83.6         | GGGG                  |                     |                      | 5                     | 31                   |
| 06011W                      | 5436N | 2465-14175        | 00000/0000 2-20024/0942                 | 05/01/76         | 60                  | 6482            | 46.1         | 144.2        | FGGF                  |                     |                      | 243                   | 81                   |
| 06012W                      | 8040N | 2544-18132        | 00000/0000 2-20029/0267                 | 07/19/76         | 0                   | 7586            | 28.6         | 214.2        | GGGG                  |                     |                      | 9                     | 22                   |
| 06012W                      | 4855N | 2715-14001        | 00000/0000 2-20038/0911                 | 01/05/77         | 60                  | 9968            | 13.2         | 150.2        | GGG                   |                     |                      | 34                    | 248                  |
| 06012W                      | 4853N | 2697-14005        | 00000/0000 2-20037/1099                 | 12/19/76         | 90                  | 9717            | 13.1         | 152.6        | GGGG                  |                     |                      | 7                     | 26                   |
| 06012W                      | 4848N | 2481-14074        | 00000/0000 2-20025/0570                 | 05/17/76         | 10                  | 6705            | 53.4         | 133.7        | GGGG                  |                     |                      | 7                     | 26                   |
| 06012W                      | 4142N | 2677-13522        | 00000/0000 2-20037/0421                 | 11/29/76         | 100                 | 9438            | 21.2         | 150.9        | GGGG                  |                     |                      | 7                     | 26                   |
| 06013W                      | 7931N | 2588-17154        | 00000/0000 2-20033/0170                 | 09/01/76         | 10                  | 8199            | 18.0         | 159.7        | GGG                   |                     |                      | 5                     | 31                   |
| 06013W                      | 4854N | 2589-14044        | 00000/0000 2-20033/0216                 | 09/02/76         | 90                  | 8211            | 42.2         | 139.8        | GGG                   |                     |                      | 41                    | 2                    |
| 06014W                      | 4140N | 2659-13530        | 00000/0000 2-20036/0387                 | 11/11/76         | 70                  | 9187            | 25.4         | 150.4        | FFGG                  |                     |                      | 7                     | 26                   |
| 06015W                      | 7921N | 2515-17120        | 00000/0000 2-20029/0183                 | 06/20/76         | 10                  | 7181            | 33.6         | 199.3        | GGG                   |                     |                      | 5                     | 31                   |
| 06015W                      | 4136N | 2641-13534        | 00000/0000 2-20034/1179                 | 10/24/76         | 80                  | 8936            | 30.7         | 148.0        | GGGG                  |                     |                      | 41                    | 2                    |
| 06016W                      | 4846N | 2679-14014        | 00000/0000 2-20036/1687                 | 12/01/76         | 30                  | 9466            | 15.3         | 154.0        | GGGG                  |                     |                      | 5                     | 31                   |
| 06016W                      | 4840N | 2409-14095        | 00000/0000 2-20021/1211                 | 03/06/76         | 90                  | 5701            | 29.6         | 144.4        | GGGG                  |                     |                      | 7                     | 26                   |
| 06016W                      | 1010N | 2553-13305        | 00000/0000 2-20037/0714                 | 08/07/76         | 40                  | 7848            | 51.7         | 76.5         | GGGG                  |                     |                      | 7                     | 26                   |
| 06017W                      | 1008N | 2581-13302        | 00000/0000 2-20033/0059                 | 08/25/76         | 40                  | 8099            | 52.5         | 85.8         | GGG                   |                     |                      | 250                   | 53                   |
| 06017W                      | 2556S | 2431-13103        | 00000/0000 2-20022/0893                 | 03/28/76         | 0                   | 6007            | 38.5         | 62.2         | GGG                   |                     |                      | 250                   | 53                   |
| 06018W                      | 8043N | 2699-18173        | 00000/0000 2-20033/0252                 | 09/12/76         | 10                  | 8353            | 11.5         | 215.9        | FFFF                  |                     |                      | 244                   | 78                   |
| 06019W                      | 5144N | 2716-14050        | 00000/0000 2-20038/1095                 | 01/07/77         | 10                  | 9982            | 11.2         | 151.3        | GGG                   |                     |                      | 40                    | 247                  |
| 06019W                      | 5142N | 2698-14054        | 00000/0000 2-20037/1124                 | 12/20/76         | 0                   | 9731            | 10.9         | 153.7        | GGGG                  |                     |                      | 8                     | 24                   |
| 06019W                      | 5136N | 2482-14123        | 00000/0000 2-20025/0868                 | 05/13/76         | 30                  | 6719            | 52.0         | 137.6        | GGGG                  |                     |                      | 8                     | 24                   |
| 06019W                      | 4843N | 2661-14022        | 00000/0000 2-20036/0550                 | 11/13/76         | 60                  | 9215            | 19.4         | 154.1        | GGGG                  |                     |                      | 7                     | 26                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE | LAT   | LONG | OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN RLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------|-------------------|-----------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 06020W                      | 4842N |      | 2643-14030        | 00000/0000 2-20034/1187                       | 10/26/76         | 90                  | 8964            | 24.7         | 152.5        |                       |                     |                      |                       |                      |
| 06020W                      | 3556S |      | 2591-12573        | 00000/0000 2-20032/0790                       | 09/04/76         | 30                  | 8238            | 29.3         | 54.5         | GGGG                  |                     |                      | 7                     | 26                   |
| 06021W                      | 2716N |      | 2404-13473        | 2-20027/0604 00000/0000                       | 03/01/76         | 70                  | 5631            | 40.5         | 129.1        | FFFF                  |                     |                      | 242                   | 85                   |
| 06021W                      | 1001N |      | 2599-13295        | 2-20033/0248 00000/0000                       | 09/12/76         | 40                  | 8350            | 52.9         | 96.7         | GGG                   |                     |                      | 2                     | 41                   |
| 06022W                      | 2559S |      | 2413-13110        | 00000/0000 2-20021/1437                       | 03/10/76         | 10                  | 5756            | 41.5         | 70.7         | GGGG                  |                     |                      | 250                   | 53                   |
| 06022W                      | 3547S |      | 2645-12555        | 00000/0000 2-20035/0238                       | 10/28/76         | 40                  | 8991            | 45.9         | 70.2         | GGGG                  |                     |                      | 244                   | 78                   |
| 06022W                      | 3555S |      | 2609-12570        | 00000/0000 2-20037/1789                       | 09/22/76         | 0                   | 8489            | 35.3         | 58.8         | GGGG                  |                     |                      | 242                   | 85                   |
| 06023W                      | 5417N |      | 2411-14193        | 00000/0000 2-20021/1337                       | 03/08/76         | 90                  | 5729            | 26.5         | 148.4        | FFFF                  |                     |                      | 242                   | 85                   |
| 06023W                      | 5137N |      | 2680-14063        | 00000/0000 2-20036/1751                       | 12/02/76         | 40                  | 9480            | 12.9         | 155.3        | GGGG                  |                     |                      | 9                     | 22                   |
| 06023W                      | 0835S |      | 2398-13234        | 00000/0000 2-20021/0515                       | 02/24/76         | 70                  | 5547            | 47.8         | 94.9         | GGFG                  |                     |                      | 8                     | 24                   |
| 06023W                      | 3552S |      | 2663-12550        | 00000/0000 2-20036/1656                       | 11/15/76         | 90                  | 9242            | 48.7         | 76.9         | FFFF                  |                     |                      | 247                   | 66                   |
| 06023W                      | 3557S |      | 2681-12542        | 00000/0000 2-20036/1878                       | 12/03/76         | 10                  | 9493            | 49.4         | 82.6         | PF                    |                     |                      | 242                   | 85                   |
| 06024W                      | 5130N |      | 2410-14144        | 00000/0000 2-20021/1275                       | 03/07/76         | 0                   | 5715            | 28.1         | 146.4        | GGGG                  |                     |                      | 3                     | 24                   |
| 06024W                      | 3550S |      | 2393-13030        | 00000/0000 2-20021/0201                       | 02/19/76         | 100                 | 5477            | 40.3         | 73.0         | PPPP                  |                     |                      | 242                   | 85                   |
| 06025W                      | 6659N |      | 2454-14544        | 00000/0000 2-20023/0523                       | 04/20/76         | 40                  | 6329            | 33.6         | 160.8        | GGGG                  |                     |                      | 16                    | 13                   |
| 06025W                      | 6541N |      | 2453-14492        | 00000/0000 2-20023/0510                       | 04/19/76         | 10                  | 6315            | 34.3         | 158.9        | GGGG                  |                     |                      | 15                    | 14                   |
| 06025W                      | 5130N |      | 2644-14075        | 00000/0000 2-20035/0267                       | 10/27/76         | 90                  | 8978            | 22.2         | 154.3        | GGGG                  |                     |                      | 8                     | 24                   |
| 06025W                      | 3132S |      | 2502-13043        | 00000/0000 2-20026/0935                       | 06/07/76         | 90                  | 6997            | 21.2         | 43.4         | GGGG                  |                     |                      | 243                   | 82                   |
| 06025W                      | 3135S |      | 2538-13033        | 00000/0000 2-20028/1371                       | 07/13/76         | 70                  | 7499            | 20.8         | 45.6         | GGGG                  |                     |                      | 243                   | 82                   |
| 06026W                      | 5133N |      | 2662-14071        | 00000/0000 2-20036/0645                       | 11/14/76         | 60                  | 9229            | 16.9         | 155.6        | FGGG                  |                     |                      | 8                     | 24                   |
| 06026W                      | 2554S |      | 2377-13120        | 00000/0000 2-20020/0843                       | 02/03/76         | 100                 | 5254            | 46.6         | 87.2         | GGFG                  |                     |                      | 244                   | 78                   |
| 06026W                      | 3132S |      | 2520-13040        | 00000/0000 2-20028/0488                       | 06/25/76         | 100                 | 7248            | 20.2         | 43.8         | GGGG                  |                     |                      | 243                   | 82                   |
| 06026W                      | 3139S |      | 2556-13030        | 00000/0000 2-20030/0510                       | 07/31/76         | 80                  | 7750            | 23.3         | 48.4         | FFFF                  |                     |                      | 243                   | 82                   |
| 06027W                      | 8058N |      | 2532-18474        | 2-20029/0259 00000/0000                       | 07/07/76         | 20                  | 7419            | 29.3         | 223.4        | GGG                   |                     |                      | 47                    | 246                  |
| 06027W                      | 3141S |      | 2430-13063        | 00000/0000 2-20022/0679                       | 03/27/76         | 0                   | 5993            | 35.0         | 59.9         | G GG                  |                     |                      | 243                   | 82                   |
| 06027W                      | 3142S |      | 2574-13023        | 00000/0000 2-20030/1559                       | 08/18/76         | 50                  | 8001            | 27.4         | 51.9         | FFFF                  |                     |                      | 243                   | 82                   |
| 06028W                      | 4435N |      | 2480-14031        | 00000/0000 2-20025/0656                       | 05/16/76         | 30                  | 6691            | 55.2         | 127.5        | GGGG                  |                     |                      | 6                     | 29                   |
| 06028W                      | 3132S |      | 2610-13017        | 00000/0000 2-20032/1835                       | 09/23/76         | 10                  | 8503            | 38.6         | 61.0         | PPPP                  |                     |                      | 243                   | 82                   |
| 06029W                      | 4440N |      | 2714-13554        | 00000/0000 2-20038/0635                       | 01/05/77         | 100                 | 9954            | 16.3         | 148.5        | GGGG                  |                     |                      | 6                     | 29                   |
| 06030W                      | 7054N |      | 2458-15161        | 00000/0000 2-20024/0489                       | 04/24/76         | 0                   | 6385            | 31.8         | 167.6        | GGGG                  |                     |                      | 20                    | 10                   |
| 06031W                      | 4437N |      | 2696-13562        | 00000/0000 2-20037/0950                       | 12/18/76         | 90                  | 9703            | 16.4         | 150.9        | GGGG                  |                     |                      | 6                     | 29                   |
| 06031W                      | 3131S |      | 2646-13001        | 00000/0000 2-20035/0186                       | 10/29/76         | 40                  | 9005            | 48.2         | 74.2         | FFFF                  |                     |                      | 243                   | 82                   |
| 06031W                      | 3137S |      | 2664-12593        | 00000/0000 2-20036/1150                       | 11/16/76         | 90                  | 9256            | 50.4         | 81.4         | GGGG                  |                     |                      | 243                   | 82                   |
| 06032W                      | 3133S |      | 2625-13005        | 00000/0000 2-20034/0598                       | 10/11/76         | 90                  | 8754            | 44.0         | 67.1         | GGGG                  |                     |                      | 243                   | 82                   |
| 06035W                      | 4429N |      | 2660-13575        | 00000/0000 2-20036/0397                       | 11/12/76         | 50                  | 9201            | 22.9         | 151.9        | GGGG                  |                     |                      | 6                     | 29                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06035W                                  | 3136S             | 2376-13080                                         | 00000/0000       | 2-20020/7689        | 02/02/76        | 10           | 5240         | 45.2                               | 82.3                |                      |                       |                      |
| 06036W                                  | 7931N             | 2570-17160                                         | 2-20032/1894     | 00000/0000          | 08/14/76        | 20           | 7948         | 24.2                               | 198.9               |                      |                       |                      |
| 06036W                                  | 4433N             | 2678-13571                                         | 00000/0000       | 2-20036/1680        | 11/30/76        | 20           | 9452         | 18.8                               | 152.2               | FFF                  |                       | 243                  |
| 06036W                                  | 0843N             | 2563-13311                                         | 00000/0000       | 2-20030/0715        | 08/07/76        | 50           | 7848         | 51.1                               | 74.8                | GGGF                 |                       | 42                   |
| 06037W                                  | 4018N             | 2479-13585                                         | 00000/0000       | 2-20025/0423        | 05/15/76        | 90           | 6677         | 56.7                               | 120.9               | GGGG                 |                       | 6                    |
| 06038W                                  | 4427N             | 2642-13584                                         | 00000/0000       | 2-20034/1166        | 10/25/76        | 60           | 8950         | 28.2                               | 149.8               | GGGG                 |                       | 250                  |
| 06038W                                  | 0841N             | 2581-13304                                         | 2-20033/0060     | 00000/0000          | 08/25/76        | 60           | 8099         | 52.1                               | 83.9                | GGG                  |                       | 5                    |
| 06038W                                  | 0839N             | 2509-13325                                         | 00000/0000       | 2-20026/1618        | 06/14/76        | 90           | 7095         | 51.3                               | 63.3                | GGG                  |                       | 6                    |
| 06039W                                  | 3552N             | 2568-13520                                         | 2-20032/1885     | 00000/0000          | 08/12/76        | 20           | 7918         | 53.2                               | 116.0               | GGG                  | FFFF                  | 250                  |
| 06041W                                  | 7051N             | 2440-15164                                         | 00000/0000       | 2-20022/1451        | 04/06/76        | 0            | 6134         | 25.4                               | 167.0               | GGG                  |                       | 4                    |
| 06041W                                  | 0835N             | 2599-13302                                         | 2-20033/0249     | 00000/0000          | 09/12/76        | 70           | 8350         | 52.9                               | 94.7                |                      | GGGG                  | 20                   |
| 06041W                                  | 2722S             | 2431-13105                                         | 00000/0000       | 2-20022/0894        | 03/28/76        | 0            | 6007         | 37.6                               | 61.5                | G                    |                       | 250                  |
| 06045W                                  | 3720S             | 2537-12533                                         | 00000/0000       | 2-20028/1269        | 07/12/76        | 10           | 7485         | 15.9                               | 45.1                |                      | GGGG                  | 244                  |
| 06045W                                  | 3725S             | 2555-12590                                         | 00000/0000       | 2-20030/0473        | 07/30/76        | 50           | 7736         | 18.4                               | 47.6                |                      | FFFF                  | 242                  |
| 06046W                                  | 3722S             | 2573-12582                                         | 00000/0000       | 2-20030/1658        | 08/17/76        | 10           | 7987         | 22.7                               | 50.7                |                      | FGGG                  | 242                  |
| 06047W                                  | 3722S             | 2591-12575                                         | 00000/0000       | 2-20032/0791        | 09/04/76        | 10           | 8238         | 28.2                               | 54.2                |                      | FFFF                  | 242                  |
| 06047W                                  | 7141S             | 2394-11362                                         | 00000/0000       | 2-20021/0312        | 02/20/76        | 100          | 5490         | 16.7                               | 74.5                |                      | PPPP                  | 242                  |
| 06049W                                  | 4729N             | 2715-14003                                         | 00000/0000       | 2-20034/0912        | 01/06/77        | 60           | 9968         | 14.3                               | 49.6                |                      | GGGG                  | 225                  |
| 06049W                                  | 4728N             | 2589-14051                                         | 2-20033/0217     | 2-20032/0561        | 09/02/76        | 100          | 8211         | 43.1                               | 138.3               | GFG                  | GGGG                  | 7                    |
| 06049W                                  | 4727N             | 2697-14012                                         | 00000/0000       | 2-20037/1100        | 12/19/76        | 90           | 9717         | 14.2                               | 152.0               |                      | GGGG                  | 7                    |
| 06049W                                  | 4723N             | 2481-14081                                         | 00000/0000       | 2-20025/0571        | 05/17/76        | 10           | 6705         | 54.1                               | 131.6               |                      | GGGG                  | 7                    |
| 06049W                                  | 3713S             | 2645-12561                                         | 00000/0000       | 2-20035/0239        | 10/28/76        | 10           | 8991         | 45.1                               | 69.2                |                      | FGGG                  | 7                    |
| 06049W                                  | 3720S             | 2609-12572                                         | 00000/0000       | 2-20032/1790        | 09/22/76        | 0            | 8489         | 34.4                               | 58.3                |                      | FFGG                  | 242                  |
| 06050W                                  | 2720S             | 2377-13123                                         | 00000/0000       | 2-20020/0844        | 02/03/76        | 90           | 5254         | 46.2                               | 85.8                |                      | GGFG                  | 242                  |
| 06050W                                  | 3258S             | 2502-13045                                         | 00000/0000       | 2-20026/0936        | 06/07/76        | 90           | 6997         | 20.0                               | 43.3                |                      | PPPP                  | 244                  |
| 06050W                                  | 3301S             | 2538-13035                                         | 00000/0000       | 2-20024/1372        | 07/13/76        | 80           | 7499         | 19.6                               | 45.5                |                      | FFFF                  | 243                  |
| 06051W                                  | 3258S             | 2520-13043                                         | 00000/0000       | 2-20024/0049        | 06/25/76        | 90           | 7248         | 18.9                               | 43.7                |                      | FFFF                  | 243                  |
| 06051W                                  | 3305S             | 2556-13032                                         | 00000/0000       | 2-20030/0511        | 07/31/76        | 40           | 7750         | 22.1                               | 48.2                |                      | GGGG                  | 243                  |
| 06051W                                  | 3722S             | 2681-12544                                         | 00000/0000       | 2-20036/1879        | 12/03/76        | 30           | 9493         | 48.9                               | 81.2                |                      | FFF                   | 243                  |
| 06052W                                  | 4722N             | 2679-14020                                         | 00000/0000       | 2-20036/1688        | 12/01/76        | 40           | 9466         | 16.4                               | 153.4               |                      | FGGG                  | 242                  |
| 06052W                                  | 3307S             | 2574-13025                                         | 00000/0000       | 2-20030/1560        | 08/18/76        | 90           | 8001         | 26.3                               | 51.6                |                      | GGGG                  | 7                    |
| 06052W                                  | 3716S             | 2393-13033                                         | 00000/0000       | 2-20021/0202        | 02/19/76        | 90           | 5477         | 39.6                               | 72.2                |                      | PPPP                  | 243                  |
| 06053W                                  | 3306S             | 2430-13065                                         | 00000/0000       | 2-20022/0694        | 03/27/76        | 10           | 5993         | 34.1                               | 59.3                |                      | GFFG                  | 242                  |
| 06054W                                  | 3259S             | 2610-13015                                         | 00000/0000       | 2-20032/1836        | 09/23/76        | 0            | 8503         | 37.7                               | 60.3                |                      | FFFF                  | 243                  |
| 06055W                                  | 8038N             | 2526-18140                                         | 2-20033/0079     | 00000/0000          | 07/01/76        | 50           | 7335         | 31.0                               | 214.3               | GGG                  |                       | 243                  |
|                                         |                   |                                                    |                  |                     |                 |              |              |                                    |                     |                      |                       | 35                   |
|                                         |                   |                                                    |                  |                     |                 |              |              |                                    |                     |                      |                       | 248                  |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06055W 4718N                            | 2661-14025        | 00000/0000 2-20034/0551                            | 11/13/76         | 60                  | 9215            | 20.5         | 153.4        |                                    |                     |                      |                       |                      |
| 06056W 0716N                            | 2563-13314        | 00000/0000 2-20030/0716                            | 08/07/76         | 60                  | 7848            | 50.5         | 73.2         | GGGG                               |                     |                      | 7                     | 27                   |
| 06057W 8007N                            | 2611-17431        | 2-20034/1218 00000/0000                            | 09/24/76         | 90                  | 8520            | 8.1          | 207.2        | FFFF                               |                     |                      | 250                   | 55                   |
| 06057W 5312N                            | 2465-14182        | 00000/0000 2-20024/0943                            | 05/01/76         | 10                  | 6482            | 47.0         | 142.4        | F                                  | GGGG                |                      | 47                    | 1                    |
| 06057W 4717N                            | 2643-14033        | 00000/0000 2-20034/1188                            | 10/26/76         | 90                  | 8964            | 25.8         | 151.7        | GGGG                               |                     |                      | 9                     | 23                   |
| 06057W 3257S                            | 2646-13004        | 00000/0000 2-20035/0187                            | 10/29/76         | 50                  | 9005            | 47.5         | 72.9         | GGGG                               |                     |                      | 7                     | 27                   |
| 06057W 3302S                            | 2654-13000        | 00000/0000 2-20036/1151                            | 11/16/76         | 100                 | 9256            | 49.9         | 80.0         | GGGG                               |                     |                      | 243                   | 83                   |
| 06058W 0714N                            | 2509-13331        | 00000/0000 2-20026/1619                            | 06/14/76         | 90                  | 7095            | 50.4         | 61.8         | FFFF                               |                     |                      | 243                   | 83                   |
| 06058W 0714N                            | 2581-13311        | 2-20033/0061 00000/0000                            | 08/25/76         | 90                  | 8099            | 51.7         | 82.1         | GGGG                               |                     |                      | 250                   | 55                   |
| 06058W 2302S                            | 2432-13152        | 00000/0000 2-20022/0952                            | 03/29/76         | 0                   | 6021            | 40.1         | 63.5         | GGG                                |                     |                      | 250                   | 55                   |
| 06058W 3258S                            | 2628-13012        | 00000/0000 2-20034/0599                            | 10/11/76         | 70                  | 8784            | 43.2         | 66.1         | GGGG                               |                     |                      | 245                   | 76                   |
| 06059W 2302S                            | 2414-13155        | 00000/0000 2-20021/1482                            | 03/11/76         | 10                  | 5770            | 42.8         | 72.4         | FFFF                               |                     |                      | 243                   | 83                   |
| 06100W 5020N                            | 2716-14052        | 00000/0000 2-20038/1096                            | 01/07/77         | 10                  | 9982            | 12.3         | 150.7        | GGGG                               |                     |                      | 245                   | 76                   |
| 06100W 5012N                            | 2482-14137        | 00000/0000 2-20025/0869                            | 05/18/76         | 40                  | 6719            | 52.8         | 135.5        | GGGG                               |                     |                      | 8                     | 25                   |
| 06100W 4309N                            | 2480-14034        | 00000/0000 2-20025/0657                            | 05/16/76         | 50                  | 6691            | 55.8         | 125.2        | GGGG                               |                     |                      | 8                     | 25                   |
| 06100W 3307S                            | 2682-12591        | 00000/0000 2-20037/0093                            | 12/04/76         | 0                   | 9507            | 50.2         | 85.7         | GGGG                               |                     |                      | 6                     | 30                   |
| 06101W 5017N                            | 2698-14061        | 00000/0000 2-20037/1125                            | 12/20/76         | 20                  | 9731            | 12.0         | 153.1        | GGGG                               |                     |                      | 243                   | 83                   |
| 06101W 0708N                            | 2599-13304        | 2-20033/0250 00000/0000                            | 09/12/76         | 50                  | 8350            | 52.7         | 92.8         | GGGG                               |                     |                      | 8                     | 25                   |
| 06102W 4314N                            | 2714-13560        | 00000/0000 2-20038/0606                            | 01/05/77         | 100                 | 9954            | 17.4         | 147.9        | GGG                                |                     |                      | 250                   | 55                   |
| 06102W 2942S                            | 2503-13092        | 00000/0000 2-20026/0983                            | 06/08/76         | 90                  | 7011            | 23.6         | 43.7         | GGGG                               |                     |                      | 6                     | 30                   |
| 06103W 8042N                            | 2563-18183        | 2-20031/0065 00000/0000                            | 08/07/76         | 40                  | 7851            | 24.0         | 214.5        | FFFF                               |                     |                      | 244                   | 80                   |
| 06103W 5013N                            | 2680-14065        | 00000/0000 2-20036/1752                            | 12/02/76         | 40                  | 9480            | 14.0         | 154.6        | GGGG                               |                     |                      | 41                    | 247                  |
| 06103W 2845S                            | 2539-13082        | 00000/0000 2-20028/1515                            | 07/14/76         | 0                   | 7513            | 23.3         | 46.1         | GGGG                               |                     |                      | 8                     | 25                   |
| 06103W 2846S                            | 2575-13072        | 00000/0000 2-20030/1470                            | 08/19/76         | 30                  | 8015            | 29.9         | 52.9         | GGGG                               |                     |                      | 244                   | 80                   |
| 06104W 5006N                            | 2410-14151        | 00000/0000 2-20021/1276                            | 03/07/76         | 30                  | 5715            | 29.0         | 145.3        | GGGG                               |                     |                      | 244                   | 80                   |
| 06104W 4312N                            | 2696-13545        | 00000/0000 2-20037/0951                            | 12/18/76         | 90                  | 9703            | 17.5         | 150.3        | GGGG                               |                     |                      | 8                     | 25                   |
| 06104W 2849S                            | 2557-13075        | 00000/0000 2-20030/0664                            | 08/01/76         | 100                 | 7764            | 25.7         | 49.1         | GGGG                               |                     |                      | 6                     | 30                   |
| 06105W 8009N                            | 2557-17445        | 2-20031/0029 00000/0000                            | 08/01/76         | 90                  | 7767            | 26.9         | 205.7        | GGGG                               |                     |                      | 244                   | 80                   |
| 06105W 7925N                            | 2552-17164        | 2-20030/1900 00000/0000                            | 07/27/76         | 40                  | 7697            | 29.2         | 198.2        | GGG                                |                     |                      | 47                    | 1                    |
| 06105W 5006N                            | 2644-14052        | 00000/0000 2-20035/0268                            | 10/27/76         | 30                  | 8978            | 23.3         | 153.4        | G                                  |                     |                      | 42                    | 2                    |
| 06105W 2848S                            | 2431-13112        | 00000/0000 2-20022/0895                            | 03/28/76         | 0                   | 6007            | 36.7         | 60.8         | GGGG                               |                     |                      | 8                     | 25                   |
| 06106W 5008N                            | 2662-14074        | 00000/0000 2-20036/0646                            | 11/14/76         | 90                  | 9229            | 18.0         | 154.8        | FFFF                               |                     |                      | 244                   | 80                   |
| 06106W 3852N                            | 2479-13591        | 00000/0000 2-20025/0424                            | 05/15/76         | 90                  | 6677            | 57.1         | 118.6        | GGGG                               |                     |                      | 8                     | 25                   |
| 06106W 3426N                            | 2568-13522        | 2-20032/1886 00000/0000                            | 08/12/76         | 30                  | 7918            | 53.5         | 113.9        | GGGG                               |                     |                      | 5                     | 33                   |
| 06106W 2846S                            | 2593-13065        | 00000/0000 2-20032/0964                            | 09/06/76         | 40                  | 8266            | 35.1         | 57.4         | F                                  | GGGG                |                      | 4                     | 36                   |
|                                         |                   |                                                    |                  |                     |                 |              |              |                                    |                     |                      | 244                   | 80                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06107W                                  | 5253N             | 2411-14200                                         | 00000/0000       | 2-20021/1338        | 03/08/76        | 100          | 5729         | 27.5                               | 147.3               |                      |                       |                      |
| 06107W                                  | 4304N             | 2660-13582                                         | 00000/0000       | 2-20036/0398        | 11/12/76        | 90           | 9201         | 24.0                               | 151.2               | GGGG                 | 9                     | 23                   |
| 06108W                                  | 2840S             | 2647-13050                                         | 00000/0000       | 2-20035/0327        | 10/30/76        | 40           | 9019         | 49.5                               | 77.4                | GGGG                 | 6                     | 30                   |
| 06108W                                  | 2841S             | 2395-13122                                         | 00000/0000       | 2-20021/0377        | 02/21/76        | 10           | 5505         | 43.1                               | 77.2                | FFFF                 | 244                   | 80                   |
| 06109W                                  | 4308N             | 2678-13573                                         | 00000/0000       | 2-20036/1681        | 11/30/76        | 40           | 9452         | 19.9                               | 151.5               | PPPP                 | 244                   | 80                   |
| 06110W                                  | 2844S             | 2629-13054                                         | 00000/0000       | 2-20036/1681        | 11/30/76        | 40           | 9452         | 19.9                               | 151.5               | GGGF                 | 6                     | 30                   |
| 06111W                                  | 8046N             | 2582-15234                                         | 2-20033/0073     | 00000/0000          | 08/26/76        | 0            | 8116         | 17.8                               | 216.1               | P                    | 244                   | 80                   |
| 06111W                                  | 4302N             | 2642-13590                                         | 00000/0000       | 2-20034/1167        | 10/25/76        | 90           | 8950         | 29.3                               | 149.0               | GGG                  | 41                    | 247                  |
| 06113W                                  | 3845S             | 2537-12595                                         | 00000/0000       | 2-20028/1270        | 07/12/76        | 40           | 7485         | 14.7                               | 45.1                | GGGG                 | 6                     | 30                   |
| 06113W                                  | 3850S             | 2555-12592                                         | 00000/0000       | 2-20030/0474        | 07/30/76        | 80           | 7736         | 17.3                               | 47.6                | FFFF                 | 242                   | 87                   |
| 06114W                                  | 2845S             | 2377-13125                                         | 00000/0000       | 2-20020/0845        | 02/03/76        | 90           | 5254         | 45.8                               | 84.5                | GGGG                 | 242                   | 87                   |
| 06114W                                  | 3847S             | 2573-12585                                         | 00000/0000       | 2-20030/1659        | 08/17/76        | 30           | 7987         | 21.6                               | 50.5                | PPPP                 | 244                   | 80                   |
| 06115W                                  | 3848S             | 2429-13025                                         | 00000/0000       | 2-20022/0475        | 03/26/76        | 20           | 5979         | 30.4                               | 57.8                | FFFF                 | 242                   | 87                   |
| 06116W                                  | 0548N             | 2563-13320                                         | 00000/0000       | 2-20030/0717        | 08/07/76        | 40           | 7848         | 49.8                               | 71.6                | FFFF                 | 242                   | 87                   |
| 06116W                                  | 3423S             | 2502-13052                                         | 00000/0000       | 2-20026/0937        | 06/07/76        | 90           | 6997         | 18.8                               | 43.2                | GGGG                 | 250                   | 56                   |
| 06116W                                  | 3426S             | 2538-13042                                         | 00000/0000       | 2-20028/1373        | 07/13/76        | 40           | 7499         | 18.4                               | 45.3                | GGGG                 | 243                   | 84                   |
| 06116W                                  | 3431S             | 2556-13035                                         | 00000/0000       | 2-20030/0517        | 07/31/76        | 50           | 7750         | 21.0                               | 48.0                | GGGF                 | 243                   | 84                   |
| 06117W                                  | 3424S             | 2520-13045                                         | 00000/0000       | 2-20028/0050        | 06/25/76        | 70           | 7248         | 17.7                               | 43.6                | G                    | 243                   | 84                   |
| 06117W                                  | 3839S             | 2645-12564                                         | 00000/0000       | 2-20035/0240        | 10/28/76        | 10           | 8991         | 44.3                               | 68.2                | FFFF                 | 243                   | 84                   |
| 06118W                                  | 0548N             | 2509-13334                                         | 00000/0000       | 2-20026/1570        | 06/14/76        | 70           | 7095         | 49.5                               | 60.4                | FFGG                 | 242                   | 87                   |
| 06118W                                  | 0547N             | 2581-13313                                         | 2-20033/0062     | 00000/0000          | 08/25/76        | 80           | 8099         | 51.3                               | 80.3                | GGGG                 | 250                   | 56                   |
| 06118W                                  | 3432S             | 2574-13032                                         | 00000/0000       | 2-20030/1561        | 08/18/76        | 50           | 8001         | 25.2                               | 51.3                | GGG                  | 250                   | 56                   |
| 06118W                                  | 3843S             | 2663-12555                                         | 00000/0000       | 2-20036/1657        | 11/15/76        | 100          | 9242         | 47.4                               | 74.4                | PPPP                 | 243                   | 84                   |
| 06118W                                  | 3844S             | 2609-12575                                         | 00000/0000       | 2-20032/1791        | 09/22/76        | 0            | 8489         | 33.4                               | 57.8                | GGGG                 | 242                   | 87                   |
| 06119W                                  | 3432S             | 2430-13072                                         | 00000/0000       | 2-20022/0695        | 03/27/76        | 10           | 5993         | 33.1                               | 58.7                | GGGF                 | 242                   | 87                   |
| 06119W                                  | 3847S             | 2681-12551                                         | 00000/0000       | 2-20036/1849        | 12/03/76        | 20           | 9493         | 48.4                               | 79.9                | FFFF                 | 243                   | 84                   |
| 06120W                                  | 2428S             | 2432-13154                                         | 00000/0000       | 2-20022/0953        | 03/29/76        | 0            | 6021         | 39.2                               | 62.6                | FFGF                 | 242                   | 87                   |
| 06120W                                  | 3424S             | 2610-13021                                         | 00000/0000       | 2-20032/1837        | 09/23/76        | 0            | 8503         | 36.7                               | 59.7                | GGGG                 | 245                   | 77                   |
| 06120W                                  | 3842S             | 2393-13035                                         | 00000/0000       | 2-20021/0203        | 02/19/76        | 80           | 5477         | 38.9                               | 71.4                | PPPP                 | 243                   | 84                   |
| 06121W                                  | 0541N             | 2599-13311                                         | 2-20033/0251     | 00000/0000          | 09/12/76        | 40           | 8350         | 52.5                               | 90.9                | PPPP                 | 242                   | 87                   |
| 06122W                                  | 2428S             | 2414-13162                                         | 00000/0000       | 2-20021/1483        | 03/11/76        | 10           | 5770         | 42.1                               | 71.3                | GGG                  | 250                   | 56                   |
| 06122W                                  | 3426S             | 2394-13082                                         | 00000/0000       | 2-20021/0313        | 02/20/76        | 90           | 5491         | 40.8                               | 73.5                | FFFF                 | 245                   | 77                   |
| 06122W                                  | 3428S             | 2664-13002                                         | 00000/0000       | 2-20036/1152        | 11/16/76        | 100          | 9256         | 49.4                               | 78.6                | GGGG                 | 243                   | 84                   |
| 06122W                                  | 3432S             | 2412-13075                                         | 00000/0000       | 2-20021/1390        | 03/09/76        | 70           | 5742         | 37.1                               | 66.1                | GGGF                 | 243                   | 84                   |
| 06123W                                  | 1136N             | 2582-13354                                         | 2-20033/0067     | 00000/0000          | 08/26/76        | 40           | 8113         | 52.8                               | 88.3                | GGG                  | 251                   | 52                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1269

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06123W                      | 3423S             | 2646-13010                                     | 00000/0000       | 2-20035/0188        | 10/29/76        | 40           | 9005         | 46.8                               | 71.7                |                      |                       |                      |
| 06123W                      | 3424S             | 2628-13014                                     | 00000/0000       | 2-20034/0600        | 10/11/76        | 10           | 8754         | 42.3                               | 65.2                |                      |                       |                      |
| 06124W                      | 4604N             | 2715-14010                                     | 00000/0000       | 2-20038/0913        | 01/06/77        | 30           | 9968         | 15.3                               | 148.9               | GGGG                 | 243                   | 84                   |
| 06124W                      | 4603N             | 2589-14053                                     | 2-20033/0218     | 2-20032/0562        | 09/02/76        | 90           | 8211         | 43.9                               | 136.8               | GGGG                 | 7                     | 28                   |
| 06124W                      | 4558N             | 2481-14083                                     | 00000/0000       | 2-20025/0572        | 05/17/76        | 10           | 6705         | 54.7                               | 129.4               | FGG FGGG             | 7                     | 28                   |
| 06125W                      | 8013N             | 2576-17495                                     | 2-20033/0024     | 00000/0000          | 08/20/76        | 90           | 8032         | 21.0                               | 206.9               | FGG FGGG             | 7                     | 28                   |
| 06125W                      | 8005N             | 2539-17452                                     | 2-20029/0290     | 00000/0000          | 07/14/76        | 100          | 7516         | 30.6                               | 205.7               | FFF                  | 47                    | 1                    |
| 06125W                      | 4602N             | 2697-14014                                     | 00000/0000       | 2-20037/1101        | 12/19/76        | 70           | 9717         | 15.3                               | 151.4               | FFF                  | 47                    | 1                    |
| 06126W                      | 3428S             | 2376-13085                                     | 00000/0000       | 2-20027/0690        | 02/02/76        | 90           | 8240         | 44.2                               | 80.0                | GGGG                 | 7                     | 28                   |
| 06127W                      | 8012N             | 2594-17493                                     | 2-20033/0152     | 00000/0000          | 09/07/76        | 100          | 8283         | 14.6                               | 207.4               | FFFF                 | 243                   | 84                   |
| 06127W                      | 4557N             | 2679-14023                                     | 00000/0000       | 2-20036/1609        | 12/01/76        | 20           | 9466         | 17.5                               | 152.8               | GGG                  | 47                    | 1                    |
| 06127W                      | 1123N             | 2600-13351                                     | 2-20033/0256     | 00000/0000          | 09/13/76        | 30           | 8364         | 53.0                               | 99.2                | GGGG                 | 7                     | 28                   |
| 06127W                      | 3012S             | 2575-13074                                     | 00000/0000       | 2-20037/1471        | 08/19/76        | 30           | 8015         | 28.8                               | 52.5                | GGG                  | 251                   | 52                   |
| 06128W                      | 4550N             | 2409-14104                                     | 00000/0000       | 2-20021/1212        | 03/06/76        | 30           | 5701         | 31.5                               | 142.4               | FGGF                 | 244                   | 81                   |
| 06128W                      | 3015S             | 2557-13082                                     | 00000/0000       | 2-20030/0665        | 08/01/76        | 100          | 7764         | 24.6                               | 48.8                | GGGG                 | 7                     | 28                   |
| 06129W                      | 3014S             | 2431-13114                                     | 00000/0000       | 2-20022/0896        | 03/28/76        | 0            | 6007         | 35.8                               | 60.1                | GGGG                 | 244                   | 81                   |
| 06130W                      | 4553N             | 2661-14031                                     | 00000/0000       | 2-20036/0552        | 11/13/76        | 50           | 9215         | 21.6                               | 152.7               | GGGG                 | 244                   | 81                   |
| 06130W                      | 3012S             | 2593-13071                                     | 00000/0000       | 2-20032/0955        | 09/06/76        | 80           | 8266         | 34.1                               | 56.8                | FFGF                 | 7                     | 28                   |
| 06132W                      | 4552N             | 2643-14035                                     | 00000/0000       | 2-20034/1189        | 10/26/76        | 100          | 8964         | 26.9                               | 150.8               | FGGF                 | 244                   | 81                   |
| 06132W                      | 4144N             | 2480-14040                                     | 00000/0000       | 2-20025/0658        | 05/16/76        | 40           | 6691         | 56.3                               | 122.9               | GGGG                 | 7                     | 28                   |
| 06132W                      | 3300N             | 2568-13525                                     | 2-20032/1887     | 00000/0000          | 08/12/76        | 30           | 7918         | 53.8                               | 111.8               | GGG                  | 6                     | 31                   |
| 06132W                      | 3005S             | 2647-13053                                     | 00000/0000       | 2-20035/0328        | 10/30/76        | 90           | 9019         | 49.0                               | 76.0                | GGGG                 | 4                     | 37                   |
| 06132W                      | 3011S             | 2665-13045                                     | 00000/0000       | 2-20036/0898        | 11/17/76        | 90           | 9270         | 50.9                               | 83.4                | FFFF                 | 244                   | 81                   |
| 06133W                      | 7934N             | 2589-17212                                     | 2-20033/0177     | 00000/0000          | 09/02/76        | 40           | 8213         | 17.6                               | 199.9               | GGG                  | 244                   | 81                   |
| 06134W                      | 4148N             | 2714-13563                                     | 00000/0000       | 2-20038/0607        | 01/05/77        | 90           | 9954         | 18.4                               | 147.3               | GGG                  | 42                    | 2                    |
| 06134W                      | 3727N             | 2479-13594                                     | 00000/0000       | 2-20025/0425        | 05/15/76        | 30           | 6677         | 57.5                               | 116.2               | GGGG                 | 6                     | 31                   |
| 06135W                      | 4147N             | 2696-13571                                     | 00000/0000       | 2-20037/0952        | 12/18/76        | 80           | 9703         | 18.6                               | 149.7               | GGGG                 | 5                     | 34                   |
| 06138W                      | 4139N             | 2660-13544                                     | 00000/0000       | 2-20036/0399        | 11/12/76        | 80           | 9201         | 25.1                               | 150.5               | GGGG                 | 6                     | 31                   |
| 06139W                      | 4855N             | 2716-14055                                     | 00000/0000       | 2-20038/1097        | 01/07/77        | 80           | 9982         | 13.3                               | 150.0               | GGGG                 | 6                     | 31                   |
| 06139W                      | 4847N             | 2432-14132                                     | 00000/0000       | 2-20025/0870        | 05/18/76        | 90           | 6719         | 53.6                               | 133.4               | GGGG                 | 8                     | 26                   |
| 06139W                      | 4008S             | 2483-13014                                     | 00000/0000       | 2-20025/0836        | 05/19/76        | 10           | 6732         | 16.6                               | 44.3                | FFFF                 | 8                     | 26                   |
| 06140W                      | 5147N             | 2465-14184                                     | 00000/0000       | 2-20024/0944        | 05/01/76        | 30           | 6482         | 47.9                               | 140.7               | GGGG                 | 242                   | 88                   |
| 06140W                      | 4851N             | 2698-14063                                     | 00000/0000       | 2-20037/1126        | 12/20/76        | 50           | 9731         | 13.1                               | 152.5               | GGGG                 | 9                     | 24                   |
| 06140W                      | 4142N             | 2678-13580                                     | 00000/0000       | 2-20036/1682        | 11/30/76        | 60           | 9452         | 21.0                               | 150.9               | FGGG                 | 8                     | 26                   |
| 06142W                      | 4848N             | 2680-14072                                     | 00000/0000       | 2-20036/1753        | 12/02/76        | 80           | 9480         | 15.1                               | 154.0               | GGGG                 | 8                     | 26                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1270

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MSDF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | RBV                                     |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 06142N                      | 4137N             | 2642-13593                              | 00000/0000       | 2-20034/1168        | 10/25/76        | 70           | 8950         | 30.4                  | 146.2               |                      |                       |                      |
| 06142N                      | 1006N             | 2564-13363                              | 00000/0000       | 2-20030/0979        | 08/08/76        | 40           | 7862         | 51.7                  | 77.0                | GGGG                 | 6                     | 31                   |
| 06142N                      | 3552S             | 2538-13044                              | 00000/0000       | 2-20028/1374        | 07/13/76        | 50           | 7499         | 17.2                  | 45.3                | FGGG                 | 251                   | 53                   |
| 06142N                      | 4010S             | 2556-13041                              | 00000/0000       | 2-20030/0512        | 07/31/76        | 50           | 7750         | 19.8                  | 47.9                | FGGF                 | 243                   | 85                   |
| 06142N                      | 4015S             | 2555-12595                              | 00000/0000       | 2-20028/1271        | 07/12/76        | 10           | 7485         | 13.5                  | 45.2                | GGGG                 | 243                   | 85                   |
| 06143N                      | 4842N             | 2410-14159                              | 00000/0000       | 2-20030/0475        | 07/30/76        | 80           | 7736         | 16.1                  | 47.6                | GGGF                 | 242                   | 88                   |
| 06143N                      | 4842N             | 2644-14084                              | 00000/0000       | 2-20021/1277        | 03/07/76        | 30           | 5715         | 30.0                  | 144.3               | FGGG                 | 242                   | 88                   |
| 06143N                      | 1009N             | 2582-13360                              | 00000/0000       | 2-20035/0269        | 10/27/76        | 50           | 8978         | 24.4                  | 152.6               | GGGG                 | 8                     | 26                   |
| 06143N                      | 3549S             | 2520-13052                              | 00000/0000       | 2-20028/0851        | 08/26/76        | 10           | 8113         | 52.5                  | 86.4                | GGGG                 | 8                     | 26                   |
| 06143N                      | 4013S             | 2573-12591                              | 00000/0000       | 2-20030/1660        | 06/25/76        | 10           | 7248         | 16.5                  | 43.6                | G                    | 251                   | 53                   |
| 06144N                      | 7919N             | 2516-17174                              | 00000/0000       | 2-20029/0189        | 08/17/76        | 50           | 7987         | 20.5                  | 50.4                | GGGG                 | 243                   | 85                   |
| 06144N                      | 4843N             | 2662-14080                              | 00000/0000       | 2-20036/0647        | 06/21/76        | 50           | 7195         | 33.6                  | 199.1               | FFFF                 | 242                   | 88                   |
| 06144N                      | 2554S             | 2432-13161                              | 00000/0000       | 2-20036/0647        | 11/14/76        | 100          | 9229         | 19.1                  | 154.1               | GGG                  | 43                    | 2                    |
| 06144N                      | 3557S             | 2574-13034                              | 00000/0000       | 2-20022/0954        | 03/29/76        | 0            | 6021         | 38.4                  | 61.8                | GGG                  | 8                     | 26                   |
| 06144N                      | 4012S             | 2591-12584                              | 00000/0000       | 2-20030/1562        | 08/18/76        | 10           | 8001         | 24.1                  | 51.0                | FFFF                 | 245                   | 78                   |
| 06144N                      | 4013S             | 2429-13031                              | 00000/0000       | 2-20032/0687        | 09/04/76        | 40           | 8238         | 26.1                  | 53.6                | FFFF                 | 243                   | 85                   |
| 06145N                      | 8059N             | 2533-18533                              | 00000/0000       | 2-20022/0476        | 03/26/76        | 70           | 5979         | 29.4                  | 57.4                | GGGF                 | 242                   | 88                   |
| 06146N                      | 7932N             | 2571-17215                              | 00000/0000       | 2-20029/0282        | 07/08/76        | 40           | 7433         | 29.1                  | 223.6               | FGGG                 | 242                   | 88                   |
| 06146N                      | 2555S             | 2414-13164                              | 00000/0000       | 2-20032/1902        | 08/15/76        | 40           | 7962         | 23.8                  | 199.1               | GFF                  | 48                    | 246                  |
| 06146N                      | 3558S             | 2430-13074                              | 00000/0000       | 2-20021/1484        | 03/11/76        | 0            | 5770         | 41.4                  | 70.3                | FGG                  | 43                    | 2                    |
| 06146N                      | 4004S             | 2645-12570                              | 00000/0000       | 2-20022/0696        | 03/27/76        | 0            | 5993         | 32.1                  | 58.2                | GGGG                 | 245                   | 78                   |
| 06146N                      | 4009S             | 2609-12541                              | 00000/0000       | 2-20035/0241        | 10/28/76        | 0            | 8991         | 43.5                  | 67.3                | FFFF                 | 243                   | 85                   |
| 06147N                      | 0955N             | 2600-13353                              | 00000/0000       | 2-20032/1792        | 09/22/76        | 0            | 8489         | 32.4                  | 57.3                | GGGG                 | 242                   | 88                   |
| 06147N                      | 3549S             | 2610-13024                              | 00000/0000       | 2-20033/0257        | 09/13/76        | 50           | 8364         | 52.9                  | 97.2                | GGGF                 | 242                   | 88                   |
| 06147N                      | 4008S             | 2663-12562                              | 00000/0000       | 2-20032/1838        | 09/23/76        | 0            | 8503         | 35.7                  | 59.1                | GFG                  | 251                   | 53                   |
| 06148N                      | 7928N             | 2607-17275                              | 00000/0000       | 2-20036/1658        | 11/15/76        | 100          | 9242         | 46.8                  | 73.2                | GGGG                 | 243                   | 85                   |
| 06149N                      | 8038N             | 2545-18191                              | 00000/0000       | 2-20034/1196        | 09/20/76        | 90           | 8464         | 10.7                  | 200.5               | GGGG                 | 242                   | 88                   |
| 06149N                      | 5129N             | 2519-14172                              | 00000/0000       | 2-20029/0271        | 07/20/76        | 20           | 7400         | 28.5                  | 214.0               | FGG                  | 43                    | 2                    |
| 06149N                      | 3550S             | 2628-13021                              | 00000/0000       | 2-20028/0010        | 06/24/76        | 30           | 7235         | 54.6                  | 132.0               | GGG                  | 35                    | 245                  |
| 06149N                      | 3551S             | 2394-13085                              | 00000/0000       | 2-20034/0601        | 10/11/76        | 0            | 8754         | 41.5                  | 64.3                | GGGG                 | 9                     | 24                   |
| 06149N                      | 3554S             | 2664-13005                              | 00000/0000       | 2-20021/0314        | 02/20/76        | 40           | 5491         | 40.1                  | 72.6                | GGFG                 | 243                   | 85                   |
| 06149N                      | 3558S             | 2412-13082                              | 00000/0000       | 2-20036/1153        | 11/16/76        | 100          | 9256         | 48.8                  | 77.2                | FGGG                 | 243                   | 85                   |
| 06149N                      | 4007S             | 2393-13042                              | 00000/0000       | 2-20021/1391        | 03/09/76        | 80           | 5742         | 36.2                  | 65.4                | GGGG                 | 243                   | 85                   |
| 06149N                      | 4013S             | 2681-12553                              | 00000/0000       | 2-20021/0204        | 02/19/76        | 80           | 5477         | 38.2                  | 70.6                | GGGG                 | 243                   | 85                   |
|                             |                   |                                         | 00000/0000       | 2-20036/1850        | 12/03/76        | 40           | 9493         | 47.8                  | 78.6                | FFFF                 | 242                   | 88                   |
|                             |                   |                                         |                  |                     |                 |              |              |                       |                     | FFGF                 | 242                   | 88                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MSDF ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 1271

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06152W 3134S                            | 2521-13094        | 00000/0000 2-20028/0203                            | 06/26/76         | 10                  | 7262            | 20.1         | 43.9         |                                    |                     |                      |                       |                      |
| 06152W 3138S                            | 2575-13081        | 00000/0000 2-20030/1472                            | 08/19/76         | 20                  | 8015            | 27.7         | 52.1         | FFFF                               |                     |                      | 244                   | 82                   |
| 06153W 3141S                            | 2557-13084        | 00000/0000 2-20030/0666                            | 08/01/76         | 100                 | 7764            | 23.5         | 48.5         | FFFF                               |                     |                      | 244                   | 82                   |
| 06153W 3553S                            | 2376-13091        | 00000/0000 2-20020/0691                            | 02/02/76         | 100                 | 5240            | 43.6         | 78.9         | FFFF                               |                     |                      | 244                   | 82                   |
| 06154W 8008N                            | 2612-17490        | 2-20034/1221 00000/0000                            | 09/25/76         | 60                  | 8534            | 7.7          | 207.7        | FFFF                               |                     |                      | 243                   | 85                   |
| 06154W 3140S                            | 2431-13121        | 00000/0000 2-20022/0897                            | 03/28/76         | 0                   | 6007            | 34.8         | 59.5         | GGG                                |                     |                      | 48                    | 1                    |
| 06155W 3138S                            | 2593-13074        | 00000/0000 2-20032/0966                            | 09/06/76         | 90                  | 8266            | 33.1         | 56.3         | GGGG                               |                     |                      | 244                   | 82                   |
| 06157W 4433N                            | 2431-14090        | 00000/0000 2-20025/0573                            | 05/17/76         | 10                  | 6705            | 55.4         | 127.2        | GGGG                               |                     |                      | 244                   | 82                   |
| 06157W 3130S                            | 2647-13055        | 00000/0000 2-20035/0329                            | 10/30/76         | 90                  | 9019            | 48.3         | 74.6         | FGGG                               |                     |                      | 7                     | 29                   |
| 06157W 3136S                            | 2665-13051        | 00000/0000 2-20036/0899                            | 11/17/76         | 60                  | 9270            | 50.4         | 81.8         | FFFF                               |                     |                      | 244                   | 82                   |
| 06158W 4439N                            | 2715-14012        | 00000/0000 2-20038/0914                            | 01/06/77         | 20                  | 9968            | 16.4         | 148.3        | GGGG                               |                     |                      | 244                   | 82                   |
| 06158W 4438N                            | 2589-14060        | 2-20033/0219 2-20032/0563                          | 09/02/76         | 80                  | 8211            | 44.7         | 135.3        | GGGG                               |                     |                      | 7                     | 29                   |
| 06158W 3131S                            | 2395-13131        | 00000/0000 2-20021/0378                            | 02/21/76         | 20                  | 5505            | 41.9         | 75.1         | GGF                                | FGGG                |                      | 7                     | 29                   |
| 06159W 4437N                            | 2697-14021        | 00000/0000 2-20037/1102                            | 12/19/76         | 40                  | 9717            | 16.4         | 150.8        | GGFG                               |                     |                      | 244                   | 82                   |
| 06201W 4432N                            | 2679-14025        | 00000/0000 2-20036/1690                            | 12/01/76         | 20                  | 9466            | 18.6         | 152.1        | GGGG                               |                     |                      | 7                     | 29                   |
| 06201W 4426N                            | 2403-14110        | 00000/0000 2-20021/1213                            | 03/06/76         | 40                  | 5701            | 32.4         | 141.3        | GGGG                               |                     |                      | 7                     | 29                   |
| 06201W 3601N                            | 2479-14000        | 00000/0000 2-20025/0426                            | 05/15/76         | 50                  | 6677            | 57.8         | 113.7        | FGGG                               |                     |                      | 7                     | 29                   |
| 06202W 4019N                            | 2480-14043        | 00000/0000 2-20025/0659                            | 05/16/76         | 10                  | 6691            | 56.8         | 120.6        | FGGG                               |                     |                      | 5                     | 35                   |
| 06202W 0840N                            | 2564-13370        | 00000/0000 2-20030/0980                            | 08/08/76         | 80                  | 7862            | 51.1         | 75.2         | GGGG                               |                     |                      | 6                     | 32                   |
| 06203W 8057N                            | 2515-18540        | 2-20029/0186 00000/0000                            | 06/20/76         | 10                  | 7182            | 30.1         | 224.2        | GGGG                               |                     |                      | 251                   | 54                   |
| 06203W 4428N                            | 2661-14034        | 00000/0000 2-20036/0553                            | 11/13/76         | 40                  | 9215            | 22.7         | 152.0        | GGF                                |                     |                      | 48                    | 246                  |
| 06203W 0842N                            | 2582-13363        | 2-20033/0069 00000/0000                            | 08/26/76         | 50                  | 8113            | 52.2         | 84.5         | GGGG                               |                     |                      | 7                     | 29                   |
| 06203W 2137S                            | 2433-13204        | 00000/0000 2-20022/1004                            | 03/30/76         | 0                   | 6035            | 40.8         | 63.9         | GGG                                |                     |                      | 251                   | 54                   |
| 06204W 2137S                            | 2415-13211        | 00000/0000 2-20022/0063                            | 03/12/76         | 80                  | 5784            | 43.3         | 73.0         | GGGG                               |                     |                      | 246                   | 75                   |
| 06205W 4427N                            | 2643-14042        | 00000/0000 2-20034/1190                            | 10/26/76         | 100                 | 8964            | 27.9         | 150.0        | GGGG                               |                     |                      | 246                   | 75                   |
| 06206W 8002N                            | 2521-17455        | 2-20029/0222 00000/0000                            | 06/26/76         | 40                  | 7265            | 32.4         | 206.0        | GGG                                |                     |                      | 7                     | 29                   |
| 06207W 0828N                            | 2600-13360        | 2-20033/0258 00000/0000                            | 09/13/76         | 60                  | 8364            | 52.9         | 95.3         | GGG                                |                     |                      | 48                    | 1                    |
| 06207W 2134S                            | 2397-13214        | 00000/0000 2-20021/0496                            | 02/23/76         | 10                  | 5533            | 45.4         | 82.3         | GGG                                |                     |                      | 251                   | 54                   |
| 06207W 2720S                            | 2432-13163        | 00000/0000 2-20022/0955                            | 03/29/76         | 0                   | 6021            | 37.4         | 61.0         | FFFF                               |                     |                      | 246                   | 75                   |
| 06209W 2721S                            | 2414-13171        | 00000/0000 2-20021/1485                            | 03/11/76         | 0                   | 5770            | 40.7         | 69.3         | FFFF                               |                     |                      | 245                   | 79                   |
| 06209W 3723S                            | 2556-13044        | 00000/0000 2-20030/0513                            | 07/31/76         | 90                  | 7750            | 18.6         | 47.8         | GGGG                               |                     |                      | 245                   | 79                   |
| 06210W 3715S                            | 2520-13054        | 00000/0000 2-20028/0052                            | 06/25/76         | 20                  | 7248            | 15.3         | 43.5         | GGGG                               |                     |                      | 243                   | 86                   |
| 06210W 3718S                            | 2538-13051        | 00000/0000 2-20028/1375                            | 07/13/76         | 70                  | 7499            | 16.0         | 45.2         | PPPP                               |                     |                      | 243                   | 86                   |
| 06211W 8039N                            | 2527-18194        | 2-20033/0084 00000/0000                            | 07/02/76         | 30                  | 7349            | 30.9         | 214.4        | FGGG                               |                     |                      | 243                   | 86                   |
| 06211W 3723S                            | 2574-13041        | 00000/0000 2-20030/1563                            | 08/18/76         | 10                  | 8001            | 23.0         | 50.9         | GGG                                |                     |                      | 35                    | 248                  |
|                                         |                   |                                                    |                  |                     |                 |              |              | GGGG                               |                     |                      | 243                   | 86                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LAT   | LONG       | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06214W                      | 3714S | 2610-13030 | 00000/0000        | 2-20032/1839                 | 09/23/76                    | 0                | 8503                | 34.8            | 58.5         | FFFF         |                                    |                     |                      | 243                   | 86                   |
| 06214W                      | 4139S | 2429-13034 | 00000/0000        | 2-20022/0477                 | 03/26/76                    | 30               | 5979                | 28.3            | 57.1         | GGGG         |                                    |                     |                      | 242                   | 89                   |
| 06215W                      | 4722N | 2482-14135 | 00000/0000        | 2-20025/0871                 | 05/18/76                    | 70               | 5719                | 54.3            | 131.3        | GGGG         |                                    |                     |                      | 8                     | 27                   |
| 06215W                      | 3258S | 2503-13104 | 00000/0000        | 2-20026/0984                 | 06/08/76                    | 10               | 7011                | 19.9            | 43.2         | GGGG         |                                    |                     |                      | 244                   | 83                   |
| 06216W                      | 4730N | 2716-14061 | 00000/0000        | 2-20038/1098                 | 01/07/77                    | 80               | 9982                | 14.4            | 149.4        | GGGG         |                                    |                     |                      | 8                     | 27                   |
| 06216W                      | 3716S | 2628-13023 | 00000/0000        | 2-20034/0602                 | 10/11/76                    | 10               | 8754                | 40.6            | 63.5         | GGGG         |                                    |                     |                      | 243                   | 86                   |
| 06217W                      | 4727N | 2698-14070 | 00000/0000        | 2-20037/1127                 | 12/20/76                    | 20               | 9731                | 14.2            | 151.9        | GGGG         |                                    |                     |                      | 8                     | 27                   |
| 06217W                      | 3717S | 2394-13091 | 00000/0000        | 2-20021/0315                 | 02/20/76                    | 40               | 5491                | 39.4            | 71.8         | GGGG         |                                    |                     |                      | 243                   | 86                   |
| 06217W                      | 3719S | 2664-13011 | 00000/0000        | 2-20036/1154                 | 11/16/76                    | 100              | 9256                | 48.2            | 75.9         | FFFF         |                                    |                     |                      | 243                   | 86                   |
| 06218W                      | 4724N | 2680-14074 | 00000/0000        | 2-20036/1754                 | 12/02/76                    | 50               | 9480                | 16.2            | 153.4        | GGGG         |                                    |                     |                      | 8                     | 27                   |
| 06218W                      | 3303S | 2539-13094 | 00000/0000        | 2-20024/1516                 | 07/14/76                    | 0                | 7513                | 19.7            | 45.6         | FF           |                                    |                     |                      | 244                   | 83                   |
| 06218W                      | 3307S | 2557-13091 | 00000/0000        | 2-20030/0667                 | 08/01/76                    | 100              | 7764                | 22.3            | 48.3         | FFFF         |                                    |                     |                      | 244                   | 83                   |
| 06219W                      | 8010N | 2558-17503 | P-20031/0036      | 00000/0000                   | 08/02/76                    | 0                | 7781                | 26.6            | 205.9        | GGG          |                                    |                     |                      | 48                    | 1                    |
| 06219W                      | 5022N | 2447-14194 | 00000/0000        | 2-20023/0109                 | 04/13/76                    | 20               | 6231                | 43.0            | 141.5        | GGGG         |                                    |                     |                      | 9                     | 25                   |
| 06219W                      | 3306S | 2431-13123 | 00000/0000        | 2-20022/0877                 | 03/28/76                    | 0                | 6007                | 33.8            | 58.9         | PPPP         |                                    |                     |                      | 244                   | 83                   |
| 06220W                      | 5022N | 2465-14191 | 00000/0000        | 2-20024/0945                 | 05/01/76                    | 10               | 6482                | 48.8            | 138.9        | GGGG         |                                    |                     |                      | 9                     | 25                   |
| 06220W                      | 4717N | 2410-14160 | 00000/0000        | 2-20021/1278                 | 03/07/76                    | 40               | 5715                | 30.9            | 143.3        | GGGG         |                                    |                     |                      | 8                     | 27                   |
| 06220W                      | 4717N | 2644-14091 | 00000/0000        | 2-20035/0270                 | 10/27/76                    | 80               | 8978                | 25.5            | 151.8        | GGGG         |                                    |                     |                      | 8                     | 27                   |
| 06220W                      | 3304S | 2593-13080 | 00000/0000        | 2-20032/0967                 | 09/06/76                    | 40               | 8266                | 32.1            | 55.8         | GGGG         |                                    |                     |                      | 244                   | 83                   |
| 06221W                      | 4718N | 2662-14083 | 00000/0000        | 2-20036/0648                 | 11/14/76                    | 90               | 9229                | 20.2            | 153.4        | GGGG         |                                    |                     |                      | 8                     | 27                   |
| 06221W                      | 3300S | 2611-13073 | 00000/0000        | 2-20032/1766                 | 05/24/76                    | 20               | 8517                | 38.0            | 60.6         | FFFF         |                                    |                     |                      | 244                   | 83                   |
| 06221W                      | 3718S | 2376-13094 | 00000/0000        | 2-20020/0692                 | 02/02/76                    | 90               | 5240                | 43.1            | 77.8         | FFFF         |                                    |                     |                      | 243                   | 86                   |
| 06222W                      | 0713N | 2564-13372 | 00000/0000        | 2-20030/0981                 | 08/08/76                    | 90               | 7862                | 50.5            | 73.6         | GGGG         |                                    |                     |                      | 251                   | 55                   |
| 06222W                      | 3256S | 2647-13062 | 00000/0000        | 2-20035/0330                 | 10/30/76                    | 90               | 9019                | 47.7            | 73.3         | GGGG         |                                    |                     |                      | 244                   | 83                   |
| 06222W                      | 3302S | 2665-13054 | 00000/0000        | 2-20034/0900                 | 11/17/76                    | 50               | 9270                | 50.0            | 80.3         | PPPP         |                                    |                     |                      | 244                   | 83                   |
| 06222W                      | 3307S | 2683-13045 | 00000/0000        | 2-20037/0283                 | 12/05/76                    | 0                | 9521                | 50.1            | 85.9         | FFFF         |                                    |                     |                      | 244                   | 83                   |
| 06223W                      | 0716N | 2582-13365 | P-20033/0070      | 00000/0000                   | 08/20/76                    | 40               | 8113                | 51.8            | 82.7         | GGG          |                                    |                     |                      | 251                   | 55                   |
| 06223W                      | 3258S | 2395-13134 | 00000/0000        | 2-20021/0380                 | 02/21/76                    | 40               | 5505                | 41.3            | 74.1         | FGGG         |                                    |                     |                      | 244                   | 83                   |
| 06224W                      | 5015N | 2483-14184 | 00000/0000        | 2-20025/0902                 | 05/19/76                    | 90               | 6733                | 53.0            | 135.4        | GGGG         |                                    |                     |                      | 9                     | 25                   |
| 06224W                      | 3300S | 2629-13070 | 00000/0000        | 2-20034/0511                 | 10/12/76                    | 90               | 8768                | 43.4            | 66.4         | GGGG         |                                    |                     |                      | 244                   | 83                   |
| 06225W                      | 5020N | 2573-14161 | 00000/0000        | 2-20030/1430                 | 08/17/76                    | 90               | 7988                | 45.9            | 136.9        | GGGG         |                                    |                     |                      | 9                     | 25                   |
| 06225W                      | 5019N | 2591-14154 | 00000/0000        | 2-20032/0771                 | 09/04/76                    | 100              | 8239                | 40.7            | 141.9        | GG           |                                    |                     |                      | 9                     | 25                   |
| 06226W                      | 5014N | 2555-14165 | 00000/0000        | 2-20030/0561                 | 07/30/76                    | 90               | 7737                | 50.3            | 132.5        | GGGG         |                                    |                     |                      | 9                     | 25                   |
| 06226W                      | 2304S | 2433-13210 | 00000/0000        | 2-20022/1005                 | 03/30/76                    | 0                | 6035                | 39.9            | 63.0         | GGGG         |                                    |                     |                      | 246                   | 76                   |
| 06227W                      | 3435N | 2479-14003 | 00000/0000        | 2-20025/0427                 | 05/15/76                    | 30               | 6677                | 58.1            | 111.2        | GGGG         |                                    |                     |                      | 5                     | 36                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL.<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|--------------|--------------|------------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |              |              | 123 45678              |                     |                      |                       |                      |
| 06227W                      | 2304S             | 2415-13214                              | 00000/0000       | 2-20022/0064        | 03/12/76     | 90           | 5754                   | 42.6                | 71.9                 |                       |                      |
| 06229W                      | 5005N             | 2519-14175                              | 00000/0000       | 2-20022/0011        | 06/24/76     | 40           | 7235                   | 55.3                | 129.7                | GGFG                  | 246 76               |
| 06229W                      | 2300S             | 2397-13221                              | 00000/0000       | 2-20021/0437        | 02/23/76     | 0            | 5533                   | 44.9                | 81.0                 | GGGG                  | 9 25                 |
| 06230W                      | 5005N             | 2411-14205                              | 00000/0000       | 2-20021/1339        | 03/08/76     | 10           | 5729                   | 29.4                | 145.2                | GGGF                  | 246 76               |
| 06230W                      | 4313N             | 2715-14015                              | 00000/0000       | 2-20038/0915        | 01/06/77     | 70           | 9968                   | 17.4                | 147.7                | GGGG                  | 9 25                 |
| 06230W                      | 4312N             | 2589-14062                              | 2-20033/0220     | 2-20032/0564        | 09/02/76     | 60           | 8211                   | 45.5                | 133.8                | GGG FGGG              | 7 30                 |
| 06230W                      | 4308N             | 2481-14032                              | 00000/0000       | 2-20025/0574        | 05/17/76     | 10           | 6705                   | 56.0                | 124.9                | FGGG                  | 7 30                 |
| 06231W                      | 8041N             | 2564-18242                              | 2-20033/0003     | 00000/0000          | 08/08/76     | 100          | 7865                   | 23.8                | 214.3                | GGG                   | 36 248               |
| 06231W                      | 5006N             | 2645-14140                              | 00000/0000       | 2-20035/0284        | 10/28/76     | 10           | 8992                   | 23.0                | 153.6                | GGGG                  | 9 25                 |
| 06231W                      | 4311N             | 2697-14023                              | 00000/0000       | 2-20037/1103        | 12/19/76     | 50           | 9717                   | 17.5                | 150.2                | GGGG                  | 7 30                 |
| 06231W                      | 3853N             | 2480-14045                              | 00000/0000       | 2-20025/0660        | 05/16/76     | 20           | 6691                   | 57.3                | 118.2                | GGGG                  | 6 33                 |
| 06231W                      | 2846S             | 2432-13170                              | 00000/0000       | 2-20022/0956        | 03/29/76     | 0            | 6021                   | 36.5                | 60.3                 | FGGG                  | 245 80               |
| 06232W                      | 5005N             | 2393-14212                              | 00000/0000       | 2-20021/0175        | 02/19/76     | 100          | 5478                   | 22.9                | 147.2                | FGFF                  | 9 25                 |
| 06233W                      | 4301N             | 2409-14113                              | 00000/0000       | 2-20021/1214        | 03/06/76     | 90           | 5701                   | 33.3                | 140.3                | FGGG                  | 7 30                 |
| 06234W                      | 4307N             | 2679-14032                              | 00000/0000       | 2-20036/1691        | 12/01/76     | 50           | 9466                   | 19.7                | 151.5                | GGGG                  | 7 30                 |
| 06235W                      | 8014N             | 2577-17504                              | 2-20033/0031     | 00000/0000          | 08/21/76     | 90           | 8046                   | 20.7                | 207.2                | GGG                   | 48 1                 |
| 06236W                      | 4303N             | 2661-14040                              | 00000/0000       | 2-20036/0554        | 11/13/76     | 50           | 9215                   | 23.8                | 151.2                | GGGG                  | 7 30                 |
| 06236W                      | 2842S             | 2396-13181                              | 00000/0000       | 2-20021/0462        | 02/22/76     | 0            | 5519                   | 42.9                | 76.7                 | GGGG                  | 245 80               |
| 06237W                      | 4302N             | 2643-14044                              | 00000/0000       | 2-20034/1191        | 10/26/76     | 100          | 8964                   | 29.0                | 149.2                | GGGG                  | 7 30                 |
| 06238W                      | 3840S             | 2520-13061                              | 00000/0000       | 2-20022/0053        | 06/25/76     | 10           | 7248                   | 14.0                | 43.6                 | GGGG                  | 243 87               |
| 06238W                      | 3844S             | 2538-13053                              | 00000/0000       | 2-20022/1376        | 07/13/76     | 90           | 7499                   | 14.8                | 45.2                 | GGGF                  | 243 87               |
| 06238W                      | 3849S             | 2556-13050                              | 00000/0000       | 2-20030/0514        | 07/31/76     | 100          | 7750                   | 17.5                | 47.7                 | FGFF                  | 243 87               |
| 06239W                      | 2845S             | 2378-13183                              | 00000/0000       | 2-20020/0955        | 02/04/76     | 90           | 5268                   | 45.7                | 84.2                 | GGGG                  | 245 80               |
| 06239W                      | 3848S             | 2574-13043                              | 00000/0000       | 2-20030/1564        | 08/18/76     | 10           | 8001                   | 21.9                | 50.7                 | FFFF                  | 243 87               |
| 06240W                      | 7924N             | 2553-17222                              | 2-20031/0004     | 00000/0000          | 07/28/76     | 0            | 7711                   | 29.0                | 198.0                | GG                    | 43 2                 |
| 06241W                      | 3423S             | 2503-13110                              | 00000/0000       | 2-20026/0935        | 06/08/76     | 90           | 7011                   | 18.7                | 43.1                 | FGFF                  | 244 84               |
| 06242W                      | 0547N             | 2564-13375                              | 00000/0000       | 2-20030/0982        | 08/08/76     | 90           | 7862                   | 49.9                | 72.0                 | GGGG                  | 251 56               |
| 06242W                      | 3840S             | 2610-13033                              | 00000/0000       | 2-20032/1840        | 09/23/76     | 10           | 8503                   | 33.8                | 58.0                 | PPPP                  | 243 87               |
| 06242W                      | 3850S             | 2430-13383                              | 00000/0000       | 2-20022/0728        | 03/27/76     | 0            | 5993                   | 30.1                | 57.4                 | GGG                   | 243 87               |
| 06243W                      | 0549N             | 2582-13372                              | 2-20033/0071     | 00000/0000          | 08/26/76     | 60           | 8113                   | 51.4                | 80.9                 | GGG                   | 251 56               |
| 06243W                      | 3425S             | 2521-13103                              | 00000/0000       | 2-20028/0204        | 06/26/76     | 0            | 7262                   | 17.7                | 43.7                 | FGGG                  | 244 84               |
| 06244W                      | 3428S             | 2539-13100                              | 00000/0000       | 2-20028/1517        | 07/14/76     | 0            | 7513                   | 18.5                | 45.5                 | FFFF                  | 244 84               |
| 06244W                      | 3433S             | 2557-13093                              | 00000/0000       | 2-20030/0668        | 08/01/76     | 100          | 7764                   | 21.2                | 48.2                 | FFFF                  | 244 84               |
| 06244W                      | 3840S             | 2628-13030                              | 00000/0000       | 2-20034/0603        | 10/11/76     | 10           | 8754                   | 39.7                | 62.8                 | FFFF                  | 243 87               |
| 06245W                      | 3431S             | 2431-13130                              | 00000/0000       | 2-20022/0878        | 03/28/76     | 0            | 6007                   | 32.9                | 58.4                 | FFFF                  | 244 84               |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 06245W                      | 3838S             | 2646-1302P                              | 00000/0000       | 2-20035/0189        | 10/29/76        | 90           | 9005         | 44.6                  | 68.6                |                      |                       |                      |
| 06245W                      | 3842S             | 2394-13094                              | 00000/0000       | 2-20021/0316        | 02/20/76        | 90           | 5491         | 38.7                  | 71.0                |                      |                       |                      |
| 06245W                      | 3844S             | 2664-13014                              | 00000/0000       | 2-20036/1155        | 11/16/76        | 100          | 9256         | 47.5                  | 74.7                |                      |                       |                      |
| 06245W                      | 4304S             | 2429-13040                              | 00000/0000       | 2-20022/0478        | 03/26/76        | 20           | 5979         | 27.3                  | 56.9                |                      |                       |                      |
| 06247W                      | 3425S             | 2611-13080                              | 00000/0000       | 2-20032/1767        | 09/24/76        | 40           | 8517         | 37.0                  | 60.0                |                      |                       |                      |
| 06247W                      | 3849S             | 2682-13005                              | 00000/0000       | 2-20037/0094        | 12/04/76        | 0            | 9507         | 48.3                  | 80.1                |                      |                       |                      |
| 06248W                      | 0536N             | 2600-13365                              | 2-20033/0259     | 00000/0000          | 09/13/76        | 10           | 8364         | 52.6                  | 91.4                |                      |                       |                      |
| 06248W                      | 2430S             | 2433-13213                              | 00000/0000       | 2-20022/1006        | 03/30/76        | 0            | 6035         | 39.1                  | 62.1                |                      |                       |                      |
| 06248W                      | 3422S             | 2647-13064                              | 00000/0000       | 2-20035/0331        | 10/30/76        | 100          | 9019         | 47.0                  | 72.1                |                      |                       |                      |
| 06248W                      | 3434S             | 2683-13052                              | 00000/0000       | 2-20037/0284        | 12/05/76        | 0            | 9521         | 49.7                  | 84.5                |                      |                       |                      |
| 06249W                      | 3424S             | 2395-13140                              | 00000/0000       | 2-20021/0381        | 02/21/76        | 10           | 5505         | 40.6                  | 73.1                |                      |                       |                      |
| 06249W                      | 3426S             | 2629-13072                              | 00000/0000       | 2-20034/0512        | 10/12/76        | 80           | 8768         | 42.6                  | 65.5                |                      |                       |                      |
| 06249W                      | 3428S             | 2665-13060                              | 00000/0000       | 2-20036/0901        | 11/17/76        | 40           | 9270         | 49.4                  | 78.9                |                      |                       |                      |
| 06250W                      | 4557N             | 2452-14141                              | 00000/0000       | 2-20025/0872        | 05/18/76        | 30           | 6719         | 54.9                  | 129.1               |                      |                       |                      |
| 06250W                      | 2430S             | 2415-13220                              | 00000/0000       | 2-20022/0065        | 03/12/76        | 100          | 5784         | 41.9                  | 70.8                |                      |                       |                      |
| 06250W                      | 3844S             | 2376-13100                              | 00000/0000       | 2-20020/0693        | 02/02/76        | 90           | 5240         | 42.5                  | 76.8                |                      |                       |                      |
| 06251W                      | 4605N             | 2716-14064                              | 00000/0000       | 2-20038/1099        | 01/07/77        | 70           | 9982         | 15.4                  | 148.8               |                      |                       |                      |
| 06252W                      | 4602N             | 2638-14072                              | 00000/0000       | 2-20037/1128        | 12/20/76        | 30           | 9731         | 15.3                  | 151.3               |                      |                       |                      |
| 06252W                      | 2426S             | 2397-13223                              | 00000/0000       | 2-20021/0498        | 02/23/76        | 0            | 5533         | 44.4                  | 79.7                |                      |                       |                      |
| 06253W                      | 4559N             | 2680-14081                              | 00000/0000       | 2-20036/1755        | 12/02/76        | 50           | 9480         | 17.3                  | 152.7               |                      |                       |                      |
| 06253W                      | 3309N             | 2479-14005                              | 00000/0000       | 2-20025/0428        | 05/15/76        | 20           | 6677         | 58.4                  | 108.7               |                      |                       |                      |
| 06254W                      | 7932N             | 2572-17273                              | 2-20033/0010     | 00000/0000          | 08/16/76        | 10           | 7976         | 23.5                  | 199.3               |                      |                       |                      |
| 06254W                      | 5721N             | 2576-14312                              | 00000/0000       | 2-20032/0049        | 08/20/76        | 100          | 8030         | 40.8                  | 145.8               |                      |                       |                      |
| 06254W                      | 3009S             | 2522-13150                              | 00000/0000       | 2-20028/1154        | 06/27/76        | 10           | 7276         | 21.3                  | 44.1                |                      |                       |                      |
| 06254W                      | 3012S             | 2432-13172                              | 00000/0000       | 2-20022/0957        | 03/29/76        | 0            | 6021         | 35.6                  | 59.7                |                      |                       |                      |
| 06255W                      | 4552N             | 2644-14093                              | 00000/0000       | 2-20035/0271        | 10/27/76        | 80           | 8978         | 26.5                  | 151.0               |                      |                       |                      |
| 06256W                      | 4553N             | 2662-14085                              | 00000/0000       | 2-20036/0649        | 11/14/76        | 90           | 9229         | 21.3                  | 152.7               |                      |                       |                      |
| 06256W                      | 4552N             | 2410-14162                              | 00000/0000       | 2-20021/1279        | 03/07/76        | 20           | 5715         | 31.8                  | 142.3               |                      |                       |                      |
| 06257W                      | 3013S             | 2594-13130                              | 00000/0000       | 2-20032/0996        | 09/07/76        | 50           | 8280         | 34.4                  | 57.1                |                      |                       |                      |
| 06258W                      | 4857N             | 2447-14200                              | 00000/0000       | 2-20023/0110        | 04/13/76        | 20           | 6231         | 43.9                  | 140.0               |                      |                       |                      |
| 06259W                      | 4857N             | 2465-14193                              | 00000/0000       | 2-20024/0946        | 05/01/76        | 10           | 6482         | 49.6                  | 137.1               |                      |                       |                      |
| 06259W                      | 3727N             | 2480-14052                              | 00000/0000       | 2-20025/0661        | 05/13/76        | 40           | 6691         | 57.7                  | 115.8               |                      |                       |                      |
| 06259W                      | 3007S             | 2396-13183                              | 00000/0000       | 2-20021/0463        | 02/22/76        | 0            | 5519         | 42.3                  | 75.7                |                      |                       |                      |
| 06259W                      | 3008S             | 2630-13115                              | 00000/0000       | 2-20034/0696        | 10/13/76        | 30           | 8782         | 45.3                  | 68.9                |                      |                       |                      |
| 06300W                      | 3012S             | 2666-13103                              | 00000/0000       | 2-20036/0916        | 11/18/76        | 10           | 9284         | 50.9                  | 83.7                |                      |                       |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06301W                                  | 7751N             | 2456-16453                                         | 00000/0000       | 2-20024/0332        | 04/22/76        | 0            | 6358         | 24.4                               | 189.7               |                      |                       |                      |
| 06301W                                  | 4148N             | 2715-14021                                         | 00000/0000       | 2-20032/0916        | 01/06/77        | 80           | 9968         | 18.5                               | 147.1               |                      |                       |                      |
| 06301W                                  | 4147N             | 2589-14066                                         | 2-20033/0221     | 2-20032/0565        | 09/02/76        | 70           | 8211         | 46.2                               | 132.2               |                      |                       |                      |
| 06302W                                  | 5708N             | 2504-14332                                         | 00000/0000       | 2-20026/1267        | 06/09/76        | 80           | 7026         | 51.5                               | 142.4               |                      |                       |                      |
| 06302W                                  | 4850N             | 2483-14191                                         | 00000/0000       | 2-20025/0903        | 05/19/76        | 90           | 6733         | 53.7                               | 133.3               |                      |                       |                      |
| 06302W                                  | 4146N             | 2697-14030                                         | 00000/0000       | 2-20037/1104        | 12/19/76        | 60           | 9717         | 18.5                               | 149.6               |                      |                       |                      |
| 06302W                                  | 4142N             | 2481-14095                                         | 00000/0000       | 2-20025/0575        | 05/17/76        | 10           | 6705         | 56.5                               | 122.6               |                      |                       |                      |
| 06303W                                  | 4855N             | 2573-14164                                         | 00000/0000       | 2-20030/1431        | 08/17/76        | 50           | 7988         | 46.7                               | 135.2               |                      |                       |                      |
| 06303W                                  | 4853N             | 2429-14204                                         | 00000/0000       | 2-20027/0497        | 03/26/76        | 10           | 5980         | 37.2                               | 142.3               |                      |                       |                      |
| 06303W                                  | 4849N             | 2555-14171                                         | 00000/0000       | 2-20030/0562        | 07/30/76        | 90           | 7737         | 51.0                               | 130.5               |                      |                       |                      |
| 06303W                                  | 3009S             | 2378-13190                                         | 00000/0000       | 2-20020/0956        | 02/04/76        | 80           | 5268         | 45.3                               | 82.9                |                      |                       |                      |
| 06304W                                  | 4854N             | 2591-14161                                         | 00000/0000       | 2-20032/0766        | 09/04/76        | 90           | 8239         | 41.6                               | 140.4               |                      |                       |                      |
| 06304W                                  | 4135N             | 2409-14115                                         | 00000/0000       | 2-20021/1215        | 03/06/76        | 80           | 5701         | 34.2                               | 139.3               |                      |                       |                      |
| 06305W                                  | 4141N             | 2679-14034                                         | 00000/0000       | 2-20036/1692        | 12/01/76        | 80           | 9466         | 20.8                               | 150.9               |                      |                       |                      |
| 06307W                                  | 5145N             | 2718-14152                                         | 00000/0000       | 2-20032/1088        | 01/09/77        | 70           | 10           | 11.4                               | 151.0               |                      |                       |                      |
| 06307W                                  | 4841N             | 2519-14181                                         | 00000/0000       | 2-20028/0012        | 06/24/76        | 10           | 7235         | 55.9                               | 127.4               |                      |                       |                      |
| 06307W                                  | 4138N             | 2661-14043                                         | 00000/0000       | 2-20036/0555        | 11/13/76        | 50           | 9216         | 24.9                               | 150.5               |                      |                       |                      |
| 06307W                                  | 3548S             | 2503-13113                                         | 00000/0000       | 2-20026/0986        | 06/08/76        | 100          | 7011         | 17.5                               | 43.1                |                      |                       |                      |
| 06307W                                  | 4005S             | 2520-13063                                         | 00000/0000       | 2-20028/0054        | 06/25/76        | 0            | 7248         | 12.8                               | 43.6                |                      |                       |                      |
| 06307W                                  | 4009S             | 2538-13060                                         | 00000/0000       | 2-20028/1377        | 07/13/76        | 90           | 7499         | 13.6                               | 45.3                |                      |                       |                      |
| 06308W                                  | 4843N             | 2501-14184                                         | 00000/0000       | 2-20026/1209        | 06/06/76        | 10           | 6984         | 55.8                               | 129.5               |                      |                       |                      |
| 06308W                                  | 4841N             | 2411-14211                                         | 00000/0000       | 2-20021/1340        | 03/08/76        | 10           | 5729         | 30.4                               | 144.2               |                      |                       |                      |
| 06308W                                  | 4137N             | 2643-14051                                         | 00000/0000       | 2-20034/1192        | 10/26/76        | 100          | 8964         | 30.1                               | 148.3               |                      |                       |                      |
| 06308W                                  | 3549S             | 2485-13115                                         | 00000/0000       | 2-20025/0017        | 05/21/76        | 10           | 6760         | 20.0                               | 44.2                |                      |                       |                      |
| 06308W                                  | 4015S             | 2556-13053                                         | 00000/0000       | 2-20030/0515        | 07/31/76        | 100          | 7750         | 16.3                               | 47.7                |                      |                       |                      |
| 06309W                                  | 4841N             | 2645-14143                                         | 00000/0000       | 2-20035/0285        | 10/28/76        | 40           | 8992         | 24.1                               | 152.7               |                      |                       |                      |
| 06309W                                  | 3550S             | 2521-13110                                         | 00000/0000       | 2-20028/0205        | 06/26/76        | 0            | 7262         | 16.5                               | 43.6                |                      |                       |                      |
| 06309W                                  | 3555S             | 2575-13092                                         | 00000/0000       | 2-20030/1473        | 08/19/76        | 10           | 8015         | 24.4                               | 51.2                |                      |                       |                      |
| 06309W                                  | 4010S             | 2592-13043                                         | 00000/0000       | 2-20032/0819        | 09/05/76        | 30           | 8252         | 26.5                               | 53.8                |                      |                       |                      |
| 06310W                                  | 4840N             | 2393-14214                                         | 00000/0000       | 2-20021/0176        | 02/19/76        | 100          | 5478         | 23.9                               | 146.3               |                      |                       |                      |
| 06310W                                  | 3554S             | 2539-13103                                         | 00000/0000       | 2-20028/1518        | 07/14/76        | 0            | 7513         | 17.3                               | 45.4                |                      |                       |                      |
| 06310W                                  | 3559S             | 2557-13100                                         | 00000/0000       | 2-20030/0669        | 08/01/76        | 100          | 7764         | 20.0                               | 48.0                |                      |                       |                      |
| 06311W                                  | 2557S             | 2433-13216                                         | 00000/0000       | 2-20027/1007        | 03/30/76        | 30           | 6035         | 38.1                               | 61.3                |                      |                       |                      |
| 06311W                                  | 3557S             | 2431-13132                                         | 00000/0000       | 2-20022/0879        | 03/28/76        | 0            | 6007         | 31.9                               | 57.9                |                      |                       |                      |
| 06311W                                  | 4006S             | 2610-13035                                         | 00000/0000       | 2-20032/1861        | 09/23/76        | 40           | 8503         | 32.8                               | 57.6                |                      |                       |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06312W                                  | 1000N             | 2601-13412                   | 2-20033/0182                | 00000/0000       | 09/14/76            | 60              | 8378         | 52.9         | 98.0                               | GGG                 |                      | 1                     | 53                   |
| 06313W                                  | 8040N             | 2546-18245                   | 2-20029/0275                | 00000/0000       | 07/21/76            | 30              | 7614         | 28.2         | 214.1                              | GGG                 |                      | 36                    | 248                  |
| 06313W                                  | 8003N             | 2522-17513                   | 2-20029/0230                | 00000/0000       | 06/27/76            | 90              | 7279         | 32.4         | 206.2                              | GGG                 |                      | 49                    | 1                    |
| 06313W                                  | 4004S             | 2628-13032                   | 00000/0000                  | 2-20034/0604     | 10/11/76            | 40              | 8754         | 38.8         | 62.1                               | FFGG                |                      | 243                   | 88                   |
| 06314W                                  | 7749N             | 2474-16450                   | 00000/0000                  | 2-20025/0134     | 05/10/76            | 90              | 6609         | 29.8         | 190.2                              | GGGG                |                      | 36                    | 4                    |
| 06314W                                  | 3548S             | 2647-13071                   | 00000/0000                  | 2-20035/0332     | 10/30/76            | 100             | 9019         | 46.3         | 71.0                               | FFFF                |                      | 244                   | 85                   |
| 06314W                                  | 3550S             | 2611-13082                   | 00000/0000                  | 2-20032/1768     | 09/24/76            | 30              | 8517         | 36.1         | 59.4                               | GGGG                |                      | 244                   | 85                   |
| 06314W                                  | 3558S             | 2701-13050                   | 00000/0000                  | 2-20037/1344     | 12/23/76            | 10              | 9772         | 47.9         | 85.9                               | GGGG                |                      | 244                   | 85                   |
| 06314W                                  | 4004S             | 2646-13024                   | 00000/0000                  | 2-20035/0190     | 10/29/76            | 80              | 9005         | 43.8         | 67.6                               | FFFF                |                      | 243                   | 88                   |
| 06314W                                  | 4007S             | 2394-13100                   | 00000/0000                  | 2-20021/0317     | 02/20/76            | 90              | 5491         | 37.9         | 70.2                               | FFGG                |                      | 243                   | 88                   |
| 06314W                                  | 4010S             | 2664-13020                   | 00000/0000                  | 2-20036/1156     | 11/16/76            | 100             | 9256         | 46.9         | 73.6                               | FFFF                |                      | 243                   | 88                   |
| 06315W                                  | 8017N             | 2452-18044                   | 00000/0000                  | 2-20024/0076     | 04/18/76            | 10              | 6303         | 19.6         | 209.8                              | GGGG                |                      | 36                    | 248                  |
| 06315W                                  | 7919N             | 2517-17232                   | 2-20029/0196                | 00000/0000       | 06/22/76            | 50              | 7209         | 33.6         | 199.0                              | GGG                 |                      | 44                    | 2                    |
| 06315W                                  | 2552S             | 2397-13230                   | 00000/0000                  | 2-20021/0499     | 02/23/76            | 0               | 5533         | 43.9         | 78.5                               | GGGG                |                      | 246                   | 78                   |
| 06315W                                  | 3600S             | 2683-13054                   | 00000/0000                  | 2-20037/0285     | 12/05/76            | 0               | 9521         | 49.3         | 83.0                               | GGGG                |                      | 244                   | 85                   |
| 06316W                                  | 3551S             | 2629-13075                   | 00000/0000                  | 2-20034/0513     | 10/12/76            | 90              | 8768         | 41.8         | 64.6                               | GGGG                |                      | 244                   | 85                   |
| 06316W                                  | 3553S             | 2665-13063                   | 00000/0000                  | 2-20036/0902     | 11/17/76            | 40              | 9270         | 48.9         | 77.6                               | FFFF                |                      | 244                   | 85                   |
| 06316W                                  | 4015S             | 2682-13012                   | 00000/0000                  | 2-20037/0067     | 12/04/76            | 0               | 9507         | 47.8         | 78.8                               | GGGG                |                      | 243                   | 88                   |
| 06317W                                  | 0251S             | 2509-13361                   | 00000/0000                  | 2-20026/1571     | 06/14/76            | 60              | 7095         | 43.7         | 53.5                               | GGGG                |                      | 250                   | 62                   |
| 06317W                                  | 3549S             | 2395-13143                   | 00000/0000                  | 2-20021/0382     | 02/21/76            | 10              | 5505         | 39.9         | 72.3                               | FFGG                |                      | 244                   | 85                   |
| 06318W                                  | 4429S             | 2429-13043                   | 00000/0000                  | 2-20022/0479     | 03/26/76            | 10              | 5979         | 26.3         | 56.6                               | GGGG                |                      | 242                   | 91                   |
| 06319W                                  | 5130N             | 2646-14192                   | 00000/0000                  | 2-20035/0276     | 10/28/76            | 90              | 9006         | 21.5         | 154.5                              | GGGG                |                      | 10                    | 24                   |
| 06319W                                  | 3144N             | 2479-14012                   | 00000/0000                  | 2-20025/0429     | 05/15/76            | 30              | 6677         | 58.5         | 106.2                              | GGGG                |                      | 5                     | 38                   |
| 06319W                                  | 3135S             | 2522-13153                   | 00000/0000                  | 2-20028/1155     | 06/27/76            | 0               | 7276         | 20.1         | 43.9                               | FFFF                |                      | 245                   | 82                   |
| 06319W                                  | 3138S             | 2432-13175                   | 00000/0000                  | 2-20022/0958     | 03/29/76            | 10              | 6021         | 34.6         | 59.1                               | FFFF                |                      | 245                   | 82                   |
| 06319W                                  | 3139S             | 2540-13150                   | 00000/0000                  | 2-20028/1396     | 07/15/76            | 10              | 7527         | 21.0         | 45.8                               | FFF                 |                      | 245                   | 82                   |
| 06320W                                  | 8037N             | 2528-18252                   | 2-20033/0089                | 00000/0000       | 07/03/76            | 80              | 7363         | 30.8         | 214.5                              | GG                  |                      | 36                    | 248                  |
| 06320W                                  | 8004N             | 2540-17510                   | 2-20029/0265                | 00000/0000       | 07/15/76            | 60              | 7530         | 30.5         | 205.2                              | GGG                 |                      | 49                    | 1                    |
| 06320W                                  | 5414N             | 2377-14320                   | 00000/0000                  | 2-20020/0875     | 02/03/76            | 100             | 5255         | 15.0         | 151.6                              | FFFF                |                      | 11                    | 22                   |
| 06321W                                  | 7748N             | 2438-16461                   | 00000/0000                  | 2-20027/1320     | 04/04/76            | 70              | 6107         | 18.0         | 188.2                              | GGGG                |                      | 36                    | 4                    |
| 06321W                                  | 3138S             | 2594-13132                   | 00000/0000                  | 2-20032/0997     | 09/07/76            | 100             | 8280         | 33.4         | 56.5                               | PPP                 |                      | 245                   | 82                   |
| 06322W                                  | 3133S             | 2396-13190                   | 00000/0000                  | 2-20021/0464     | 02/22/76            | 0               | 5519         | 41.7         | 74.6                               | FFFF                |                      | 245                   | 82                   |
| 06324W                                  | 4439V             | 2716-14070                   | 00000/0000                  | 2-20038/1100     | 01/07/77            | 90              | 9982         | 16.5         | 148.2                              | GGGG                |                      | 8                     | 29                   |
| 06324W                                  | 4432V             | 2482-14144                   | 00000/0000                  | 2-20025/0873     | 05/18/76            | 90              | 6719         | 55.5         | 126.9                              | FFGG                |                      | 8                     | 29                   |
| 06324W                                  | 3134S             | 2630-13122                   | 00000/0000                  | 2-20034/7697     | 10/13/76            | 20              | 8782         | 44.5         | 67.8                               | FFGG                |                      | 245                   | 82                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRIGHT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06324W                                  | 3139S             | 2666-13105                                         | 00000/0000       | 2-20036/0917        | 11/18/76         | 10           | 9284         | 50.5                               | 82.2                |                      |                       |                      |
| 06326W                                  | 7921N             | 2535-17225                                         | 2-20029/0305     | 00000/0000          | 07/10/76         | 90           | 7460         | 32.4                               | 197.9               | FG                   | GGGG                  | 245 82               |
| 06326W                                  | 4436N             | 2698-14075                                         | 00000/0000       | 2-20037/1129        | 12/20/76         | 60           | 9731         | 16.3                               | 150.7               |                      | GGGG                  | 44 2                 |
| 06326W                                  | 4434N             | 2680-14083                                         | 00000/0000       | 2-20036/1756        | 12/02/76         | 60           | 9480         | 18.4                               | 152.1               |                      | GGGG                  | 8 29                 |
| 06327W                                  | 7928N             | 2608-17263                                         | 2-20034/1201     | 00000/0000          | 09/21/76         | 60           | 8478         | 10.4                               | 200.4               |                      | GGGG                  | 8 29                 |
| 06327W                                  | 3601N             | 2480-14054                                         | 00000/0000       | 2-20025/0662        | 05/16/76         | 60           | 6691         | 58.0                               | 113.3               | GGG                  | GGGG                  | 44 2                 |
| 06327W                                  | 3135S             | 2378-13192                                         | 00000/0000       | 2-20020/0957        | 02/04/76         | 100          | 5268         | 44.8                               | 81.7                |                      | FGGG                  | 6 35                 |
| 06328W                                  | 4427N             | 2644-14100                                         | 00000/0000       | 2-20035/0272        | 10/27/76         | 70           | 8978         | 27.6                               | 150.2               |                      | GGGG                  | 245 82               |
| 06329W                                  | 8015N             | 2470-18041                                         | 00000/0000       | 2-20025/0196        | 05/06/76         | 20           | 6554         | 25.2                               | 210.6               |                      | GGGG                  | 8 29                 |
| 06329W                                  | 4427N             | 2410-14165                                         | 00000/0000       | 2-20021/1280        | 03/07/76         | 30           | 5715         | 32.8                               | 141.2               |                      | GGGG                  | 49 1                 |
| 06329W                                  | 0841N             | 2583-13421                                         | 2-20033/0075     | 00000/0000          | 08/27/76         | 40           | 8127         | 52.2                               | 85.0                |                      | GGGG                  | 8 29                 |
| 06330W                                  | 4428N             | 2662-14092                                         | 00000/0000       | 2-20036/0650        | 11/14/76         | 100          | 9229         | 22.4                               | 152.0               | GGG                  | GGGG                  | 1 54                 |
| 06331W                                  | 4021N             | 2569-14071                                         | 2-20033/0222     | 2-20032/0566        | 09/02/76         | 50           | 8211         | 47.0                               | 130.6               |                      | GGGG                  | 8 29                 |
| 06332W                                  | 8057N             | 2534-18591                                         | 2-20029/0300     | 00000/0000          | 07/09/76         | 100          | 7447         | 29.1                               | 223.0               | GGG                  | GGGG                  | 7 32                 |
| 06332W                                  | 8056N             | 2516-18594                                         | 2-20029/0192     | 00000/0000          | 06/21/76         | 40           | 7196         | 30.2                               | 224.0               | PPP                  |                       | 49 246               |
| 06332W                                  | 8010N             | 2559-17561                                         | 2-20031/0043     | 00000/0000          | 08/03/76         | 0            | 7795         | 26.3                               | 206.1               | GGG                  |                       | 49 246               |
| 06332W                                  | 4017N             | 2481-14101                                         | 00000/0000       | 2-20025/0576        | 05/17/76         | 20           | 6705         | 57.0                               | 120.3               | GGG                  | FGGF                  | 49 1                 |
| 06333W                                  | 0833N             | 2601-13414                                         | 2-20033/0183     | 00000/0000          | 09/14/76         | 60           | 8378         | 52.9                               | 96.0                |                      | GGG                   | 7 32                 |
| 06333W                                  | 2131S             | 2398-13273                                         | 00000/0000       | 2-20021/0516        | 02/24/76         | 20           | 5547         | 45.3                               | 81.8                |                      | GGG                   | 1 54                 |
| 06334W                                  | 8041N             | 2601-13290                                         | 2-20033/0186     | 00000/0000          | 09/14/76         | 10           | 8381         | 10.8                               | 215.6               | PPPP                 |                       | 247 75               |
| 06334W                                  | 4010N             | 2409-14122                                         | 00000/0000       | 2-20021/1216        | 03/06/76         | 90           | 5701         | 35.1                               | 138.2               | GGG                  | FGGG                  | 36 248               |
| 06334W                                  | 2723S             | 2433-13222                                         | 00000/0000       | 2-20022/1008        | 03/30/76         | 90           | 6035         | 37.2                               | 60.6                |                      | PPPG                  | 7 32                 |
| 06335W                                  | 2002N             | 2567-13505                                         | 2-20033/0139     | 00000/0000          | 08/11/76         | 30           | 7904         | 54.3                               | 91.8                |                      | GGG                   | 246 79               |
| 06335W                                  | 3714S             | 2503-13115                                         | 00000/0000       | 2-20026/0987        | 06/08/76         | 100          | 7011         | 16.2                               | 43.1                |                      | GGG                   | 3 46                 |
| 06335W                                  | 2010N             | 2585-13501                                         | 2-20033/0100     | 00000/0000          | 08/29/76         | 30           | 8155         | 53.4                               | 102.1               |                      | GGG                   | 244 86               |
| 06337W                                  | 3716S             | 2521-13112                                         | 00000/0000       | 2-20028/0206        | 06/26/76         | 0            | 7262         | 15.3                               | 43.6                |                      | FFFF                  | 3 46                 |
| 06337W                                  | 3720S             | 2539-13115                                         | 00000/0000       | 2-20028/1519        | 07/14/76         | 0            | 7513         | 16.1                               | 45.4                |                      | FGFF                  | 244 86               |
| 06337W                                  | 3721S             | 2575-13095                                         | 00000/0000       | 2-20037/1474        | 08/19/76         | 10           | 8015         | 23.3                               | 51.0                |                      | FGGF                  | 244 86               |
| 06337W                                  | 3725S             | 2557-13102                                         | 00000/0000       | 2-20030/0670        | 08/01/76         | 100          | 7764         | 18.8                               | 47.9                |                      | GGGG                  | 244 86               |
| 06338W                                  | 2718S             | 2397-13232                                         | 00000/0000       | 2-20021/0500        | 02/23/76         | 10           | 5533         | 43.4                               | 77.4                |                      | GGGG                  | 244 86               |
| 06339W                                  | 3723S             | 2431-13135                                         | 00000/0000       | 2-20022/0880        | 03/28/76         | 0            | 6007         | 30.9                               | 57.4                |                      | GGGF                  | 246 79               |
| 06342W                                  | 3713S             | 2647-13073                                         | 00000/0000       | 2-20035/0333        | 10/30/76         | 100          | 9019         | 45.6                               | 69.9                |                      | FFFF                  | 244 86               |
| 06343W                                  | 3306S             | 2558-13145                                         | 00000/0000       | 2-20030/0656        | 08/02/76         | 90           | 7778         | 22.5                               | 48.5                |                      | GGGG                  | 244 86               |
| 06343W                                  | 3716S             | 2629-13081                                         | 00000/0000       | 2-20034/0514        | 10/12/76         | 80           | 8768         | 40.9                               | 63.8                |                      | GGGG                  | 245 83               |
| 06343W                                  | 3718S             | 2665-13065                                         | 00000/0000       | 2-20036/0903        | 11/17/76         | 40           | 9270         | 48.3                               | 76.3                |                      | GGGG                  | 244 86               |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAY | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRIGHT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06343N                                  | 3725S             | 2683-13061                   | 00000/0000                  | 2-20037/0286     | 12/05/76            | 0                | 9521         | 48.8         | 81.6                               |                     |                      |                       |                      |
| 06344N                                  | 8015N             | 2578-18012                   | 2-20033/0038                | 00000/0000       | 08/22/76            | 20               | 8060         | 20.3         | 207.5                              | APG                 | FFFF                 | 244                   | 86                   |
| 06344N                                  | 3018N             | 2479-14014                   | 00000/0000                  | 2-20025/0430     | 05/15/76            | 20               | 6677         | 58.7         | 103.6                              |                     |                      | 49                    | 1                    |
| 06344N                                  | 3300S             | 2522-13155                   | 00000/0000                  | 2-20028/1156     | 06/27/76            | 0                | 7276         | 18.9         | 43.8                               |                     | GGGG                 | 5                     | 39                   |
| 06344N                                  | 3304S             | 2432-13181                   | 00000/0000                  | 2-20022/0959     | 03/29/76            | 10               | 6021         | 33.6         | 58.5                               |                     | GGGG                 | 245                   | 83                   |
| 06344N                                  | 3304S             | 2540-13152                   | 00000/0000                  | 2-20028/1397     | 07/15/76            | 10               | 7527         | 19.8         | 45.7                               |                     | FGFF                 | 245                   | 83                   |
| 06344N                                  | 3305S             | 2576-13142                   | 00000/0000                  | 2-20032/0864     | 08/20/76            | 0                | 8029         | 26.9         | 52.0                               |                     | PPP                  | 245                   | 83                   |
| 06344N                                  | 4133S             | 2394-13103                   | 00000/0000                  | 2-20021/0318     | 02/20/76            | 90               | 5491         | 37.2         | 69.6                               |                     | FFFF                 | 245                   | 83                   |
| 06345N                                  | 7741N             | 2492-16444                   | 00000/0000                  | 2-20026/0390     | 05/28/76            | 10               | 6860         | 33.7         | 189.3                              |                     | PPPP                 | 243                   | 89                   |
| 06345N                                  | 3715S             | 2395-13145                   | 00000/0000                  | 2-20021/0383     | 02/21/76            | 10               | 5525         | 39.2         | 71.4                               |                     | GGFG                 | 36                    | 4                    |
| 06346N                                  | 5557N             | 2576-14314                   | 00000/0000                  | 2-20032/0039     | 08/20/76            | 90               | 8030         | 41.7         | 144.2                              |                     | FFFF                 | 244                   | 86                   |
| 06348N                                  | 5553N             | 2558-14321                   | 00000/0000                  | 2-20030/0631     | 08/02/76            | 50               | 7779         | 46.6         | 140.7                              |                     | GGGG                 | 12                    | 21                   |
| 06348N                                  | 5023N             | 2448-14252                   | 00000/0000                  | 2-20023/0215     | 04/14/76            | 10               | 6245         | 43.3         | 141.4                              |                     | GGGG                 | 12                    | 21                   |
| 06348N                                  | 5020N             | 2718-14165                   | 00000/0000                  | 2-20035/1089     | 01/09/77            | 40               | 10           | 12.4         | 150.4                              |                     | GGGG                 | 10                    | 25                   |
| 06349N                                  | 0714N             | 2583-13423                   | 2-20033/0076                | 00000/0000       | 08/27/76            | 60               | 8127         | 51.9         | 83.2                               |                     | GGGG                 | 10                    | 25                   |
| 06349N                                  | 3259S             | 2396-13132                   | 00000/0000                  | 2-20021/0465     | 02/22/76            | 0                | 5519         | 41.1         | 73.7                               | GGG                 | FFFF                 | 1                     | 55                   |
| 06349N                                  | 3259S             | 2630-13124                   | 00000/0000                  | 2-20034/0698     | 10/13/76            | 30               | 8782         | 43.7         | 66.8                               |                     | GGGG                 | 245                   | 83                   |
| 06349N                                  | 3307S             | 2684-13103                   | 00000/0000                  | 2-20037/0356     | 12/06/76            | 10               | 9535         | 50.1         | 86.2                               |                     | GGGG                 | 245                   | 83                   |
| 06350N                                  | 3304S             | 2666-13112                   | 00000/0000                  | 2-20036/0918     | 11/18/76            | 10               | 9284         | 50.0         | 80.7                               |                     | GGGG                 | 245                   | 83                   |
| 06351N                                  | 5015N             | 2556-14223                   | 00000/0000                  | 2-20030/0426     | 07/31/76            | 60               | 7751         | 50.1         | 132.8                              |                     | GGGG                 | 10                    | 25                   |
| 06351N                                  | 5013N             | 2484-14242                   | 00000/0000                  | 2-20025/1087     | 05/20/76            | 100              | 6747         | 53.2         | 135.2                              |                     | GGFF                 | 10                    | 25                   |
| 06352N                                  | 5310N             | 2575-14265                   | 00000/0000                  | 2-20030/1612     | 08/19/76            | 90               | 8016         | 43.7         | 140.7                              |                     | GGGG                 | 11                    | 23                   |
| 06353N                                  | 5545N             | 2604-14334                   | 00000/0000                  | 2-20024/1268     | 06/09/76            | 90               | 7026         | 52.4         | 140.2                              |                     | FGGG                 | 12                    | 21                   |
| 06353N                                  | 3435N             | 2480-14061                   | 00000/0000                  | 2-20025/0663     | 05/16/76            | 70               | 6691         | 58.3         | 110.8                              |                     | GGGG                 | 6                     | 36                   |
| 06353N                                  | 3302S             | 2378-13195                   | 00000/0000                  | 2-20020/0958     | 02/04/76            | 100              | 5268         | 44.3         | 80.5                               |                     | GGGG                 | 245                   | 83                   |
| 06354N                                  | 0707N             | 2601-13421                   | 2-20033/0184                | 00000/0000       | 09/14/76            | 50               | 8378         | 52.8         | 94.1                               | GGG                 | GGGG                 | 1                     | 55                   |
| 06355N                                  | 7926N             | 2554-17280                   | 2-20031/0011                | 00000/0000       | 07/29/76            | 0                | 7725         | 28.7         | 198.2                              | GGG                 | GGGG                 | 44                    | 2                    |
| 06355N                                  | 5006N             | 2502-14240                   | 00000/0000                  | 2-20024/0964     | 06/07/76            | 10               | 6998         | 55.2         | 131.6                              |                     | GGGG                 | 10                    | 25                   |
| 06355N                                  | 2258S             | 2398-13275                   | 00000/0000                  | 2-20021/0517     | 02/24/76            | 20               | 5547         | 44.8         | 80.5                               |                     | PPPP                 | 247                   | 76                   |
| 06356N                                  | 5005N             | 2520-14233                   | 00000/0000                  | 2-20027/0441     | 06/25/76            | 70               | 7249         | 55.2         | 129.6                              |                     | GGGG                 | 10                    | 25                   |
| 06356N                                  | 4314N             | 2716-14073                   | 00000/0000                  | 2-20038/1101     | 01/07/77            | 100              | 9982         | 17.5         | 147.6                              |                     | GGGG                 | 8                     | 30                   |
| 06356N                                  | 4307N             | 2482-14150                   | 00000/0000                  | 2-20025/0874     | 05/18/76            | 90               | 6719         | 56.1         | 124.6                              |                     | GGFG                 | 8                     | 30                   |
| 06357N                                  | 5007N             | 2412-14263                   | 00000/0000                  | 2-20021/1295     | 03/09/76            | 40               | 5734         | 29.8         | 145.1                              |                     | GGGG                 | 10                    | 25                   |
| 06357N                                  | 1836N             | 2557-13511                   | 2-20033/0140                | 00000/0000       | 08/11/76            | 30               | 7904         | 54.1         | 89.7                               |                     | GGGG                 | 3                     | 47                   |
| 06358N                                  | 1844N             | 2585-13504                   | 2-20033/0101                | 00000/0000       | 08/29/76            | 40               | 8155         | 53.4         | 100.1                              | APG                 | GGG                  | 3                     | 47                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL PRINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO.<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BHRT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------------------------------|------------------|---------------------|----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   |                                               |                  |                     |                |              |              | 123 45678             |                     |                      |                       |                      |
| 06359N                      | 5005N | 2646-14194        | 00000/0000 2-20035/0277                       | 10/29/76         | 100                 | 9006           | 22.6         | 153.7        |                       |                     |                      |                       |                      |
| 06359N                      | 5004N | 2394-14270        | 00000/0000 2-20021/0349                       | 02/20/76         | 10                  | 5492           | 23.2         | 147.1        | GGGG                  |                     |                      | 10                    | 25                   |
| 06359N                      | 4311N | 2698-14031        | 00000/0000 2-20037/1130                       | 12/20/76         | 70                  | 9731           | 17.4         | 150.1        | GGGG                  |                     |                      | 10                    | 25                   |
| 06359N                      | 4309N | 2680-14090        | 00000/0000 2-20036/1737                       | 12/02/76         | 50                  | 9480           | 19.5         | 151.5        | GGGG                  |                     |                      | 8                     | 30                   |
| 06401N                      | 4302N | 2410-14171        | 00000/0000 2-20021/1281                       | 03/07/76         | 40                  | 5715           | 33.7         | 140.2        | GGGG                  |                     |                      | 8                     | 30                   |
| 06401N                      | 4302N | 2644-14102        | 00000/0000 2-20035/0273                       | 10/27/76         | 80                  | 8978           | 28.7         | 149.3        | GGGG                  |                     |                      | 8                     | 30                   |
| 06401N                      | 3855N | 2569-14074        | 2-20033/0223 2-20032/0567                     | 09/02/76         | 20                  | 8211           | 47.6         | 128.9        | GGGG                  |                     |                      | 8                     | 30                   |
| 06401N                      | 3851N | 2481-14104        | 00000/0000 2-20025/0577                       | 05/17/76         | 70                  | 6705           | 57.4         | 117.9        | GGGG                  |                     |                      | 7                     | 33                   |
| 06401N                      | 2844S | 2397-13235        | 00000/0000 2-20021/0501                       | 02/23/76         | 10                  | 5533           | 42.8         | 76.3         | GGGG                  |                     |                      | 7                     | 33                   |
| 06402N                      | 4303N | 2662-14094        | 00000/0000 2-20036/0651                       | 11/14/76         | 100                 | 9229           | 23.5         | 151.3        | GGGG                  |                     |                      | 246                   | 80                   |
| 06404N                      | 3845N | 2409-14124        | 00000/0000 2-20021/1217                       | 03/06/76         | 90                  | 5701           | 35.9         | 137.1        | GGGG                  |                     |                      | 8                     | 30                   |
| 06404N                      | 3841S | 2521-13115        | 00000/0000 2-20028/0207                       | 06/26/76         | 0                   | 7262           | 14.0         | 43.6         | GGGG                  |                     |                      | 7                     | 33                   |
| 06405N                      | 5250N | 2377-14322        | 00000/0000 2-20020/0876                       | 02/03/76         | 100                 | 5255           | 16.0         | 150.8        | GGGG                  |                     |                      | 244                   | 87                   |
| 06405N                      | 3429N | 2408-14082        | 00000/0000 2-20021/1188                       | 03/06/76         | 30                  | 5687           | 38.0         | 134.0        | GGGG                  |                     |                      | 11                    | 23                   |
| 06405N                      | 3845S | 2539-13112        | 00000/0000 2-20028/1520                       | 07/14/76         | 10                  | 7513           | 14.9         | 45.4         | GGGG                  |                     |                      | 5                     | 36                   |
| 06405N                      | 3847S | 2575-13101        | 00000/0000 2-20030/1475                       | 08/19/76         | 0                   | 8015           | 22.2         | 50.9         | GGGG                  |                     |                      | 244                   | 87                   |
| 06405N                      | 3850S | 2557-13105        | 00000/0000 2-20030/0671                       | 08/01/76         | 100                 | 7764           | 17.7         | 47.9         | GGGG                  |                     |                      | 244                   | 87                   |
| 06406N                      | 7926N | 2536-17283        | 2-20029/0312 00000/0000                       | 07/11/76         | 90                  | 7474           | 32.1         | 198.6        | GGGG                  |                     |                      | 244                   | 87                   |
| 06407N                      | 3849S | 2431-13141        | 00000/0000 2-20022/0881                       | 03/28/76         | 0                   | 6007           | 29.9         | 57.1         | GGGG                  |                     |                      | 44                    | 2                    |
| 06409N                      | 8102N | 2572-19093        | 2-20033/0013 00000/0000                       | 08/16/76         | 20                  | 9976           | 20.1         | 224.4        | GGGG                  |                     |                      | 244                   | 87                   |
| 06409N                      | 2852N | 2479-14021        | 00000/0000 2-20025/0431                       | 05/15/76         | 20                  | 6677           | 58.7         | 101.1        | GGGG                  |                     |                      | 49                    | 40                   |
| 06409N                      | 0547N | 2583-13430        | 2-20033/0077 00000/0000                       | 08/27/76         | 80                  | 8127           | 51.4         | 81.4         | GGGG                  |                     |                      | 5                     | 56                   |
| 06409N                      | 3430S | 2432-13184        | 00000/0000 2-20022/0960                       | 03/29/76         | 10                  | 6021           | 32.7         | 58.0         | GGGG                  |                     |                      | 1                     | 56                   |
| 06409N                      | 3432S | 2558-13151        | 00000/0000 2-20030/0657                       | 08/02/76         | 100                 | 7778           | 21.4         | 48.3         | GGGG                  |                     |                      | 245                   | 84                   |
| 06410N                      | 4607N | 2447-14205        | 00000/0000 2-20023/0111                       | 04/13/76         | 10                  | 6231           | 45.6         | 136.9        | GGGG                  |                     |                      | 245                   | 84                   |
| 06410N                      | 4607N | 2405-14202        | 00000/0000 2-20028/1157                       | 05/01/76         | 20                  | 6482           | 51.1         | 133.3        | GGGG                  |                     |                      | 9                     | 28                   |
| 06410N                      | 3426S | 2522-13162        | 00000/0000 2-20028/1157                       | 06/27/76         | 0                   | 7276           | 17.7         | 43.7         | GGGG                  |                     |                      | 9                     | 28                   |
| 06410N                      | 3430S | 2540-13155        | 00000/0000 2-20028/1398                       | 07/15/76         | 40                  | 7527           | 18.6         | 45.6         | GGGG                  |                     |                      | 245                   | 84                   |
| 06410N                      | 3837S | 2647-13080        | 00000/0000 2-20035/0334                       | 10/30/76         | 50                  | 9019           | 44.8         | 68.9         | GGGG                  |                     |                      | 245                   | 84                   |
| 06411N                      | 8041N | 2565-18300        | 2-20033/0133 00000/0000                       | 08/09/76         | 80                  | 7879           | 23.5         | 214.1        | GGGG                  |                     |                      | 244                   | 87                   |
| 06411N                      | 3843S | 2665-13072        | 00000/0000 2-20036/0904                       | 11/17/76         | 30                  | 9270           | 47.6         | 75.1         | GGGG                  |                     |                      | 37                    | 248                  |
| 06411N                      | 3850S | 2653-13063        | 00000/0000 2-20037/0287                       | 12/05/76         | 0                   | 9521           | 48.3         | 80.3         | GGGG                  |                     |                      | 244                   | 87                   |
| 06412N                      | 3430S | 2594-13141        | 00000/0000 2-20032/0998                       | 09/07/76         | 90                  | 8280           | 31.3         | 55.6         | GGGG                  |                     |                      | 244                   | 87                   |
| 06412N                      | 4306S | 2430-13095        | 00000/0000 2-20022/0729                       | 03/27/76         | 0                   | 5993           | 27.0         | 56.5         | GGGG                  |                     |                      | 243                   | 90                   |
| 06413N                      | 3840S | 2395-13152        | 00000/0000 2-20021/0384                       | 02/21/76         | 10                  | 5505           | 38.5         | 70.6         | GGGG                  |                     |                      | 244                   | 87                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
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FOR NON-US  
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| PRINCIPAL PRINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | RBV                                     |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 06414W                      | 4605N             | 2573-14173                              | 00000/0000       | 2-20030/1432        | 08/17/76        | 70           | 7988         | 48.2                  | 131.7               |                      |                       |                      |
| 06414W                      | 4555N             | 2483-14200                              | 00000/0000       | 2-20025/0904        | 05/19/76        | 60           | 6733         | 55.1                  | 129.0               |                      |                       |                      |
| 06414W                      | 0540N             | 2601-13423                              | 2-20033/0185     | 00000/0000          | 09/14/76        | 50           | 8378         | 52.6                  | 92.1                |                      |                       |                      |
| 06415W                      | 4602N             | 2429-14213                              | 00000/0000       | 2-20022/0493        | 03/26/76        | 60           | 5980         | 39.0                  | 139.7               |                      |                       |                      |
| 06415W                      | 3425S             | 2396-13195                              | 00000/0000       | 2-20021/0466        | 02/22/76        | 0            | 5519         | 40.4                  | 72.7                |                      |                       |                      |
| 06415W                      | 3425S             | 2630-13131                              | 00000/0000       | 2-20034/0699        | 10/13/76        | 60           | 8782         | 42.9                  | 65.9                |                      |                       |                      |
| 06415W                      | 3432S             | 2684-13110                              | 00000/0000       | 2-20037/0357        | 12/06/76        | 60           | 9535         | 49.7                  | 84.7                |                      |                       |                      |
| 06415W                      | 4257S             | 2394-13175                              | 00000/0000       | 2-20021/0319        | 12/20/76        | 90           | 5491         | 36.4                  | 68.9                |                      |                       |                      |
| 06416W                      | 4605N             | 2717-14122                              | 00000/0000       | 2-20034/1082        | 01/08/77        | 90           | 9996         | 15.5                  | 148.6               |                      |                       |                      |
| 06416W                      | 4604N             | 2591-14170                              | 00000/0000       | 2-20037/0767        | 09/04/76        | 20           | 8239         | 43.3                  | 137.5               |                      |                       |                      |
| 06416W                      | 4559N             | 2555-14180                              | 00000/0000       | 2-20030/0563        | 07/30/76        | 70           | 7737         | 52.2                  | 126.5               |                      |                       |                      |
| 06416W                      | 3429S             | 2666-13114                              | 00000/0000       | 2-20034/0919        | 11/18/76        | 10           | 9284         | 49.5                  | 79.3                |                      |                       |                      |
| 06417W                      | 2424S             | 2398-13282                              | 00000/0000       | 2-20021/0513        | 02/24/76        | 20           | 5547         | 44.3                  | 79.3                |                      |                       |                      |
| 06418W                      | 4552N             | 2519-14190                              | 00000/0000       | 2-20028/0013        | 06/24/76        | 20           | 7235         | 56.9                  | 122.6               |                      |                       |                      |
| 06419W                      | 8044N             | 2584-18351                              | 2-20033/0051     | 00000/0000          | 08/28/76        | 10           | 8144         | 17.1                  | 215.8               |                      |                       |                      |
| 06419W                      | 4553N             | 2501-14193                              | 00000/0000       | 2-20026/1210        | 06/06/76        | 10           | 6984         | 57.0                  | 124.8               |                      |                       |                      |
| 06419W                      | 4551N             | 2411-14220                              | 00000/0000       | 2-20021/1341        | 03/08/76        | 30           | 5729         | 32.2                  | 142.1               |                      |                       |                      |
| 06419W                      | 3309N             | 2480-14067                              | 00000/0000       | 2-20025/0664        | 05/16/76        | 20           | 6691         | 58.5                  | 108.3               |                      |                       |                      |
| 06419W                      | 1717N             | 2585-13510                              | 2-20033/0102     | 00000/0000          | 08/29/76        | 40           | 8155         | 53.4                  | 98.0                |                      |                       |                      |
| 06419W                      | 1709N             | 2567-13514                              | 2-20033/0141     | 00000/0000          | 08/11/76        | 50           | 7904         | 53.8                  | 87.7                |                      |                       |                      |
| 06420W                      | 7736N             | 2510-16441                              | 00000/0000       | 2-20026/1257        | 06/15/76        | 10           | 7111         | 35.7                  | 187.7               |                      |                       |                      |
| 06420W                      | 4552N             | 2645-14152                              | 00000/0000       | 2-20035/0286        | 10/25/76        | 20           | 8592         | 26.2                  | 151.1               |                      |                       |                      |
| 06421W                      | 4551N             | 2393-14223                              | 00000/0000       | 2-20021/0177        | 02/19/76        | 100          | 5478         | 25.8                  | 144.6               |                      |                       |                      |
| 06421W                      | 3015S             | 2433-13231                              | 00000/0000       | 2-20022/1009        | 03/30/76        | 20           | 6035         | 35.3                  | 59.2                |                      |                       |                      |
| 06423W                      | 3309N             | 2426-14041                              | 00000/0000       | 2-20022/1295        | 03/23/76        | 60           | 5938         | 44.9                  | 128.0               |                      |                       |                      |
| 06425W                      | 4856N             | 2466-14252                              | 00000/0000       | 2-20024/1281        | 05/02/76        | 100          | 6496         | 49.9                  | 136.8               |                      |                       |                      |
| 06426W                      | 4859N             | 2448-14255                              | 00000/0000       | 2-20023/0216        | 04/14/76        | 30           | 6245         | 44.2                  | 139.9               |                      |                       |                      |
| 06426W                      | 4856N             | 2718-14171                              | 00000/0000       | 2-20034/1090        | 01/09/77        | 40           | 10           | 13.5                  | 149.7               |                      |                       |                      |
| 06427W                      | 4149N             | 2716-14075                              | 00000/0000       | 2-20038/1102        | 01/07/77        | 90           | 9982         | 18.5                  | 146.9               |                      |                       |                      |
| 06427W                      | 4141N             | 2482-14153                              | 00000/0000       | 2-20025/0875        | 05/18/76        | 90           | 6719         | 56.6                  | 122.3               |                      |                       |                      |
| 06428W                      | 4855N             | 2700-14180                              | 00000/0000       | 2-20037/0699        | 12/22/76        | 70           | 9759         | 12.9                  | 152.3               |                      |                       |                      |
| 06429W                      | 4856N             | 2592-14215                              | 00000/0000       | 2-20037/0854        | 09/05/76        | 80           | 8253         | 41.3                  | 140.8               |                      |                       |                      |
| 06429W                      | 4855N             | 2574-14222                              | 00000/0000       | 2-20030/1509        | 08/18/76        | 20           | 8002         | 46.5                  | 135.5               |                      |                       |                      |
| 06429W                      | 4851N             | 2430-14262                              | 00000/0000       | 2-20027/0820        | 03/27/76        | 90           | 5994         | 37.6                  | 142.1               |                      |                       |                      |
| 06429W                      | 4849N             | 2454-14245                              | 00000/0000       | 2-20025/1088        | 05/20/76        | 60           | 6747         | 53.9                  | 133.1               |                      |                       |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   |                              |                             |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 06429W                      | 3729N | 2589-14080        | 2-20033/0224                 | 2-20032/0568                | 09/02/76         | 40                  | 8211            | 48.3         | 127.3        | GGG FGGG              |                     |                      | 7                     | 34                   |
| 06429W                      | 3726N | 2431-14110        | 00000/0000                   | 2-20025/0578                | 05/17/76         | 70                  | 6705            | 57.8         | 115.4        | GGG FGGG              |                     |                      | 7                     | 34                   |
| 06430W                      | 8005N | 2541-17554        | 2-20030/1864                 | 00000/0000                  | 07/16/76         | 20                  | 7544            | 30.3         | 205.4        | GGG                   |                     |                      | 49                    | 1                    |
| 06430W                      | 4851N | 2556-14225        | 00000/0000                   | 2-20030/0427                | 07/31/76         | 60                  | 7751            | 50.8         | 130.8        | GGG                   |                     |                      | 10                    | 26                   |
| 06430W                      | 4145N | 2698-14084        | 00000/0000                   | 2-20037/1131                | 12/20/76         | 40                  | 9731            | 18.5         | 149.5        | GGG                   |                     |                      | 8                     | 31                   |
| 06430W                      | 4144N | 2680-14092        | 00000/0000                   | 2-20036/1758                | 12/02/76         | 70                  | 9480            | 20.6         | 150.8        | GGG                   |                     |                      | 8                     | 31                   |
| 06431W                      | 7932N | 2573-17331        | 2-20033/0018                 | 00000/0000                  | 08/17/76         | 80                  | 7990            | 23.2         | 199.3        | GGF                   |                     |                      | 44                    | 2                    |
| 06431W                      | 3302N | 2408-14084        | 00000/0000                   | 2-20021/1189                | 03/05/76         | 30                  | 5687            | 38.8         | 132.9        | GGG                   |                     |                      | 6                     | 37                   |
| 06432W                      | 7931N | 2591-17324        | 2-20033/0117                 | 00000/0000                  | 09/04/76         | 50                  | 8241            | 16.9         | 199.8        | GGG                   |                     |                      | 44                    | 2                    |
| 06432W                      | 7931N | 2609-17321        | 2-20034/1206                 | 00000/0000                  | 09/22/76         | 20                  | 8492            | 9.9          | 200.8        | GGG                   |                     |                      | 44                    | 2                    |
| 06432W                      | 4845N | 2538-14233        | 00000/0000                   | 2-20028/1329                | 07/13/76         | 70                  | 7500            | 54.0         | 127.8        | GGG                   |                     |                      | 10                    | 26                   |
| 06432W                      | 4137N | 2410-14174        | 00000/0000                   | 2-20021/1282                | 03/07/76         | 40                  | 5715            | 34.5         | 139.1        | GGG                   |                     |                      | 8                     | 31                   |
| 06432W                      | 4137N | 2644-14105        | 00000/0000                   | 2-20035/0274                | 10/27/76         | 60                  | 8978            | 29.7         | 148.5        | GGG                   |                     |                      | 8                     | 31                   |
| 06432W                      | 3720N | 2409-14131        | 00000/0000                   | 2-20021/1218                | 03/06/76         | 50                  | 5701            | 36.8         | 136.0        | GGG                   |                     |                      | 7                     | 34                   |
| 06433W                      | 5144N | 2467-14301        | 00000/0000                   | 2-20024/1351                | 05/03/76         | 10                  | 6510            | 48.5         | 140.3        | GG                    |                     |                      | 11                    | 24                   |
| 06433W                      | 4851N | 2610-14212        | 00000/0000                   | 2-20032/1684                | 09/23/76         | 20                  | 8504            | 35.6         | 145.8        | FGFF                  |                     |                      | 10                    | 26                   |
| 06433W                      | 4847N | 2682-14184        | 00000/0000                   | 2-20036/1372                | 12/04/76         | 10                  | 9508            | 14.8         | 153.9        | GGG                   |                     |                      | 10                    | 26                   |
| 06433W                      | 4842N | 2502-14242        | 00000/0000                   | 2-20026/0965                | 06/07/76         | 10                  | 6998            | 55.9         | 129.3        | GGG                   |                     |                      | 10                    | 26                   |
| 06433W                      | 4138N | 2662-14101        | 00000/0000                   | 2-20036/0652                | 11/14/76         | 90                  | 9229            | 24.6         | 150.6        | GGG                   |                     |                      | 8                     | 31                   |
| 06434W                      | 5433N | 2576-14321        | 00000/0000                   | 2-20032/0040                | 08/20/76         | 40                  | 8030            | 42.6         | 142.6        | GGG                   |                     |                      | 12                    | 22                   |
| 06434W                      | 4843N | 2412-14270        | 00000/0000                   | 2-20021/1296                | 03/09/76         | 30                  | 5734            | 30.7         | 144.1        | GGG                   |                     |                      | 10                    | 26                   |
| 06434W                      | 4840N | 2520-14240        | 00000/0000                   | 2-20027/0442                | 06/25/76         | 90                  | 7249            | 55.8         | 127.3        | GGG                   |                     |                      | 10                    | 26                   |
| 06435W                      | 5429N | 2558-14324        | 00000/0000                   | 2-20030/0632                | 08/02/76         | 50                  | 7779            | 47.4         | 138.9        | GGG                   |                     |                      | 12                    | 22                   |
| 06435W                      | 5146N | 2575-14271        | 00000/0000                   | 2-20030/1613                | 08/19/76         | 20                  | 8016            | 44.6         | 139.1        | GGG                   |                     |                      | 11                    | 24                   |
| 06435W                      | 4842N | 2664-14193        | 00000/0000                   | 2-20036/0739                | 11/16/76         | 60                  | 9257            | 18.6         | 154.2        | GGG                   |                     |                      | 10                    | 26                   |
| 06436W                      | 4841N | 2646-14201        | 00000/0000                   | 2-20035/0278                | 10/29/76         | 90                  | 9006            | 23.7         | 152.9        | GGG                   |                     |                      | 10                    | 26                   |
| 06436W                      | 3555S | 2432-13190        | 00000/0000                   | 2-20022/0961                | 03/29/76         | 0                   | 6021            | 31.7         | 57.5         | GGFG                  |                     |                      | 245                   | 85                   |
| 06436W                      | 3556S | 2540-13161        | 00000/0000                   | 2-20028/1339                | 07/15/76         | 30                  | 7527            | 17.4         | 45.5         | FFF                   |                     |                      | 245                   | 85                   |
| 06436W                      | 4014S | 2431-13144        | 00000/0000                   | 2-20022/0882                | 03/28/76         | 0                   | 6007            | 28.8         | 56.7         | FFFF                  |                     |                      | 244                   | 88                   |
| 06437W                      | 4840N | 2394-14273        | 00000/0000                   | 2-20021/0350                | 02/20/76         | 20                  | 5492            | 24.2         | 146.2        | FGGG                  |                     |                      | 10                    | 26                   |
| 06438W                      | 7922N | 2518-17290        | 2-20029/0201                 | 00000/0000                  | 06/23/76         | 40                  | 7223            | 33.6         | 199.1        | GGG                   |                     |                      | 45                    | 2                    |
| 06439W                      | 1001N | 2502-13470        | 2-20033/0190                 | 00000/0000                  | 09/15/76         | 20                  | 8392            | 52.9         | 98.7         | GGG                   |                     |                      | 2                     | 53                   |
| 06440W                      | 5421N | 2504-14341        | 00000/0000                   | 2-20026/1269                | 06/09/76         | 70                  | 7026            | 53.2         | 138.1        | GGGG                  |                     |                      | 12                    | 22                   |
| 06440W                      | 5130N | 2503-14292        | 00000/0000                   | 2-20026/1278                | 06/08/76         | 90                  | 7012            | 54.6         | 133.7        | GGGG                  |                     |                      | 11                    | 24                   |
| 06440W                      | 2550S | 2398-13234        | 00000/0000                   | 2-20021/0519                | 02/24/76         | 20                  | 5547            | 43.8         | 78.1         | FFFF                  |                     |                      | 247                   | 78                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NO. 1. | FRAME<br>RBV<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------------------------|------------------|---------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-------------------------|----------------------|
| 06441N                      | 5418N | 2540-14331 | 00000/0000        | 2-20028/1521                                   | 07/15/76         | 50                  | 7528          | 51.0         | 136.5        |                                    |                     |                      |                         |                      |
| 06441N                      | 5132N | 2395-14322 | 00000/0000        | 2-20021/0213                                   | 02/21/76         | 10                  | 5506          | 22.6         | 147.9        | GGGG                               |                     |                      | 12                      | 22                   |
| 06441N                      | 3550S | 2630-13133 | 00000/0000        | 2-20034/0700                                   | 10/13/76         | 90                  | 8782          | 42.1         | 65.0         | GGGG                               |                     |                      | 11                      | 24                   |
| 06441N                      | 3559S | 2702-13104 | 00000/0000        | 2-20037/1286                                   | 12/24/76         | 50                  | 9786          | 47.8         | 86.0         | FGGG                               |                     |                      | 245                     | 85                   |
| 06442N                      | 3550S | 2396-13201 | 00000/0000        | 2-20021/0467                                   | 02/22/76         | 0                   | 5519          | 39.7         | 71.9         | GGGG                               |                     |                      | 245                     | 85                   |
| 06443N                      | 4442N | 2465-14205 | 00000/0000        | 2-20024/0948                                   | 05/01/76         | 20                  | 6482          | 51.8         | 131.4        | FFFF                               |                     |                      | 245                     | 85                   |
| 06443N                      | 3133S | 2523-13211 | 00000/0000        | 2-20028/0354                                   | 06/28/76         | 0                   | 7290          | 20.1         | 44.0         | FGGG                               |                     |                      | 9                       | 29                   |
| 06443N                      | 3555S | 2666-13121 | 00000/0000        | 2-20036/0920                                   | 11/18/76         | 20                  | 9284          | 48.9         | 77.9         | GGGG                               |                     |                      | 246                     | 82                   |
| 06443N                      | 3557S | 2684-13112 | 00000/0000        | 2-20037/0358                                   | 12/06/76         | 50                  | 9535          | 49.3         | 83.3         | FFFF                               |                     |                      | 245                     | 85                   |
| 06444N                      | 4441N | 2447-14212 | 00000/0000        | 2-20023/0112                                   | 04/13/76         | 10                  | 6231          | 46.4         | 135.3        | GGGG                               |                     |                      | 245                     | 85                   |
| 06444N                      | 3130S | 2505-13214 | 00000/0000        | 2-20026/1233                                   | 06/10/76         | 10                  | 7039          | 21.0         | 43.3         | GGGG                               |                     |                      | 9                       | 29                   |
| 06444N                      | 3137S | 2541-13204 | 00000/0000        | 2-20028/1593                                   | 07/16/76         | 0                   | 7541          | 21.1         | 46.0         | FFFF                               |                     |                      | 246                     | 82                   |
| 06445N                      | 4432S | 2430-13101 | 00000/0000        | 2-20022/0730                                   | 03/27/76         | 0                   | 5993          | 26.0         | 56.3         | FGGG                               |                     |                      | 246                     | 82                   |
| 06445N                      | 8038N | 2529-18310 | 2-20033/0094      | 00000/0000                                     | 07/04/76         | 60                  | 7377          | 30.7         | 214.6        | FFF                                |                     |                      | 243                     | 91                   |
| 06445N                      | 3143N | 2480-14070 | 00000/0000        | 2-20025/0665                                   | 05/16/76         | 10                  | 6691          | 58.6         | 105.7        | GGG                                |                     |                      | 37                      | 248                  |
| 06445N                      | 3552S | 2378-13204 | 00000/0000        | 2-20020/0959                                   | 02/04/76         | 10                  | 5268          | 43.3         | 78.3         | GGGG                               |                     |                      | 6                       | 38                   |
| 06446N                      | 3141S | 2433-13233 | 00000/0000        | 2-20022/1010                                   | 03/30/76         | 10                  | 6035          | 34.4         | 58.6         | FGGG                               |                     |                      | 245                     | 85                   |
| 06447N                      | 5126N | 2377-14325 | 00000/0000        | 2-20020/0877                                   | 02/03/76         | 100                 | 5255          | 17.1         | 150.0        | PPPP                               |                     |                      | 246                     | 82                   |
| 06447N                      | 4440N | 2573-14175 | 00000/0000        | 2-20030/1433                                   | 08/17/76         | 40                  | 7988          | 48.9         | 129.9        | FGGG                               |                     |                      | 11                      | 24                   |
| 06447N                      | 4434N | 2483-14202 | 00000/0000        | 2-20025/0905                                   | 05/19/76         | 90                  | 6733          | 55.7         | 126.7        | FGGG                               |                     |                      | 9                       | 29                   |
| 06448N                      | 3143N | 2426-14083 | 00000/0000        | 2-20022/1296                                   | 03/23/76         | 30                  | 5938          | 45.6         | 126.5        | GGGG                               |                     |                      | 9                       | 29                   |
| 06448N                      | 4422S | 2394-13112 | 00000/0000        | 2-20021/0320                                   | 02/20/76         | 90                  | 5491          | 35.6         | 68.3         | GGGG                               |                     |                      | 6                       | 38                   |
| 06449N                      | 4439V | 2717-14125 | 00000/0000        | 2-20038/1083                                   | 01/08/77         | 90                  | 9996          | 16.5         | 148.0        | FGGG                               |                     |                      | 243                     | 91                   |
| 06449N                      | 4434N | 2555-14113 | 00000/0000        | 2-20030/0564                                   | 07/30/76         | 80                  | 7737          | 52.8         | 124.4        | GGGG                               |                     |                      | 9                       | 29                   |
| 06449N                      | 3134S | 2613-13183 | 00000/0000        | 2-20034/0100                                   | 09/26/76         | 20                  | 8545          | 39.5         | 62.0         | FFFF                               |                     |                      | 246                     | 82                   |
| 06449N                      | 3135S | 2397-13244 | 00000/0000        | 2-20021/0502                                   | 02/23/76         | 0                   | 5533          | 41.5         | 74.2         | FFFF                               |                     |                      | 246                     | 82                   |
| 06450N                      | 8044N | 2566-18354 | 2-20033/0137      | 00000/0000                                     | 08/10/76         | 90                  | 7893          | 23.1         | 215.0        | G                                  |                     |                      | 43                      | 247                  |
| 06450N                      | 8003N | 2523-17571 | 2-20029/0236      | 00000/0000                                     | 06/28/76         | 40                  | 7293          | 32.3         | 206.1        | GGG                                |                     |                      | 50                      | 1                    |
| 06450N                      | 4438N | 2591-14172 | 00000/0000        | 2-20032/0768                                   | 09/04/76         | 10                  | 8239          | 44.1         | 136.0        | GGGG                               |                     |                      | 9                       | 29                   |
| 06450N                      | 4437N | 2429-14215 | 00000/0000        | 2-20022/0499                                   | 03/26/76         | 30                  | 5980          | 39.9         | 138.4        | GGGG                               |                     |                      | 9                       | 29                   |
| 06450N                      | 3133S | 2631-13140 | 00000/0000        | 2-20034/0728                                   | 10/14/76         | 10                  | 8796          | 44.8         | 68.2         | GGGG                               |                     |                      | 246                     | 82                   |
| 06450N                      | 3139S | 2667-13164 | 00000/0000        | 2-20036/1066                                   | 11/19/76         | 0                   | 9298          | 50.5         | 82.5         | GGGG                               |                     |                      | 246                     | 82                   |
| 06450N                      | 3140S | 2685-13155 | 00000/0000        | 2-20037/0382                                   | 12/07/76         | 10                  | 9549          | 50.4         | 88.0         | GGGG                               |                     |                      | 246                     | 82                   |
| 06451N                      | 4428N | 2519-14193 | 00000/0000        | 2-20028/0014                                   | 06/24/76         | 30                  | 7235          | 57.4         | 120.1        | GGGG                               |                     |                      | 9                       | 29                   |
| 06452N                      | 7843N | 2605-17095 | 2-20033/0201      | 00000/0000                                     | 09/18/76         | 60                  | 8436          | 12.6         | 194.5        | GGF                                |                     |                      | 40                      | 3                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1283

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN REEL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 06452W                      | 4434N | 2681-14141        | 00000/0000            | 2-20036/1760         | 12/03/76         | 50                  | 9494            | 18.3         | 152.1        | GGGG                  |                     |                      | 9                     | 29                   |
| 06452W                      | 4428N | 2501-14200        | 00000/0000            | 2-20024/1211         | 06/06/76         | 20                  | 6984            | 57.5         | 122.3        | GGGF                  |                     |                      | 9                     | 29                   |
| 06453W                      | 4426N | 2411-14223        | 00000/0000            | 2-20021/1342         | 03/08/76         | 50                  | 5729            | 33.1         | 141.1        | GGGG                  |                     |                      | 9                     | 29                   |
| 06455W                      | 4427N | 2393-14230        | 00000/0000            | 2-20021/0178         | 02/19/76         | 90                  | 5478            | 26.8         | 143.8        | FGFG                  |                     |                      | 9                     | 29                   |
| 06455W                      | 4427N | 2645-14154        | 00000/0000            | 2-20035/0287         | 10/28/76         | 50                  | 8992            | 27.3         | 150.3        | GGGG                  |                     |                      | 9                     | 29                   |
| 06455W                      | 3601N | 2481-14113        | 00000/0000            | 2-20025/0579         | 05/17/76         | 70                  | 6705            | 58.1         | 112.9        | GGGG                  |                     |                      | 7                     | 35                   |
| 06455W                      | 3138S | 2379-13251        | 00000/0000            | 2-20021/0071         | 02/05/76         | 30                  | 5282            | 44.6         | 81.3         | FFGF                  |                     |                      | 246                   | 82                   |
| 06456W                      | 8059N | 2535-19045        | 2-20029/0308          | 00000/0000           | 07/10/76         | 90                  | 7441            | 28.9         | 223.2        | F G                   |                     |                      | 50                    | 246                  |
| 06456W                      | 3603N | 2589-14033        | 2-20033/0225          | 2-20032/0569         | 09/02/76         | 20                  | 8211            | 48.9         | 125.6        | GGG                   |                     |                      | 7                     | 35                   |
| 06456W                      | 3136N | 2408-14091        | 00000/0000            | 2-20021/1190         | 03/05/76         | 10                  | 5687            | 39.6         | 131.7        | GGGG                  |                     |                      | 6                     | 38                   |
| 06457W                      | 4016N | 2482-14155        | 00000/0000            | 2-20025/0876         | 05/18/76         | 90                  | 6719            | 57.1         | 119.9        | GGGG                  |                     |                      | 8                     | 32                   |
| 06459W                      | 8016N | 2579-18070        | 2-20033/0044          | 00000/0000           | 08/23/76         | 90                  | 8074            | 19.9         | 207.7        | GGG                   |                     |                      | 37                    | 248                  |
| 06459W                      | 0835N | 2602-13472        | 2-20033/0191          | 00000/0000           | 09/15/76         | 50                  | 8392            | 52.9         | 96.7         | GGG                   |                     |                      | 2                     | 54                   |
| 06500W                      | 3554N | 2409-14133        | 00000/0000            | 2-20021/1219         | 03/06/76         | 40                  | 5701            | 37.6         | 134.9        | FFGG                  |                     |                      | 7                     | 35                   |
| 06500W                      | 2133S | 2399-13331        | 00000/0000            | 2-20021/0579         | 02/25/76         | 40                  | 5561            | 45.1         | 81.3         | FFFF                  |                     |                      | 248                   | 75                   |
| 06501W                      | 4012N | 2410-14130        | 00000/0000            | 2-20021/1283         | 03/07/76         | 40                  | 5715            | 35.4         | 138.0        | GGGG                  |                     |                      | 8                     | 32                   |
| 06503W                      | 2143S | 2381-13334        | 00000/0000            | 2-20020/1181         | 02/07/76         | 50                  | 5310            | 46.9         | 89.7         | GGGG                  |                     |                      | 248                   | 75                   |
| 06503W                      | 2716S | 2398-13291        | 00000/0000            | 2-20021/0520         | 02/24/76         | 20                  | 5547            | 43.2         | 76.9         | FFFF                  |                     |                      | 247                   | 79                   |
| 06503W                      | 3717S | 2522-13171        | 00000/0000            | 2-20024/1158         | 06/27/76         | 0                   | 7276            | 15.2         | 43.7         | FFGG                  |                     |                      | 245                   | 86                   |
| 06503W                      | 3721S | 2432-13193        | 00000/0000            | 2-20022/0962         | 03/29/76         | 0                   | 6021            | 30.6         | 57.1         | PPPP                  |                     |                      | 245                   | 86                   |
| 06503W                      | 3722S | 2540-13154        | 00000/0000            | 2-20024/1400         | 07/15/76         | 80                  | 7527            | 16.2         | 45.5         | FFF                   |                     |                      | 245                   | 86                   |
| 06506W                      | 4139S | 2431-13150        | 00000/0000            | 2-20022/0883         | 03/28/76         | 10                  | 6007            | 27.8         | 56.4         | FFFF                  |                     |                      | 244                   | 89                   |
| 06508W                      | 1948N | 2536-13560        | 2-20033/0106          | 00000/0000           | 08/30/76         | 50                  | 8169            | 53.3         | 102.2        | GGG                   |                     |                      | 4                     | 46                   |
| 06508W                      | 3259S | 2487-13223        | 00000/0000            | 2-20025/1123         | 05/23/76         | 100                 | 6788            | 22.1         | 44.2         | GGGG                  |                     |                      | 246                   | 83                   |
| 06508W                      | 3259S | 2523-13213        | 00000/0000            | 2-20028/0355         | 06/28/76         | 0                   | 7290            | 18.9         | 43.9         | FFFF                  |                     |                      | 246                   | 83                   |
| 06509W                      | 3255S | 2505-13220        | 00000/0000            | 2-20026/1234         | 06/10/76         | 10                  | 7039            | 19.8         | 43.2         | GGGG                  |                     |                      | 246                   | 83                   |
| 06509W                      | 3303S | 2541-13210        | 00000/0000            | 2-20024/1594         | 07/16/76         | 0                   | 7541            | 19.9         | 45.8         | GGGF                  |                     |                      | 246                   | 83                   |
| 06509W                      | 3304S | 2577-13200        | 00000/0000            | 2-20030/1678         | 08/21/76         | 0                   | 8043            | 27.2         | 52.2         | FFFF                  |                     |                      | 246                   | 83                   |
| 06509W                      | 3307S | 2559-13203        | 00000/0000            | 2-20030/0747         | 08/03/76         | 100                 | 7792            | 22.7         | 48.7         | GGGG                  |                     |                      | 246                   | 83                   |
| 06509W                      | 3715S | 2630-13140        | 00000/0000            | 2-20034/0701         | 10/13/76         | 100                 | 8782            | 41.2         | 64.2         | FGGG                  |                     |                      | 245                   | 86                   |
| 06510W                      | 7928N | 2555-17334        | 2-20031/0016          | 00000/0000           | 07/30/76         | 50                  | 7739            | 28.4         | 198.4        | GG                    |                     |                      | 45                    | 2                    |
| 06510W                      | 3016N | 2480-14072        | 00000/0000            | 2-20025/0666         | 05/16/76         | 10                  | 6691            | 58.8         | 103.2        | GGGG                  |                     |                      | 6                     | 39                   |
| 06510W                      | 3716S | 2396-13204        | 00000/0000            | 2-20021/0468         | 02/22/76         | 0                   | 5519            | 39.0         | 71.0         | PPPP                  |                     |                      | 245                   | 86                   |
| 06510W                      | 3722S | 2684-13115        | 00000/0000            | 2-20037/0359         | 12/06/76         | 10                  | 5535            | 48.8         | 81.9         | GGGG                  |                     |                      | 245                   | 86                   |
| 06511W                      | 2725S | 2350-13294        | 00000/0000            | 2-20020/1113         | 02/06/76         | 10                  | 5296            | 45.8         | 84.6         | PPPF                  |                     |                      | 247                   | 79                   |

KEYS: CLOUD COVER 4 ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1284

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RVS MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | RVS                                     |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 06511N                      | 3720S             | 2666-13123                              | 00000/0000       | 2-20036/0921        | 11/18/76        | 10           | 9284         | 48.4                  | 76.6                |                      |                       |                      |
| 06512W                      | 7843N             | 2557-17112                              | 2-20033/0165     | 00000/0000          | 08/31/76        | 60           | 8185         | 19.5                  | 193.2               | GGGG                 | 245                   | 86                   |
| 06512W                      | 3717S             | 2378-13210                              | 00000/0000       | 2-20020/0960        | 02/04/76        | 20           | 5268         | 42.7                  | 77.2                | G                    | 41                    | 3                    |
| 06513W                      | 6022N             | 2449-14310                              | 00000/0000       | 2-20023/0227        | 04/15/76        | 10           | 6259         | 43.7                  | 141.3               | FFFF                 | 245                   | 86                   |
| 06513W                      | 5020N             | 2467-14303                              | 00000/0000       | 2-20024/1362        | 05/03/76        | 50           | 6510         | 49.3                  | 138.5               | GGGG                 | 11                    | 25                   |
| 06513W                      | 3017N             | 2426-14090                              | 00000/0000       | 2-20027/1297        | 03/23/76        | 20           | 5938         | 46.2                  | 125.0               | GGGG                 | 11                    | 25                   |
| 06514W                      | 5017N             | 2431-14314                              | 00000/0000       | 2-20027/0801        | 03/28/76        | 100          | 6008         | 37.1                  | 143.3               | FFGG                 | 6                     | 39                   |
| 06514W                      | 1713S             | 2526-13341                              | 00000/0000       | 2-20028/0268        | 07/01/76        | 20           | 7332         | 32.0                  | 47.3                | FGGG                 | 11                    | 25                   |
| 06514W                      | 3259S             | 2613-13130                              | 00000/0000       | 2-20034/0101        | 09/26/76        | 30           | 8545         | 38.6                  | 61.2                | GGGG                 | 249                   | 72                   |
| 06514W                      | 3301S             | 2397-13250                              | 00000/0000       | 2-20021/0503        | 02/23/76        | 0            | 5533         | 40.9                  | 73.2                | FFFF                 | 246                   | 83                   |
| 06515W                      | 3259S             | 2631-13132                              | 00000/0000       | 2-20034/0729        | 10/14/76        | 0            | 8796         | 44.0                  | 67.2                | FFFF                 | 246                   | 83                   |
| 06515W                      | 3304S             | 2667-13170                              | 00000/0000       | 2-20036/1067        | 11/19/76        | 0            | 9298         | 50.1                  | 81.1                | GGGG                 | 246                   | 83                   |
| 06515W                      | 4132S             | 2377-13164                              | 00000/0000       | 2-20020/0846        | 02/03/76        | 80           | 5254         | 41.0                  | 74.7                | FFFF                 | 246                   | 83                   |
| 06516W                      | 8007N             | 2614-18002                              | 2-20034/1228     | 00000/0000          | 09/27/76        | 50           | 8562         | 6.9                   | 207.4               | GGGG                 | 244                   | 89                   |
| 06516W                      | 5021N             | 2575-14274                              | 00000/0000       | 2-20030/1614        | 08/19/76        | 10           | 8016         | 45.4                  | 137.5               | GGG                  | 50                    | 1                    |
| 06516W                      | 4317N             | 2465-14211                              | 00000/0000       | 2-20020/0949        | 05/01/76        | 10           | 6482         | 52.5                  | 129.4               | GGGG                 | 11                    | 25                   |
| 06516W                      | 3306S             | 2685-13162                              | 00000/0000       | 2-20037/0383        | 12/07/76        | 20           | 9549         | 50.0                  | 86.4                | GGGG                 | 9                     | 30                   |
| 06517W                      | 4316N             | 2447-14214                              | 00000/0000       | 2-20023/0113        | 04/13/76        | 30           | 6231         | 47.1                  | 133.7               | FFFG                 | 246                   | 83                   |
| 06517W                      | 1853N             | 2460-13595                              | 00000/0000       | 2-20024/0596        | 04/26/76        | 30           | 6412         | 56.3                  | 93.6                | GGGG                 | 9                     | 30                   |
| 06517W                      | 4556S             | 2430-13114                              | 00000/0000       | 2-20027/0731        | 03/27/76        | 10           | 5993         | 24.9                  | 56.2                | GGGG                 | 4                     | 47                   |
| 06518W                      | 2301S             | 2417-13330                              | 00000/0000       | 2-20021/1634        | 03/14/76        | 10           | 5812         | 42.4                  | 70.9                | GFF                  | 243                   | 92                   |
| 06519W                      | 5309N             | 2576-14323                              | 00000/0000       | 2-20037/0041        | 08/20/76        | 10           | 8030         | 43.5                  | 141.0               | GGGG                 | 248                   | 76                   |
| 06519W                      | 4315N             | 2573-14152                              | 00000/0000       | 2-20030/1434        | 08/17/76        | 30           | 7988         | 49.5                  | 128.1               | GGGG                 | 12                    | 23                   |
| 06519W                      | 4309N             | 2463-14205                              | 00000/0000       | 2-20025/0906        | 05/19/76        | 50           | 6733         | 56.3                  | 124.4               | GGFF                 | 9                     | 30                   |
| 06519W                      | 0708N             | 2602-13475                              | 2-20033/0192     | 00000/0000          | 09/15/76        | 30           | 8392         | 52.8                  | 94.7                | GGGG                 | 9                     | 30                   |
| 06520W                      | 5304N             | 2558-14330                              | 00000/0000       | 2-20030/0633        | 08/02/76        | 60           | 7779         | 48.2                  | 137.0               | GGG                  | 2                     | 55                   |
| 06520W                      | 5006N             | 2503-14294                              | 00000/0000       | 2-20026/1279        | 06/06/76        | 50           | 7012         | 55.3                  | 131.5               | GGGG                 | 12                    | 23                   |
| 06520W                      | 3305S             | 2379-13252                              | 00000/0000       | 2-20021/0072        | 02/05/76        | 10           | 5242         | 44.1                  | 80.1                | GGGG                 | 11                    | 25                   |
| 06521W                      | 5015N             | 2611-14264                              | 00000/0000       | 2-20037/1737        | 09/24/76        | 50           | 8518         | 34.3                  | 147.2               | GGGG                 | 246                   | 83                   |
| 06521W                      | 4309N             | 2555-14185                              | 00000/0000       | 2-20030/0565        | 07/30/76        | 90           | 7737         | 53.3                  | 122.3               | GGGG                 | 11                    | 25                   |
| 06521W                      | 1843N             | 2568-13545                              | 2-20033/0145     | 00000/0000          | 08/12/76        | 30           | 7918         | 54.1                  | 90.4                | GGG                  | 9                     | 30                   |
| 06522W                      | 4314N             | 2717-14131                              | 00000/0000       | 2-20038/1084        | 01/08/77        | 90           | 9596         | 17.6                  | 147.4               | GGG                  | 4                     | 47                   |
| 06522W                      | 4313N             | 2591-14175                              | 00000/0000       | 2-20032/0769        | 09/04/76        | 10           | 8239         | 44.9                  | 134.5               | GGGG                 | 9                     | 30                   |
| 06522W                      | 4312N             | 2423-14222                              | 00000/0000       | 2-20027/0500        | 03/26/76        | 40           | 5980         | 40.7                  | 137.1               | GGGG                 | 9                     | 30                   |
| 06522W                      | 3437N             | 2589-14085                              | 00000/0000       | 2-20032/0570        | 09/02/76        | 40           | 8211         | 49.5                  | 123.8               | GGGG                 | 7                     | 36                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR N84-US  
FR94 01/22/76 TO 01/22/77

PAGE 1285

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------------------------|------------------|---------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06522W                      | 3434N             | 2481-14115                                     | 03000/0000       | 2-20025/0580        | 05/17/76     | 60           | 6705                               | 58.4                | 110.4                |                       |                      |
| 06523W                      | 5007N             | 2395-14324                                     | 03000/0000       | 2-20021/0214        | 02/21/76     | 10           | 5506                               | 23.6                | 147.0                | 7                     | 36                   |
| 06523W                      | 5006N             | 2413-14321                                     | 03000/0000       | 2-20021/1418        | 03/10/76     | 20           | 5757                               | 30.2                | 145.0                | 11                    | 25                   |
| 06523W                      | 5004N             | 2521-14291                                     | 03000/0000       | 2-20027/0449        | 06/26/76     | 50           | 7263                               | 55.2                | 129.5                | 11                    | 25                   |
| 06523W                      | 4303N             | 2519-14195                                     | 03000/0000       | 2-20028/0015        | 06/24/76     | 80           | 7235                               | 57.8                | 117.6                | 11                    | 25                   |
| 06523W                      | 0541S             | 2528-13421                                     | 03000/0000       | 2-20028/0653        | 07/02/76     | 40           | 7360                               | 40.9                | 52.8                 | 9                     | 30                   |
| 06523W                      | 2259S             | 2399-13333                                     | 03000/0000       | 2-20021/0580        | 02/25/76     | 60           | 5561                               | 44.7                | 80.0                 | 251                   | 64                   |
| 06524W                      | 5257N             | 2504-14343                                     | 03000/0000       | 2-20024/1270        | 06/09/76     | 10           | 7026                               | 53.9                | 135.9                | 248                   | 76                   |
| 06524W                      | 5007N             | 2647-14253                                     | 03000/0000       | 2-20035/0313        | 10/30/76     | 40           | 9020                               | 22.3                | 153.8                | 12                    | 23                   |
| 06524W                      | 4309N             | 2681-14144                                     | 03000/0000       | 2-20034/1761        | 12/03/76     | 80           | 9494                               | 19.4                | 151.4                | 11                    | 25                   |
| 06524W                      | 4303N             | 2501-14202                                     | 03000/0000       | 2-20026/1212        | 06/06/76     | 40           | 6984                               | 58.0                | 119.9                | 9                     | 30                   |
| 06525W                      | 5255N             | 2540-14334                                     | 03000/0000       | 2-20028/1522        | 07/15/76     | 90           | 7528                               | 51.7                | 134.4                | 9                     | 30                   |
| 06525W                      | 5005N             | 2629-14261                                     | 03000/0000       | 2-20034/0707        | 10/12/76     | 80           | 8769                               | 28.2                | 151.1                | 12                    | 23                   |
| 06525W                      | 4302N             | 2411-14225                                     | 03000/0000       | 2-20021/1343        | 03/08/76     | 50           | 5729                               | 34.0                | 140.0                | 11                    | 25                   |
| 06526W                      | 3850N             | 2482-14162                                     | 03000/0000       | 2-20025/0877        | 05/18/76     | 90           | 6719                               | 57.6                | 117.5                | 9                     | 30                   |
| 06526W                      | 2309S             | 2381-13340                                     | 03000/0000       | 2-20020/1182        | 02/07/76     | 50           | 5310                               | 46.7                | 88.2                 | 8                     | 33                   |
| 06526W                      | 2841S             | 2398-13293                                     | 03000/0000       | 2-20021/0521        | 02/24/76     | 40           | 5547                               | 42.6                | 75.8                 | 248                   | 76                   |
| 06527W                      | 4301N             | 2393-14232                                     | 03000/0000       | 2-20021/0179        | 02/19/76     | 90           | 5478                               | 27.7                | 142.9                | 247                   | 80                   |
| 06527W                      | 3429N             | 2409-14140                                     | 03000/0000       | 2-20021/1220        | 03/06/76     | 30           | 5701                               | 38.4                | 133.7                | 9                     | 30                   |
| 06528W                      | 5001N             | 2377-14331                                     | 03000/0000       | 2-20020/0675        | 02/03/76     | 100          | 5255                               | 18.1                | 149.2                | 7                     | 36                   |
| 06528W                      | 4301N             | 2645-14161                                     | 03000/0000       | 2-20035/0288        | 10/28/76     | 60           | 8992                               | 28.4                | 149.5                | 11                    | 23                   |
| 06529W                      | 8009N             | 2560-18015                                     | 2-20031/0050     | 03000/0000          | 08/04/76     | 70           | 7809                               | 26.1                | 205.6                | 9                     | 30                   |
| 06530W                      | 8057N             | 2517-19052                                     | 2-20029/0198     | 03000/0000          | 06/22/76     | 100          | 7210                               | 30.2                | 223.4                | 50                    | 1                    |
| 06530W                      | 3846N             | 2410-14133                                     | 03000/0000       | 2-20021/1284        | 03/07/76     | 80           | 5715                               | 36.3                | 136.9                | 50                    | 246                  |
| 06530W                      | 1821N             | 2586-13563                                     | 2-20033/0107     | 03000/0000          | 08/30/76     | 30           | 8169                               | 53.4                | 100.1                | 8                     | 33                   |
| 06531W                      | 3847S             | 2432-13195                                     | 03000/0000       | 2-20022/0963        | 03/29/76     | 0            | 6021                               | 29.6                | 56.7                 | 4                     | 47                   |
| 06534W                      | 3421S             | 2505-13223                                     | 03000/0000       | 2-20024/1235        | 06/10/76     | 0            | 7039                               | 18.5                | 43.1                 | 245                   | 87                   |
| 06534W                      | 3424S             | 2523-13220                                     | 03000/0000       | 2-20028/0356        | 06/28/76     | 0            | 7290                               | 17.7                | 43.3                 | 246                   | 84                   |
| 06535W                      | 7839N             | 2569-17105                                     | 2-20032/1889     | 03000/0000          | 08/13/76     | 30           | 7934                               | 25.6                | 192.1                | 246                   | 84                   |
| 06535W                      | 0549N             | 2566-13491                                     | 03000/0000       | 2-20030/1061        | 08/10/76     | 60           | 7890                               | 50.0                | 72.9                 | 41                    | 3                    |
| 06537W                      | 3432S             | 2433-13242                                     | 03000/0000       | 2-20022/1011        | 03/30/76     | 10           | 6035                               | 32.4                | 57.6                 | 2                     | 56                   |
| 06538W                      | 3841S             | 2396-13210                                     | 03000/0000       | 2-20021/0469        | 02/22/76     | 0            | 5519                               | 38.2                | 70.3                 | 246                   | 84                   |
| 06539W                      | 0542N             | 2602-13481                                     | 2-20033/0193     | 03000/0000          | 09/15/76     | 30           | 8392                               | 52.7                | 92.8                 | 245                   | 87                   |
| 06539W                      | 1846S             | 2418-13373                                     | 03000/0000       | 2-20022/0099        | 03/15/76     | 30           | 5826                               | 44.3                | 73.7                 | 2                     | 53                   |
| 06540W                      | 3424S             | 2613-13132                                     | 03000/0000       | 2-20034/0102        | 09/26/76     | 30           | 8545                               | 37.7                | 60.5                 | 246                   | 84                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | SERVOATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                  | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 06540W                      | 3842S            | 2378-13213                              | 00000/0000       | 2-20020/0961        | 02/04/76        | 40           | 5268         | 42.1                  | 76.3                |                      |                       |                      |
| 06541W                      | 3423S            | 2649-13131                              | 00000/0000       | 2-20035/0459        | 11/01/76        | 10           | 9047         | 47.4                  | 72.9                | FFFF                 | 245                   | 87                   |
| 06541W                      | 3426S            | 2397-13253                              | 00000/0000       | 2-20021/0504        | 02/23/76        | 0            | 5533         | 40.2                  | 72.3                | GGGG                 | 246                   | 84                   |
| 06543W                      | 1716N            | 2568-13572                              | 2-20033/0145     | 00000/0000          | 08/12/76        | 30           | 7918         | 53.8                  | 88.4                | FFFF                 | 246                   | 84                   |
| 06543W                      | 0707S            | 2528-13424                              | 00000/0000       | 2-20028/0654        | 07/03/76        | 10           | 7360         | 39.8                  | 52.0                | GGG                  | 4                     | 48                   |
| 06545W                      | 2426S            | 2399-13340                              | 00000/0000       | 2-20021/0581        | 02/25/76        | 70           | 5561         | 44.2                  | 78.8                | GGGG                 | 251                   | 65                   |
| 06546W                      | 4256S            | 2377-13170                              | 00000/0000       | 2-20020/0847        | 02/03/76        | 80           | 5254         | 40.3                  | 73.9                | GGGG                 | 243                   | 77                   |
| 06547W                      | 7934N            | 2574-17335                              | 2-20031/0068     | 00000/0000          | 08/18/76        | 70           | 8004         | 22.8                  | 199.5               | GGFG                 | 243                   | 90                   |
| 06547W                      | 4151N            | 2465-14214                              | 00000/0000       | 2-20024/0950        | 05/01/76        | 10           | 6482         | 53.2                  | 127.4               | GPP                  | 45                    | 2                    |
| 06548W                      | 4151N            | 2447-14221                              | 00000/0000       | 2-20023/0114        | 04/13/76        | 50           | 6231         | 47.9                  | 132.0               | GGGF                 | 9                     | 31                   |
| 06548W                      | 3311N            | 2589-14092                              | 2-20033/0226     | 2-20032/0571        | 09/02/76        | 10           | 8211         | 50.1                  | 122.0               | GGFG                 | 9                     | 31                   |
| 06548W                      | 3307N            | 2481-14122                              | 00000/0000       | 2-20025/0581        | 05/17/76        | 40           | 6705         | 58.6                  | 107.9               | GGG                  | 7                     | 37                   |
| 06548W                      | 2435S            | 2381-13343                              | 00000/0000       | 2-20020/1183        | 02/07/76        | 40           | 5310         | 46.4                  | 86.9                | FGGG                 | 7                     | 37                   |
| 06549W                      | 7932N            | 2610-17375                              | 2-20034/1213     | 00000/0000          | 09/23/76        | 90           | 8506         | 9.5                   | 201.0               | FGFG                 | 248                   | 77                   |
| 06549W                      | 6124N            | 2562-14532                              | 00000/0000       | 2-20030/0877        | 08/05/76        | 80           | 7835         | 42.1                  | 148.7               | FFF                  | 45                    | 2                    |
| 06551W                      | 4149N            | 2573-14184                              | 00000/0000       | 2-20037/1435        | 08/17/76        | 70           | 7948         | 50.1                  | 126.3               | GGGG                 | 16                    | 17                   |
| 06551W                      | 1655N            | 2586-13565                              | 2-20033/0108     | 00000/0000          | 08/30/76        | 40           | 8169         | 53.4                  | 98.1                | GGGG                 | 9                     | 31                   |
| 06551W                      | 3007S            | 2398-13300                              | 00000/0000       | 2-20021/0522        | 02/24/76        | 40           | 5547         | 42.0                  | 74.8                | GG                   | 4                     | 48                   |
| 06551W                      | 4721S            | 2430-13110                              | 00000/0000       | 2-20022/0732        | 03/27/76        | 0            | 5993         | 23.8                  | 56.1                | GGGG                 | 247                   | 81                   |
| 06552W                      | 7933N            | 2592-17383                              | 2-20033/0124     | 00000/0000          | 09/05/76        | 60           | 8255         | 16.5                  | 200.1               | FFF                  | 243                   | 93                   |
| 06552W                      | 7922N            | 2537-17342                              | 2-20029/0297     | 00000/0000          | 07/12/76        | 100          | 7488         | 32.1                  | 198.2               | GGG                  | 45                    | 2                    |
| 06552W                      | 4857N            | 2449-14312                              | 00000/0000       | 2-20023/0228        | 04/15/76        | 10           | 6259         | 44.6                  | 139.7               | PPP                  | 45                    | 2                    |
| 06552W                      | 4855N            | 2467-14310                              | 00000/0000       | 2-20024/1363        | 05/03/76        | 50           | 6510         | 50.1                  | 136.6               | GGFG                 | 11                    | 26                   |
| 06553W                      | 4853N            | 2431-14320                              | 00000/0000       | 2-20022/0802        | 03/28/76        | 90           | 6008         | 38.0                  | 142.0               | GGGG                 | 11                    | 26                   |
| 06553W                      | 4148N            | 2591-14131                              | 00000/0000       | 2-20032/0770        | 09/04/76        | 10           | 8239         | 45.7                  | 133.0               | GGGG                 | 11                    | 26                   |
| 06553W                      | 4148N            | 2717-14134                              | 00000/0000       | 2-20038/1087        | 01/08/77        | 90           | 9996         | 18.6                  | 146.8               | FFFF                 | 9                     | 31                   |
| 06553W                      | 3725N            | 2452-14164                              | 00000/0000       | 2-20025/0878        | 05/18/76        | 70           | 6719         | 57.9                  | 115.1               | GG                   | 9                     | 31                   |
| 06553W                      | 3303N            | 2409-14142                              | 00000/0000       | 2-20021/1221        | 03/06/76        | 10           | 5701         | 39.1                  | 132.6               | GGGG                 | 8                     | 34                   |
| 06554W                      | 4849N            | 2485-14303                              | 00000/0000       | 2-20026/0587        | 05/21/76        | 80           | 6761         | 54.1                  | 132.8               | GGGG                 | 7                     | 37                   |
| 06554W                      | 4146N            | 2429-14224                              | 00000/0000       | 2-20022/0501        | 03/26/76        | 50           | 5980         | 41.5                  | 135.8               | GGGG                 | 11                    | 26                   |
| 06554W                      | 4138N            | 2519-14202                              | 00000/0000       | 2-20028/0016        | 06/24/76        | 80           | 7235         | 58.2                  | 115.1               | FGGG                 | 9                     | 31                   |
| 06555W                      | 4856N            | 2575-14280                              | 00000/0000       | 2-20030/1615        | 08/19/76        | 10           | 8016         | 46.2                  | 135.8               | GGGG                 | 9                     | 31                   |
| 06555W                      | 4855N            | 2701-14234                              | 00000/0000       | 2-20038/0118        | 12/23/76        | 20           | 9773         | 12.9                  | 152.1               | GGGG                 | 11                    | 26                   |
| 06555W                      | 4849N            | 2557-14284                              | 00000/0000       | 2-20030/0443        | 08/01/76        | 90           | 7765         | 50.6                  | 131.0               | GGGG                 | 11                    | 26                   |
| 06555W                      | 4144N            | 2681-14150                              | 00000/0000       | 2-20036/1762        | 12/03/76        | 80           | 9494         | 20.5                  | 150.8               | GGGG                 | 11                    | 26                   |
|                             |                  |                                         |                  |                     |                 |              |              |                       |                     |                      | 9                     | 31                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=10% GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL |     | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------------------------|--------------|------------------|---------------------|-----------------|--------------|--------------|------------|-----|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                                     | MSS          |                  |                     |                 |              |              | RBV        | MSS |                     |                      |                       |                      |
| 06555W                      | 4138N | 2501-14205        | 00000/0000                              | 2-20026/1213 | 06/06/76         | 90                  | 6984            | 58.4         | 117.3        |            |     |                     |                      |                       |                      |
| 06556W                      | 5150N | 2450-14362        | 00000/0000                              | 2-20023/0302 | 04/16/76         | 70                  | 6273            | 43.2         | 142.7        | GGGG       |     |                     |                      | 9                     | 31                   |
| 06556W                      | 4855N | 2593-14273        | 00000/0000                              | 2-20032/0861 | 09/06/76         | 50                  | 8267            | 41.0         | 141.0        | FFFF       |     |                     |                      | 12                    | 24                   |
| 06556W                      | 4855N | 2719-14225        | 00000/0000                              | 2-20038/1192 | 01/10/77         | 10                  | 24              | 13.6         | 149.6        | GGGG       |     |                     |                      | 11                    | 26                   |
| 06556W                      | 4136N | 2411-14232        | 00000/0000                              | 2-20021/1344 | 03/08/76         | 70                  | 5729            | 34.9         | 138.9        | GGGG       |     |                     |                      | 11                    | 26                   |
| 06557W                      | 8010N | 2615-18060        | 2-20034/1232                            | 00000/0000   | 09/28/76         | 50                  | 8576            | 6.4          | 208.1        | GGGG       |     |                     |                      | 9                     | 31                   |
| 06557W                      | 4711S | 2394-13121        | 00000/0000                              | 2-20021/0321 | 02/20/76         | 20                  | 5491            | 33.9         | 67.4         | FGF        |     |                     |                      | 50                    | 1                    |
| 06558W                      | 4842N | 2503-14301        | 00000/0000                              | 2-20026/1280 | 06/08/76         | 60                  | 7012            | 56.0         | 129.1        | FGGG       |     |                     |                      | 243                   | 93                   |
| 06558W                      | 4136V | 2393-14235        | 00000/0000                              | 2-20021/0180 | 02/19/76         | 40                  | 5478            | 28.7         | 142.0        | GGGG       |     |                     |                      | 11                    | 26                   |
| 06558W                      | 3018S | 2380-13303        | 00000/0000                              | 2-20020/1114 | 02/06/76         | 0                   | 5296            | 44.9         | 82.1         | FFGG       |     |                     |                      | 9                     | 31                   |
| 06559W                      | 8012N | 2561-18073        | 2-20031/0057                            | 00000/0000   | 08/05/76         | 80                  | 7823            | 25.7         | 206.4        | PPPP       |     |                     |                      | 247                   | 81                   |
| 06559W                      | 7923N | 2519-17345        | 2-20029/0202                            | 00000/0000   | 06/24/76         | 70                  | 7237            | 33.6         | 199.2        | GGG        |     |                     |                      | 50                    | 1                    |
| 06559W                      | 5146N | 2468-14355        | 00000/0000                              | 2-20024/1485 | 05/04/76         | 100                 | 6524            | 48.7         | 140.2        | FFG        |     |                     |                      | 45                    | 2                    |
| 06559W                      | 5145N | 2432-14370        | 00000/0000                              | 2-20022/0910 | 03/29/76         | 10                  | 6022            | 36.5         | 144.5        | FGPG       |     |                     |                      | 12                    | 24                   |
| 06559W                      | 4850N | 2611-14270        | 00000/0000                              | 2-20032/1738 | 09/24/76         | 40                  | 8518            | 35.3         | 146.1        | GGGG       |     |                     |                      | 12                    | 24                   |
| 06559W                      | 4847N | 2683-14242        | 00000/0000                              | 2-20037/0196 | 12/05/76         | 10                  | 9522            | 14.6         | 153.8        | GFGG       |     |                     |                      | 11                    | 26                   |
| 06559W                      | 4843N | 2539-14291        | 00000/0000                              | 2-20028/1468 | 07/14/76         | 90                  | 7514            | 53.8         | 127.9        | GGGG       |     |                     |                      | 11                    | 26                   |
| 06559W                      | 3721N | 2410-14135        | 00000/0000                              | 2-20021/1285 | 03/07/76         | 90                  | 5715            | 37.1         | 135.8        | GGGG       |     |                     |                      | 11                    | 26                   |
| 06600W                      | 4136N | 2645-14163        | 00000/0000                              | 2-20035/0289 | 10/28/76         | 70                  | 8992            | 29.4         | 148.7        | GGGG       |     |                     |                      | 8                     | 34                   |
| 06601W                      | 4841N | 2413-14324        | 00000/0000                              | 2-20021/1419 | 03/10/76         | 40                  | 5757            | 31.1         | 144.0        | GGGG       |     |                     |                      | 9                     | 31                   |
| 06601W                      | 4839N | 2521-14294        | 00000/0000                              | 2-20027/0450 | 06/26/76         | 50                  | 7263            | 55.8         | 127.2        | GGGG       |     |                     |                      | 11                    | 26                   |
| 06601W                      | 2012S | 2418-13375        | 00000/0000                              | 2-20027/0100 | 03/15/76         | 20                  | 5826            | 43.6         | 72.5         | GGGG       |     |                     |                      | 11                    | 26                   |
| 06602W                      | 5145N | 2576-14330        | 00000/0000                              | 2-20032/0042 | 08/20/76         | 40                  | 8030            | 44.3         | 139.3        | FGGG       |     |                     |                      | 249                   | 74                   |
| 06602W                      | 5140N | 2558-14333        | 00000/0000                              | 2-20030/0634 | 05/02/76         | 50                  | 7779            | 48.9         | 135.1        | GGGG       |     |                     |                      | 12                    | 24                   |
| 06602W                      | 4843N | 2665-14251        | 00000/0000                              | 2-20036/0870 | 11/17/76         | 60                  | 9271            | 18.3         | 154.2        | GGGG       |     |                     |                      | 12                    | 24                   |
| 06602W                      | 4842N | 2395-14331        | 00000/0000                              | 2-20021/0215 | 02/21/76         | 10                  | 5506            | 24.5         | 146.1        | GGGG       |     |                     |                      | 11                    | 26                   |
| 06602W                      | 4842N | 2647-14255        | 00000/0000                              | 2-20035/0314 | 10/30/76         | 20                  | 9020            | 23.4         | 153.0        | GGGG       |     |                     |                      | 11                    | 26                   |
| 06603W                      | 7834N | 2551-17112        | 2-20030/1836                            | 00000/0000   | 07/26/76         | 20                  | 7683            | 30.6         | 191.4        | GGG        |     |                     |                      | 41                    | 3                    |
| 06603W                      | 5425N | 2467-14402        | 00000/0000                              | 2-20025/1040 | 05/23/76         | 90                  | 6789            | 51.3         | 140.7        | GGGG       |     |                     |                      | 13                    | 22                   |
| 06603W                      | 4840N | 2629-14263        | 00000/0000                              | 2-20034/0708 | 10/12/76         | 30                  | 8769            | 29.3         | 150.2        | FGGG       |     |                     |                      | 11                    | 26                   |
| 06603W                      | 2553S | 2417-13335        | 00000/0000                              | 2-20021/1635 | 03/14/76         | 20                  | 5812            | 40.9         | 68.8         | GGGG       |     |                     |                      | 243                   | 78                   |
| 06604W                      | 3558S | 2433-13245        | 00000/0000                              | 2-20022/1012 | 03/30/76         | 10                  | 6035            | 31.4         | 57.1         | GGGG       |     |                     |                      | 246                   | 85                   |
| 06606W                      | 5133N | 2504-14350        | 00000/0000                              | 2-20026/1271 | 06/09/76         | 10                  | 7026            | 54.6         | 133.6        | GGGG       |     |                     |                      | 12                    | 24                   |
| 06606W                      | 4837N | 2377-14334        | 00000/0000                              | 2-20020/0879 | 02/03/76         | 100                 | 5255            | 19.1         | 148.5        | FGFF       |     |                     |                      | 11                    | 26                   |
| 06607W                      | 8004N | 2542-18023        | 2-20030/1871                            | 00000/0000   | 07/17/76         | 10                  | 7558            | 30.2         | 205.2        | GGG        |     |                     |                      | 51                    | 1                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT 2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | SBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06607W                      | 5131N             | 2540-14340                                     | 00000/0000       | 2-20028/1523        | 07/15/76        | 50           | 7528         | 52.4                               | 132.3               | GGGG                 | 12                    | 24                   |
| 06608W                      | 5126N             | 2522-14343                                     | 00000/0000       | 2-20028/0211        | 06/27/76        | 20           | 7277         | 54.5                               | 131.7               | GGGF                 | 12                    | 24                   |
| 06608W                      | 2552S             | 2393-13342                                     | 00000/0000       | 2-20021/0582        | 02/25/76        | 70           | 5561         | 43.6                               | 77.6                | GGGG                 | 248                   | 78                   |
| 06608W                      | 3552S             | 2397-13256                                     | 00000/0000       | 2-20021/0505        | 02/23/76        | 10           | 5533         | 39.5                               | 71.4                | GGGG                 | 246                   | 85                   |
| 06608W                      | 4430S             | 2431-13155                                     | 00000/0000       | 2-20022/0884        | 03/28/76        | 30           | 6007         | 25.7                               | 55.0                | GGGG                 | 244                   | 91                   |
| 06610W                      | 4007S             | 2378-13215                                     | 00000/0000       | 2-20023/0962        | 02/04/76        | 60           | 5268         | 41.5                               | 75.3                | FFFF                 | 245                   | 88                   |
| 06612W                      | 5131N             | 2648-14304                                     | 00000/0000       | 2-20035/0354        | 10/31/76        | 80           | 9034         | 20.9                               | 154.7               | FGGG                 | 12                    | 24                   |
| 06612W                      | 5130N             | 2630-14312                                     | 00000/0000       | 2-20034/0730        | 10/13/76        | 90           | 8783         | 26.8                               | 152.3               | GGGG                 | 12                    | 24                   |
| 06612W                      | 2600S             | 2381-13345                                     | 00000/0000       | 2-20020/1184        | 02/07/76        | 40           | 5310         | 46.0                               | 85.5                | GGGG                 | 248                   | 78                   |
| 06613W                      | 3145N             | 2589-14094                                     | 2-20033/0227     | 2-20032/0572        | 09/02/76        | 10           | 8211         | 50.6                               | 120.2               | GGG                  | 7                     | 38                   |
| 06613W                      | 3555S             | 2379-13262                                     | 00000/0000       | 2-20021/0073        | 02/05/76        | 10           | 5282         | 43.1                               | 77.9                | FFFF                 | 246                   | 85                   |
| 06614W                      | 3141N             | 2481-14124                                     | 00000/0000       | 2-20025/0582        | 05/17/76        | 30           | 6705         | 58.8                               | 105.3               | FGGG                 | 7                     | 38                   |
| 06614W                      | 3139S             | 2416-13295                                     | 00000/0000       | 2-20021/1569        | 03/13/76        | 0            | 5798         | 37.9                               | 65.8                | FFFF                 | 247                   | 82                   |
| 06614W                      | 4432S             | 2413-13163                                     | 00000/0000       | 2-20021/1438        | 03/10/76        | 100          | 5756         | 30.5                               | 62.0                | GGGF                 | 244                   | 91                   |
| 06615W                      | 3143N             | 2427-14141                                     | 00000/0000       | 2-20022/0569        | 03/24/76        | 90           | 5952         | 45.9                               | 126.2               | GGGF                 | 7                     | 38                   |
| 06616W                      | 7832N             | 2532-17115                                     | 2-20029/0280     | 00000/0000          | 07/08/76        | 90           | 7432         | 33.7                               | 192.0               | FGG                  | 41                    | 3                    |
| 06618W                      | 3137N             | 2409-14145                                     | 00000/0000       | 2-20021/1222        | 03/06/76        | 20           | 5701         | 39.9                               | 131.4               | GGGG                 | 7                     | 38                   |
| 06618W                      | 4421S             | 2377-13173                                     | 00000/0000       | 2-20020/0848        | 02/03/76        | 90           | 5254         | 39.6                               | 73.2                | GGFG                 | 244                   | 91                   |
| 06619W                      | 8042N             | 2477-18435                                     | 2-20027/0587     | 00000/0000          | 05/13/76        | 0            | 6652         | 26.0                               | 218.1               | GGG                  | 44                    | 247                  |
| 06620W                      | 4019N             | 2483-14214                                     | 00000/0000       | 2-20025/0907        | 05/19/76        | 90           | 6733         | 57.3                               | 119.7               | GGGG                 | 9                     | 32                   |
| 06621W                      | 8044N             | 2585-18405                                     | 2-20033/0103     | 00000/0000          | 08/29/76        | 90           | 8158         | 16.8                               | 215.3               | GGG                  | 44                    | 247                  |
| 06621W                      | 3559N             | 2482-14171                                     | 00000/0000       | 2-20025/0879        | 05/18/76        | 60           | 6719         | 58.2                               | 112.6               | GGGG                 | 9                     | 35                   |
| 06622W                      | 8038N             | 2548-18361                                     | 2-20030/1685     | 00000/0000          | 07/23/76        | 10           | 7642         | 27.9                               | 213.7               | GGG                  | 38                    | 248                  |
| 06622W                      | 7843N             | 2480-17190                                     | 00000/0000       | 2-20025/0535        | 05/16/76        | 20           | 6693         | 30.2                               | 195.9               | GGGG                 | 41                    | 3                    |
| 06623W                      | 4023N             | 2717-14140                                     | 00000/0000       | 2-20038/1085        | 01/08/77        | 90           | 9996         | 19.6                               | 146.1               | GGGG                 | 9                     | 32                   |
| 06623W                      | 2139S             | 2418-13342                                     | 00000/0000       | 2-20022/0101        | 03/15/76        | 10           | 5826         | 42.9                               | 71.4                | FFFF                 | 249                   | 75                   |
| 06623W                      | 3144S             | 2380-13305                                     | 00000/0000       | 2-20020/1115        | 02/06/76        | 0            | 5296         | 44.4                               | 80.9                | GGFG                 | 247                   | 82                   |
| 06624W                      | 4021N             | 2429-14231                                     | 00000/0000       | 2-20022/0502        | 03/26/76        | 40           | 5930         | 42.3                               | 134.4               | GGGG                 | 9                     | 32                   |
| 06625W                      | 7829N             | 2515-17122                                     | 2-20029/0184     | 00000/0000          | 06/20/76        | 20           | 7181         | 34.7                               | 192.7               | G G                  | 41                    | 3                    |
| 06626W                      | 4011N             | 2411-14234                                     | 00000/0000       | 2-20021/1345        | 03/03/76        | 30           | 5729         | 35.8                               | 137.8               | GGGG                 | 9                     | 32                   |
| 06626W                      | 3555N             | 2410-14192                                     | 00000/0000       | 2-20021/1286        | 03/07/76        | 90           | 5715         | 37.9                               | 134.7               | GGGG                 | 8                     | 35                   |
| 06626W                      | 2720S             | 2417-13342                                     | 00000/0000       | 2-20021/1636        | 03/14/76        | 20           | 5812         | 40.2                               | 67.9                | GGGG                 | 248                   | 79                   |
| 06631W                      | 2718S             | 2399-13345                                     | 00000/0000       | 2-20021/0583        | 02/25/76        | 80           | 5561         | 43.1                               | 76.5                | GGGG                 | 248                   | 79                   |
| 06631W                      | 3724S             | 2433-13251                                     | 00000/0000       | 2-20022/1013        | 03/30/76        | 30           | 6035         | 30.4                               | 55.7                | GGGG                 | 246                   | 86                   |
| 06633W                      | 5602N             | 2452-14463                                     | 00000/0000       | 2-20023/0334        | 04/18/76        | 0            | 6301         | 41.1                               | 147.2               | FGGG                 | 14                    | 21                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

 LANDSAT-2  
 COORDINATE LISTING  
 FOR N8N-US  
 FROM 01/22/76 TO 01/22/77

PAGE 1989

| PRINCIPAL PRINT<br>9F IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06635N                                  | 7840N             | 2606-17153                   | P-20033/0206                | 00000/0000       | 09/19/76            | 90              | 8450         | 12.3         | 194.2                              | G                   |                      | 42                    | 3                    |
| 06635N                                  | 2726S             | 2381-13352                   | 00000/0000                  | 2-20020/1185     | 02/07/76            | 50              | 5310         | 45.6         | 84.2                               | GGGG                |                      | 248                   | 79                   |
| 06637N                                  | 5025N             | 2450-14365                   | 00000/0000                  | 2-20023/0303     | 04/16/76            | 30              | 6273         | 44.0         | 141.2                              | GGGG                |                      | 12                    | 25                   |
| 06638N                                  | 7842N             | 2588-17160                   | P-20033/0171                | 00000/0000       | 09/01/76            | 10              | 8199         | 19.1         | 193.2                              | GG                  |                      | 42                    | 3                    |
| 06638N                                  | 3019N             | 2589-14101                   | P-20033/0228                | 2-20032/0573     | 09/02/76            | 10              | 8211         | 51.0         | 118.3                              | GGG                 |                      | 7                     | 39                   |
| 06638N                                  | 3015N             | 2481-14131                   | 00000/0000                  | 2-20025/0583     | 05/17/76            | 20              | 6705         | 58.8         | 102.8                              | GGGG                |                      | 7                     | 39                   |
| 06639N                                  | 3305S             | 2416-13301                   | 00000/0000                  | 2-20021/1570     | 03/13/76            | 0               | 5798         | 37.1         | 65.1                               | FFFF                |                      | 247                   | 83                   |
| 06639N                                  | 4132S             | 2378-13222                   | 00000/0000                  | 2-20020/0963     | 02/04/76            | 80              | 5268         | 40.8         | 74.5                               | GGF                 |                      | 245                   | 89                   |
| 06640N                                  | 8002N             | 2524-18030                   | P-20029/0243                | 00000/0000       | 06/29/76            | 80              | 7307         | 32.3         | 205.5                              | G                   |                      | 51                    | 1                    |
| 06640N                                  | 5021N             | 2468-14362                   | 00000/0000                  | 2-20024/1490     | 05/04/76            | 80              | 6524         | 49.6         | 138.3                              |                     |                      | 12                    | 25                   |
| 06640N                                  | 5019N             | 2432-14372                   | 00000/0000                  | 2-20022/0911     | 03/29/76            | 30              | 6022         | 37.5         | 143.2                              | GGPG                |                      | 12                    | 25                   |
| 06640N                                  | 3017N             | 2427-14144                   | 00000/0000                  | 2-20022/0570     | 03/24/76            | 90              | 5952         | 46.5         | 124.7                              | GGGG                |                      | 7                     | 39                   |
| 06641N                                  | 8041N             | 2567-18412                   | P-20033/0142                | 00000/0000       | 08/11/76            | 70              | 7907         | 22.9         | 214.5                              | GGG                 |                      | 39                    | 248                  |
| 06641N                                  | 3259S             | 2398-13305                   | 00000/0000                  | 2-20021/0523     | 02/24/76            | 30              | 5547         | 40.7         | 72.8                               | FGGG                |                      | 247                   | 83                   |
| 06641N                                  | 719S              | 2379-13265                   | 00000/0000                  | 2-20021/0074     | 02/05/76            | 10              | 5282         | 42.5         | 76.9                               | GGGF                |                      | 246                   | 86                   |
| 06641N                                  | 4555S             | 2431-13162                   | 00000/0000                  | 2-20022/0885     | 03/28/76            | 50              | 6007         | 24.6         | 55.9                               | FFFF                |                      | 244                   | 92                   |
| 06642N                                  | 8058N             | 2518-19111                   | P-20029/0204                | 00000/0000       | 06/23/76            | 50              | 7224         | 30.2         | 223.6                              | GGG                 |                      | 51                    | 246                  |
| 06642N                                  | 5020N             | 2576-14332                   | 00000/0000                  | 2-20032/0043     | 08/20/76            | 10              | 8030         | 45.1         | 137.7                              | GGGG                |                      | 12                    | 25                   |
| 06642N                                  | 5016N             | 2558-14335                   | 00000/0000                  | 2-20030/0635     | 08/02/76            | 40              | 7779         | 49.6         | 133.2                              | GGGG                |                      | 12                    | 25                   |
| 06643N                                  | 5018N             | 2594-14325                   | 00000/0000                  | 2-20032/0912     | 09/07/76            | 90              | 8281         | 39.8         | 142.7                              | GGGG                |                      | 12                    | 25                   |
| 06643N                                  | 3011N             | 2409-14151                   | 00000/0000                  | 2-20021/1223     | 03/06/76            | 10              | 5701         | 40.6         | 130.2                              | GGGG                |                      | 7                     | 39                   |
| 06644N                                  | 8036N             | 2530-18365                   | P-20033/0099                | 00000/0000       | 07/05/76            | 90              | 7391         | 30.7         | 214.0                              | GGG                 |                      | 39                    | 248                  |
| 06645N                                  | 5020N             | 2702-14245                   | 00000/0000                  | 2-20037/1300     | 12/24/76            | 80              | 9787         | 11.8         | 152.6                              | GGGG                |                      | 12                    | 25                   |
| 06646N                                  | 5011N             | 2414-14380                   | 00000/0000                  | 2-20021/1174     | 03/11/76            | 40              | 5771         | 30.5         | 145.0                              | GGGG                |                      | 12                    | 25                   |
| 06646N                                  | 5009N             | 2504-14352                   | 00000/0000                  | 2-20024/1272     | 06/09/76            | 10              | 7026         | 55.3         | 131.4                              | FGGG                |                      | 12                    | 25                   |
| 06647N                                  | 5301N             | 2487-14404                   | 00000/0000                  | 2-20025/1041     | 05/23/76            | 90              | 6789         | 52.1         | 138.7                              | GGFG                |                      | 13                    | 23                   |
| 06648N                                  | 5007N             | 2540-14343                   | 00000/0000                  | 2-20028/1524     | 07/15/76            | 10              | 7528         | 53.1         | 130.1                              | GGGG                |                      | 12                    | 25                   |
| 06648N                                  | 5002N             | 2522-14350                   | 00000/0000                  | 2-20028/0212     | 06/27/76            | 10              | 7277         | 55.1         | 129.5                              | GGGG                |                      | 12                    | 25                   |
| 06648N                                  | 3853N             | 2433-14220                   | 00000/0000                  | 2-20025/0908     | 05/19/76            | 90              | 6733         | 57.7         | 117.3                              | GGGG                |                      | 9                     | 33                   |
| 06648N                                  | 3433N             | 2482-14173                   | 00000/0000                  | 2-20025/0880     | 05/18/76            | 70              | 6719         | 58.5         | 110.0                              | GGGG                |                      | 8                     | 36                   |
| 06648N                                  | 3309S             | 2380-13312                   | 00000/0000                  | 2-20020/1116     | 02/06/76            | 0               | 5296         | 43.9         | 79.7                               | FGGG                |                      | 247                   | 83                   |
| 06648N                                  | 4557S             | 2413-13165                   | 00000/0000                  | 2-20021/1439     | 03/10/76            | 90              | 5756         | 29.6         | 61.7                               | GGGG                |                      | 244                   | 92                   |
| 06649N                                  | 0705N             | 2621-13530                   | P-20034/1236                | 00000/0000       | 10/04/76            | 20              | 8657         | 52.6         | 107.1                              | GGG                 |                      | 3                     | 55                   |
| 06651N                                  | 7925N             | 2538-17400                   | P-20029/0284                | 00000/0000       | 07/13/76            | 100             | 7502         | 31.8         | 198.6                              | GFG                 |                      | 46                    | 2                    |
| 06651N                                  | 6001N             | 2562-14535                   | 00000/0000                  | 2-20030/0878     | 08/06/76            | 60              | 7835         | 43.0         | 146.8                              | FGGG                |                      | 16                    | 18                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=M GAIN, H=HIGH GAIN



02:44 APR 25, 1977

LANHSAT-2  
COORDINATE LISTING  
FOR NSN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLSD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06651N                                  | 4546S             | 2377-13175                                         | 00000/0000       | 2-20020/0849       | 02/03/76        | 90           | 5254         | 38.9                               | 72.5                |                      |                       |                      |
| 06652N                                  | 5006N             | 2648-14311                                         | 00000/0000       | 2-20035/0355       | 10/31/76        | 80           | 9034         | 22.0                               | 153.9               | GGGG                 |                       |                      |
| 06652N                                  | 5005N             | 2630-14315                                         | 00000/0000       | 2-20034/0731       | 10/13/76        | 90           | 8783         | 27.9                               | 151.3               | GGGF                 | 244                   | 92                   |
| 06652N                                  | 3857N             | 2717-14143                                         | 00000/0000       | 2-20038/1086       | 01/08/77        | 90           | 9996         | 20.6                               | 145.5               | GGGG                 | 12                    | 25                   |
| 06653N                                  | 5002N             | 2376-14385                                         | 00000/0000       | 2-20020/0866       | 02/04/76        | 10           | 5269         | 18.4                               | 149.1               | GGGG                 | 12                    | 25                   |
| 06653N                                  | 3855N             | 2429-14233                                         | 00000/0000       | 2-20022/0503       | 03/26/76        | 40           | 5980         | 43.1                               | 133.1               | GGGG                 | 9                     | 33                   |
| 06653N                                  | 3430N             | 2410-14194                                         | 00000/0000       | 2-20021/1287       | 03/07/76        | 100          | 5715         | 38.7                               | 133.5               | GGGG                 | 12                    | 25                   |
| 06654N                                  | 7935N             | 2575-17444                                         | 2-20031/0075     | 00000/0000         | 08/19/76        | 10           | 8018         | 22.4                               | 199.7               | GGG                  | 9                     | 33                   |
| 06655N                                  | 8014N             | 2580-18124                                         | 2-20033/0055     | 00000/0000         | 08/24/76        | 90           | 8088         | 19.6                               | 207.3               | GGG                  | 46                    | 2                    |
| 06655N                                  | 2844S             | 2399-13351                                         | 00000/0000       | 2-20021/0584       | 02/25/76        | 90           | 5561         | 42.5                               | 75.4                | FFFF                 | 51                    | 1                    |
| 06656N                                  | 3845N             | 2411-14241                                         | 00000/0000       | 2-20021/1346       | 03/08/76        | 30           | 5729         | 36.6                               | 136.7               | GGGG                 | 248                   | 80                   |
| 06659N                                  | 7841N             | 2570-17162                                         | 2-20032/1895     | 00000/0000         | 08/14/76        | 20           | 7948         | 25.3                               | 192.3               | GGG                  | 9                     | 33                   |
| 06659N                                  | 2853S             | 2381-13354                                         | 00000/0000       | 2-20020/1186       | 02/07/76        | 40           | 5310         | 45.2                               | 82.9                | FFFF                 | 42                    | 3                    |
| 06700N                                  | 7933N             | 2593-17441                                         | 2-20033/0129     | 00000/0000         | 09/06/76        | 90           | 8269         | 16.1                               | 200.3               | GGG                  | 248                   | 80                   |
| 06702N                                  | 2853N             | 2589-14103                                         | 2-20033/0229     | 2-20032/0574       | 09/02/76        | 10           | 8211         | 51.5                               | 116.5               | GGG                  | 46                    | 2                    |
| 06703N                                  | 8058N             | 2519-19165                                         | 2-20029/0211     | 00000/0000         | 06/24/76        | 40           | 7238         | 30.1                               | 224.5               | GGG                  | 7                     | 40                   |
| 06704N                                  | 3843S             | 2397-13264                                         | 00000/0000       | 2-20021/0506       | 02/23/76        | 0            | 5533         | 38.0                               | 69.9                | P                    | 51                    | 246                  |
| 06705N                                  | 8005N             | 2525-18084                                         | 2-20029/0251     | 00000/0000         | 06/30/76        | 80           | 7321         | 32.1                               | 206.5               | GGG                  | 246                   | 87                   |
| 06705N                                  | 3431S             | 2416-13304                                         | 00000/0000       | 2-20021/1571       | 03/13/76        | 0            | 5798         | 36.2                               | 64.4                | GG                   | 51                    | 1                    |
| 06706N                                  | 7926N             | 2556-17393                                         | 2-20031/0023     | 00000/0000         | 07/31/76        | 30           | 7753         | 28.3                               | 198.0               | FFFF                 | 247                   | 84                   |
| 06707N                                  | 3425S             | 2398-13311                                         | 00000/0000       | 2-20021/0524       | 02/24/76        | 90           | 5547         | 40.0                               | 71.9                | GG                   | 46                    | 2                    |
| 06708N                                  | 3845S             | 2379-13271                                         | 00000/0000       | 2-20021/0075       | 02/05/76        | 10           | 5282         | 41.9                               | 75.9                | FGGG                 | 247                   | 84                   |
| 06709N                                  | 0537N             | 2621-13532                                         | 2-20034/1237     | 00000/0000         | 10/04/76        | 20           | 8657         | 52.7                               | 105.1               | FGGF                 | 246                   | 87                   |
| 06709N                                  | 0710S             | 2529-13482                                         | 00000/0000       | 2-20028/0625       | 07/04/76        | 10           | 7374         | 39.8                               | 52.1                | GGG                  | 3                     | 56                   |
| 06710N                                  | 8007N             | 2543-18051                                         | 2-20030/1879     | 00000/0000         | 07/18/76        | 10           | 7572         | 29.9                               | 205.7               | FFFF                 | 1                     | 65                   |
| 06710N                                  | 4256S             | 2378-13224                                         | 00000/0000       | 2-20020/0964       | 02/04/76        | 80           | 5268         | 40.1                               | 73.7                | GGG                  | 51                    | 1                    |
| 06712N                                  | 0121S             | 2458-13541                                         | 00000/0000       | 2-20024/0485       | 04/24/76        | 50           | 6384         | 49.5                               | 68.0                | GGG                  | 245                   | 90                   |
| 06712N                                  | 5000S             | 2394-13130                                         | 00000/0000       | 2-20021/0322       | 02/20/76        | 10           | 5491         | 32.2                               | 66.6                | GGGG                 | 2                     | 61                   |
| 06713N                                  | 1126N             | 2622-13573                                         | 2-20034/1238     | 00000/0000         | 10/05/76        | 30           | 8671         | 51.6                               | 113.4               | FFGF                 | 243                   | 95                   |
| 06714N                                  | 4150N             | 2466-14272                                         | 00000/0000       | 2-20024/1282       | 05/02/76        | 100          | 6496         | 53.4                               | 127.1               | GGG                  | 4                     | 52                   |
| 06714N                                  | 3307N             | 2482-14180                                         | 00000/0000       | 2-20025/0881       | 05/18/76        | 50           | 6719         | 58.7                               | 107.5               | GGGG                 | 10                    | 31                   |
| 06714N                                  | 3433S             | 2380-13314                                         | 00000/0000       | 2-20020/1117       | 02/06/76        | 0            | 5296         | 43.4                               | 78.6                | GGGG                 | 3                     | 37                   |
| 06715N                                  | 4720S             | 2431-13164                                         | 00000/0000       | 2-20022/0886       | 03/28/76        | 10           | 6007         | 23.6                               | 55.8                | GGGG                 | 247                   | 84                   |
| 06716N                                  | 4900N             | 2450-14371                                         | 00000/0000       | 2-20023/0304       | 04/16/76        | 50           | 6273         | 44.9                               | 139.6               | FFFF                 | 244                   | 93                   |
| 06716N                                  | 4151N             | 2448-14275                                         | 00000/0000       | 2-20023/0217       | 04/14/76        | 0            | 6245         | 48.2                               | 131.8               | GGGG                 | 12                    | 26                   |
|                                         |                   |                                                    |                  |                    |                 |              |              |                                    |                     | GGGG                 | 10                    | 31                   |

KEYS: CLSD COVER % ..... 0 TO 100 = % CLSD COVER.  
 IMAGE QUALITY ..... BLANKS=AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1291

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 06716N                      | 4149N | 2574-14243        | 00000/0000                                     | 2-20030/1510     | 08/18/76            | 60              | 8002         | 49.9         | 126.6                 |                     |                      |                       |                      |
| 06716N                      | 4144N | 2484-14265        | 00000/0000                                     | 2-20025/1089     | 05/20/76            | 90              | 6747         | 56.9         | 121.8                 |                     |                      |                       |                      |
| 06717N                      | 3727N | 2483-14222        | 00000/0000                                     | 2-20025/0909     | 05/19/76            | 80              | 6733         | 58.0         | 114.8                 | GGGG                |                      | 10                    | 31                   |
| 06718N                      | 4856N | 2468-14364        | 00000/0000                                     | 2-20024/1431     | 05/04/76            | 60              | 6524         | 50.4         | 136.5                 | GGFG                |                      | 10                    | 31                   |
| 06718N                      | 4149N | 2700-14200        | 00000/0000                                     | 2-20037/0700     | 12/22/76            | 90              | 9759         | 18.4         | 149.2                 | GGGG                |                      | 9                     | 34                   |
| 06718N                      | 4149N | 2718-14192        | 00000/0000                                     | 2-20037/0700     | 01/09/77            | 70              | 10           | 18.7         | 146.6                 | GGGG                |                      | 12                    | 26                   |
| 06718N                      | 4145N | 2556-14250        | 00000/0000                                     | 2-20030/0428     | 07/31/76            | 100             | 7751         | 53.6         | 120.5                 | GG                  |                      | 10                    | 31                   |
| 06718N                      | 3010S | 2399-13354        | 00000/0000                                     | 2-20021/0585     | 02/25/76            | 40              | 5561         | 41.8         | 74.3                  | GGGG                |                      | 10                    | 31                   |
| 06719N                      | 4854N | 2432-14375        | 00000/0000                                     | 2-20022/0912     | 03/29/76            | 90              | 6022         | 38.4         | 141.9                 | GGGG                |                      | 10                    | 31                   |
| 06719N                      | 4150N | 2502-14240        | 00000/0000                                     | 2-20032/0855     | 09/05/76            | 10              | 8253         | 45.4         | 133.4                 | GGGG                |                      | 248                   | 81                   |
| 06719N                      | 4145N | 2430-14243        | 00000/0000                                     | 2-20022/0821     | 03/27/76            | 10              | 5994         | 41.9         | 135.6                 | GGGG                |                      | 12                    | 26                   |
| 06719N                      | 4141N | 2538-14253        | 00000/0000                                     | 2-20028/1330     | 07/13/76            | 60              | 7500         | 56.4         | 116.3                 | GGGG                |                      | 10                    | 31                   |
| 06719N                      | 3304N | 2410-14201        | 00000/0000                                     | 2-20021/1258     | 03/07/76            | 80              | 5715         | 39.5         | 132.3                 | GGGG                |                      | 10                    | 31                   |
| 06720N                      | 4851N | 2558-14342        | 00000/0000                                     | 2-20030/0636     | 08/02/76            | 30              | 7779         | 50.3         | 131.3                 | GGGG                |                      | 8                     | 37                   |
| 06720N                      | 4146N | 2610-14233        | 00000/0000                                     | 2-20032/1685     | 09/23/76            | 10              | 8504         | 40.3         | 139.8                 | GGGG                |                      | 12                    | 26                   |
| 06720N                      | 4137N | 2502-14263        | 00000/0000                                     | 2-20026/0966     | 06/07/76            | 10              | 6998         | 58.4         | 117.1                 | GGFG                |                      | 10                    | 31                   |
| 06721N                      | 7834N | 2552-17170        | 00000/0000                                     | 2-20030/1901     | 07/27/76            | 10              | 7697         | 30.3         | 191.6                 | GGFG                |                      | 10                    | 31                   |
| 06721N                      | 5437N | 2452-14470        | 00000/0000                                     | 2-20023/0395     | 04/18/76            | 0               | 6301         | 42.0         | 145.6                 | GGGG                |                      | 42                    | 3                    |
| 06721N                      | 4855N | 2576-14335        | 00000/0000                                     | 2-20032/0044     | 05/20/76            | 20              | 8030         | 45.9         | 135.0                 | GGGG                |                      | 14                    | 22                   |
| 06721N                      | 4143N | 2682-14205        | 00000/0000                                     | 2-20036/1373     | 12/04/76            | 70              | 9508         | 20.3         | 150.8                 | GGGG                |                      | 12                    | 26                   |
| 06721N                      | 4135N | 2520-14260        | 00000/0000                                     | 2-20027/0443     | 06/25/76            | 100             | 7249         | 58.1         | 115.0                 | GGGG                |                      | 10                    | 31                   |
| 06721N                      | 3730N | 2429-14240        | 00000/0000                                     | 2-20027/0504     | 03/26/76            | 40              | 5980         | 43.8         | 131.6                 | GGGG                |                      | 10                    | 31                   |
| 06722N                      | 4853N | 2594-14332        | 00000/0000                                     | 2-20027/0513     | 09/07/76            | 90              | 8281         | 40.7         | 141.3                 | GGGG                |                      | 9                     | 34                   |
| 06722N                      | 4855N | 2702-14292        | 00000/0000                                     | 2-20037/1301     | 12/24/76            | 50              | 9787         | 12.9         | 152.0                 | GGGG                |                      | 12                    | 26                   |
| 06723N                      | 4138N | 2412-14290        | 00000/0000                                     | 2-20021/1297     | 03/09/76            | 90              | 5734         | 35.3         | 138.8                 | GGGG                |                      | 12                    | 26                   |
| 06723N                      | 3019S | 2381-13361        | 00000/0000                                     | 2-20020/1187     | 02/07/76            | 30              | 5310         | 44.8         | 81.7                  | FFFF                |                      | 10                    | 31                   |
| 06723N                      | 4721S | 2413-13172        | 00000/0000                                     | 2-20021/1440     | 03/10/76            | 90              | 5756         | 28.6         | 61.4                  | GGGG                |                      | 248                   | 81                   |
| 06724N                      | 4846N | 2414-14332        | 00000/0000                                     | 2-20021/1175     | 03/11/76            | 40              | 5771         | 31.5         | 143.9                 | GGFG                |                      | 244                   | 93                   |
| 06724N                      | 4844N | 2504-14355        | 00000/0000                                     | 2-20025/1273     | 06/09/76            | 0               | 7026         | 56.0         | 129.1                 | GGGG                |                      | 12                    | 26                   |
| 06724N                      | 4138N | 2664-14213        | 00000/0000                                     | 2-20036/0740     | 11/16/76            | 60              | 9257         | 24.1         | 150.7                 | GGGG                |                      | 12                    | 26                   |
| 06724N                      | 4137N | 2646-14221        | 00000/0000                                     | 2-20035/0279     | 10/29/76            | 30              | 9006         | 29.1         | 148.8                 | GGGG                |                      | 10                    | 31                   |
| 06724N                      | 3720N | 2411-14243        | 00000/0000                                     | 2-20021/1347     | 03/08/76            | 50              | 5729         | 37.5         | 135.6                 | GGGG                |                      | 10                    | 31                   |
| 06726N                      | 4848N | 2612-14325        | 00000/0000                                     | 2-20032/1743     | 09/25/76            | 10              | 8532         | 34.9         | 146.3                 | GGGG                |                      | 9                     | 34                   |
| 06726N                      | 4842N | 2540-14345        | 00000/0000                                     | 2-20028/1525     | 07/15/76            | 30              | 7528         | 53.7         | 128.0                 | GGGG                |                      | 12                    | 26                   |
| 06726N                      | 4135N | 2394-14293        | 00000/0000                                     | 2-20021/0351     | 02/20/76            | 80              | 5492         | 29.0         | 141.8                 | GGGG                |                      | 12                    | 26                   |

KEYS: CLOUD COVER 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FBR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL No.<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER % | SUN<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|---------------------|------------------|------------------|---------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                   | MSS                 |                  |                  |               |              |              | 123 45678             |                     |                      |                       |                      |
| 06726W                      | 2726N | 2589-14110        | P=20033/0230          | 2-20032/0575        | 09/02/76         | 10               | 8211          | 51.9         | 114.5        | GGF GGGG              |                     |                      | 7                     | 41                   |
| 06726W                      | 4710S | 2377-13182        | 00000/0000            | 2-20020/0850        | 02/03/76         | 90               | 5254          | 38.2         | 71.8         | GGF GGGG              |                     |                      | 244                   | 93                   |
| 06727W                      | 7920N | 2520-17404        | P=20029/0215          | 00000/0000          | 06/25/76         | 10               | 7251          | 33.5         | 199.0        | FGG GGGG              |                     |                      | 47                    | 2                    |
| 06727W                      | 4842N | 2396-14385        | 00000/0000            | 2-20021/0209        | 02/22/76         | 100              | 5520          | 24.9         | 146.0        | GGGG                  |                     |                      | 12                    | 26                   |
| 06727W                      | 4838N | 2522-14352        | 00000/0000            | 2-20024/0213        | 06/27/76         | 30               | 7277          | 55.7         | 127.1        | GGGG                  |                     |                      | 12                    | 26                   |
| 06728W                      | 5142N | 2433-14424        | 00000/0000            | 2-20022/0777        | 03/30/76         | 10               | 6036          | 36.9         | 144.4        | GGGG                  |                     |                      | 13                    | 24                   |
| 06729W                      | 8042N | 2604-18461        | P=20033/0197          | 00000/0000          | 09/17/76         | 10               | 8423          | 9.6          | 216.0        | FGG GGGG              |                     |                      | 39                    | 248                  |
| 06730W                      | 5136N | 2487-14411        | 00000/0000            | 2-20025/1042        | 05/23/76         | 100              | 6789          | 52.9         | 136.6        | GGGG                  |                     |                      | 13                    | 24                   |
| 06730W                      | 4842N | 2648-14313        | 00000/0000            | 2-20035/0355        | 10/31/76         | 80               | 9034          | 23.1         | 153.1        | GGGG                  |                     |                      | 12                    | 26                   |
| 06730W                      | 4840N | 2630-14321        | 00000/0000            | 2-20034/0732        | 10/13/76         | 90               | 8783          | 29.0         | 150.4        | GGGG                  |                     |                      | 12                    | 26                   |
| 06731W                      | 4837N | 2378-14392        | 00000/0000            | 2-20020/0867        | 02/04/76         | 50               | 5269          | 19.4         | 148.3        | GGGG                  |                     |                      | 12                    | 26                   |
| 06731W                      | 2557S | 2418-13393        | 00000/0000            | 2-20027/0102        | 03/15/76         | 0                | 5826          | 40.7         | 68.3         | GGGG                  |                     |                      | 249                   | 78                   |
| 06732W                      | 0248S | 2458-13544        | 00000/0000            | 2-20024/0486        | 04/24/76         | 90               | 6384          | 48.8         | 66.5         | GGGG                  |                     |                      | 2                     | 62                   |
| 06732W                      | 3556S | 2416-13310        | 00000/0000            | 2-20021/1572        | 03/13/76         | 0                | 5798          | 35.3         | 63.8         | GGGG                  |                     |                      | 247                   | 85                   |
| 06734W                      | 1000N | 2622-13575        | P=20034/1239          | 00000/0000          | 10/05/76         | 30               | 8671          | 52.0         | 111.5        | GG                    |                     |                      | 4                     | 53                   |
| 06734W                      | 4008S | 2397-13271        | 00000/0000            | 2-20021/0507        | 02/23/76         | 0                | 5533          | 37.2         | 69.2         | FFFF                  |                     |                      | 246                   | 88                   |
| 06735W                      | 8058N | 2537-19162        | 2-20029/0314          | 00000/0000          | 07/12/76         | 90               | 7489          | 28.7         | 223.2        | PPF                   |                     |                      | 52                    | 246                  |
| 06735W                      | 8043N | 2478-18493        | 2-20027/0591          | 00000/0000          | 05/14/76         | 0                | 6666          | 26.3         | 218.3        | GGF                   |                     |                      | 45                    | 247                  |
| 06736W                      | 8039N | 2549-18420        | P=20030/1888          | 00000/0000          | 07/24/76         | 10               | 7656          | 27.6         | 213.8        | GGG                   |                     |                      | 39                    | 248                  |
| 06736W                      | 5130N | 2649-14362        | 00000/0000            | 2-20035/0420        | 11/01/76         | 70               | 9048          | 20.6         | 154.8        | GGGG                  |                     |                      | 13                    | 24                   |
| 06737W                      | 4010S | 2379-13274        | 00000/0000            | 2-20021/0076        | 02/05/76         | 10               | 5282          | 41.2         | 75.0         | GGGG                  |                     |                      | 246                   | 88                   |
| 06739W                      | 3141N | 2482-14182        | 00000/0000            | 2-20025/0882        | 05/18/76         | 40               | 6719          | 58.8         | 104.9        | GGGG                  |                     |                      | 9                     | 38                   |
| 06740W                      | 5122N | 2379-14441        | 00000/0000            | 2-20026/1001        | 02/05/76         | 20               | 5283          | 17.6         | 149.7        | GGGG                  |                     |                      | 13                    | 24                   |
| 06740W                      | 3146N | 2428-14200        | 00000/0000            | 2-20022/0493        | 03/25/76         | 80               | 5966          | 46.2         | 126.0        | GGGG                  |                     |                      | 8                     | 38                   |
| 06741W                      | 3558S | 2380-13321        | 00000/0000            | 2-20020/1118        | 02/06/76         | 10               | 5296          | 42.8         | 77.6         | GGGG                  |                     |                      | 247                   | 85                   |
| 06743W                      | 3136S | 2399-13360        | 00000/0000            | 2-20021/0586        | 02/25/76         | 10               | 5561          | 41.2         | 73.3         | GGGG                  |                     |                      | 248                   | 82                   |
| 06743W                      | 4420S | 2378-13231        | 00000/0000            | 2-20020/0965        | 02/04/76         | 90               | 5268          | 39.4         | 72.9         | FFF                   |                     |                      | 245                   | 91                   |
| 06744W                      | 4024N | 2466-14275        | 00000/0000            | 2-20024/1283        | 05/02/76         | 100              | 6496          | 54.0         | 125.0        | GGGG                  |                     |                      | 10                    | 32                   |
| 06744W                      | 3602N | 2483-14225        | 00000/0000            | 2-20025/0910        | 05/19/76         | 70               | 6733          | 58.4         | 112.3        | GGGG                  |                     |                      | 9                     | 35                   |
| 06745W                      | 4018N | 2484-14272        | 00000/0000            | 2-20025/1090        | 05/20/76         | 70               | 6747          | 57.4         | 119.4        | GGGG                  |                     |                      | 10                    | 32                   |
| 06745W                      | 3138N | 2410-14203        | 00000/0000            | 2-20021/1289        | 03/07/76         | 50               | 5715          | 40.2         | 131.1        | GGGG                  |                     |                      | 8                     | 38                   |
| 06746W                      | 4025N | 2448-14282        | 00000/0000            | 2-20023/0218        | 04/14/76         | 0                | 6245          | 48.9         | 130.1        | GGGG                  |                     |                      | 10                    | 32                   |
| 06746W                      | 4022N | 2574-14245        | 00000/0000            | 2-20030/1511        | 08/18/76         | 90               | 8002          | 50.5         | 124.7        | GGGG                  |                     |                      | 10                    | 32                   |
| 06747W                      | 3144S | 2381-13363        | 00000/0000            | 2-20020/1188        | 02/07/76         | 20               | 5310          | 44.3         | 80.5         | FFFF                  |                     |                      | 248                   | 82                   |
| 06748W                      | 5839N | 2552-14541        | 00000/0000            | 2-20030/0879        | 08/06/76         | 20               | 7835          | 43.9         | 145.0        | GGGG                  |                     |                      | 16                    | 19                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-IIS  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06748W                                  | 4020N             | 2556-14252                   | 00000/0000                  | 2-20030/0429     | 07/31/76            | 70              | 7751         | 54.0         | 118.3                              | FGGG                |                      | 10                    | 32                   |
| 06748W                                  | 3604N             | 2429-14242                   | 00000/0000                  | 2-20022/0505     | 03/26/76            | 30              | 5980         | 44.6         | 130.2                              | GGGG                |                      | 9                     | 35                   |
| 06749W                                  | 4024N             | 2532-14242                   | 00000/0000                  | 2-20032/0856     | 09/05/76            | 30              | 8253         | 46.2         | 131.9                              | FFGG                |                      | 10                    | 32                   |
| 06749W                                  | 4023N             | 2700-14203                   | 00000/0000                  | 2-20037/0701     | 12/22/76            | 90              | 9759         | 19.4         | 148.6                              | GGGG                |                      | 10                    | 32                   |
| 06749W                                  | 4023N             | 2718-14194                   | 00000/0000                  | 2-20038/1091     | 01/09/77            | 30              | 10           | 19.7         | 146.0                              | FGGG                |                      | 10                    | 32                   |
| 06749W                                  | 4020N             | 2430-14285                   | 00000/0000                  | 2-20022/0822     | 03/27/76            | 10              | 5994         | 42.7         | 134.2                              | GGFG                |                      | 10                    | 32                   |
| 06749W                                  | 4015N             | 2538-14260                   | 00000/0000                  | 2-20028/1331     | 07/13/76            | 60              | 7500         | 56.7         | 113.9                              | GGGG                |                      | 10                    | 32                   |
| 06749W                                  | 2137S             | 2419-13440                   | 00000/0000                  | 2-20021/1630     | 03/16/76            | 10              | 5840         | 42.8         | 70.9                               | GFGG                |                      | 250                   | 75                   |
| 06750W                                  | 4012N             | 2502-14265                   | 00000/0000                  | 2-20026/0967     | 06/07/76            | 10              | 6998         | 58.8         | 114.5                              | GFGF                |                      | 10                    | 32                   |
| 06750W                                  | 2134S             | 2401-13443                   | 00000/0000                  | 2-20027/0016     | 02/27/76            | 0               | 5589         | 44.9         | 80.2                               | GGGG                |                      | 250                   | 75                   |
| 06751W                                  | 4020N             | 2610-14235                   | 00000/0000                  | 2-20032/1686     | 09/23/76            | 10              | 8504         | 41.1         | 138.6                              | FGGG                |                      | 10                    | 32                   |
| 06751W                                  | 4010N             | 2520-14263                   | 00000/0000                  | 2-20027/0444     | 06/26/76            | 90              | 7249         | 58.4         | 112.5                              | GGGG                |                      | 10                    | 32                   |
| 06752W                                  | 4018N             | 2682-14211                   | 00000/0000                  | 2-20034/1374     | 12/04/76            | 60              | 9508         | 21.4         | 150.1                              | GGGG                |                      | 10                    | 32                   |
| 06752W                                  | 3554N             | 2411-14250                   | 00000/0000                  | 2-20021/1348     | 03/08/76            | 40              | 5729         | 38.3         | 134.4                              | GGGG                |                      | 9                     | 30                   |
| 06752W                                  | 0415S             | 2458-13550                   | 00000/0000                  | 2-20024/0487     | 04/24/76            | 90              | 6384         | 48.0         | 65.2                               | GGGG                |                      | 2                     | 63                   |
| 06752W                                  | 4844S             | 2431-13171                   | 00000/0000                  | 2-20022/0887     | 03/28/76            | 30              | 6007         | 22.5         | 55.7                               | GGGG                |                      | 244                   | 94                   |
| 06753W                                  | 5124S             | 2394-13132                   | 00000/0000                  | 2-20021/0323     | 02/20/76            | 10              | 5491         | 31.3         | 66.4                               | FFGF                |                      | 243                   | 96                   |
| 06754W                                  | 7828N             | 2516-17180                   | 2-20029/0190                | 00000/0000       | 06/21/76            | 80              | 7195         | 34.8         | 192.6                              | GG                  |                      | 42                    | 3                    |
| 06754W                                  | 4013N             | 2412-14293                   | 00000/0000                  | 2-20021/1298     | 03/09/76            | 100             | 5734         | 36.1         | 137.7                              | GFGG                |                      | 10                    | 32                   |
| 06754W                                  | 4013N             | 2664-14220                   | 00000/0000                  | 2-20036/0741     | 11/16/76            | 80              | 9257         | 25.2         | 150.0                              | GGGG                |                      | 10                    | 32                   |
| 06755W                                  | 4011N             | 2646-14224                   | 00000/0000                  | 2-20035/0280     | 10/29/76            | 50              | 9006         | 30.2         | 148.0                              | GGGG                |                      | 10                    | 32                   |
| 06755W                                  | 0834N             | 2622-13582                   | 2-20034/1240                | 00000/0000       | 10/05/76            | 30              | 8671         | 52.3         | 109.6                              | GGG                 |                      | 4                     | 54                   |
| 06755W                                  | 2723S             | 2418-13400                   | 00000/0000                  | 2-20022/0103     | 03/15/76            | 10              | 5826         | 40.0         | 67.4                               | GGGG                |                      | 249                   | 79                   |
| 06756W                                  | 4010N             | 2394-14300                   | 00000/0000                  | 2-20021/0362     | 02/20/76            | 50              | 5492         | 29.9         | 140.9                              | FGGG                |                      | 10                    | 32                   |
| 06756W                                  | 2144S             | 2383-13451                   | 00000/0000                  | 2-20020/1256     | 02/03/76            | 60              | 5338         | 46.7         | 88.8                               | FFFF                |                      | 250                   | 75                   |
| 06757W                                  | 8010N             | 2562-18132                   | 2-20031/0062                | 00000/0000       | 08/06/76            | 80              | 7837         | 25.5         | 205.9                              | GGG                 |                      | 52                    | 1                    |
| 06759W                                  | 3722S             | 2416-13313                   | 00000/0000                  | 2-20021/1573     | 03/13/76            | 0               | 5798         | 34.5         | 63.2                               | FFFF                |                      | 247                   | 86                   |
| 06800W                                  | 4846S             | 2413-13174                   | 00000/0000                  | 2-20021/1441     | 03/10/76            | 0               | 5756         | 27.7         | 61.2                               | GFGG                |                      | 244                   | 94                   |
| 06802W                                  | 7844N             | 2559-17214                   | 2-20033/0178                | 00000/0000       | 09/02/76            | 40              | 8213         | 18.7         | 193.4                              | GGG                 |                      | 43                    | 3                    |
| 06803W                                  | 4132S             | 2397-13273                   | 00000/0000                  | 2-20021/0508     | 02/23/76            | 20              | 5533         | 36.4         | 68.5                               | FFFF                |                      | 246                   | 89                   |
| 06803W                                  | 4834S             | 2377-13184                   | 00000/0000                  | 2-20020/0851     | 02/03/76            | 50              | 5254         | 37.4         | 71.2                               | GGFG                |                      | 244                   | 94                   |
| 06804W                                  | 3015N             | 2482-14185                   | 00000/0000                  | 2-20025/0883     | 05/18/76            | 10              | 6719         | 58.9         | 102.3                              | GGFG                |                      | 8                     | 39                   |
| 06805W                                  | 3020N             | 2428-14202                   | 00000/0000                  | 2-20022/0494     | 03/25/76            | 50              | 5966         | 46.8         | 124.4                              | GGGG                |                      | 8                     | 39                   |
| 06806W                                  | 5314N             | 2452-14472                   | 00000/0000                  | 2-20023/0396     | 04/18/76            | 0               | 6301         | 42.9         | 144.0                              | GGGG                |                      | 14                    | 23                   |
| 06806W                                  | 5023N             | 2451-14423                   | 00000/0000                  | 2-20024/0058     | 04/17/76            | 10              | 6287         | 44.4         | 141.0                              | FFGF                |                      | 13                    | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06807W 8038N                            | 2531-18423        | 2-20029/0256 00000/0000                            | 07/06/76         | 70                  | 7405            | 30.6         | 214.2        |                                    |                     |                      |                       |                      |
| 06807W 5020N                            | 2703-14344        | 00000/0000 2-20037/1329                            | 12/25/76         | 10                  | 9801            | 11.8         | 152.5        | GGG                                |                     |                      | 40                    | 248                  |
| 06807W 4135S                            | 2379-13280        | 00000/0000 2-20021/0077                            | 02/05/76         | 10                  | 5282            | 40.6         | 74.2         | GGGG                               |                     |                      | 13                    | 25                   |
| 06808W 5018N                            | 2433-14430        | 00000/0000 2-20022/0778                            | 03/30/76         | 90                  | 6036            | 37.9         | 143.1        | GGGF                               |                     |                      | 246                   | 89                   |
| 06808W 3301S                            | 2399-13363        | 00000/0000 2-20021/0587                            | 02/25/76         | 10                  | 5561            | 40.5         | 72.4         | GGGG                               |                     |                      | 13                    | 25                   |
| 06808W 3723S                            | 2380-13323        | 00000/0000 2-20020/1119                            | 02/05/76         | 10                  | 5296            | 42.2         | 76.5         | GGGG                               |                     |                      | 248                   | 83                   |
| 06809W 3012N                            | 2410-14210        | 00000/0000 2-20021/1290                            | 03/07/76         | 10                  | 5715            | 41.0         | 129.9        | GGGG                               |                     |                      | 247                   | 86                   |
| 06810W 7842N                            | 2571-17221        | 2-20032/1903 00000/0000                            | 08/15/76         | 70                  | 7962            | 24.9         | 192.5        |                                    |                     |                      | 8                     | 39                   |
| 06810W 5011N                            | 2487-14413        | 00000/0000 2-20025/1043                            | 05/23/76         | 90                  | 6789            | 53.7         | 134.5        | GGG                                |                     |                      | 43                    | 3                    |
| 06812W 3436N                            | 2483-14232        | 00000/0000 2-20025/0911                            | 05/19/76         | 80                  | 6733            | 58.6         | 109.7        | GGGG                               |                     |                      | 13                    | 25                   |
| 06812W 0542S                            | 2458-13553        | 00000/0000 2-20024/0486                            | 04/24/76         | 90                  | 6384            | 47.1         | 63.9         | GGGG                               |                     |                      | 9                     | 36                   |
| 06812W 2304S                            | 2419-13443        | 00000/0000 2-20021/1691                            | 03/16/76         | 10                  | 5840            | 42.1         | 69.8         | GGGG                               |                     |                      | 2                     | 64                   |
| 06813W 8015N                            | 2581-18183        | 2-20033/0064 00000/0000                            | 08/25/76         | 20                  | 8102            | 19.3         | 207.4        | GGG                                |                     |                      | 250                   | 76                   |
| 06813W 5015N                            | 2613-14380        | 00000/0000 2-20034/0049                            | 09/26/76         | 80                  | 8546            | 33.6         | 147.7        | GGG                                |                     |                      | 52                    | 1                    |
| 06813W 5014N                            | 2559-14394        | 00000/0000 2-20030/0718                            | 08/03/76         | 50                  | 7793            | 49.4         | 133.4        | GGGG                               |                     |                      | 13                    | 25                   |
| 06813W 3858N                            | 2466-14281        | 00000/0000 2-20024/1284                            | 05/02/76         | 90                  | 6496            | 54.6         | 122.9        | GGGG                               |                     |                      | 13                    | 25                   |
| 06813W 2300S                            | 2401-13450        | 00000/0000 2-20022/0016                            | 02/27/76         | 0                   | 5589            | 44.4         | 79.0         | GGGG                               |                     |                      | 10                    | 33                   |
| 06813W 3308S                            | 2381-13370        | 00000/0000 2-20020/1189                            | 02/07/76         | 10                  | 5310            | 43.8         | 79.4         | GGGG                               |                     |                      | 250                   | 76                   |
| 06814W 7838N                            | 2607-17211        | 2-20034/1197 00000/0000                            | 09/20/76         | 90                  | 8464            | 11.9         | 194.1        | GGG                                |                     |                      | 248                   | 83                   |
| 06814W 5007N                            | 2505-14411        | 00000/0000 2-20026/1653                            | 06/10/76         | 90                  | 7040            | 55.4         | 131.2        | GGG                                |                     |                      | 43                    | 3                    |
| 06814W 3438N                            | 2429-14245        | 00000/0000 2-20027/0506                            | 03/26/76         | 50                  | 5980            | 45.3         | 128.7        | GGGG                               |                     |                      | 13                    | 25                   |
| 06814W 0542S                            | 2530-13534        | 00000/0000 2-20028/0715                            | 07/05/76         | 90                  | 7388            | 40.9         | 53.1         | GGGG                               |                     |                      | 9                     | 36                   |
| 06815W 5009N                            | 2415-14434        | 00000/0000 2-20021/1547                            | 03/12/76         | 0                   | 5785            | 30.9         | 144.9        | GGGG                               |                     |                      | 2                     | 64                   |
| 06815W 3900V                            | 2448-14284        | 00000/0000 2-20023/0219                            | 04/14/76         | 10                  | 6245            | 49.6         | 128.4        | GGGG                               |                     |                      | 13                    | 25                   |
| 06815W 3856N                            | 2574-14262        | 00000/0000 2-20030/1512                            | 08/18/76         | 80                  | 8002            | 51.0         | 122.8        | GGGG                               |                     |                      | 10                    | 33                   |
| 06815W 3853N                            | 2484-14274        | 00000/0000 2-20025/1091                            | 05/20/76         | 20                  | 6747            | 57.8         | 116.9        | GGGG                               |                     |                      | 10                    | 33                   |
| 06815W 0707N                            | 2622-13584        | 2-20034/1241 00000/0000                            | 10/05/76         | 20                  | 8671            | 52.5         | 107.7        | GGG                                |                     |                      | 10                    | 33                   |
| 06816W 5009N                            | 2631-14373        | 00000/0000 2-20034/0740                            | 10/14/76         | 100                 | 8797            | 27.5         | 151.5        | GGG                                |                     |                      | 4                     | 55                   |
| 06816W 4545S                            | 2378-13233        | 00000/0000 2-20020/0966                            | 02/04/76         | 90                  | 5268            | 38.7         | 72.2         | G                                  |                     |                      | 13                    | 25                   |
| 06817W 7927N                            | 2557-17451        | 2-20031/0030 00000/0000                            | 08/01/76         | 90                  | 7767            | 28.0         | 198.2        | FFG                                |                     |                      | 245                   | 92                   |
| 06817W 5006N                            | 2649-14365        | 00000/0000 2-20035/0421                            | 11/01/76         | 90                  | 9048            | 21.7         | 154.0        | GGG                                |                     |                      | 47                    | 2                    |
| 06817W 3855N                            | 2556-14255        | 00000/0000 2-20030/0430                            | 07/31/76         | 80                  | 7751            | 54.4         | 116.2        | GGGG                               |                     |                      | 13                    | 25                   |
| 06817W 2310S                            | 2383-13453        | 00000/0000 2-20020/1257                            | 02/09/76         | 10                  | 5338            | 46.4         | 87.4         | GGGG                               |                     |                      | 10                    | 33                   |
| 06818W 3858N                            | 2592-14245        | 00000/0000 2-20032/0857                            | 09/05/76         | 30                  | 8253            | 46.9         | 130.3        | FGFG                               |                     |                      | 250                   | 76                   |
| 06818W 3857N                            | 2700-14205        | 00000/0000 2-20037/0702                            | 12/22/76         | 90                  | 9759            | 20.5         | 148.0        | FGFG                               |                     |                      | 10                    | 33                   |
|                                         |                   |                                                    |                  |                     |                 |              |              | GGGG                               |                     | H                    | 10                    | 33                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------------------------|--------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                                     | MSS          |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 06818N                      | 3857N | 2718-14201        | 00000/0000                              | 2-20038/1092 | 01/09/77         | 80                  | 10              | 20.7         | 145.3        | GGGG                  |                     |                      | 10                    | 33                   |
| 06818N                      | 3854N | 2430-14292        | 00000/0000                              | 2-20022/0823 | 03/27/76         | 10                  | 5994            | 43.5         | 132.8        | FGGG                  |                     | H                    | 10                    | 33                   |
| 06818N                      | 3850N | 2538-14262        | 00000/0000                              | 2-20028/1332 | 07/13/76         | 70                  | 7500            | 57.0         | 111.5        | GGGG                  |                     |                      | 10                    | 33                   |
| 06818W                      | 3429N | 2411-14252        | 00000/0000                              | 2-20021/1349 | 03/08/76         | 10                  | 5729            | 39.1         | 133.3        | GGGG                  |                     |                      | 9                     | 36                   |
| 06818W                      | 2849S | 2413-13402        | 00000/0000                              | 2-20022/0104 | 03/15/76         | 10                  | 5826            | 39.2         | 66.5         | FFFF                  |                     |                      | 249                   | 80                   |
| 06819W                      | 3847N | 2502-14272        | 00000/0000                              | 2-20026/0968 | 06/07/76         | 60                  | 6998            | 59.1         | 111.9        | FFGG                  |                     |                      | 10                    | 33                   |
| 06819W                      | 3845N | 2520-14265        | 00000/0000                              | 2-20027/0445 | 06/25/76         | 40                  | 7249            | 58.7         | 109.9        | GGGG                  |                     |                      | 10                    | 33                   |
| 06820W                      | 4959N | 2379-14444        | 00000/0000                              | 2-20020/1002 | 02/05/76         | 10                  | 5283            | 18.7         | 148.9        | GGFF                  |                     |                      | 13                    | 25                   |
| 06820W                      | 3854N | 2610-14242        | 00000/0000                              | 2-20032/1687 | 09/23/76         | 10                  | 8504            | 42.0         | 137.3        | FFGG                  |                     |                      | 10                    | 33                   |
| 06821W                      | 3852N | 2682-14214        | 00000/0000                              | 2-20036/1375 | 12/04/76         | 60                  | 9508            | 22.5         | 149.5        | GGGG                  |                     |                      | 10                    | 33                   |
| 06822W                      | 8008N | 2544-18135        | 2-20029/0268                            | 00000/0000   | 07/19/76         | 0                   | 7586            | 29.7         | 205.8        |                       |                     |                      | 52                    | 1                    |
| 06823W                      | 3847N | 2664-14222        | 00000/0000                              | 2-20036/0742 | 11/16/76         | 80                  | 9257            | 26.3         | 149.3        | GGGG                  | GG                  |                      | 10                    | 33                   |
| 06824W                      | 3846N | 2646-14230        | 00000/0000                              | 2-20035/0281 | 10/29/76         | 60                  | 9006            | 31.2         | 147.2        | GGGG                  |                     |                      | 10                    | 33                   |
| 06824W                      | 3845N | 2394-14302        | 00000/0000                              | 2-20021/0353 | 02/20/76         | 80                  | 5492            | 30.8         | 140.0        | GGGG                  |                     |                      | 10                    | 33                   |
| 06828W                      | 2849N | 2482-14191        | 00000/0000                              | 2-20025/0884 | 05/18/76         | 10                  | 6719            | 58.9         | 99.8         | GGFG                  |                     |                      | 8                     | 40                   |
| 06828W                      | 3848S | 2416-13315        | 00000/0000                              | 2-20021/1574 | 03/13/76         | 0                   | 5798            | 33.5         | 62.6         | GGFG                  |                     |                      | 247                   | 87                   |
| 06829W                      | 2854N | 2428-14205        | 00000/0000                              | 2-20022/0495 | 03/25/76         | 40                  | 5966            | 47.4         | 122.8        | GGGG                  |                     |                      | 8                     | 40                   |
| 06833W                      | 2846N | 2410-14212        | 00000/0000                              | 2-20021/1291 | 03/07/76         | 20                  | 5715            | 41.7         | 128.6        | GGGG                  |                     |                      | 8                     | 40                   |
| 06834W                      | 3426S | 2399-13365        | 00000/0000                              | 2-20021/0588 | 02/25/76         | 10                  | 5561            | 39.8         | 71.5         | GGGG                  |                     |                      | 248                   | 84                   |
| 06834W                      | 4257S | 2397-13280        | 00000/0000                              | 2-20021/0509 | 02/23/76         | 0                   | 5533            | 35.6         | 67.9         | FFFF                  |                     |                      | 246                   | 90                   |
| 06835W                      | 0540N | 2622-13591        | 2-20034/1242                            | 00000/0000   | 10/05/76         | 10                  | 8671            | 52.7         | 105.8        | GG                    |                     |                      | 4                     | 56                   |
| 06835W                      | 2430S | 2419-13445        | 00000/0000                              | 2-20021/1692 | 03/16/76         | 0                   | 5840            | 41.3         | 68.8         | GGGG                  |                     |                      | 250                   | 77                   |
| 06836W                      | 8012N | 2599-18180        | 2-20033/0253                            | 00000/0000   | 09/12/76         | 0                   | 8353            | 12.7         | 207.7        | GGG                   |                     |                      | 52                    | 1                    |
| 06836W                      | 2425S | 2401-13452        | 00000/0000                              | 2-20022/0017 | 02/27/76         | 0                   | 5589            | 43.9         | 77.8         | GGGG                  |                     |                      | 250                   | 77                   |
| 06836W                      | 3848S | 2380-13330        | 00000/0000                              | 2-20020/1120 | 02/06/76         | 10                  | 5296            | 41.6         | 75.6         | GGGG                  |                     |                      | 247                   | 87                   |
| 06838W                      | 3310N | 2483-14234        | 00000/0000                              | 2-20025/0912 | 05/19/76         | 90                  | 6733            | 58.8         | 107.2        | GGGG                  |                     |                      | 9                     | 37                   |
| 06838W                      | 4259S | 2379-13283        | 00000/0000                              | 2-20021/0078 | 02/05/76         | 10                  | 5282            | 39.9         | 73.4         | GGGG                  |                     |                      | 246                   | 90                   |
| 06838W                      | 5011S | 2413-13181        | 00000/0000                              | 2-20021/1442 | 03/10/76         | 50                  | 5756            | 26.7         | 61.1         | GGGG                  |                     |                      | 244                   | 95                   |
| 06839W                      | 1127N | 2623-14031        | 2-20034/1243                            | 00000/0000   | 10/06/76         | 20                  | 8685            | 51.5         | 114.0        | GGG                   |                     |                      | 5                     | 52                   |
| 06839W                      | 3433S | 2381-13372        | 00000/0000                              | 2-20020/1190 | 02/07/76         | 10                  | 5310            | 43.2         | 78.3         | FFFF                  |                     |                      | 248                   | 84                   |
| 06840W                      | 3313N | 2429-14251        | 00000/0000                              | 2-20022/0507 | 03/26/76         | 40                  | 5980            | 45.9         | 127.2        | GGGG                  |                     |                      | 9                     | 37                   |
| 06840W                      | 2436S | 2383-13460        | 00000/0000                              | 2-20020/1277 | 02/09/76         | 0                   | 5338            | 46.1         | 86.0         | FFFF                  |                     |                      | 250                   | 77                   |
| 06842W                      | 5716N | 2562-14544        | 00000/0000                              | 2-20030/0880 | 08/06/76         | 40                  | 7835            | 44.7         | 143.2        | GGGG                  |                     |                      | 16                    | 20                   |
| 06842W                      | 4958S | 2377-13191        | 00000/0000                              | 2-20020/0852 | 02/03/76         | 10                  | 5254            | 36.6         | 70.7         | GGFG                  |                     |                      | 244                   | 95                   |
| 06843W                      | 3727N | 2484-14281        | 00000/0000                              | 2-20025/1092 | 05/20/76         | 20                  | 6747            | 58.2         | 114.4        | GGGG                  |                     |                      | 10                    | 34                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANPSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06844N                                  | 4856N             | 2469-14422                   | 00000/0000                  | 2-20024/1552     | 05/05/76            | 90              | 6538         | 50.7         | 136.3                              |                     |                      |                       |                      |
| 06844N                                  | 3303N             | 2411-14255                   | 00000/0000                  | 2-20021/1350     | 03/08/76            | 20              | 5729         | 39.8         | 132.1                              | GGGG                |                      | 13                    | 26                   |
| 06845W                                  | 8043N             | 2587-18522                   | 2-20033/0167                | 00000/0000       | 08/31/76            | 80              | 8186         | 16.1         | 215.5                              | GGGG                |                      | 9                     | 37                   |
| 06845N                                  | 4857N             | 2577-14393                   | 00000/0000                  | 2-20030/1661     | 08/21/76            | 10              | 8044         | 45.6         | 136.4                              | GFF                 |                      | 46                    | 247                  |
| 06845W                                  | 4855N             | 2703-14350                   | 00000/0000                  | 2-20037/1330     | 12/25/76            | 40              | 9801         | 12.9         | 151.9                              | FGFG                |                      | 13                    | 26                   |
| 06846W                                  | 4853N             | 2433-14433                   | 00000/0000                  | 2-20027/0779     | 03/30/76            | 90              | 6036         | 38.8         | 141.8                              | GGGG                |                      | 13                    | 26                   |
| 06846W                                  | 3728N             | 2430-14294                   | 00000/0000                  | 2-20022/0824     | 03/27/76            | 10              | 5994         | 44.2         | 131.4                              | GGGG                |                      | 13                    | 26                   |
| 06847W                                  | 8058N             | 2520-19223                   | 2-20029/0218                | 00000/0000       | 06/25/76            | 60              | 7252         | 30.0         | 224.3                              | FGG                 |                      | 10                    | 34                   |
| 06847W                                  | 4856N             | 2721-14342                   | 00000/0000                  | 2-20038/1293     | 01/12/77            | 30              | 52           | 13.8         | 149.3                              | GGGG                |                      | 53                    | 246                  |
| 06848W                                  | 7932N             | 2576-17502                   | 2-20033/0025                | 00000/0000       | 08/20/76            | 90              | 8032         | 22.2         | 199.4                              | GGG                 |                      | 13                    | 26                   |
| 06848W                                  | 7931N             | 2594-17495                   | 2-20033/0153                | 00000/0000       | 09/07/76            | 90              | 8283         | 15.7         | 200.0                              | GGG                 |                      | 47                    | 2                    |
| 06848W                                  | 4846N             | 2487-14420                   | 00000/0000                  | 2-20025/1044     | 05/23/76            | 90              | 6789         | 54.4         | 132.4                              | GGG                 |                      | 47                    | 2                    |
| 06849N                                  | 8042N             | 2605-18515                   | 2-20033/0203                | 00000/0000       | 09/18/76            | 10              | 8437         | 9.2          | 216.2                              | GFGF                |                      | 13                    | 26                   |
| 06849W                                  | 5149N             | 2452-14475                   | 00000/0000                  | 2-20023/0397     | 04/18/76            | 30              | 6301         | 43.8         | 142.5                              | GGG                 |                      | 46                    | 247                  |
| 06849W                                  | 4851N             | 2595-14390                   | 00000/0000                  | 2-20032/0917     | 09/08/76            | 30              | 8295         | 40.4         | 141.6                              | FGGG                |                      | 14                    | 24                   |
| 06850W                                  | 8039N             | 2550-18474                   | 2-20030/1891                | 00000/0000       | 07/25/76            | 0               | 7670         | 27.4         | 214.0                              | GGG                 |                      | 13                    | 26                   |
| 06850W                                  | 4850N             | 2685-14355                   | 00000/0000                  | 2-20037/0423     | 12/07/76            | 100             | 9550         | 14.3         | 153.7                              | GGG                 |                      | 40                    | 248                  |
| 06850W                                  | 4845N             | 2541-14403                   | 00000/0000                  | 2-20028/1763     | 07/16/76            | 60              | 7542         | 53.5         | 128.1                              | GGGF                |                      | 13                    | 26                   |
| 06851W                                  | 4849N             | 2559-14400                   | 00000/0000                  | 2-20030/0719     | 08/03/76            | 30              | 7793         | 50.1         | 131.4                              | GGGG                |                      | 13                    | 26                   |
| 06851W                                  | 3722N             | 2412-14302                   | 00000/0000                  | 2-20021/1299     | 03/09/76            | 100             | 5734         | 37.8         | 135.4                              | GGGG                |                      | 13                    | 26                   |
| 06851W                                  | 2723N             | 2482-14194                   | 00000/0000                  | 2-20025/0885     | 05/18/76            | 10              | 6719         | 58.9         | 97.2                               | GGGG                |                      | 10                    | 34                   |
| 06852W                                  | 4850N             | 2613-14343                   | 00000/0000                  | 2-20034/0050     | 09/26/76            | 40              | 8546         | 34.6         | 146.6                              | GGFG                |                      | 8                     | 41                   |
| 06852W                                  | 4843N             | 2505-14413                   | 00000/0000                  | 2-20026/1654     | 06/10/76            | 70              | 7040         | 56.0         | 128.9                              | GGGG                |                      | 13                    | 26                   |
| 06852W                                  | 4841N             | 2523-14410                   | 00000/0000                  | 2-20028/0308     | 06/28/76            | 90              | 7291         | 55.6         | 127.2                              | GGGG                |                      | 13                    | 26                   |
| 06853W                                  | 4845N             | 2415-14440                   | 00000/0000                  | 2-20021/1548     | 03/12/76            | 0               | 5785         | 31.9         | 143.8                              | GFGF                |                      | 13                    | 26                   |
| 06853W                                  | 4845N             | 2667-14363                   | 00000/0000                  | 2-20036/1052     | 11/19/76            | 100             | 9299         | 17.8         | 154.2                              | GGGG                |                      | 13                    | 26                   |
| 06854W                                  | 5143N             | 2434-14482                   | 00000/0000                  | 2-20022/1032     | 03/31/76            | 90              | 6050         | 37.3         | 144.3                              | FGGG                |                      | 13                    | 26                   |
| 06854W                                  | 4845N             | 2631-14375                   | 00000/0000                  | 2-20034/0741     | 10/14/76            | 100             | 8797         | 28.6         | 150.6                              | GGGG                |                      | 14                    | 24                   |
| 06855W                                  | 4841N             | 2397-14444                   | 00000/0000                  | 2-20021/0493     | 02/23/76            | 10              | 5534         | 25.3         | 145.8                              | FGGG                |                      | 13                    | 26                   |
| 06855W                                  | 4841N             | 2649-14371                   | 00000/0000                  | 2-20035/0422     | 11/01/76            | 90              | 9048         | 22.8         | 153.2                              | GGGG                |                      | 13                    | 26                   |
| 06855W                                  | 2144N             | 2445-14163                   | 00000/0000                  | 2-20023/0021     | 04/11/76            | 70              | 6203         | 33.9         | 106.1                              | GGG                 |                      | 13                    | 26                   |
| 06857W                                  | 4835N             | 2379-14450                   | 00000/0000                  | 2-20020/1003     | 02/05/76            | 30              | 5283         | 19.7         | 148.2                              | GGG                 |                      | 7                     | 45                   |
| 06857W                                  | 4013S             | 2416-13322                   | 00000/0000                  | 2-20021/1575     | 03/13/76            | 0               | 5798         | 32.6         | 62.1                               | GGFF                |                      | 13                    | 26                   |
| 06858W                                  | 7834N             | 2553-17225                   | 2-20031/0005                | 00000/0000       | 07/28/76            | 0               | 7711         | 30.1         | 191.5                              | FGGG                |                      | 247                   | 88                   |
| 06858W                                  | 2556S             | 2419-13452                   | 00000/0000                  | 2-20021/1693     | 03/16/76            | 0               | 5840         | 40.6         | 67.8                               | GGG                 |                      | 43                    | 3                    |
|                                         |                   |                              |                             |                  |                     |                 |              |              |                                    | GGGG                |                      | 250                   | 78                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|--------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06859W                                  | 5131N             | 2506-14463                   | 00000/0000                           | 2-20026/1153     | 06/11/76            | 80              | 7054         | 54.7         | 133.3                              | GFGG                |                      | 14                    | 24                   |
| 06859W                                  | 2551S             | 2401-13455                   | 00000/0000                           | 2-20027/0018     | 02/27/76            | 0               | 5589         | 43.3         | 76.6                               | GFGG                |                      | 250                   | 78                   |
| 06900W                                  | 1000N             | 2623-14033                   | 2-20034/1244                         | 00000/0000       | 10/06/76            | 20              | 8685         | 51.9         | 112.1                              | GGG                 |                      | 5                     | 53                   |
| 06900W                                  | 3552S             | 2399-13372                   | 00000/0000                           | 2-20021/0589     | 02/25/76            | 10              | 5561         | 39.1         | 70.7                               | GGGG                |                      | 248                   | 85                   |
| 06901W                                  | 8004N             | 2526-18142                   | 2-20033/0080                         | 00000/0000       | 07/01/76            | 30              | 7335         | 32.1         | 206.0                              | GGG                 |                      | 53                    | 1                    |
| 06902W                                  | 5137N             | 2614-14432                   | 00000/0000                           | 2-20034/0128     | 09/27/76            | 70              | 8560         | 32.3         | 149.0                              | GGG                 |                      | 14                    | 24                   |
| 06902W                                  | 2601S             | 2383-13462                   | 00000/0000                           | 2-20020/1278     | 02/09/76            | 10              | 5338         | 45.7         | 84.7                               | FFFF                |                      | 250                   | 78                   |
| 06903W                                  | 3144N             | 2483-14241                   | 00000/0000                           | 2-20025/0913     | 05/19/76            | 90              | 6733         | 58.9         | 104.6                              | GGGG                |                      | 9                     | 38                   |
| 06905W                                  | 3146N             | 2429-14254                   | 00000/0000                           | 2-20027/0508     | 03/26/76            | 40              | 5980         | 46.6         | 125.7                              | GGGG                |                      | 9                     | 38                   |
| 06905W                                  | 3558S             | 2361-13375                   | 00000/0000                           | 2-20020/1191     | 02/07/76            | 10              | 5310         | 42.6         | 77.2                               | FFFF                |                      | 248                   | 85                   |
| 06905W                                  | 4013S             | 2380-13332                   | 00000/0000                           | 2-20020/1121     | 02/06/76            | 40              | 5296         | 41.0         | 74.7                               | GGGG                |                      | 247                   | 88                   |
| 06906W                                  | 8058N             | 2538-19220                   | 2-20029/0287                         | 00000/0000       | 07/13/76            | 90              | 7503         | 28.5         | 223.0                              | GGG                 |                      | 53                    | 246                  |
| 06906W                                  | 4422S             | 2397-13282                   | 00000/0000                           | 2-20021/0510     | 02/23/76            | 30              | 5533         | 34.8         | 67.4                               | GGFF                |                      | 246                   | 91                   |
| 06907W                                  | 3141S             | 2418-13411                   | 00000/0000                           | 2-20022/0105     | 03/15/76            | 0               | 5826         | 37.5         | 64.9                               | FFFF                |                      | 249                   | 82                   |
| 06909W                                  | 3137N             | 2411-14261                   | 00000/0000                           | 2-20021/1351     | 03/08/76            | 30              | 5729         | 40.6         | 130.8                              | GGGG                |                      | 9                     | 38                   |
| 06910W                                  | 7919N             | 2521-17461                   | 2-20029/0223                         | 00000/0000       | 06/26/76            | 60              | 7265         | 33.6         | 198.6                              | PPF                 |                      | 48                    | 2                    |
| 06910W                                  | 3601N             | 2484-14283                   | 00000/0000                           | 2-20025/1093     | 05/20/76            | 20              | 6747         | 58.5         | 111.9                              | GGGG                |                      | 10                    | 35                   |
| 06910W                                  | 4424S             | 2379-13285                   | 00000/0000                           | 2-20021/0079     | 02/05/76            | 0               | 5282         | 39.1         | 72.6                               | GGGG                |                      | 246                   | 91                   |
| 06912W                                  | 7927N             | 2612-17492                   | 2-20034/1222                         | 00000/0000       | 09/25/76            | 60              | 8534         | 8.8          | 200.5                              | GG                  |                      | 48                    | 2                    |
| 06914W                                  | 8043N             | 2569-18525                   | 2-20032/1891                         | 00000/0000       | 08/13/76            | 80              | 7935         | 22.2         | 214.9                              | GGG                 |                      | 46                    | 247                  |
| 06914W                                  | 6528N             | 2477-15231                   | 2-20027/0605                         | 00000/0000       | 05/13/76            | 70              | 6650         | 41.7         | 157.8                              | G                   |                      | 21                    | 14                   |
| 06914W                                  | 3603N             | 2430-14301                   | 00000/0000                           | 2-20027/0825     | 03/27/76            | 10              | 5994         | 44.9         | 129.9                              | GGGG                |                      | 10                    | 35                   |
| 06915W                                  | 8011N             | 2563-18190                   | 2-20031/0066                         | 00000/0000       | 08/07/76            | 80              | 7851         | 25.2         | 206.1                              | GGG                 |                      | 53                    | 1                    |
| 06917W                                  | 6644N             | 2406-15303                   | 2-20027/0618                         | 00000/0000       | 03/03/76            | 10              | 5660         | 15.3         | 159.9                              | GGG                 |                      | 22                    | 13                   |
| 06917W                                  | 2018N             | 2445-14170                   | 00000/0000                           | 2-20023/0022     | 04/11/76            | 90              | 6203         | 54.0         | 104.0                              | GGFG                |                      | 7                     | 46                   |
| 06918W                                  | 5830N             | 2365-15052                   | 00000/0000                           | 2-20028/0169     | 01/22/76            | 0               | 5088         | 8.9          | 155.5                              | FFGG                |                      | 17                    | 19                   |
| 06918W                                  | 3556N             | 2412-14304                   | 00000/0000                           | 2-20021/1300     | 03/09/76            | 100             | 5734         | 38.6         | 134.2                              | GGGG                |                      | 10                    | 35                   |
| 06919W                                  | 0414S             | 2531-13585                   | 00000/0000                           | 2-20028/0811     | 07/06/76            | 30              | 7402         | 42.0         | 54.1                               | GGGG                |                      | 3                     | 63                   |
| 06919W                                  | 5136S             | 2413-13183                   | 00000/0000                           | 2-20021/1443     | 03/10/76            | 30              | 5756         | 25.7         | 61.0                               | GGGG                |                      | 244                   | 96                   |
| 06921W                                  | 7843N             | 2572-17275                   | 2-20033/0011                         | 00000/0000       | 08/16/76            | 10              | 7976         | 24.6         | 192.7                              | GGG                 |                      | 44                    | 3                    |
| 06921W                                  | 0835N             | 2623-14040                   | 2-20034/1245                         | 00000/0000       | 10/06/76            | 10              | 8685         | 52.2         | 110.3                              | GGG                 |                      | 5                     | 54                   |
| 06921W                                  | 2722S             | 2419-13454                   | 00000/0000                           | 2-20021/1694     | 03/16/76            | 0               | 5840         | 39.8         | 66.9                               | GGGG                |                      | 250                   | 79                   |
| 06922W                                  | 5123S             | 2377-13193                   | 00000/0000                           | 2-20020/0885     | 02/03/76            | 30              | 5254         | 35.8         | 70.3                               | FFGG                |                      | 244                   | 96                   |
| 06924W                                  | 8037N             | 2532-18481                   | 2-20029/0260                         | 00000/0000       | 07/07/76            | 30              | 7419         | 30.4         | 214.3                              | GGG                 |                      | 40                    | 248                  |
| 06924W                                  | 6521N             | 2405-15251                   | 2-20027/0551                         | 00000/0000       | 03/02/76            | 30              | 5646         | 16.0         | 158.3                              | GGG                 |                      | 21                    | 14                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RFLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRIGHT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|-----------------------------|------------------|---------------------|------------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   |                             |                  |                     |                  |              |              | 123 45678             |                     |                      |                       |                      |
| 06925W                      | 7843N             | 2590-17273            | 2-20033/0111                | 00000/0000       | 09/03/76            | 90               | 8227         | 18.4         | 193.4                 | GGG                 |                      | 44                    | 3                    |
| 06925W                      | 2726S             | 2383-13465            | 00000/0000                  | 2-20020/1279     | 02/09/76            | 10               | 5338         | 45.3         | 83.4                  | PPPP                |                      | 250                   | 79                   |
| 06926W                      | 7828N             | 2517-17235            | 2-20029/0197                | 00000/0000       | 06/22/76            | 40               | 7209         | 34.8         | 192.4                 | GGG                 |                      | 44                    | 3                    |
| 06927W                      | 7935N             | 2595-17553            | 2-20033/0158                | 00000/0000       | 09/08/76            | 90               | 8297         | 15.2         | 200.7                 | GGG                 |                      | 48                    | 2                    |
| 06927W                      | 4138S             | 2416-13324            | 00000/0000                  | 2-20021/1576     | 03/13/76            | 0                | 5798         | 31.7         | 61.7                  | GGGG                |                      | 247                   | 89                   |
| 06928W                      | 3018N             | 2483-14243            | 00000/0000                  | 2-20025/0914     | 05/19/76            | 90               | 6733         | 59.0         | 102.0                 | GGGG                |                      | 9                     | 39                   |
| 06929W                      | 5024N             | 2452-14481            | 00000/0000                  | 2-20023/0398     | 04/18/76            | 90               | 6301         | 44.7         | 140.9                 | GGGG                |                      | 14                    | 25                   |
| 06930W                      | 3020N             | 2429-14260            | 00000/0000                  | 2-20027/0509     | 03/26/76            | 30               | 5980         | 47.2         | 124.1                 | GGGG                |                      | 9                     | 39                   |
| 06932W                      | 5017N             | 2470-14474            | 00000/0000                  | 2-20024/1302     | 05/06/76            | 80               | 6552         | 50.2         | 137.9                 | GGGG                |                      | 14                    | 25                   |
| 06932W                      | 3307S             | 2418-13414            | 00000/0000                  | 2-20027/0106     | 03/15/76            | 0                | 5826         | 36.6         | 64.2                  | GGGG                |                      | 249                   | 83                   |
| 06933W                      | 5552N             | 2562-14550            | 00000/0000                  | 2-20030/0881     | 08/06/76            | 60               | 7835         | 45.6         | 141.4                 | GGGG                |                      | 16                    | 21                   |
| 06933W                      | 3723S             | 2381-13381            | 00000/0000                  | 2-20020/1192     | 02/07/76            | 50               | 5310         | 42.0         | 76.2                  | GFFG                |                      | 248                   | 86                   |
| 06934W                      | 7928N             | 2558-17505            | 2-20031/0037                | 00000/0000       | 08/02/76            | 20               | 7781         | 27.7         | 198.3                 | GGG                 |                      | 48                    | 2                    |
| 06934W                      | 3011N             | 2411-14264            | 00000/0000                  | 2-20021/1352     | 03/08/76            | 80               | 5729         | 41.3         | 129.6                 | GGGG                |                      | 9                     | 39                   |
| 06935W                      | 7829N             | 2535-17232            | 2-20029/0306                | 00000/0000       | 07/10/76            | 90               | 7460         | 33.5         | 191.4                 | PPP                 |                      | 44                    | 3                    |
| 06935W                      | 5021N             | 2578-14445            | 00000/0000                  | 2-20030/1515     | 08/22/76            | 80               | 8058         | 44.6         | 138.3                 | PGGG                |                      | 14                    | 25                   |
| 06935W                      | 5018N             | 2434-14485            | 00000/0000                  | 2-20027/1033     | 03/31/76            | 90               | 6050         | 38.2         | 143.0                 | GGGG                |                      | 14                    | 25                   |
| 06935W                      | 5016N             | 2560-14152            | 00000/0000                  | 2-20030/0723     | 08/04/76            | 20               | 7807         | 49.2         | 133.6                 | GGGG                |                      | 14                    | 25                   |
| 06935W                      | 4138S             | 2380-13335            | 00000/0000                  | 2-20020/1122     | 02/06/76            | 50               | 5296         | 40.3         | 73.9                  | PPPP                |                      | 247                   | 89                   |
| 06937W                      | 5019N             | 2704-14402            | 00000/0000                  | 2-20037/1336     | 12/26/76            | 70               | 9815         | 11.8         | 152.4                 | PPGF                |                      | 14                    | 25                   |
| 06937W                      | 3436N             | 2484-14290            | 00000/0000                  | 2-20025/1094     | 05/20/76            | 30               | 6747         | 58.7         | 109.4                 | GGGG                |                      | 10                    | 36                   |
| 06938W                      | 5011N             | 2416-14492            | 00000/0000                  | 2-20021/1554     | 03/13/76            | 100              | 5799         | 31.3         | 144.8                 | GFFG                |                      | 14                    | 25                   |
| 06938W                      | 5010N             | 2488-14472            | 00000/0000                  | 2-20025/1222     | 05/24/76            | 90               | 6803         | 53.8         | 134.3                 | GGG                 |                      | 14                    | 25                   |
| 06939W                      | 5007N             | 2506-14465            | 00000/0000                  | 2-20026/1154     | 06/11/76            | 90               | 7054         | 55.4         | 131.0                 | GGGG                |                      | 14                    | 25                   |
| 06939W                      | 0540S             | 2531-13592            | 00000/0000                  | 2-20028/0812     | 07/06/76            | 50               | 7402         | 40.9         | 53.2                  | GGGG                |                      | 3                     | 64                   |
| 06939W                      | 3309S             | 2382-13424            | 00000/0000                  | 2-20020/1193     | 02/08/76            | 60               | 5324         | 43.6         | 79.0                  | FG G                |                      | 249                   | 83                   |
| 06940W                      | 3437N             | 2430-14303            | 00000/0000                  | 2-20027/0826     | 03/27/76            | 10               | 5994         | 45.6         | 128.4                 | GGGG                |                      | 10                    | 36                   |
| 06940W                      | 4547S             | 2397-13285            | 00000/0000                  | 2-20021/0511     | 02/23/76            | 40               | 5533         | 33.9         | 66.9                  | GGFF                |                      | 246                   | 92                   |
| 06941W                      | 3858N             | 2449-14342            | 00000/0000                  | 2-20023/0229     | 04/15/76            | 20               | 6259         | 49.9         | 128.1                 | GGGF                |                      | 11                    | 33                   |
| 06941W                      | 3857N             | 2467-14335            | 00000/0000                  | 2-20024/1364     | 05/03/76            | 90               | 6510         | 54.8         | 122.6                 | GGGG                |                      | 11                    | 33                   |
| 06941W                      | 0708N             | 2623-14042            | 2-20034/1246                | 00000/0000       | 10/06/76            | 10               | 8685         | 52.4         | 107.4                 | GGG                 |                      | 5                     | 55                   |
| 06942W                      | 5012N             | 2614-14435            | 00000/0000                  | 2-20034/0129     | 09/27/76            | 90               | 8560         | 33.3         | 147.9                 | GGGG                |                      | 14                    | 25                   |
| 06942W                      | 5007N             | 2398-14495            | 00000/0000                  | 2-20021/0512     | 02/24/76            | 60               | 5548         | 24.6         | 146.6                 | GGGG                |                      | 14                    | 25                   |
| 06942W                      | 3851N             | 2485-14333            | 00000/0000                  | 2-20026/0588     | 05/21/76            | 40               | 6761         | 57.9         | 116.6                 | GGGF                |                      | 11                    | 33                   |
| 06943W                      | 3859N             | 2575-14310            | 00000/0000                  | 2-20030/1616     | 08/19/76            | 70               | 8016         | 50.8         | 123.3                 | GGGG                |                      | 11                    | 33                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER,  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG | LAT   | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RRLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 06943N                              | 3856N | 2431-14350        | 00000/0000                   | 2-20022/0803                | 03/28/76         | 50                  | 6008            | 43.8         | 132.6        |                                    |                     |                      |                       |                      |
| 06944N                              | 5006N | 2632-14431        | 00000/0000                   | 2-20034/0848                | 10/15/76         | 90                  | 8811            | 27.2         | 151.7        | FGGG                               |                     |                      | 11                    | 33                   |
| 06944N                              | 3857N | 2593-14303        | 00000/0000                   | 2-20032/0862                | 09/06/76         | 40                  | 8267            | 46.6         | 130.7        | GGGG                               |                     |                      | 14                    | 25                   |
| 06944N                              | 3846N | 2503-14330        | 00000/0000                   | 2-20022/1281                | 06/08/76         | 20                  | 7012            | 59.1         | 111.7        | GGGG                               |                     |                      | 11                    | 33                   |
| 06944W                              | 3430N | 2412-14311        | 00000/0000                   | 2-20021/1301                | 03/09/76         | 90                  | 5734            | 39.4         | 133.0        | GGGG                               |                     |                      | 11                    | 33                   |
| 06944W                              | 2848S | 2419-13461        | 00000/0000                   | 2-20021/1695                | 03/16/76         | 0                   | 5840            | 39.0         | 66.1         | GGGG                               |                     |                      | 10                    | 36                   |
| 06944W                              | 4549S | 2379-13292        | 00000/0000                   | 2-20021/0080                | 02/05/76         | 10                  | 5282            | 38.4         | 72.0         | GGGG                               |                     |                      | 250                   | 80                   |
| 06945W                              | 3857N | 2701-14263        | 00000/0000                   | 2-20034/0119                | 12/23/76         | 60                  | 9773            | 20.4         | 147.9        | GGGG                               |                     |                      | 246                   | 92                   |
| 06945W                              | 3849N | 2539-14320        | 00000/0000                   | 2-20028/1469                | 07/14/76         | 70                  | 7514            | 56.9         | 111.6        | GGFF                               | H                   |                      | 11                    | 33                   |
| 06945W                              | 2844S | 2401-13464        | 00000/0000                   | 2-20021/0785                | 02/27/76         | 0                   | 5589            | 42.1         | 74.4         | GGGG                               |                     |                      | 11                    | 33                   |
| 06947W                              | 4955N | 2380-14502        | 00000/0000                   | 2-20020/1156                | 02/06/76         | 10                  | 5297            | 19.0         | 148.8        | GGGG                               |                     |                      | 250                   | 80                   |
| 06947W                              | 3853N | 2611-14300        | 00000/0000                   | 2-20032/1739                | 09/24/76         | 30                  | 8518            | 41.7         | 137.6        | GGGG                               |                     |                      | 14                    | 25                   |
| 06947W                              | 3844N | 2521-14323        | 00000/0000                   | 2-20027/0451                | 06/26/76         | 40                  | 7263            | 58.6         | 109.9        | GGGG                               |                     |                      | 11                    | 33                   |
| 06948N                              | 8014N | 2438-18281        | 00000/0000                   | 2-20027/1321                | 04/04/76         | 10                  | 6108            | 14.7         | 207.7        | GGGG                               |                     |                      | 11                    | 33                   |
| 06948W                              | 3852N | 2683-14272        | 00000/0000                   | 2-20037/0197                | 12/05/76         | 30                  | 9522            | 22.3         | 149.4        | GGGG                               |                     |                      | 53                    | 1                    |
| 06948W                              | 3848N | 2395-14360        | 00000/0000                   | 2-20021/0216                | 02/21/76         | 10                  | 5506            | 31.1         | 139.9        | GGGG                               |                     |                      | 11                    | 33                   |
| 06948W                              | 3846N | 2413-14353        | 00000/0000                   | 2-20021/1420                | 03/10/76         | 90                  | 5757            | 37.4         | 136.3        | GGGG                               |                     |                      | 11                    | 33                   |
| 06948W                              | 2842S | 2365-13473        | 00000/0000                   | 2-20020/0103                | 01/22/76         | 10                  | 5087            | 47.6         | 88.4         | GGFG                               |                     |                      | 11                    | 33                   |
| 06949W                              | 2851S | 2383-13471        | 00000/0000                   | 2-20020/1280                | 02/09/76         | 20                  | 5338            | 44.9         | 82.1         | FFFF                               |                     |                      | 250                   | 80                   |
| 06950W                              | 3846N | 2665-14280        | 00000/0000                   | 2-20036/0871                | 11/17/76         | 60                  | 9271            | 26.0         | 149.4        | GGGG                               |                     |                      | 11                    | 33                   |
| 06951W                              | 3846N | 2647-14285        | 00000/0000                   | 2-20035/0315                | 10/30/76         | 10                  | 9020            | 30.9         | 147.3        | GGFG                               |                     |                      | 11                    | 33                   |
| 06951W                              | 3845N | 2629-14293        | 00000/0000                   | 2-20034/0709                | 10/12/76         | 90                  | 8769            | 36.4         | 143.3        | GGGG                               |                     |                      | 11                    | 33                   |
| 06953W                              | 2852N | 2483-14250        | 00000/0000                   | 2-20025/0915                | 05/19/76         | 50                  | 6733            | 59.0         | 99.4         | FGGG                               |                     |                      | 9                     | 40                   |
| 06954W                              | 3841N | 2377-14363        | 00000/0000                   | 2-20020/0880                | 02/03/76         | 90                  | 5255            | 26.1         | 143.3        | GGFG                               |                     |                      | 11                    | 33                   |
| 06954W                              | 2854N | 2429-14263        | 00000/0000                   | 2-20022/0510                | 03/26/76         | 40                  | 5980            | 47.7         | 122.5        | GGGG                               |                     |                      | 9                     | 40                   |
| 06956W                              | 8006N | 2545-18193        | 2-20029/0272                 | 00000/0000                  | 07/20/76         | 0                   | 7600            | 29.6         | 205.6        | GGG                                |                     |                      | 53                    | 1                    |
| 06956W                              | 3842S | 2399-13381        | 00000/0000                   | 2-20021/0590                | 02/25/76         | 0                   | 5561            | 37.5         | 69.1         | GGGG                               |                     |                      | 248                   | 87                   |
| 06958W                              | 2845N | 2411-14270        | 00000/0000                   | 2-20021/1353                | 03/08/76         | 30                  | 5729            | 42.0         | 128.3        | GGGG                               |                     |                      | 9                     | 40                   |
| 06958W                              | 3432S | 2418-13420        | 00000/0000                   | 2-20022/0107                | 03/15/76         | 0                   | 5826            | 35.8         | 63.6         | GGGG                               |                     |                      | 249                   | 84                   |
| 06959W                              | 0707S | 2531-13594        | 00000/0000                   | 2-20028/0813                | 07/06/76         | 10                  | 7402            | 39.9         | 52.4         | GGFF                               |                     |                      | 3                     | 65                   |
| 06959W                              | 4304S | 2416-13331        | 00000/0000                   | 2-20021/1577                | 03/13/76         | 0                   | 5798            | 30.7         | 61.3         | GGGG                               |                     |                      | 247                   | 90                   |
| 07001W                              | 7935N | 2577-17560        | 2-20033/0032                 | 00000/0000                  | 08/21/76         | 60                  | 8046            | 21.8         | 199.7        | GGG                                |                     |                      | 48                    | 2                    |
| 07001W                              | 0541N | 2623-14045        | 2-20034/1247                 | 00000/0000                  | 10/06/76         | 20                  | 8685            | 52.7         | 106.5        | GGG                                |                     |                      | 5                     | 56                   |
| 07001W                              | 3848S | 2381-13384        | 00000/0000                   | 2-20020/0914                | 02/07/76         | 30                  | 5310            | 41.4         | 75.3         | FF                                 |                     |                      | 248                   | 87                   |
| 07003W                              | 3309N | 2484-14292        | 00000/0000                   | 2-20025/1095                | 05/20/76         | 10                  | 6747            | 58.9         | 106.8        | GGGG                               |                     |                      | 10                    | 37                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=BN GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NR./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 07005W                      | 7931N             | 2613-17550                                         | 2-P0034/1225     | 00000/0000          | 09/26/76        | 20           | 8548         | 8.3                   | P01.2               |                      |                       |                      |
| 07005W                      | 3434S             | 2382-13431                                         | 00000/0000       | 2-20020/1194        | 02/08/76        | 40           | 5324         | 43.0                  | 77.9                | GGG                  | 48                    | 2                    |
| 07006W                      | 8044N             | 2388-18580                                         | 2-P0033/0173     | 00000/0000          | 09/01/76        | 60           | 8200         | 15.7                  | 215.7               | GG                   | 249                   | 84                   |
| 07006W                      | 3311N             | 2430-14310                                         | 00000/0000       | 2-20022/0827        | 03/27/76        | 10           | 5994         | 46.3                  | 126.9               | GG                   | 47                    | 247                  |
| 07007W                      | 8040N             | 2551-18532                                         | 2-P0030/1898     | 00000/0000          | 07/26/76        | 30           | 7684         | 27.2                  | 214.2               | GGG                  | 10                    | 37                   |
| 07007W                      | 1122N             | 2624-14085                                         | 2-P0034/1248     | 00000/0000          | 10/07/76        | 20           | 8699         | 51.4                  | 114.5               | GGG                  | 41                    | 248                  |
| 07007W                      | 3014S             | 2419-13463                                         | 00000/0000       | 2-20021/1696        | 03/16/76        | 0            | 5840         | 38.2                  | 65.3                | GGG                  | 6                     | 52                   |
| 07008W                      | 4859N             | 2452-14484                                         | 00000/0000       | 2-20023/0399        | 04/18/76        | 90           | 6301         | 45.6                  | 139.3               | FFFF                 | 250                   | 81                   |
| 07009W                      | 3733N             | 2449-14345                                         | 00000/0000       | 2-20023/0230        | 04/15/76        | 30           | 6259         | 50.5                  | 126.3               | GGGG                 | 14                    | 26                   |
| 07009W                      | 3731N             | 2467-14342                                         | 00000/0000       | 2-20024/1365        | 05/03/76        | 90           | 6510         | 55.3                  | 120.4               | GGFG                 | 11                    | 34                   |
| 07010W                      | 3726N             | 2485-14335                                         | 00000/0000       | 2-20026/0589        | 05/21/76        | 20           | 6761         | 58.3                  | 114.1               | GGGG                 | 11                    | 34                   |
| 07010W                      | 3305N             | 2412-14313                                         | 00000/0000       | 2-20021/1302        | 03/09/76        | 90           | 5734         | 40.2                  | 131.8               | GGGG                 | 10                    | 37                   |
| 07011W                      | 4851N             | 2470-14481                                         | 00000/0000       | 2-20024/1303        | 05/06/76        | 40           | 6552         | 50.9                  | 136.0               | GGGG                 | 14                    | 26                   |
| 07011W                      | 3730N             | 2431-14352                                         | 00000/0000       | 2-20022/0804        | 03/28/76        | 70           | 6008         | 44.6                  | 131.1               | FGGG                 | 11                    | 34                   |
| 07012W                      | 3733N             | 2575-14312                                         | 00000/0000       | 2-20030/1617        | 08/19/76        | 50           | 8016         | 51.3                  | 121.4               | GGGG                 | 11                    | 34                   |
| 07013W                      | 5706N             | 2365-15054                                         | 00000/0000       | 2-20020/0170        | 01/22/76        | 10           | 5088         | 10.0                  | 154.7               | GGGG                 | 11                    | 34                   |
| 07013W                      | 4856N             | 2578-14451                                         | 00000/0000       | 2-20030/1516        | 08/22/76        | 50           | 8058         | 45.4                  | 136.6               | GGGG                 | 17                    | 20                   |
| 07013W                      | 4854N             | 2434-14491                                         | 00000/0000       | 2-20022/1034        | 03/31/76        | 100          | 6050         | 39.1                  | 141.7               | FFGG                 | 14                    | 26                   |
| 07013W                      | 4851N             | 2560-14454                                         | 00000/0000       | 2-20030/0724        | 08/04/76        | 10           | 7807         | 49.9                  | 131.7               | GGGG                 | 14                    | 26                   |
| 07013W                      | 3731N             | 2593-14305                                         | 00000/0000       | 2-20032/0863        | 09/06/76        | 60           | 8267         | 47.3                  | 129.0               | GGGG                 | 11                    | 34                   |
| 07013W                      | 3723N             | 2539-14323                                         | 00000/0000       | 2-20028/1470        | 07/14/76        | 70           | 7514         | 57.1                  | 109.2               | FGGG                 | 11                    | 34                   |
| 07013W                      | 3721N             | 2503-14333                                         | 00000/0000       | 2-20026/1282        | 06/08/76        | 90           | 7012         | 59.3                  | 109.1               | GGGG                 | 11                    | 34                   |
| 07013W                      | 3007S             | 2365-13475                                         | 00000/0000       | 2-20020/0104        | 01/22/76        | 10           | 5087         | 47.3                  | 87.0                | GGGG                 | 250                   | 81                   |
| 07013W                      | 3017S             | 2383-13474                                         | 00000/0000       | 2-20020/1281        | 02/09/76        | 30           | 5338         | 44.4                  | 80.9                | GGGG                 | 250                   | 81                   |
| 07014W                      | 7836N             | 2554-17283                                         | 2-P0031/0012     | 00000/0000          | 07/29/76        | 0            | 7725         | 29.8                  | 191.6               | PPPP                 | 44                    | 3                    |
| 07014W                      | 3731N             | 2701-14270                                         | 00000/0000       | 2-20038/0120        | 12/23/76        | 90           | 9773         | 21.5                  | 147.3               | GGG                  | 11                    | 34                   |
| 07014W                      | 3731N             | 2719-14261                                         | 00000/0000       | 2-20038/1202        | 01/10/77        | 90           | 24           | 21.8                  | 144.5               | FFGF                 | 11                    | 34                   |
| 07015W                      | 4854N             | 2704-14404                                         | 00000/0000       | 2-20037/1337        | 12/26/76        | 90           | 9815         | 12.9                  | 151.7               | GG                   | 14                    | 26                   |
| 07015W                      | 3727N             | 2611-14302                                         | 00000/0000       | 2-20032/1740        | 09/24/76        | 30           | 8518         | 42.6                  | 136.3               | PPGG                 | 11                    | 34                   |
| 07015W                      | 3718N             | 2521-14330                                         | 00000/0000       | 2-20027/0452        | 06/26/76        | 50           | 7263         | 58.8                  | 107.3               | FFGG                 | 11                    | 34                   |
| 07016W                      | 4845N             | 2488-14474                                         | 00000/0000       | 2-20025/1223        | 05/24/76        | 90           | 6803         | 54.5                  | 132.1               | GGGG                 | 14                    | 26                   |
| 07016W                      | 3726N             | 2683-14274                                         | 00000/0000       | 2-20037/0198        | 12/05/76        | 70           | 9522         | 23.4                  | 148.8               | FGGG                 | 11                    | 34                   |
| 07016W                      | 3720N             | 2413-14360                                         | 00000/0000       | 2-20021/1421        | 03/10/76        | 90           | 5757         | 38.2                  | 135.2               | GGGG                 | 11                    | 34                   |
| 07016W                      | 2726N             | 2483-14252                                         | 00000/0000       | 2-20025/0916        | 05/19/76        | 20           | 6733         | 49.0                  | 94.9                | GGGG                 | 9                     | 41                   |
| 07017W                      | 4854N             | 2596-14444                                         | 00000/0000       | 2-20032/0858        | 09/09/76        | 0            | 8305         | 40.1                  | 141.9               | FFGG                 | 14                    | 26                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07017W 4846N                            | 2416-14495        | 00000/0000                   | 2-20021/1555                | 03/13/76         | 100                 | 5799            | 32.2         | 143.7        | GGGG                               |                     |                      | 14                    | 26                   |
| 07017W 4842N                            | 2506-14472        | 00000/0000                   | 2-20026/1155                | 05/11/76         | 90                  | 7054            | 56.0         | 128.7        | GGGG                               |                     |                      | 14                    | 26                   |
| 07017W 3722N                            | 2395-14363        | 00000/0000                   | 2-20021/0217                | 02/21/76         | 30                  | 5506            | 32.0         | 138.9        | GGGG                               |                     |                      | 11                    | 34                   |
| 07018W 8043N                            | 2570-18583        | 2-20032/1897                 | 00000/0000                  | 08/14/76         | 40                  | 7949            | 21.9         | 215.1        | GGG                                |                     |                      | 47                    | 247                  |
| 07018W 8006N                            | 2527-18200        | 2-20033/0085                 | 00000/0000                  | 07/02/76         | 60                  | 7349            | 32.0         | 206.1        | GGG                                |                     |                      | 53                    | 1                    |
| 07018W 4843N                            | 2542-14462        | 00000/0000                   | 2-20028/1729                | 07/17/76         | 80                  | 7556            | 53.4         | 128.2        | GGGG                               |                     |                      | 14                    | 26                   |
| 07018W 3721N                            | 2665-14283        | 00000/0000                   | 2-20034/0872                | 11/17/76         | 90                  | 9271            | 27.1         | 148.6        | GGGG                               |                     |                      | 11                    | 34                   |
| 07019W 4839N                            | 2524-14465        | 00000/0000                   | 2-20028/0339                | 06/29/76         | 90                  | 7305            | 55.6         | 127.1        | GG                                 |                     |                      | 14                    | 26                   |
| 07019W 3721N                            | 2647-14291        | 00000/0000                   | 2-20035/0316                | 10/30/76         | 20                  | 9020            | 32.0         | 146.5        | GGGG                               |                     |                      | 11                    | 34                   |
| 07019W 3719N                            | 2629-14295        | 00000/0000                   | 2-20034/0710                | 10/12/76         | 80                  | 8769            | 37.4         | 142.3        | GGGG                               |                     |                      | 11                    | 34                   |
| 07020W 7920N                            | 2522-17520        | 2-20029/0231                 | 00000/0000                  | 06/27/76         | 100                 | 7279            | 33.5         | 198.7        | GGG                                |                     |                      | 49                    | 2                    |
| 07020W 0834S                            | 2531-14001        | 00000/0000                   | 2-20028/0814                | 07/06/76         | 10                  | 7402            | 38.8         | 51.6         | GGGG                               |                     |                      | 3                     | 66                   |
| 07021W 5428N                            | 2562-14553        | 00000/0000                   | 2-20030/0882                | 08/06/76         | 60                  | 7835            | 46.4         | 139.6        | GGGG                               |                     |                      | 16                    | 22                   |
| 07021W 4848N                            | 2614-14441        | 00000/0000                   | 2-20034/0130                | 09/27/76         | 90                  | 8560            | 34.3         | 146.8        | GGGG                               |                     |                      | 14                    | 26                   |
| 07021W 4845N                            | 2668-14421        | 00000/0000                   | 2-20036/1083                | 11/20/76         | 90                  | 9313            | 17.6         | 154.2        | G                                  |                     |                      | 14                    | 26                   |
| 07021W 4843N                            | 2398-14502        | 00000/0000                   | 2-20021/0513                | 02/24/76         | 40                  | 5548            | 25.6         | 145.7        | GGGG                               |                     |                      | 14                    | 26                   |
| 07021W 4842N                            | 2650-14430        | 00000/0000                   | 2-20035/0321                | 11/02/76         | 90                  | 9062            | 22.5         | 153.3        | GGGG                               |                     |                      | 14                    | 26                   |
| 07022W 8058N                            | 2539-19274        | 2-20029/0293                 | 00000/0000                  | 07/14/76         | 90                  | 7517            | 28.4         | 223.2        | GGG                                |                     |                      | 54                    | 246                  |
| 07022W 7747N                            | 2605-17101        | 2-20033/0202                 | 00000/0000                  | 09/13/76         | 30                  | 8436            | 13.7         | 189.0        | GGG                                |                     |                      | 40                    | 4                    |
| 07022W 4842N                            | 2632-14434        | 00000/0000                   | 2-20034/0849                | 10/15/76         | 90                  | 8811            | 28.3         | 150.8        | GGGG                               |                     |                      | 14                    | 26                   |
| 07022W 3716N                            | 2377-14370        | 00000/0000                   | 2-20020/0881                | 02/03/76         | 80                  | 6255            | 27.1         | 142.6        | GGFF                               |                     |                      | 11                    | 34                   |
| 07023W 4012S                            | 2417-13380        | 00000/0000                   | 2-20021/1558                | 03/14/76         | 10                  | 5812            | 32.4         | 61.8         | FFFF                               |                     |                      | 248                   | 88                   |
| 07024W 5137N                            | 2417-14544        | 00000/0000                   | 2-20021/1616                | 03/14/76         | 20                  | 5813            | 30.7         | 145.8        | GGGG                               |                     |                      | 15                    | 24                   |
| 07025W 4007S                            | 2399-13383        | 00000/0000                   | 2-20021/0591                | 02/25/76         | 0                   | 5561            | 36.8         | 68.5         | GGGG                               |                     |                      | 248                   | 88                   |
| 07027W 7921N                            | 2540-17513        | 2-20030/1858                 | 00000/0000                  | 07/15/76         | 30                  | 7530            | 31.7         | 197.8        | GGG                                |                     |                      | 49                    | 2                    |
| 07027W 0955N                            | 2624-14092        | 2-20034/1249                 | 00000/0000                  | 10/07/76         | 40                  | 8699            | 51.8         | 112.6        | GGG                                |                     |                      | 6                     | 53                   |
| 07028W 5131N                            | 2633-14483        | 00000/0000                   | 2-20034/0826                | 10/16/76         | 90                  | 8825            | 25.8         | 152.8        | GGGG                               |                     |                      | 15                    | 24                   |
| 07029W 3143N                            | 2484-14295        | 00000/0000                   | 2-20025/1096                | 05/20/76         | 0                   | 6747            | 59.0         | 104.2        | GGGG                               |                     |                      | 10                    | 38                   |
| 07030W 4013S                            | 2381-13390        | 00000/0000                   | 2-20020/0915                | 02/07/76         | 30                  | 5310            | 40.8         | 74.4         | PPPP                               |                     |                      | 248                   | 88                   |
| 07032W 3145N                            | 2430-14312        | 00000/0000                   | 2-20022/0828                | 03/27/76         | 20                  | 5994            | 46.9         | 125.3        | GFGG                               |                     |                      | 10                    | 38                   |
| 07032W 3139S                            | 2419-13470        | 00000/0000                   | 2-20021/1697                | 03/16/76         | 10                  | 5840            | 37.3         | 64.6         | GGGG                               |                     |                      | 250                   | 82                   |
| 07032W 3559S                            | 2382-13433        | 00000/0000                   | 2-20020/1195                | 02/08/76         | 20                  | 5324            | 42.4         | 76.9         | GGFG                               |                     |                      | 249                   | 85                   |
| 07035W 6523N                            | 2478-15285        | 2-20027/0615                 | 00000/0000                  | 05/14/76         | 100                 | 6664            | 42.0         | 157.6        | GGG                                |                     |                      | 22                    | 14                   |
| 07035W 6407N                            | 2477-15233        | 2-20027/0606                 | 00000/0000                  | 05/13/76         | 60                  | 6650            | 42.7         | 155.7        | GGG                                |                     |                      | 21                    | 15                   |
| 07035W 3139N                            | 2412-14320        | 00000/0000                   | 2-20021/1303                | 03/09/76         | 40                  | 5734            | 40.9         | 130.6        | GGGG                               |                     |                      | 10                    | 38                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV<br>MSS                              |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07036W                      | 3605N             | 2467-14344                              | 00000/0000       | 2-20024/1366        | 05/03/76        | 90           | 6510         | 55.8                  | 118.1               |                      |                       |                      |
| 07037W                      | 3607N             | 2449-14351                              | 00000/0000       | 2-20023/0231        | 04/15/76        | 30           | 6259         | 51.1                  | 124.4               | GGGG                 | 11                    | 35                   |
| 07037W                      | 3133S             | 2365-13482                              | 00000/0000       | 2-20020/0105        | 01/22/76        | 10           | 5087         | 47.0                  | 85.6                | GGFG                 | 11                    | 35                   |
| 07038W                      | 3605N             | 2431-14355                              | 00000/0000       | 2-20022/0305        | 03/28/76        | 80           | 6008         | 45.3                  | 129.7               | GGGG                 | 250                   | 82                   |
| 07038W                      | 3600N             | 2485-14342                              | 00000/0000       | 2-20026/0590        | 05/21/76        | 10           | 6761         | 58.6                  | 111.6               | GGGG                 | 11                    | 35                   |
| 07038W                      | 6756S             | 2405-12375                              | 00000/0000       | 2-20021/1063        | 03/02/76        | 40           | 5644         | 16.0                  | 68.3                | GGGG                 | 11                    | 35                   |
| 07039W                      | 3607N             | 2575-14315                              | 00000/0000       | 2-20030/1618        | 08/19/76        | 50           | 8016         | 51.8                  | 119.4               | GGFF                 | 236                   | 108                  |
| 07039W                      | 2559N             | 2483-14255                              | 00000/0000       | 2-20025/0917        | 05/19/76        | 20           | 6733         | 58.9                  | 94.3                | GGGG                 | 11                    | 35                   |
| 07039W                      | 3143S             | 2383-13480                              | 00000/0000       | 2-20020/1282        | 02/09/76        | 40           | 5338         | 43.9                  | 79.7                | FFGG                 | 9                     | 42                   |
| 07040W                      | 3605N             | 2593-14312                              | 00000/0000       | 2-20032/0864        | 09/06/76        | 70           | 8267         | 48.0                  | 127.4               | GGGG                 | 250                   | 82                   |
| 07040W                      | 1000S             | 2531-14003                              | 00000/0000       | 2-20028/0815        | 07/06/76        | 0            | 7402         | 37.7                  | 50.9                | GGGG                 | 11                    | 35                   |
| 07041W                      | 8009N             | 2564-18244                              | 2-20033/0004     | 00000/0000          | 08/08/76        | 70           | 7865         | 24.9                  | 205.9               | FFGG                 | 3                     | 67                   |
| 07041W                      | 3606N             | 2701-14272                              | 00000/0000       | 2-20038/0121        | 12/23/76        | 80           | 9773         | 22.5                  | 146.7               | GGG                  | 54                    | 1                    |
| 07041W                      | 3558N             | 2539-14325                              | 00000/0000       | 2-20028/1471        | 07/14/76        | 50           | 7514         | 57.3                  | 106.7               | GGFG                 | 11                    | 35                   |
| 07041W                      | 3556N             | 2503-14335                              | 00000/0000       | 2-20026/1283        | 06/08/76        | 90           | 7012         | 59.5                  | 106.4               | GGGG                 | 11                    | 35                   |
| 07042W                      | 3605N             | 2719-14264                              | 00000/0000       | 2-20038/1193        | 01/10/77        | 90           | 24           | 22.8                  | 143.9               | GGGG                 | 11                    | 35                   |
| 07042W                      | 3553N             | 2521-14332                              | 00000/0000       | 2-20027/0453        | 06/26/76        | 30           | 7263         | 58.9                  | 104.7               | GGGG                 | 11                    | 35                   |
| 07043W                      | 7747N             | 2587-17104                              | 2-20033/0166     | 00000/0000          | 08/31/76        | 40           | 8185         | 20.6                  | 187.6               | GGG                  | 41                    | 4                    |
| 07043W                      | 3601N             | 2611-14305                              | 00000/0000       | 2-20032/1741        | 09/24/76        | 30           | 8518         | 43.4                  | 135.0               | GGGG                 | 11                    | 35                   |
| 07043W                      | 3600N             | 2683-14281                              | 00000/0000       | 2-20037/0199        | 12/05/76        | 40           | 9522         | 24.5                  | 148.2               | GGGG                 | 11                    | 35                   |
| 07044W                      | 6400N             | 2405-15254                              | 2-20027/0552     | 00000/0000          | 03/02/76        | 10           | 5646         | 17.1                  | 156.9               | GGG                  | 21                    | 15                   |
| 07044W                      | 3557N             | 2395-14365                              | 00000/0000       | 2-20021/0218        | 02/21/76        | 50           | 5506         | 32.9                  | 138.0               | GGGG                 | 11                    | 35                   |
| 07044W                      | 3555N             | 2413-14362                              | 00000/0000       | 2-20021/1422        | 03/10/76        | 90           | 5757         | 39.0                  | 134.0               | GGGG                 | 11                    | 35                   |
| 07045W                      | 3556N             | 2665-14285                              | 00000/0000       | 2-20036/0873        | 11/17/76        | 90           | 9271         | 28.2                  | 147.9               | GGGG                 | 11                    | 35                   |
| 07046W                      | 6523N             | 2406-15310                              | 2-20027/0619     | 00000/0000          | 03/03/76        | 40           | 5660         | 16.4                  | 158.4               | GGG                  | 22                    | 14                   |
| 07046W                      | 3555N             | 2647-14294                              | 00000/0000       | 2-20035/0317        | 10/30/76        | 20           | 9020         | 33.0                  | 145.6               | GGGG                 | 11                    | 35                   |
| 07046W                      | 3554N             | 2629-14302                              | 00000/0000       | 2-20034/0711        | 10/12/76        | 90           | 8769         | 38.3                  | 141.2               | GGGG                 | 11                    | 35                   |
| 07046W                      | 0840N             | 2372-14164                              | 00000/0000       | 2-20020/0583        | 01/29/76        | 50           | 5185         | 42.5                  | 124.4               | GGGG                 | 6                     | 54                   |
| 07047W                      | 7929N             | 2559-17563                              | 2-20031/0044     | 00000/0000          | 08/03/76        | 0            | 7795         | 27.4                  | 198.5               | GGG                  | 49                    | 2                    |
| 07047W                      | 0828N             | 2624-14094                              | 2-20034/1250     | 00000/0000          | 10/07/76        | 50           | 8699         | 52.1                  | 110.8               | GGG                  | 6                     | 54                   |
| 07049W                      | 7830N             | 2518-17293                              | 2-20029/0202     | 00000/0000          | 06/23/76        | 30           | 7223         | 34.7                  | 192.5               | GGG                  | 45                    | 3                    |
| 07049W                      | 3550N             | 2377-14372                              | 00000/0000       | 2-20020/0882        | 02/03/76        | 80           | 5255         | 28.0                  | 141.7               |                      | 11                    | 35                   |
| 07052W                      | 3724S             | 2418-13425                              | 00000/0000       | 2-20022/0108        | 03/15/76        | 0            | 5826         | 34.0                  | 62.4                | GFG                  | 249                   | 86                   |
| 07053W                      | 4137S             | 2417-13383                              | 00000/0000       | 2-20021/1559        | 03/14/76        | 0            | 5812         | 31.4                  | 61.3                | FFFF                 | 248                   | 89                   |
| 07054W                      | 8041N             | 2606-18573                              | 2-20033/0208     | 00000/0000          | 09/19/76        | 80           | 8451         | 8.8                   | 215.7               | GGG                  | 41                    | 248                  |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR MSN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07054N                      | 5026N             | 2453-14535            | 00000/0000                  | 2-20023/0472     | 74/19/76            | 100             | 6315         | 45.0         | 140.8                              | FGGG                |                      | 15                    | 25                   |
| 07054N                      | 3017N             | 2434-14301            | 00000/0000                  | 2-20025/1097     | 05/20/76            | 10              | 6747         | 59.1         | 101.6                              | GGGF                |                      | 10                    | 39                   |
| 07055N                      | 7842N             | 2591-17331            | 2-20033/0118                | 00000/0000       | 09/04/76            | 30              | 8241         | 18.0         | 193.3                              | GGG                 |                      | 45                    | 3                    |
| 07055W                      | 4132S             | 2399-13390            | 00000/0000                  | 2-20021/0592     | 02/25/76            | 30              | 5561         | 34.0         | 67.8                               | GGGG                |                      | 248                   | 89                   |
| 07056W                      | 8036N             | 2515-18542            | 2-20029/0187                | 00000/0000       | 06/20/76            | 30              | 7182         | 31.3         | 215.1                              | GGG                 |                      | 42                    | 248                  |
| 07057W                      | 7843N             | 2573-17334            | 2-20033/0019                | 00000/0000       | 08/17/76            | 30              | 7990         | 24.3         | 192.7                              | GGG                 |                      | 45                    | 3                    |
| 07057N                      | 3019N             | 2430-14315            | 00000/0000                  | 2-20022/0829     | 03/27/76            | 50              | 5994         | 47.5         | 123.7                              | GGGG                |                      | 10                    | 39                   |
| 07057W                      | 3305S             | 2419-13472            | 00000/0000                  | 2-20021/1698     | 03/16/76            | 10              | 5840         | 36.4         | 63.8                               | GGGG                |                      | 250                   | 83                   |
| 07058W                      | 8057N             | 2521-19281            | 2-20029/0226                | 00000/0000       | 06/26/76            | 100             | 7266         | 30.1         | 223.4                              | PPF                 |                      | 54                    | 246                  |
| 07059W                      | 3724S             | 2382-13440            | 00000/0000                  | 2-20026/1196     | 02/08/76            | 0               | 5324         | 41.8         | 75.9                               | GGGG                |                      | 249                   | 86                   |
| 07100W                      | 7841N             | 2609-17324            | 2-20034/1207                | 00000/0000       | 09/22/76            | 30              | 8492         | 11.1         | 194.5                              | GGG                 |                      | 45                    | 3                    |
| 07100W                      | 3013N             | 2412-14322            | 00000/0000                  | 2-20021/1304     | 03/03/76            | 50              | 5734         | 41.6         | 129.3                              | GGGG                |                      | 10                    | 39                   |
| 07100W                      | 4138S             | 2381-13393            | 00000/0000                  | 2-20026/0916     | 02/07/76            | 50              | 5310         | 40.1         | 73.6                               | GGGF                |                      | 248                   | 89                   |
| 07101W                      | 2433N             | 2483-14261            | 00000/0000                  | 2-20025/0918     | 05/19/76            | 20              | 6733         | 58.7         | 91.8                               | GG                  |                      | 9                     | 43                   |
| 07101N                      | 1126S             | 2531-14010            | 00000/0000                  | 2-20025/0816     | 07/06/76            | 50              | 7402         | 36.6         | 50.2                               | GGGG                |                      | 3                     | 68                   |
| 07102W                      | 5013N             | 2489-14530            | 00000/0000                  | 2-20026/0278     | 05/25/76            | 90              | 6817         | 53.9         | 134.2                              | GGGG                |                      | 15                    | 25                   |
| 07102W                      | 3259S             | 2365-13484            | 00000/0000                  | 2-20026/0106     | 01/22/76            | 30              | 5087         | 46.6         | 84.3                               | GGGF                |                      | 250                   | 83                   |
| 07103W                      | 7742N             | 2569-17111            | 2-20032/1890                | 00000/0000       | 08/13/76            | 80              | 7934         | 26.7         | 186.4                              | GGG                 |                      | 41                    | 4                    |
| 07103W                      | 5543N             | 2365-15061            | 00000/0000                  | 2-20020/0171     | 01/22/76            | 20              | 5088         | 11.0         | 153.9                              | FP G                |                      | 17                    | 21                   |
| 07103W                      | 5015N             | 2561-14510            | 00000/0000                  | 2-20030/0841     | 08/05/76            | 100             | 7821         | 49.0         | 133.8                              | G                   |                      | 15                    | 25                   |
| 07103W                      | 3442N             | 2449-14354            | 00000/0000                  | 2-20023/0232     | 04/15/76            | 20              | 6259         | 51.7         | 122.5                              | GF3G                |                      | 11                    | 36                   |
| 07103W                      | 3439N             | 2457-14351            | 00000/0000                  | 2-20024/1367     | 05/03/76            | 100             | 6510         | 56.2         | 115.9                              | GGGG                |                      | 11                    | 36                   |
| 07104W                      | 5015N             | 2435-14543            | 00000/0000                  | 2-20022/1038     | 04/01/76            | 100             | 6064         | 38.6         | 142.9                              | GGGG                |                      | 15                    | 25                   |
| 07104W                      | 5012N             | 2417-14550            | 00000/0000                  | 2-20021/1617     | 03/14/76            | 10              | 5813         | 31.7         | 144.7                              | GGGG                |                      | 15                    | 25                   |
| 07104W                      | 3439N             | 2431-14361            | 00000/0000                  | 2-20022/0806     | 03/28/76            | 90              | 6008         | 46.0         | 128.1                              | GGGG                |                      | 11                    | 36                   |
| 07104W                      | 3309S             | 2383-13483            | 00000/0000                  | 2-20027/1283     | 02/09/76            | 60              | 5338         | 43.4         | 78.6                               | FFFF                |                      | 250                   | 83                   |
| 07105W                      | 3434N             | 2485-14344            | 00000/0000                  | 2-20026/0591     | 05/21/76            | 10              | 6761         | 58.8         | 109.0                              | GF0G                |                      | 11                    | 36                   |
| 07105W                      | 4554S             | 2416-13340            | 00000/0000                  | 2-20021/1578     | 03/13/76            | 0               | 5798         | 28.8         | 60.7                               | GGGG                |                      | 247                   | 92                   |
| 07106W                      | 5304N             | 2562-14555            | 00000/0000                  | 2-20030/0883     | 08/06/76            | 60              | 7835         | 47.2         | 137.8                              | GGGG                |                      | 16                    | 23                   |
| 07106W                      | 5009N             | 2543-14513            | 00000/0000                  | 2-20028/1832     | 07/18/76            | 90              | 7570         | 52.6         | 130.5                              | FFFF                |                      | 15                    | 25                   |
| 07106W                      | 5005N             | 2507-14523            | 00000/0000                  | 2-20026/1348     | 06/12/76            | 90              | 7068         | 55.4         | 130.9                              | G GG                |                      | 15                    | 25                   |
| 07106W                      | 3440N             | 2575-14321            | 00000/0000                  | 2-20030/1619     | 08/19/76            | 40              | 8016         | 52.2         | 117.4                              | GGGG                |                      | 11                    | 36                   |
| 07106W                      | 0714N             | 2372-14170            | 00000/0000                  | 2-20020/0584     | 01/29/76            | 30              | 5185         | 43.1         | 123.1                              | FGGG                |                      | 6                     | 55                   |
| 07107W                      | 3439N             | 2593-14314            | 00000/0000                  | 2-20037/0865     | 09/06/76            | 70              | 8267         | 48.6         | 125.7                              | GGGG                |                      | 11                    | 36                   |
| 07107W                      | 3432N             | 2539-14332            | 00000/0000                  | 2-20028/1472     | 07/14/76            | 20              | 7514         | 57.4         | 104.3                              | FGGG                |                      | 11                    | 36                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07107W                      | 3430N             | 2503-14342                              | 00000/0000       | 2-20026/1284        | 06/08/76        | 70           | 7012         | 59.6                  | 103.8               |                      |                       |                      |
| 07107W                      | 0702N             | 2624-14101                              | P-20034/1251     | 00000/0000          | 10/07/76        | 80           | 8699         | 52.4                  | 108.9               | GGG                  | 11                    | 36                   |
| 07108W                      | 5007N             | 2633-14485                              | 00000/0000       | 2-20034/0827        | 10/16/76        | 90           | 8825         | 26.9                  | 151.9               |                      | 6                     | 55                   |
| 07108W                      | 3439N             | 2701-14275                              | 00000/0000       | 2-20038/0122        | 12/23/76        | 90           | 9773         | 23.6                  | 146.0               | GGGG                 | 15                    | 25                   |
| 07108W                      | 3439N             | 2719-14270                              | 00000/0000       | 2-20038/1194        | 01/10/77        | 60           | 24           | 23.8                  | 143.2               | GGGG                 | 11                    | 36                   |
| 07108W                      | 3428N             | 2521-14335                              | 00000/0000       | 2-20027/0454        | 06/26/76        | 10           | 7263         | 59.0                  | 102.0               | GGGG                 | 11                    | 36                   |
| 07109W                      | 3434N             | 2683-14283                              | 00000/0000       | 2-20037/0200        | 12/05/76        | 50           | 9522         | 25.5                  | 147.5               | GGGG                 | 11                    | 36                   |
| 07110W                      | 7935N             | 2578-18014                              | P-20033/0039     | 00000/0000          | 08/22/76        | 10           | 8060         | 21.4                  | 199.9               | GGG                  | 11                    | 36                   |
| 07110W                      | 3435N             | 2611-14311                              | 00000/0000       | 2-20032/1742        | 09/24/76        | 60           | 8518         | 44.2                  | 133.6               |                      | 49                    | 2                    |
| 07110W                      | 1256N             | 2373-14211                              | 00000/0000       | 2-20020/0636        | 01/30/76        | 30           | 5199         | 40.7                  | 127.6               | GGGG                 | 11                    | 36                   |
| 07111W                      | 3432N             | 2395-14372                              | 00000/0000       | 2-20021/0219        | 02/21/76        | 40           | 5506         | 33.8                  | 137.0               | GGFG                 | 7                     | 51                   |
| 07111W                      | 3431N             | 2665-14292                              | 00000/0000       | 2-20036/0874        | 11/17/76        | 90           | 9271         | 29.2                  | 147.2               | GGGG                 | 11                    | 36                   |
| 07111W                      | 3429N             | 2413-14365                              | 00000/0000       | 2-20021/1423        | 03/10/76        | 80           | 5757         | 39.8                  | 132.8               | GGGG                 | 11                    | 36                   |
| 07112W                      | 5950N             | 2403-15153                              | 00000/0000       | 2-20021/0918        | 02/29/76        | 100          | 5618         | 19.4                  | 153.2               | GGGG                 | 11                    | 36                   |
| 07112W                      | 3430N             | 2647-14300                              | 00000/0000       | 2-20035/0318        | 10/30/76        | 10           | 9020         | 34.0                  | 144.7               | GGGG                 | 19                    | 18                   |
| 07112W                      | 3427N             | 2629-14304                              | 00000/0000       | 2-20034/0712        | 10/12/76        | 90           | 8769         | 39.2                  | 140.1               | GGGG                 | 11                    | 36                   |
| 07114W                      | 4954N             | 2381-14561                              | 00000/0000       | 2-20020/1098        | 02/07/76        | 10           | 5311         | 19.3                  | 148.6               | GGGG                 | 11                    | 36                   |
| 07115W                      | 8041N             | 2552-18590                              | P-20031/0001     | 00000/0000          | 07/27/76        | 50           | 7698         | 26.9                  | 214.4               | GGG                  | 15                    | 25                   |
| 07115W                      | 3425N             | 2377-14375                              | 00000/0000       | 2-20020/0883        | 02/03/76        | 90           | 5255         | 29.0                  | 140.9               | GGFG                 | 42                    | 248                  |
| 07118W                      | 2851N             | 2484-14304                              | 00000/0000       | 2-20025/1098        | 05/20/76        | 50           | 6747         | 59.1                  | 99.0                | GGGG                 | 11                    | 36                   |
| 07119W                      | 1257S             | 2459-14031                              | 00000/0000       | 2-20024/0583        | 04/25/76        | 40           | 6398         | 42.4                  | 57.9                | GGGG                 | 10                    | 40                   |
| 07120W                      | 3849S             | 2418-13432                              | 00000/0000       | 2-20022/0109        | 03/15/76        | 10           | 5826         | 33.0                  | 61.9                | GGGG                 | 3                     | 69                   |
| 07121W                      | 8014N             | 2583-18295                              | P-20033/0048     | 00000/0000          | 08/27/76        | 10           | 8130         | 18.6                  | 207.2               | GG                   | 249                   | 87                   |
| 07121W                      | 2853N             | 2430-14321                              | 00000/0000       | 2-20022/0830        | 03/27/76        | 50           | 5994         | 48.1                  | 122.1               |                      | 54                    | 1                    |
| 07121W                      | 1253S             | 2531-14012                              | 00000/0000       | 2-20028/0817        | 07/06/76        | 40           | 7402         | 35.5                  | 49.6                | GGGG                 | 10                    | 40                   |
| 07122W                      | 8008N             | 2546-18251                              | P-20029/0276     | 00000/0000          | 07/21/76        | 20           | 7614         | 29.4                  | 205.7               | GGG                  | 3                     | 69                   |
| 07122W                      | 1255S             | 2495-14022                              | 00000/0000       | 2-20026/0568        | 05/31/76        | 40           | 6900         | 37.4                  | 48.8                | GGG                  | 54                    | 1                    |
| 07124W                      | 8005N             | 2528-18254                              | P-20033/0090     | 00000/0000          | 07/03/76        | 90           | 7363         | 31.9                  | 206.1               | GGG                  | 54                    | 1                    |
| 07124W                      | 2847N             | 2412-14325                              | 00000/0000       | 2-20021/1305        | 03/09/76        | 40           | 5734         | 42.3                  | 128.0               | GGGG                 | 10                    | 40                   |
| 07124W                      | 4302S             | 2417-13385                              | 00000/0000       | 2-20021/1560        | 03/14/76        | 0            | 5812         | 30.5                  | 61.0                | FFFF                 | 248                   | 90                   |
| 07125W                      | 7737N             | 2551-17115                              | P-20030/1897     | 00000/0000          | 07/25/76        | 10           | 7683         | 31.7                  | 185.7               | GGG                  | 41                    | 4                    |
| 07126W                      | 0547N             | 2372-14173                              | 00000/0000       | 2-20020/0585        | 01/29/76        | 40           | 5185         | 43.7                  | 121.8               | GGGG                 | 6                     | 56                   |
| 07126W                      | 4258S             | 2399-13392                              | 00000/0000       | 2-20021/0593        | 02/25/76        | 40           | 5561         | 35.1                  | 67.3                | GGGG                 | 248                   | 90                   |
| 07127W                      | 3424S             | 2365-13491                              | 00000/0000       | 2-20020/0107        | 01/22/76        | 30           | 5087         | 46.1                  | 83.1                | FFFF                 | 250                   | 84                   |
| 07127W                      | 3849S             | 2382-13442                              | 00000/0000       | 2-20020/1197        | 02/08/76        | 0            | 5324         | 41.2                  | 75.0                | GGGG                 | 249                   | 87                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1305

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SRRIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07128W                      | 7838N | 2555-17341        | 2-20031/0017          | 00000/0000           | 07/30/76         | 10                  | 7739            | 29.5         | 191.8        | GGG                   |                     |                      | 45                    | 3                    |
| 07128W                      | 0535N | 2624-14103        | 2-20034/1252          | 00000/0000           | 10/07/76         | 90                  | 8699            | 52.6         | 107.0        | GGG                   |                     |                      | 6                     | 56                   |
| 07129W                      | 8059N | 2540-19332        | 2-20030/1861          | 00000/0000           | 07/15/76         | 20                  | 7531            | 28.2         | 223.4        | GGG                   |                     |                      | 54                    | 246                  |
| 07129W                      | 3316N | 2449-14360        | 00000/0000            | 2-20023/0233         | 04/15/76         | 30                  | 6259            | 52.2         | 120.6        | GGGG                  |                     |                      | 11                    | 37                   |
| 07130W                      | 3313N | 2431-14364        | 00000/0000            | 2-20022/0807         | 03/28/76         | 80                  | 6008            | 46.6         | 126.6        | GGGG                  |                     |                      | 11                    | 37                   |
| 07130W                      | 3313N | 2467-14353        | 00000/0000            | 2-20024/1368         | 05/03/76         | 100                 | 6510            | 56.5         | 113.5        | GGGG                  |                     |                      | 11                    | 37                   |
| 07131W                      | 3308N | 2485-14351        | 00000/0000            | 2-20026/0592         | 05/21/76         | 10                  | 6761            | 59.0         | 106.4        | GGGG                  |                     |                      | 11                    | 37                   |
| 07131W                      | 1122N | 2625-14143        | 2-20034/1253          | 00000/0000           | 10/08/76         | 40                  | 8713            | 51.3         | 115.1        | GGG                   |                     |                      | 7                     | 52                   |
| 07131W                      | 3434S | 2383-13485        | 00000/0000            | 2-20020/1234         | 02/09/76         | 80                  | 6338            | 42.8         | 77.5         | FFFF                  |                     |                      | 250                   | 84                   |
| 07131W                      | 4303S | 2381-13395        | 00000/0000            | 2-20020/0917         | 02/07/76         | 70                  | 5310            | 39.4         | 72.8         | FFFF                  |                     |                      | 248                   | 90                   |
| 07133W                      | 4901N | 2453-14542        | 00000/0000            | 2-20023/0473         | 04/19/76         | 90                  | 6315            | 45.9         | 139.2        | GGGG                  |                     |                      | 15                    | 26                   |
| 07134W                      | 3313N | 2719-14273        | 00000/0000            | 2-20038/1195         | 01/10/77         | 40                  | 24              | 24.8         | 142.5        | GGGG                  |                     |                      | 11                    | 37                   |
| 07135W                      | 3309N | 2683-14290        | 00000/0000            | 2-20037/0201         | 12/05/76         | 80                  | 9522            | 26.6         | 146.8        | GGGG                  |                     |                      | 11                    | 37                   |
| 07136W                      | 8044N | 2589-19034        | 2-20033/0180          | 00000/0000           | 09/02/76         | 10                  | 8214            | 15.3         | 215.7        | GGG                   |                     |                      | 48                    | 247                  |
| 07136W                      | 7735N | 2533-17122        | 2-20029/0281          | 00000/0000           | 07/08/76         | 90                  | 7432            | 34.8         | 186.2        | FFG                   |                     |                      | 41                    | 4                    |
| 07136W                      | 4854N | 2471-14535        | 00000/0000            | 2-20024/0873         | 05/07/76         | 60                  | 6566            | 51.2         | 135.8        | GGGG                  |                     |                      | 15                    | 26                   |
| 07137W                      | 3303N | 2413-14371        | 00000/0000            | 2-20021/1424         | 03/10/76         | 80                  | 5757            | 40.5         | 131.5        | GGGG                  |                     |                      | 11                    | 37                   |
| 07138W                      | 5707N | 2366-15113        | 00000/0000            | 2-20019/0212         | 01/23/76         | 90                  | 5102            | 10.2         | 154.6        | GGGG                  |                     |                      | 18                    | 20                   |
| 07139W                      | 4858N | 2579-14505        | 00000/0000            | 2-20030/1759         | 08/23/76         | 80                  | 8072            | 45.1         | 137.0        | GGGG                  |                     |                      | 15                    | 26                   |
| 07140W                      | 7922N | 2541-17571        | 2-20030/1865          | 00000/0000           | 07/16/76         | 30                  | 7544            | 31.5         | 197.9        | GGG                   |                     |                      | 49                    | 2                    |
| 07140W                      | 4849N | 2489-14532        | 00000/0000            | 2-20026/0279         | 05/25/76         | 90                  | 6817            | 54.7         | 132.0        | GGGG                  |                     |                      | 15                    | 26                   |
| 07140W                      | 4719S | 2416-13342        | 00000/0000            | 2-20021/1579         | 03/13/76         | 10                  | 5798            | 27.8         | 60.5         | FFFF                  |                     |                      | 247                   | 93                   |
| 07141W                      | 4850N | 2561-14513        | 00000/0000            | 2-20030/0842         | 08/05/76         | 100                 | 7821            | 49.7         | 131.9        | GGGG                  |                     |                      | 15                    | 26                   |
| 07141W                      | 4848N | 2417-14553        | 00000/0000            | 2-20021/1618         | 03/14/76         | 10                  | 5813            | 32.6         | 143.6        | GGGG                  |                     |                      | 15                    | 26                   |
| 07142W                      | 7732N | 2515-17125        | 2-20029/0185          | 00000/0000           | 06/20/76         | 70                  | 7181            | 35.9         | 187.0        | GGG                   |                     |                      | 41                    | 4                    |
| 07142W                      | 4850N | 2435-14545        | 00000/0000            | 2-20022/1039         | 04/01/76         | 100                 | 6064            | 39.5         | 141.5        | GGGG                  |                     |                      | 15                    | 26                   |
| 07142W                      | 2725N | 2484-14310        | 00000/0000            | 2-20025/1099         | 05/20/76         | 50                  | 6747            | 59.0         | 96.5         | GGGG                  |                     |                      | 10                    | 41                   |
| 07144W                      | 4848N | 2515-14495        | 00000/0000            | 2-20034/0133         | 09/28/76         | 60                  | 8574            | 33.9         | 147.1        | GGG                   |                     |                      | 15                    | 26                   |
| 07144W                      | 4845N | 2543-14520        | 00000/0000            | 2-20028/1833         | 07/18/76         | 90                  | 7570            | 53.2         | 128.4        | FFFF                  |                     |                      | 15                    | 26                   |
| 07144W                      | 4841N | 2525-14523        | 00000/0000            | 2-20028/0470         | 06/30/76         | 30                  | 7319            | 55.5         | 127.2        | GGGG                  |                     |                      | 15                    | 26                   |
| 07144W                      | 4840N | 2507-14530        | 00000/0000            | 2-20026/1349         | 06/12/76         | 70                  | 7068            | 56.1         | 128.5        | GGGG                  |                     |                      | 15                    | 26                   |
| 07145W                      | 4843N | 2399-14560        | 00000/0000            | 2-20021/0679         | 02/25/76         | 30                  | 5562            | 26.0         | 145.6        | GGGG                  |                     |                      | 15                    | 26                   |
| 07145W                      | 2727N | 2430-14324        | 00000/0000            | 2-20022/0831         | 03/27/76         | 50                  | 5994            | 48.6         | 120.4        | GGGG                  |                     |                      | 10                    | 41                   |
| 07146W                      | 2145N | 2447-14280        | 00000/0000            | 2-20023/0455         | 04/13/76         | 90                  | 6231            | 54.3         | 105.0        | GGFF                  |                     |                      | 9                     | 45                   |
| 07146W                      | 2141N | 2483-14270        | 00000/0000            | 2-20025/0710         | 05/19/76         | 30                  | 6733            | 58.1         | 86.9         | GGGG                  |                     |                      | 9                     | 45                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NSN-US  
FROM 01/22/76 TO 01/22/77

PAGE 1306

| PRINCIPAL POINT<br>OF IMAGE<br>LONG | LAT   | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|------------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07146W                              | 0421N | 2372-14175        | 00000/0000                   | 2-20020/0586                | 01/29/76         | 30                  | 5185                   | 44.2         | 120.5        | GGGG                               |                     |                      | 6                     | 57                   |
| 07146W                              | 4016S | 2436-13431        | 00000/0000                   | 2-20022/1173                | 04/02/76         | 20                  | 6077                   | 27.5         | 55.0         | FGGG                               |                     |                      | 249                   | 88                   |
| 07148W                              | 5141N | 2436-14595        | 00000/0000                   | 2-20022/0774                | 04/02/76         | 100                 | 6078                   | 38.1         | 144.1        | GGGG                               |                     |                      | 16                    | 24                   |
| 07148W                              | 5140N | 2562-14562        | 00000/0000                   | 2-20030/0884                | 08/06/76         | 70                  | 7835                   | 48.0         | 135.9        | GGGG                               |                     |                      | 16                    | 24                   |
| 07148W                              | 4842N | 2633-14492        | 00000/0000                   | 2-20034/0828                | 10/16/76         | 80                  | 8825                   | 27.9         | 150.9        | GGGG                               |                     |                      | 15                    | 26                   |
| 07148W                              | 4841N | 2651-14484        | 00000/0000                   | 2-20035/0508                | 11/03/76         | 100                 | 9076                   | 22.2         | 153.4        | GGGG                               |                     |                      | 15                    | 26                   |
| 07148W                              | 2721N | 2412-14331        | 00000/0000                   | 2-20021/1306                | 03/09/76         | 40                  | 5734                   | 43.0         | 126.7        | GGGG                               |                     |                      | 10                    | 41                   |
| 07149W                              | 2143N | 2429-14283        | 00000/0000                   | 2-20022/0480                | 03/26/76         | 40                  | 5980                   | 50.0         | 113.9        | GGGG                               |                     |                      | 9                     | 45                   |
| 07150W                              | 8010N | 2601-18292        | 2-20033/0187                 | 00000/0000                  | 09/14/76         | 0                   | 8381                   | 11.9         | 207.4        | GGG                                |                     |                      | 55                    | 1                    |
| 07150W                              | 6245N | 2477-15240        | 2-20027/0607                 | 00000/0000                  | 05/13/76         | 10                  | 6650                   | 43.7         | 153.7        | G G                                |                     |                      | 21                    | 16                   |
| 07150W                              | 5136N | 2490-14582        | 00000/0000                   | 2-20026/0275                | 05/26/76         | 70                  | 6831                   | 53.3         | 136.1        | G G G                              |                     |                      | 16                    | 24                   |
| 07151W                              | 5134N | 2418-15002        | 00000/0000                   | 2-20022/0028                | 03/15/76         | 70                  | 5827                   | 31.2         | 145.7        | GGGG                               |                     |                      | 16                    | 24                   |
| 07151W                              | 0955N | 2625-14150        | 2-20034/1254                 | 00000/0000                  | 10/08/76         | 40                  | 8713                   | 51.7         | 113.3        | GGG                                |                     |                      | 7                     | 53                   |
| 07153W                              | 3549S | 2365-13493        | 00000/0000                   | 2-20020/0108                | 01/22/76         | 20                  | 5087                   | 45.7         | 81.8         | FFFF                               |                     |                      | 250                   | 85                   |
| 07154W                              | 0841S | 2370-14101        | 00000/0000                   | 2-20020/0351                | 01/27/76         | 100                 | 5157                   | 47.7         | 108.1        | GGGG                               |                     |                      | 4                     | 66                   |
| 07155W                              | 3150N | 2449-14363        | 00000/0000                   | 2-20023/0234                | 04/15/76         | 20                  | 6259                   | 52.7         | 118.4        | GGGG                               |                     |                      | 11                    | 38                   |
| 07155W                              | 3147N | 2431-14370        | 00000/0000                   | 2-20022/0808                | 03/28/76         | 80                  | 6008                   | 47.2         | 125.0        | FGGG                               |                     |                      | 11                    | 38                   |
| 07155W                              | 3147N | 2467-14360        | 00000/0000                   | 2-20024/1369                | 05/03/76         | 100                 | 6510                   | 56.8         | 111.2        | GGGG                               |                     |                      | 11                    | 38                   |
| 07156W                              | 6402N | 2478-15292        | 2-20027/0616                 | 00000/0000                  | 05/14/76         | 90                  | 6664                   | 43.0         | 155.5        | GGG                                |                     |                      | 22                    | 15                   |
| 07156W                              | 3142N | 2485-14353        | 00000/0000                   | 2-20026/0593                | 05/21/76         | 20                  | 6761                   | 59.1         | 103.8        | GGGG                               |                     |                      | 11                    | 38                   |
| 07156W                              | 4427S | 2417-13392        | 00000/0000                   | 2-20021/1561                | 03/14/76         | 10                  | 5812                   | 29.5         | 60.6         | GGGG                               |                     |                      | 248                   | 91                   |
| 07157W                              | 6239N | 2405-15260        | 2-20027/0553                 | 00000/0000                  | 03/02/76         | 20                  | 5646                   | 18.1         | 155.6        | GGG                                |                     |                      | 21                    | 16                   |
| 07158W                              | 3600S | 2383-13492        | 00000/0000                   | 2-20020/1285                | 02/09/76         | 30                  | 5338                   | 42.2         | 76.5         | GGGG                               |                     |                      | 250                   | 85                   |
| 07158W                              | 4422S | 2399-13395        | 00000/0000                   | 2-20021/0594                | 02/25/76         | 50                  | 5561                   | 34.3         | 66.7         | GGGG                               |                     |                      | 248                   | 91                   |
| 07159W                              | 7920N | 2523-17574        | 2-20029/0237                 | 00000/0000                  | 06/25/76         | 20                  | 7293                   | 33.5         | 198.7        | GG                                 |                     |                      | 50                    | 2                    |
| 07200W                              | 3147N | 2719-14275        | 00000/0000                   | 2-20038/1196                | 01/10/77         | 50                  | 24                     | 25.7         | 141.9        | GGGG                               |                     |                      | 11                    | 38                   |
| 07200W                              | 3143N | 2683-14292        | 00000/0000                   | 2-20037/0202                | 12/05/76         | 90                  | 9522                   | 27.6         | 146.1        | GGGG                               |                     |                      | 11                    | 38                   |
| 07204W                              | 7831N | 2537-17344        | 2-20029/0298                 | 00000/0000                  | 07/12/76         | 90                  | 7488                   | 33.2         | 191.6        | PPP                                |                     |                      | 45                    | 3                    |
| 07205W                              | 2558N | 2484-14313        | 00000/0000                   | 2-20025/1100                | 05/20/76         | 20                  | 6747                   | 58.9         | 93.9         | GGGG                               |                     |                      | 10                    | 42                   |
| 07207W                              | 6402N | 2406-15312        | 2-20027/0620                 | 00000/0000                  | 03/03/76         | 10                  | 5660                   | 17.4         | 156.9        | GGG                                |                     |                      | 22                    | 15                   |
| 07208W                              | 2014N | 2483-14273        | 00000/0000                   | 2-20025/0711                | 05/19/76         | 10                  | 6733                   | 57.8         | 84.6         | FGGG                               |                     |                      | 9                     | 46                   |
| 07209W                              | 7744N | 2606-17155        | 2-20033/0207                 | 00000/0000                  | 09/19/76         | 90                  | 8450                   | 13.4         | 188.7        | GGG                                |                     |                      | 42                    | 4                    |
| 07209W                              | 5829N | 2403-15160        | 00000/0000                   | 2-20021/0919                | 02/29/76         | 40                  | 5618                   | 20.5         | 152.1        | FGGG                               |                     |                      | 19                    | 19                   |
| 07210W                              | 6357N | 2514-15282        | 00000/0000                   | 2-20026/1862                | 06/19/76         | 100                 | 7166                   | 47.3         | 152.0        | GGGG                               |                     |                      | 22                    | 15                   |
| 07211W                              | 7745N | 2588-17163        | 2-20033/0172                 | 00000/0000                  | 09/01/76         | 10                  | 8199                   | 20.2         | 187.5        | GGG                                |                     |                      | 42                    | 4                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANKS NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 21, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07211N                      | 2017N             | 2429-14290                              | 00000/0000       | 2-20022/0697        | 03/26/76        | 30           | 5980         | 50.4                  | 112.1               |                      |                       |                      |
| 07212N                      | 7832N             | 2519-17351                              | 2-20029/0209     | 00000/0000          | 06/24/76        | 10           | 7237         | 34.7                  | 192.6               |                      |                       |                      |
| 07212N                      | 0829N             | 2625-14152                              | 2-20034/1255     | 00000/0000          | 10/08/76        | 40           | 8713         | 52.0                  | 111.4               | FFF                  | GGFG                  | H                    |
| 07214W                      | 1007S             | 2370-14104                              | 00000/0000       | 2-20020/0352        | 01/27/76        | 100          | 5157         | 47.9                  | 106.6               | GGG                  | GGGG                  | 9                    |
| 07215W                      | 7845N             | 2574-17392                              | 2-20031/0069     | 00000/0000          | 08/18/76        | 50           | 8004         | 23.9                  | 192.9               | GGG                  | GGGG                  | 45                   |
| 07216W                      | 4141S             | 2436-13433                              | 00000/0000       | 2-20022/1174        | 04/02/76        | 10           | 6077         | 26.5                  | 54.8                |                      |                       | 7                    |
| 07217W                      | 7843N             | 2610-17382                              | 2-20034/1214     | 00000/0000          | 09/23/76        | 90           | 8506         | 10.6                  | 194.6               | GGG                  | GGGG                  | 4                    |
| 07217W                      | 4843S             | 2416-13345                              | 00000/0000       | 2-20021/1580        | 03/13/76        | 20           | 5798         | 26.8                  | 60.3                | GGF                  | GGGG                  | 46                   |
| 07218W                      | 3723S             | 2419-13484                              | 00000/0000       | 2-20021/1699        | 03/16/76        | 90           | 5840         | 33.7                  | 62.0                |                      |                       | 249                  |
| 07219N                      | 7843N             | 2592-17385                              | 2-20033/0125     | 00000/0000          | 09/05/76        | 70           | 8255         | 17.6                  | 193.6               | GGG                  | GGGG                  | 46                   |
| 07220W                      | 3024N             | 2449-14365                              | 00000/0000       | 2-20023/0235        | 04/15/76        | 10           | 6259         | 53.1                  | 116.6               |                      |                       | 247                  |
| 07220W                      | 3021N             | 2431-14373                              | 00000/0000       | 2-20022/0800        | 03/28/76        | 90           | 6008         | 47.8                  | 123.4               | GGG                  | GGGG                  | 250                  |
| 07220W                      | 3021N             | 2467-14362                              | 00000/0000       | 2-20024/1370        | 05/03/76        | 100          | 6510         | 57.0                  | 108.8               | F GG                 | GGGG                  | 46                   |
| 07221W                      | 8036N             | 2534-18594                              | 2-20029/0301     | 00000/0000          | 07/09/76        | 90           | 7447         | 30.2                  | 213.9               | GGG                  | GGGG                  | 11                   |
| 07221W                      | 8009N             | 2565-18303                              | 2-20033/0134     | 00000/0000          | 08/09/76        | 90           | 7879         | 24.6                  | 205.7               | FFF                  | GGGG                  | 11                   |
| 07221W                      | 3016N             | 2485-14360                              | 00000/0000       | 2-20026/0594        | 05/21/76        | 20           | 6761         | 59.1                  | 101.2               | G G                  | GGGG                  | 43                   |
| 07221W                      | 3713S             | 2365-13500                              | 00000/0000       | 2-20020/0109        | 01/22/76        | 10           | 5087         | 45.2                  | 80.7                |                      |                       | 248                  |
| 07222W                      | 8035N             | 2516-19001                              | 2-20023/0193     | 00000/0000          | 06/21/76        | 40           | 7196         | 31.3                  | 214.9               | GGG                  | GGGG                  | 55                   |
| 07222W                      | 8042N             | 2571-19041                              | 2-20033/0001     | 00000/0000          | 08/15/76        | 60           | 7963         | 21.6                  | 214.7               | GGG                  | GGGG                  | 11                   |
| 07222W                      | 5016N             | 2472-14591                              | 00000/0000       | 2-20024/1533        | 05/08/76        | 100          | 6580         | 50.7                  | 137.5               | GG                   | GGGG                  | 250                  |
| 07222W                      | 3021N             | 2719-14282                              | 00000/0000       | 2-20038/1197        | 01/10/77        | 50           | 24           | 26.7                  | 141.2               |                      |                       | 43                   |
| 07222W                      | 3016N             | 2683-14295                              | 00000/0000       | 2-20037/0203        | 12/05/76        | 90           | 9522         | 28.7                  | 145.4               | GGG                  | GGGG                  | 49                   |
| 07222W                      | 3725S             | 2383-13494                              | 00000/0000       | 2-20020/1286        | 02/09/76        | 10           | 5338         | 41.6                  | 75.6                | GGG                  | GGGG                  | 16                   |
| 07222W                      | 7937N             | 2579-18073                              | 2-20033/0045     | 00000/0000          | 08/23/76        | 90           | 8074         | 21.1                  | 200.1               | GGG                  | GGGG                  | 11                   |
| 07222W                      | 7744N             | 2570-17165                              | 2-20032/1896     | 00000/0000          | 08/14/76        | 20           | 7948         | 26.4                  | 186.6               | GGG                  | GGGG                  | 39                   |
| 07222W                      | 3011N             | 2413-14380                              | 00000/0000       | 2-20021/1425        | 03/19/76        | 100          | 5757         | 42.0                  | 129.0               | GGG                  | GGGG                  | 4                    |
| 07222W                      | 1128S             | 2532-14064                              | 00000/0000       | 2-20028/0877        | 07/07/76        | 10           | 7416         | 36.6                  | 50.3                |                      |                       | 42                   |
| 07222W                      | 1129S             | 2514-14071                              | 00000/0000       | 2-20027/0043        | 06/19/76        | 40           | 7165         | 36.9                  | 48.7                | GGG                  | GGGG                  | 11                   |
| 07222W                      | 5307N             | 2437-15050                              | 00000/0000       | 2-20022/1254        | 04/03/76        | 100          | 6092         | 37.5                  | 145.4               | GGG                  | GGGG                  | 4                    |
| 07222W                      | 5017N             | 2436-15001                              | 00000/0000       | 2-20022/0775        | 04/02/76        | 90           | 6078         | 39.0                  | 142.8               | GGG                  | GGGG                  | 17                   |
| 07222W                      | 5015N             | 2562-14564                              | 00000/0000       | 2-20030/0885        | 08/06/76        | 70           | 7835         | 48.7                  | 134.1               | GGG                  | GGGG                  | 16                   |
| 07222W                      | 3443N             | 2450-14412                              | 00000/0000       | 2-20023/0305        | 04/16/76        | 50           | 6273         | 52.0                  | 122.2               | GGG                  | GGGG                  | 16                   |
| 07222W                      | 2432N             | 2484-14315                              | 00000/0000       | 2-20025/1101        | 05/20/76        | 20           | 6747         | 58.7                  | 91.4                | GGG                  | GGGG                  | 12                   |
| 07222W                      | 5543N             | 2366-15115                              | 00000/0000       | 2-20019/0213        | 01/23/76        | 100          | 5102         | 11.2                  | 153.8               | GGG                  | GGGG                  | 10                   |
| 07222W                      | 3441N             | 2468-14405                              | 00000/0000       | 2-20024/1492        | 05/04/76        | 50           | 6524         | 56.3                  | 115.5               | GGG                  | GGGG                  | 18                   |
|                             |                   |                                         |                  |                     |                 |              |              |                       |                     |                      |                       | 12                   |
|                             |                   |                                         |                  |                     |                 |              |              |                       |                     |                      |                       | 36                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRAIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 07229W                      | 4552S | 2417-13394 | 00000/0000        | 2-20021/1562                                   | 03/14/76         | 40                  | 5812            | 28.5         | 60.4         |                       |                     |                      |                       |                      |
| 07230W                      | 5011N | 2490-14584 | 00000/0000        | 2-20026/0276                                   | 05/26/76         | 40                  | 6831            | 54.1         | 133.9        | GGGG                  |                     |                      | 248                   | 92                   |
| 07230W                      | 5008N | 2544-14572 | 00000/0000        | 2-20029/0080                                   | 07/19/76         | 90                  | 7584            | 52.4         | 130.6        | GGGG                  |                     |                      | 16                    | 25                   |
| 07230W                      | 3441N | 2432-14420 | 00000/0000        | 2-20027/0913                                   | 03/29/76         | 10                  | 6022            | 46.3         | 127.9        | GGGG                  |                     |                      | 16                    | 25                   |
| 07231W                      | 7925N | 2614-18005 | 2-20034/1229      | 00000/0000                                     | 09/27/76         | 90                  | 8562            | 8.1          | 200.2        | FGG                   |                     |                      | 12                    | 36                   |
| 07231W                      | 5010N | 2418-15005 | 00000/0000        | 2-20027/0029                                   | 03/15/76         | 70                  | 5827            | 32.1         | 144.6        | FGGG                  |                     |                      | 50                    | 2                    |
| 07231W                      | 3440N | 2576-14380 | 00000/0000        | 2-20037/0045                                   | 08/20/76         | 60                  | 8030            | 52.1         | 117.9        | GGGG                  |                     |                      | 16                    | 25                   |
| 07231W                      | 3437N | 2558-14383 | 00000/0000        | 2-20030/0637                                   | 08/02/76         | 90                  | 7779            | 55.0         | 110.2        | GGGG                  |                     |                      | 12                    | 36                   |
| 07232W                      | 8013N | 2602-18350 | 2-20033/0194      | 00000/0000                                     | 09/15/76         | 10                  | 8395            | 11.4         | 208.1        | GGG                   |                     |                      | 12                    | 36                   |
| 07232W                      | 5005N | 2508-14582 | 00000/0000        | 2-20026/1434                                   | 06/13/76         | 90                  | 7082            | 55.5         | 130.7        | GGGG                  |                     |                      | 55                    | 1                    |
| 07232W                      | 3433N | 2486-14403 | 00000/0000        | 2-20025/1231                                   | 05/22/76         | 20                  | 6775            | 58.9         | 108.6        | GGGG                  |                     |                      | 16                    | 25                   |
| 07232W                      | 0703N | 2625-14155 | 2-20034/1256      | 00000/0000                                     | 10/08/76         | 40                  | 8713            | 52.3         | 109.5        | GGG                   |                     |                      | 12                    | 36                   |
| 07232W                      | 4547S | 2399-13401 | 00000/0000        | 2-20021/0595                                   | 02/25/76         | 50                  | 5561            | 33.4         | 66.3         | GGGG                  |                     |                      | 7                     | 55                   |
| 07233W                      | 3430N | 2540-14390 | 00000/0000        | 2-20028/1526                                   | 07/15/76         | 10                  | 7528            | 57.3         | 104.5        | GGGG                  |                     |                      | 248                   | 92                   |
| 07233W                      | 3428N | 2522-14393 | 00000/0000        | 2-20028/0214                                   | 06/27/76         | 50                  | 7277            | 58.9         | 102.0        | GGGG                  |                     |                      | 12                    | 36                   |
| 07234W                      | 3440N | 2702-14333 | 00000/0000        | 2-20037/1302                                   | 12/24/76         | 80                  | 9787            | 23.5         | 145.9        | GGGG                  |                     |                      | 12                    | 36                   |
| 07234W                      | 3437N | 2684-14341 | 00000/0000        | 2-20037/0273                                   | 12/06/76         | 70                  | 9536            | 25.4         | 147.5        | GGGG                  |                     |                      | 12                    | 36                   |
| 07234W                      | 3435N | 2414-14423 | 00000/0000        | 2-20021/1176                                   | 03/11/76         | 40                  | 5771            | 40.1         | 132.6        | GGGG                  |                     |                      | 12                    | 36                   |
| 07234W                      | 1133S | 2370-14110 | 00000/0000        | 2-20020/0353                                   | 01/27/76         | 100                 | 5157            | 48.1         | 105.0        | GGGG                  |                     |                      | 12                    | 36                   |
| 07235W                      | 5255N | 2365-15070 | 00000/0000        | 2-20020/0172                                   | 01/22/76         | 30                  | 5088            | 13.2         | 152.4        | GGGG                  |                     |                      | 4                     | 68                   |
| 07235W                      | 5013N | 2616-14551 | 00000/0000        | 2-20034/0170                                   | 09/29/76         | 100                 | 8588            | 32.6         | 148.4        | FF G                  |                     |                      | 17                    | 23                   |
| 07235W                      | 5005N | 2430-15012 | 00000/0000        | 2-20021/0767                                   | 02/26/76         | 0                   | 5576            | 25.4         | 146.4        | FGGG                  |                     |                      | 16                    | 25                   |
| 07235W                      | 3439N | 2720-14325 | 00000/0000        | 2-20038/0564                                   | 01/11/77         | 90                  | 38              | 23.9         | 143.0        | GGGG                  |                     |                      | 16                    | 25                   |
| 07235W                      | 3438N | 2594-14373 | 00000/0000        | 2-20032/0914                                   | 09/07/76         | 20                  | 8281            | 48.4         | 126.2        | GGGG                  |                     |                      | 12                    | 36                   |
| 07237W                      | 3432N | 2612-14370 | 00000/0000        | 2-20032/1744                                   | 09/25/76         | 30                  | 8532            | 44.0         | 134.0        | GGGG                  |                     |                      | 12                    | 36                   |
| 07237W                      | 3431N | 2396-14430 | 00000/0000        | 2-20021/0210                                   | 02/22/76         | 100                 | 5520            | 34.1         | 136.8        | FGFG                  |                     |                      | 12                    | 36                   |
| 07237W                      | 3430N | 2648-14354 | 00000/0000        | 2-20034/0357                                   | 10/31/76         | 60                  | 9034            | 33.7         | 144.9        | GGGG                  |                     |                      | 12                    | 36                   |
| 07237W                      | 3430V | 2666-14350 | 00000/0000        | 2-20036/0875                                   | 11/18/76         | 30                  | 9285            | 29.0         | 147.2        | GGGG                  |                     |                      | 12                    | 36                   |
| 07239W                      | 8014V | 2584-18353 | 2-20033/0052      | 00000/0000                                     | 08/28/76         | 10                  | 8144            | 18.2         | 207.4        | GGGG                  |                     |                      | 12                    | 36                   |
| 07239W                      | 3428N | 2630-14362 | 00000/0000        | 2-20034/0733                                   | 10/13/76         | 60                  | 8783            | 38.9         | 140.4        | GGG                   |                     |                      | 55                    | 1                    |
| 07240W                      | 3426N | 2378-14433 | 00000/0000        | 2-20020/0868                                   | 02/04/76         | 10                  | 5269            | 29.2         | 140.7        | GGGG                  |                     |                      | 12                    | 36                   |
| 07243W                      | 7934N | 2597-18070 | 2-20033/0242      | 00000/0000                                     | 09/10/76         | 60                  | 8325            | 14.5         | 200.6        | GGGG                  |                     |                      | 12                    | 36                   |
| 07243W                      | 2855N | 2467-14365 | 00000/0000        | 2-20024/1371                                   | 05/03/76         | 90                  | 6510            | 57.2         | 106.4        | GGG                   |                     |                      | 50                    | 2                    |
| 07244W                      | 7927N | 2560-18022 | 2-20031/0051      | 00000/0000                                     | 08/04/76         | 50                  | 7809            | 27.2         | 198.1        | GGGG                  |                     |                      | 11                    | 40                   |
| 07244W                      | 7738N | 2552-17173 | 2-20030/1902      | 00000/0000                                     | 07/27/76         | 20                  | 7697            | 31.4         | 185.8        | GGG                   |                     |                      | 50                    | 2                    |
|                             |       |            |                   |                                                |                  |                     |                 |              |              | GG                    |                     |                      | 42                    | 4                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07244N                      | 2857N             | 2449-14372                   | 00000/0000                  | 2-20023/0236     | 04/15/76            | 20              | 6259         | 53.5         | 114.6                              | GGGG                |                      | 11                    | 40                   |
| 07245N                      | 2855N             | 2431-14375                   | 00000/0000                  | 2-20022/0809     | 03/28/76            | 80              | 6008         | 48.4         | 121.7                              | GGGG                |                      | 11                    | 40                   |
| 07245N                      | 2850N             | 2485-14362                   | 00000/0000                  | 2-20024/0595     | 05/21/76            | 30              | 6761         | 59.1         | 98.6                               | GGGG                |                      | 11                    | 40                   |
| 07246W                      | 4256S             | 2508-13421                   | 00000/0000                  | 2-20025/1589     | 06/13/76            | 60              | 7081         | 10.8         | 43.4                               | GGGG                |                      | 249                   | 90                   |
| 07248W                      | 8006N             | 2529-18317                   | 2-20033/0095                | 00000/0000       | 07/04/76            | 60              | 7377         | 31.8         | 206.2                              | GGG                 |                      | 55                    | 1                    |
| 07249W                      | 2854N             | 2719-14284                   | 00000/0000                  | 2-20038/1198     | 01/10/77            | 30              | 24           | 27.6         | 140.4                              | GGGG                |                      | 11                    | 40                   |
| 07249W                      | 2850N             | 2683-14301                   | 00000/0000                  | 2-20037/0204     | 12/05/76            | 90              | 9522         | 29.7         | 144.7                              | GGGG                |                      | 11                    | 40                   |
| 07249W                      | 3839S             | 2365-13507                   | 00000/0000                  | 2-20020/0110     | 11/22/76            | 10              | 5087         | 44.7         | 79.5                               | GGF                 |                      | 250                   | 87                   |
| 07251W                      | 2306N             | 2484-14322                   | 00000/0000                  | 2-20025/1102     | 05/20/76            | 10              | 6747         | 58.5         | 88.9                               | GGGG                |                      | 10                    | 44                   |
| 07252W                      | 2846N             | 2413-14383                   | 00000/0000                  | 2-20021/1426     | 03/10/76            | 80              | 5757         | 42.6         | 127.7                              | GGFG                |                      | 11                    | 40                   |
| 07253W                      | 0536N             | 2625-14161                   | 2-20034/1257                | 00000/0000       | 10/08/76            | 30              | 8713         | 52.6         | 107.6                              | GGG                 |                      | 7                     | 56                   |
| 07253W                      | 3850S             | 2383-13501                   | 00000/0000                  | 2-20020/1287     | 02/09/76            | 10              | 5338         | 41.0         | 74.6                               | FFFF                |                      | 250                   | 87                   |
| 07254W                      | 3317N             | 2450-14415                   | 00000/0000                  | 2-20023/0306     | 04/16/76            | 10              | 6273         | 52.5         | 120.3                              | GGGG                |                      | 12                    | 37                   |
| 07255W                      | 3315N             | 2468-14412                   | 00000/0000                  | 2-20024/1493     | 05/04/76            | 30              | 6524         | 56.7         | 113.2                              | GGGG                |                      | 12                    | 37                   |
| 07256W                      | 3314N             | 2432-14422                   | 00000/0000                  | 2-20022/0914     | 03/29/76            | 10              | 6022         | 46.9         | 126.3                              | GGGG                |                      | 12                    | 37                   |
| 07257W                      | 3314N             | 2576-14382                   | 00000/0000                  | 2-20032/0046     | 08/20/76            | 90              | 8030         | 52.5         | 115.9                              | GGGG                |                      | 12                    | 37                   |
| 07257W                      | 3312N             | 2558-14385                   | 00000/0000                  | 2-20030/0638     | 08/02/76            | 70              | 7779         | 55.2         | 107.9                              | GGGG                |                      | 12                    | 37                   |
| 07257W                      | 3307N             | 2486-14405                   | 00000/0000                  | 2-20025/1232     | 05/22/76            | 20              | 6775         | 59.1         | 106.0                              | GGGG                |                      | 12                    | 37                   |
| 07257W                      | 2305N             | 2682-14261                   | 00000/0000                  | 2-20036/1376     | 12/04/76            | 30              | 9508         | 33.9         | 141.6                              | GGGG                |                      | 12                    | 37                   |
| 07258W                      | 6122N             | 2477-15242                   | 2-20027/0608                | 00000/0000       | 05/13/76            | 70              | 6650         | 44.7         | 151.8                              | GGG                 |                      | 10                    | 44                   |
| 07258W                      | 3302N             | 2522-14400                   | 00000/0000                  | 2-20028/0215     | 06/27/76            | 40              | 7277         | 58.9         | 99.4                               | GGGG                |                      | 21                    | 17                   |
| 07259W                      | 3305N             | 2540-14393                   | 00000/0000                  | 2-20028/1527     | 07/15/76            | 10              | 7528         | 57.3         | 102.0                              | GGGG                |                      | 12                    | 37                   |
| 07259W                      | 0713S             | 2389-14151                   | 00000/0000                  | 2-20020/1614     | 02/15/76            | 90              | 5422         | 47.6         | 101.1                              | GGGG                |                      | 12                    | 37                   |
| 07300W                      | 3313N             | 2702-14335                   | 00000/0000                  | 2-20037/1303     | 12/24/76            | 60              | 9787         | 24.6         | 145.3                              | GGGG                |                      | 12                    | 37                   |
| 07300W                      | 3312N             | 2594-14375                   | 00000/0000                  | 2-20032/0915     | 09/07/76            | 30              | 8281         | 49.0         | 124.5                              | GGFG                |                      | 12                    | 37                   |
| 07300W                      | 3311N             | 2684-14344                   | 00000/0000                  | 2-20037/0274     | 12/06/76            | 70              | 9536         | 26.4         | 146.8                              | GGGG                |                      | 12                    | 37                   |
| 07301W                      | 3313N             | 2720-14331                   | 00000/0000                  | 2-20038/0565     | 01/11/77            | 90              | 38           | 24.8         | 142.4                              | GGGG                |                      | 12                    | 37                   |
| 07301W                      | 3309N             | 2414-14430                   | 00000/0000                  | 2-20021/1177     | 03/11/76            | 60              | 5771         | 40.8         | 131.3                              | GGGG                |                      | 12                    | 37                   |
| 07302W                      | 3306N             | 2612-14372                   | 00000/0000                  | 2-20032/1745     | 09/25/76            | 50              | 8532         | 44.7         | 132.6                              | GGGG                |                      | 12                    | 37                   |
| 07303W                      | 6116N             | 2405-15263                   | 2-20027/0554                | 00000/0000       | 03/02/76            | 30              | 5646         | 19.1         | 154.4                              | GGG                 |                      | 21                    | 17                   |
| 07303W                      | 4851N             | 2472-14593                   | 00000/0000                  | 2-20024/1534     | 05/08/76            | 100             | 6580         | 51.4         | 135.6                              | GGGG                |                      | 16                    | 26                   |
| 07303W                      | 3305N             | 2396-14433                   | 00000/0000                  | 2-20021/0211     | 02/22/76            | 100             | 5520         | 34.9         | 135.8                              | GGGG                |                      | 12                    | 37                   |
| 07303W                      | 3305N             | 2648-14361                   | 00000/0000                  | 2-20035/0358     | 10/31/76            | 70              | 9034         | 34.7         | 144.0                              | GGGG                |                      | 12                    | 37                   |
| 07304W                      | 5705N             | 2403-15162                   | 00000/0000                  | 2-20021/0920     | 02/29/76            | 0               | 5618         | 21.5         | 151.0                              | GGGG                |                      | 19                    | 20                   |
| 07304W                      | 3304N             | 2666-14353                   | 00000/0000                  | 2-20036/0876     | 11/18/76            | 50              | 9285         | 30.0         | 146.5                              | GGGG                |                      | 12                    | 37                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR MON-US

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FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|-----------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 07305W                      | 8044N | 2590-19094 | P-20033/0113      | 00000/0000            | 09/03/76                    | 40               | 8228                | 14.9            | 215.6        | GGG          |                       |                     |                      | 49                    | 247                  |
| 07305W                      | 3302N | 2630-14365 | 00000/0000        | 2-20034/0734          | 10/13/76                    | 40               | 8783                | 39.9            | 139.2        | GGG          |                       |                     |                      | 12                    | 37                   |
| 07306W                      | 4857N | 2580-14564 | 00000/0000        | 2-20037/0088          | 08/24/76                    | 50               | 8086                | 44.8            | 137.2        | GGGG         |                       |                     |                      | 16                    | 26                   |
| 07306W                      | 4855N | 2724-14512 | 00000/0000        | 2-20038/1359          | 01/15/77                    | 30               | 94                  | 14.2            | 148.8        | GGGG         |                       |                     |                      | 16                    | 26                   |
| 07306W                      | 4853N | 2598-14561 | 00000/0000        | 2-20032/1217          | 09/11/76                    | 70               | 8337                | 39.5            | 142.5        | GGGG         |                       |                     |                      | 16                    | 26                   |
| 07306W                      | 4852N | 2436-15004 | 00000/0000        | 2-20027/0776          | 04/02/76                    | 100              | 6078                | 39.9            | 141.4        | GGGG         |                       |                     |                      | 16                    | 26                   |
| 07306W                      | 4851N | 2562-14571 | 00000/0000        | 2-20030/0886          | 08/06/76                    | 80               | 7835                | 49.4            | 132.2        | GGGG         |                       |                     |                      | 16                    | 26                   |
| 07306W                      | 3300N | 2378-14435 | 00000/0000        | 2-20020/0869          | 02/04/76                    | 10               | 5269                | 30.1            | 139.9        | GGGG         |                       |                     |                      | 12                    | 37                   |
| 07307W                      | 4846N | 2490-14591 | 00000/0000        | 2-20026/0277          | 05/26/76                    | 70               | 6831                | 54.8            | 131.7        | GGGG         |                       |                     |                      | 16                    | 26                   |
| 07307W                      | 2730N | 2449-14374 | 00000/0000        | 2-20023/0242          | 04/15/76                    | 40               | 6259                | 53.8            | 112.5        | BF           |                       |                     |                      | 11                    | 41                   |
| 07307W                      | 2729N | 2467-14371 | 00000/0000        | 2-20024/1372          | 05/03/76                    | 90               | 6510                | 57.4            | 104.0        | GGGG         |                       |                     |                      | 11                    | 41                   |
| 07307W                      | 4712S | 2399-13404 | 00000/0000        | 2-20021/0596          | 02/25/76                    | 10               | 5561                | 32.5            | 65.9         | GGGG         |                       |                     |                      | 248                   | 93                   |
| 07308W                      | 7835N | 2538-17402 | P-20029/0285      | 00000/0000            | 07/13/76                    | 100              | 7502                | 33.0            | 192.0        | FF           |                       |                     |                      | 46                    | 3                    |
| 07308W                      | 5143N | 2473-15043 | 00000/0000        | 2-20025/0089          | 05/09/76                    | 30               | 6594                | 50.1            | 139.3        | GGGG         |                       |                     |                      | 17                    | 24                   |
| 07308W                      | 4856N | 2706-14521 | 00000/0000        | 2-20034/0266          | 12/28/76                    | 10               | 9843                | 12.9            | 151.5        | GGGG         |                       |                     |                      | 16                    | 26                   |
| 07309W                      | 4850N | 2688-14525 | 00000/0000        | 2-20037/0622          | 12/10/76                    | 90               | 9592                | 13.9            | 153.5        | PGFG         |                       |                     |                      | 16                    | 26                   |
| 07309W                      | 4846N | 2418-15011 | 00000/0000        | 2-20022/0030          | 03/15/76                    | 50               | 5827                | 33.0            | 143.4        | FGGG         |                       |                     |                      | 16                    | 26                   |
| 07309W                      | 2728N | 2431-14382 | 00000/0000        | 2-20027/0810          | 03/28/76                    | 30               | 6008                | 48.9            | 120.0        | FGGG         |                       |                     |                      | 11                    | 41                   |
| 07309W                      | 2724N | 2485-14365 | 00000/0000        | 2-20026/0596          | 05/21/76                    | 60               | 6761                | 59.1            | 96.1         | GGGG         |                       |                     |                      | 11                    | 41                   |
| 07310W                      | 8043N | 2572-19095 | P-20033/0014      | 00000/0000            | 08/16/76                    | 40               | 9976                | 21.2            | 215.3        | GG           |                       |                     |                      | 49                    | 247                  |
| 07310W                      | 6240N | 2478-15294 | P-20027/0617      | 00000/0000            | 05/14/76                    | 30               | 6664                | 44.0            | 153.5        | GGG          |                       |                     |                      | 22                    | 16                   |
| 07311W                      | 8040N | 2553-19045 | P-20031/0007      | 00000/0000            | 07/28/76                    | 30               | 7712                | 26.7            | 213.9        | GGG          |                       |                     |                      | 43                    | 248                  |
| 07311W                      | 0836S | 2479-14130 | 00000/0000        | 2-20025/0603          | 05/15/76                    | 60               | 6677                | 42.7            | 54.0         | GGGG         |                       |                     |                      | 5                     | 66                   |
| 07312W                      | 7731N | 2516-17183 | P-20029/0191      | 00000/0000            | 06/21/76                    | 50               | 7195                | 35.9            | 186.9        | GGG          |                       |                     |                      | 42                    | 4                    |
| 07313W                      | 4848N | 2616-14554 | 00000/0000        | 2-20034/0171          | 09/29/76                    | 100              | 8588                | 33.6            | 147.3        | GGGG         |                       |                     |                      | 16                    | 26                   |
| 07313W                      | 2728N | 2719-14291 | 00000/0000        | 2-20038/1199          | 01/10/77                    | 30               | 24                  | 28.6            | 139.7        | FGGG         |                       |                     |                      | 11                    | 41                   |
| 07313W                      | 2724N | 2683-14304 | 00000/0000        | 2-20037/0205          | 12/05/76                    | 90               | 9522                | 30.7            | 143.9        | GGGG         |                       |                     |                      | 11                    | 41                   |
| 07313W                      | 1008N | 2716-14170 | 00000/0000        | 2-20038/1013          | 01/07/77                    | 10               | 9982                | 38.7            | 129.7        | GGGG         |                       |                     |                      | 8                     | 53                   |
| 07315W                      | 2719N | 2413-14305 | 00000/0000        | 2-20021/1427          | 03/10/76                    | 70               | 5757                | 43.3            | 126.3        | GGGG         |                       |                     |                      | 11                    | 41                   |
| 07316W                      | 7922N | 2542-18025 | P-20030/1872      | 00000/0000            | 07/17/76                    | 10               | 7558                | 31.3            | 197.8        | GGG          |                       |                     |                      | 51                    | 2                    |
| 07317W                      | 5419N | 2366-15122 | 00000/0000        | 2-20019/0214          | 01/23/76                    | 100              | 5102                | 12.3            | 153.0        | GGGG         |                       |                     |                      | 18                    | 22                   |
| 07317W                      | 5135N | 2419-15060 | 00000/0000        | 2-20022/0142          | 03/16/76                    | 0                | 5841                | 31.5            | 145.6        | GGG          |                       |                     |                      | 17                    | 24                   |
| 07318W                      | 7928N | 2615-18063 | P-20034/1233      | 00000/0000            | 09/28/76                    | 40               | 8576                | 7.6             | 200.9        | GGG          |                       |                     |                      | 51                    | 2                    |
| 07318W                      | 5131N | 2365-15072 | 00000/0000        | 2-20020/0173          | 01/22/76                    | 40               | 5088                | 14.2            | 151.7        | PP G         |                       |                     |                      | 17                    | 24                   |
| 07318W                      | 5130N | 2509-15033 | 00000/0000        | 2-20026/1585          | 06/14/76                    | 20               | 7096                | 54.8            | 132.9        | GGG          |                       |                     |                      | 17                    | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 \* % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07318W 4004S                            | 2365-13505        | 00000/0000                   | 2-20020/0111                | 01/22/76         | 20                  | 5087            | 44.1         | 78.5         |                                    |                     |                      | 250                   | 88                   |
| 07319W 7932N                            | 2561-18080        | P-20031/0058                 | 00000/0000                  | 08/05/76         | 90                  | 7823            | 26.8         | 198.8        | GGG                                |                     |                      | 51                    | 2                    |
| 07319W 5138N                            | 2617-15007        | 00000/0000                   | 2-20034/0172                | 09/30/76         | 90                  | 8602            | 31.2         | 149.8        | GGGG                               |                     |                      | 17                    | 24                   |
| 07319W 3151N                            | 2450-14421        | 00000/0000                   | 2-20023/0307                | 04/16/76         | 10                  | 6273            | 52.9         | 118.3        | FGGG                               |                     |                      | 12                    | 38                   |
| 07319W 2140N                            | 2682-14264        | 00000/0000                   | 2-20036/1377                | 12/04/76         | 30                  | 9508            | 34.8         | 140.7        | GGGG                               |                     |                      | 10                    | 45                   |
| 07320W 6240N                            | 2406-15315        | P-20027/0621                 | 00000/0000                  | 03/02/76         | 30                  | 5660            | 18.5         | 155.6        | GGF                                |                     | H                    | 22                    | 16                   |
| 07320W 0839S                            | 2389-14153        | 00000/0000                   | 2-20020/1615                | 08/15/76         | 100                 | 5422            | 47.7         | 99.6         | GGGG                               |                     |                      | 5                     | 66                   |
| 07321W 7835N                            | 2556-17395        | P-20031/0024                 | 00000/0000                  | 07/31/76         | 20                  | 7753            | 29.4         | 191.4        | GGG                                |                     |                      | 46                    | 3                    |
| 07321W 3149N                            | 2432-14425        | 00000/0000                   | 2-20022/0915                | 03/25/76         | 40                  | 6022            | 47.5         | 124.7        | GGGG                               |                     |                      | 12                    | 38                   |
| 07321W 3149N                            | 2468-14414        | 00000/0000                   | 2-20024/1494                | 05/04/76         | 30                  | 6524            | 57.0         | 110.8        | GGGG                               |                     |                      | 12                    | 38                   |
| 07321W 3146N                            | 2558-14392        | 00000/0000                   | 2-20030/0639                | 08/02/76         | 50                  | 7779            | 55.4         | 105.7        | GGGG                               |                     |                      | 12                    | 38                   |
| 07322W 8041N                            | 2608-13090        | P-20034/1203                 | 00000/0000                  | 09/21/76         | 10                  | 8479            | 8.0          | 216.1        | GGG                                |                     |                      | 43                    | 248                  |
| 07322W 6236N                            | 2514-15285        | 00000/0000                   | 2-20026/1863                | 06/19/76         | 100                 | 7166            | 48.3         | 149.8        | GGGG                               |                     |                      | 22                    | 16                   |
| 07322W 3142V                            | 2486-14412        | 00000/0000                   | 2-20025/1233                | 05/22/76         | 30                  | 6775            | 59.2         | 103.4        | FFGG                               |                     |                      | 12                    | 38                   |
| 07322W 4015S                            | 2383-13503        | 00000/0000                   | 2-20020/1288                | 02/09/76         | 20                  | 5338            | 40.3         | 73.8         | GFGG                               |                     |                      | 250                   | 88                   |
| 07323W 3147N                            | 2576-14385        | 00000/0000                   | 2-20032/0047                | 08/20/76         | 90                  | 8030            | 52.8         | 113.8        | GGGG                               |                     |                      | 12                    | 38                   |
| 07323W 3137N                            | 2522-14402        | 00000/0000                   | 2-20028/0216                | 06/27/76         | 30                  | 7277            | 58.8         | 96.9         | GGFG                               |                     |                      | 12                    | 38                   |
| 07324W 3139N                            | 2540-14395        | 00000/0000                   | 2-20028/1528                | 07/15/76         | 10                  | 7528            | 57.3         | 99.6         | GGGG                               |                     |                      | 12                    | 38                   |
| 07325W 7846N                            | 2575-17450        | P-20031/0076                 | 00000/0000                  | 08/19/76         | 10                  | 8018            | 23.6         | 193.1        | GGG                                |                     |                      | 46                    | 3                    |
| 07325W 3146N                            | 2594-14382        | 00000/0000                   | 2-20032/0916                | 09/07/76         | 30                  | 8281            | 49.6         | 122.7        | GGGG                               |                     |                      | 12                    | 38                   |
| 07325W 3145N                            | 2684-14350        | 00000/0000                   | 2-20037/0275                | 12/06/76         | 70                  | 9536            | 27.5         | 146.1        | GGGG                               |                     |                      | 12                    | 38                   |
| 07326W 3147N                            | 2702-14342        | 00000/0000                   | 2-20037/1304                | 12/24/76         | 60                  | 9787            | 25.6         | 144.6        | GGGG                               |                     |                      | 12                    | 38                   |
| 07326W 3146N                            | 2720-14334        | 00000/0000                   | 2-20038/0566                | 01/11/77         | 80                  | 38              | 25.8         | 141.7        | GGGG                               |                     |                      | 12                    | 38                   |
| 07326W 3143V                            | 2414-14432        | 00000/0000                   | 2-20021/1178                | 03/11/76         | 40                  | 5771            | 41.5         | 130.1        | GGGG                               |                     |                      | 12                    | 38                   |
| 07327W 3141N                            | 2612-14375        | 00000/0000                   | 2-20032/1746                | 09/25/76         | 50                  | 8532            | 45.5         | 131.2        | GGGG                               |                     |                      | 12                    | 38                   |
| 07328W 8058N                            | 2541-19391        | P-20030/1868                 | 00000/0000                  | 07/16/76         | 60                  | 7545            | 28.1         | 222.8        | GGG                                |                     |                      | 56                    | 246                  |
| 07328W 3139N                            | 2396-14435        | 00000/0000                   | 2-20021/0212                | 02/22/76         | 90                  | 5520            | 35.8         | 134.8        | GGGG                               |                     |                      | 12                    | 38                   |
| 07329W 7844N                            | 2593-17443        | P-20033/0130                 | 00000/0000                  | 09/06/76         | 90                  | 8269            | 17.2         | 193.8        | GGG                                |                     |                      | 46                    | 3                    |
| 07329W 3139N                            | 2648-14363        | 00000/0000                   | 2-20035/0359                | 10/31/76         | 70                  | 9034            | 35.7         | 143.1        | GGGG                               |                     |                      | 12                    | 38                   |
| 07329W 3138N                            | 2666-14355        | 00000/0000                   | 2-20036/0877                | 11/18/76         | 70                  | 9285            | 31.1         | 145.7        | GGGG                               |                     |                      | 12                    | 38                   |
| 07330W 3136N                            | 2630-14371        | 00000/0000                   | 2-20034/0735                | 10/13/76         | 30                  | 8783            | 40.8         | 138.2        | GGG                                |                     |                      | 12                    | 38                   |
| 07330W 2604N                            | 2449-14381        | 00000/0000                   | 2-20023/0237                | 04/15/76         | 40                  | 6259            | 54.1         | 110.4        | GGGG                               |                     | H                    | 11                    | 42                   |
| 07331W 3134N                            | 2378-14442        | 00000/0000                   | 2-20020/0870                | 02/04/76         | 30                  | 5269            | 31.0         | 139.0        | GGGG                               |                     |                      | 12                    | 38                   |
| 07331W 2602N                            | 2467-14374        | 00000/0000                   | 2-20024/1376                | 05/03/76         | 70                  | 6510            | 57.4         | 101.6        | GG                                 |                     |                      | 11                    | 42                   |
| 07331W 1003S                            | 2479-14132        | 00000/0000                   | 2-20025/0604                | 05/15/76         | 40                  | 6677            | 41.6         | 53.2         | GGGG                               |                     |                      | 5                     | 67                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07332N                                  | 2602N             | 2431-14384                   | 00000/0000                  | 2-20022/0811     | 03/28/76            | 30              | 6008         | 49.4         | 118.3                              | FGGG                |                      |                       |                      |
| 07332W                                  | 2558N             | 2485-14371                   | 00000/0000                  | 2-20024/0599     | 05/21/76            | 50              | 6761         | 58.9         | 93.5                               | GG                  |                      | 11                    | 42                   |
| 07332W                                  | 1003S             | 2461-14135                   | 00000/0000                  | 2-20024/0689     | 04/27/76            | 20              | 6426         | 44.1         | 59.1                               | GGGG                |                      | 11                    | 42                   |
| 07333W                                  | 2019N             | 2448-14341                   | 00000/0000                  | 2-20023/0180     | 04/14/76            | 60              | 6245         | 54.6         | 102.4                              | FGGG                |                      | 5                     | 67                   |
| 07333W                                  | 0841N             | 2716-14173                   | 00000/0000                  | 2-20038/1014     | 01/07/77            | 20              | 9982         | 39.4         | 128.6                              | GGGG                |                      | 10                    | 46                   |
| 07333W                                  | 0838N             | 2518-14241                   | 00000/0000                  | 2-20027/0359     | 06/23/76            | 40              | 7221         | 50.8         | 63.3                               | GGGG                |                      | 8                     | 54                   |
| 07334W                                  | 7748N             | 2589-17221                   | 2-20033/0179                | 00000/0000       | 09/02/76            | 10              | 8213         | 19.8         | 187.7                              | GGG                 |                      | 8                     | 54                   |
| 07336W                                  | 2602N             | 2719-14293                   | 00000/0000                  | 2-20038/1200     | 11/10/77            | 30              | 24           | 29.5         | 138.9                              | GGGG                |                      | 43                    | 4                    |
| 07336W                                  | 2558N             | 2683-14310                   | 00000/0000                  | 2-20037/0208     | 12/05/76            | 80              | 9522         | 31.7         | 143.2                              | GG                  |                      | 11                    | 42                   |
| 07338W                                  | 7745N             | 2571-17224                   | 2-20032/1904                | 00000/0000       | 08/15/76            | 20              | 7962         | 26.0         | 186.7                              | GGG                 |                      | 11                    | 42                   |
| 07338W                                  | 2553N             | 2413-14392                   | 00000/0000                  | 2-20021/1428     | 03/10/76            | 30              | 5757         | 43.9         | 124.9                              | GGGG                |                      | 43                    | 4                    |
| 07339W                                  | 7829N             | 2520-17405                   | 2-20029/0216                | 00000/0000       | 06/25/76            | 10              | 7251         | 34.7         | 192.5                              | GG                  |                      | 11                    | 42                   |
| 07340W                                  | 1006S             | 2389-14160                   | 00000/0000                  | 2-20027/1616     | 02/15/76            | 100             | 5422         | 47.7         | 98.0                               | FFFF                |                      | 47                    | 3                    |
| 07341W                                  | 8057N             | 2523-19394                   | 2-20029/0240                | 00000/0000       | 06/28/76            | 40              | 7294         | 30.0         | 223.5                              | GGG                 |                      | 5                     | 67                   |
| 07342W                                  | 8042N             | 2654-19103                   | 2-20031/0014                | 00000/0000       | 07/29/76            | 40              | 7726         | 26.4         | 214.8                              | GGG                 |                      | 56                    | 246                  |
| 07343W                                  | 7742N             | 2607-17214                   | 2-20034/1198                | 00000/0000       | 09/20/76            | 60              | 5464         | 13.0         | 188.7                              | GGG                 |                      | 50                    | 247                  |
| 07344W                                  | 3025N             | 2450-14424                   | 00000/0000                  | 2-20023/0308     | 04/16/76            | 30              | 6273         | 53.4         | 116.2                              | FGGG                |                      | 43                    | 4                    |
| 07344W                                  | 4837S             | 2399-13410                   | 00000/0000                  | 2-20021/0597     | 02/25/76            | 10              | 5561         | 31.7         | 65.5                               | GGGG                |                      | 12                    | 39                   |
| 07345W                                  | 7918N             | 2524-18032                   | 2-20029/0244                | 00000/0000       | 06/29/76            | 80              | 7307         | 33.5         | 198.1                              | G                   |                      | 248                   | 94                   |
| 07345W                                  | 3023N             | 2432-14431                   | 00000/0000                  | 2-20022/0916     | 03/29/76            | 60              | 6022         | 48.1         | 123.1                              | FGGG                |                      | 51                    | 2                    |
| 07346W                                  | 3022N             | 2468-14421                   | 00000/0000                  | 2-20024/1495     | 05/04/76            | 40              | 6524         | 57.2         | 108.4                              | GGGG                |                      | 12                    | 39                   |
| 07347W                                  | 8038N             | 2535-19052                   | 2-20029/0309                | 00000/0000       | 07/10/76            | 90              | 7461         | 30.1         | 214.0                              | PP                  |                      | 12                    | 39                   |
| 07347W                                  | 3016N             | 2486-14414                   | 00000/0000                  | 2-20025/1234     | 05/22/76            | 40              | 6775         | 59.2         | 100.8                              | GGGG                |                      | 43                    | 248                  |
| 07348W                                  | 8014N             | 2603-18405                   | 2-20033/0195                | 00000/0000       | 09/16/76            | 70              | 8409         | 11.0         | 208.3                              | GGG                 |                      | 12                    | 39                   |
| 07348W                                  | 7841N             | 2611-17440                   | 2-20034/1219                | 00000/0000       | 09/24/76            | 40              | 8520         | 10.3         | 194.5                              | FGF                 |                      | 56                    | 1                    |
| 07348W                                  | 4129S             | 2365-13511                   | 00000/0000                  | 2-20020/0112     | 01/22/76            | 60              | 5087         | 43.5         | 77.5                               | GGG                 |                      | 47                    | 3                    |
| 07349W                                  | 5018N             | 2473-15045                   | 00000/0000                  | 2-20025/0090     | 05/09/76            | 40              | 6594         | 50.9         | 137.4                              | GGGG                |                      | 250                   | 89                   |
| 07351W                                  | 3020N             | 2720-14340                   | 00000/0000                  | 2-20038/0567     | 01/11/77            | 80              | 38           | 26.8         | 141.0                              | GGGG                |                      | 17                    | 25                   |
| 07351W                                  | 3017N             | 2414-14435                   | 00000/0000                  | 2-20021/1179     | 03/11/76            | 30              | 5771         | 42.2         | 128.8                              | GGGG                |                      | 12                    | 39                   |
| 07352W                                  | 5024N             | 2581-15015                   | 00000/0000                  | 2-20030/1856     | 08/25/76            | 60              | 8100         | 43.7         | 139.1                              | GGGG                |                      | 12                    | 39                   |
| 07352W                                  | 5018N             | 2437-15055                   | 00000/0000                  | 2-20022/1255     | 04/03/76            | 90              | 6092         | 39.4         | 142.7                              | FGGG                |                      | 17                    | 25                   |
| 07352W                                  | 1128S             | 2479-14135                   | 00000/0000                  | 2-20025/0605     | 05/15/76            | 70              | 6677         | 40.6         | 52.3                               | GGGG                |                      | 17                    | 25                   |
| 07352W                                  | 4139S             | 2383-13510                   | 00000/0000                  | 2-20020/1289     | 02/09/76            | 10              | 5338         | 39.6         | 73.0                               | GGGF                |                      | 5                     | 68                   |
| 07353W                                  | 2437N             | 2449-14383                   | 00000/0000                  | 2-20023/0238     | 04/15/76            | 70              | 6259         | 54.4         | 108.3                              | GGGG                |                      | 250                   | 89                   |
| 07353W                                  | 0714N             | 2716-14175                   | 00000/0000                  | 2-20038/1015     | 01/07/77            | 20              | 9982         | 40.2         | 127.5                              | GGGG                |                      | 11                    | 43                   |
|                                         |                   |                              |                             |                  |                     |                 |              |              |                                    |                     |                      | 8                     | 55                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN RPLI<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07353W                                  | 1130S             | 2515-14125                                         | 00000/0000       | 2-20027/0101        | 06/20/76        | 90           | 7179         | 36.8                               | 48.8                | GGGG                 |                       | 68                   |
| 07354W                                  | 5020N             | 2707-14572                                         | 00000/0000       | 2-20038/0353        | 12/29/76        | 10           | 9857         | 11.8                               | 152.0               | GGGG                 |                       | 25                   |
| 07354W                                  | 2436N             | 2467-14380                                         | 00000/0000       | 2-20024/1373        | 05/03/76        | 50           | 6510         | 57.4                               | 99.2                | GGGG                 |                       | 43                   |
| 07354W                                  | 0712N             | 2518-14244                                         | 00000/0000       | 2-20027/0360        | 06/23/76        | 40           | 7221         | 49.9                               | 61.8                | GGGF                 | H                     | 55                   |
| 07355W                                  | 5542N             | 2403-15165                                         | 00000/0000       | 2-20021/0921        | 02/29/76        | 0            | 5618         | 22.5                               | 150.0               | GGGG                 |                       | 21                   |
| 07355W                                  | 5010N             | 2491-15042                                         | 00000/0000       | 2-20026/0331        | 05/27/76        | 0            | 6845         | 54.2                               | 133.7               | FGGG                 |                       | 25                   |
| 07355W                                  | 2436N             | 2431-14391                                         | 00000/0000       | 2-20027/0612        | 03/28/76        | 40           | 6008         | 49.8                               | 116.6               | GGGG                 |                       | 43                   |
| 07355W                                  | 2431N             | 2485-14374                                         | 00000/0000       | 2-20026/0597        | 05/21/76        | 60           | 6761         | 58.7                               | 91.0                | GGGG                 | H                     | 43                   |
| 07356W                                  | 5016N             | 2599-15013                                         | 00000/0000       | 2-20037/1215        | 09/12/76        | 70           | 8351         | 38.2                               | 144.1               | FGGG                 |                       | 25                   |
| 07357W                                  | 5011N             | 2419-15063                                         | 00000/0000       | 2-20027/0143        | 03/16/76        | 10           | 5841         | 32.5                               | 144.5               | FGGG                 |                       | 25                   |
| 07358W                                  | 5006N             | 2365-15075                                         | 00000/0000       | 2-20020/0174        | 01/22/76        | 30           | 5088         | 15.3                               | 161.0               | FP G                 |                       | 25                   |
| 07358W                                  | 2435N             | 2719-14300                                         | 00000/0000       | 2-20038/1201        | 01/10/77        | 20           | 24           | 30.4                               | 138.2               | GGGG                 |                       | 43                   |
| 07359W                                  | 5013N             | 2617-15005                                         | 00000/0000       | 2-20034/0173        | 03/30/76        | 70           | 8602         | 32.2                               | 148.7               | GGGG                 |                       | 25                   |
| 07359W                                  | 5006N             | 2509-15040                                         | 00000/0000       | 2-20026/1586        | 06/14/76        | 10           | 7096         | 55.5                               | 130.6               | GGG                  |                       | 25                   |
| 07400W                                  | 5303N             | 2600-15062                                         | 00000/0000       | 2-20032/1251        | 09/13/76        | 90           | 8365         | 36.0                               | 146.9               | GGGF                 |                       | 23                   |
| 07400W                                  | 2431N             | 2683-14313                                         | 00000/0000       | 2-20037/0206        | 12/05/76        | 40           | 9522         | 32.7                               | 142.4               | GGGG                 | H                     | 43                   |
| 07400W                                  | 1132S             | 2389-14162                                         | 00000/0000       | 2-20020/1617        | 02/15/76        | 100          | 5422         | 47.6                               | 96.5                | FFFF                 |                       | 68                   |
| 07401W                                  | 6000N             | 2477-15245                                         | 2-20027/0609     | 00000/0000          | 05/13/76        | 0            | 6650         | 45.7                               | 149.9               | GGG                  |                       | 18                   |
| 07401W                                  | 5005N             | 2653-14594                                         | 00000/0000       | 2-20035/0581        | 11/05/76        | 90           | 9104         | 20.5                               | 154.3               | GGGG                 |                       | 25                   |
| 07402W                                  | 5255N             | 2366-15124                                         | 00000/0000       | 2-20019/0215        | 01/23/76        | 100          | 5102         | 13.4                               | 152.3               | GGGG                 |                       | 23                   |
| 07403W                                  | 7934N             | 2598-18124                                         | 2-20033/0245     | 00000/0000          | 09/11/76        | 40           | 8339         | 14.1                               | 200.7               | GGG                  |                       | 2                    |
| 07404W                                  | 5001N             | 2635-15022                                         | 00000/0000       | 2-20034/0853        | 10/18/76        | 90           | 8853         | 26.3                               | 152.1               | GGGG                 |                       | 25                   |
| 07405W                                  | 5954N             | 2405-15265                                         | 2-20027/0555     | 00000/0000          | 03/02/76        | 30           | 5646         | 20.2                               | 153.2               | GGG                  |                       | 18                   |
| 07405W                                  | 4953N             | 2389-15073                                         | 00000/0000       | 2-20020/1242        | 02/09/76        | 20           | 5339         | 19.9                               | 148.3               | GGGG                 |                       | 25                   |
| 07408W                                  | 2858N             | 2450-14430                                         | 00000/0000       | 2-20023/0309        | 04/16/76        | 40           | 6273         | 53.7                               | 114.2               | GGGG                 |                       | 40                   |
| 07410W                                  | 2856N             | 2432-14434                                         | 00000/0000       | 2-20022/0917        | 03/29/76        | 10           | 6022         | 48.7                               | 121.4               | FGGG                 |                       | 40                   |
| 07410W                                  | 2856N             | 2468-14423                                         | 00000/0000       | 2-20024/1496        | 05/04/76        | 60           | 6524         | 57.4                               | 106.0               | GGGG                 |                       | 40                   |
| 07411W                                  | 2849N             | 2486-14421                                         | 00000/0000       | 2-20025/1235        | 05/22/76        | 60           | 6775         | 59.2                               | 98.2                | GGGG                 |                       | 40                   |
| 07412W                                  | 1254S             | 2479-14141                                         | 00000/0000       | 2-20025/0606        | 05/15/76        | 40           | 6677         | 39.5                               | 51.5                | GGGG                 |                       | 69                   |
| 07413W                                  | 0548N             | 2716-14182                                         | 00000/0000       | 2-20038/1016        | 01/07/77        | 30           | 9982         | 40.8                               | 126.4               | GGGG                 |                       | 56                   |
| 07413W                                  | 1253S             | 2497-14134                                         | 00000/0000       | 2-20026/0154        | 06/02/76        | 20           | 6928         | 37.2                               | 48.6                | FGGG                 |                       | 69                   |
| 07414W                                  | 2853N             | 2684-14355                                         | 00000/0000       | 2-20037/0282        | 12/06/76        | 80           | 9536         | 29.5                               | 144.7               | GF                   | H                     | 40                   |
| 07414W                                  | 1256S             | 2515-14132                                         | 00000/0000       | 2-20027/0102        | 06/20/76        | 80           | 7179         | 35.7                               | 48.1                | GGGG                 |                       | 69                   |
| 07415W                                  | 7923N             | 2525-18090                                         | 2-20029/0252     | 00000/0000          | 06/30/76        | 80           | 7321         | 33.3                               | 199.0               | GGG                  |                       | 2                    |
| 07415W                                  | 2854N             | 2720-14343                                         | 00000/0000       | 2-20038/0568        | 01/11/77        | 70           | 38           | 27.7                               | 140.2               | GGGG                 |                       | 40                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RRL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RVS MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07415W                      | 2850N             | 2414-14441            | 00000/0000                 | 2-20021/1180     | 03/11/76            | 30              | 5771         | 42.9         | 127.4                              |                     |                      |                       |                      |
| 07415W                      | 2311N             | 2449-14390            | 00000/0000                 | 2-20023/0239     | 04/15/76            | 40              | 6259         | 54.5         | 106.1                              | FGGG                |                      | 12                    | 40                   |
| 07416W                      | 2309N             | 2467-14353            | 00000/0000                 | 2-20024/1374     | 05/03/76            | 50              | 6510         | 57.4         | 96.8                               | GGGG                |                      | 11                    | 44                   |
| 07417W                      | 2305N             | 2485-14380            | 00000/0000                 | 2-20026/0598     | 05/21/76            | 50              | 6761         | 58.5         | 88.5                               | GGGG                |                      | 11                    | 44                   |
| 07418W                      | 2310N             | 2431-14393            | 00000/0000                 | 2-20027/0813     | 03/28/76            | 20              | 6008         | 50.2         | 114.8                              | GGGG                |                      | 11                    | 44                   |
| 07419W                      | 8035N             | 2517-19055            | 2-20029/0199               | 00000/0000       | 06/22/76            | 50              | 7210         | 31.4         | 214.4                              | GG                  |                      | 44                    | 248                  |
| 07421W                      | 7934N             | 2580-18131            | 2-20033/0056               | 00000/0000       | 08/24/76            | 80              | 8088         | 20.8         | 199.7                              | GGG                 |                      | 51                    | 2                    |
| 07421W                      | 7925N             | 2543-18083            | 2-20030/1880               | 00000/0000       | 07/14/76            | 10              | 7572         | 31.1         | 198.2                              | GGG                 |                      | 51                    | 2                    |
| 07422W                      | 1258S             | 2389-14165            | 00000/0000                 | 2-20020/1618     | 02/15/76            | 100             | 5422         | 47.5         | 94.9                               | GGGG                |                      | 5                     | 69                   |
| 07423W                      | 7737N             | 2553-17231            | 2-20031/0006               | 00000/0000       | 07/28/76            | 0               | 7711         | 31.2         | 185.7                              | GGG                 |                      | 43                    | 4                    |
| 07423W                      | 8043N             | 2591-19151            | 2-20033/0120               | 00000/0000       | 09/04/76            | 10              | 8242         | 14.5         | 215.9                              | GGG                 |                      | 50                    | 247                  |
| 07427W                      | 5001S             | 2399-13413            | 00000/0000                 | 2-20021/0598     | 02/25/76            | 70              | 5561         | 30.8         | 65.2                               | GGGG                |                      | 248                   | 95                   |
| 07428W                      | 4857N             | 2455-15054            | 00000/0000                 | 2-20024/0098     | 04/21/76            | 60              | 6343         | 46.6         | 138.8                              | GGGG                |                      | 17                    | 26                   |
| 07428W                      | 6118N             | 2406-15321            | 2-20027/0622               | 00000/0000       | 03/03/76            | 10              | 5660         | 19.5         | 154.3                              | GGG                 |                      | 22                    | 17                   |
| 07429W                      | 4853N             | 2473-15052            | 00000/0000                 | 2-20025/0091     | 05/09/76            | 20              | 6594         | 51.7         | 135.4                              | GGG                 |                      | 17                    | 26                   |
| 07430W                      | 8006N             | 2548-18364            | 2-20030/1886               | 00000/0000       | 07/23/76            | 0               | 7642         | 29.0         | 205.3                              | GGG                 |                      | 56                    | 1                    |
| 07430W                      | 6114N             | 2514-15291            | 00000/0000                 | 2-20026/1864     | 06/19/76            | 80              | 7166         | 49.2         | 147.6                              | GGGG                |                      | 22                    | 17                   |
| 07430W                      | 4859N             | 2581-15022            | 00000/0000                 | 2-20030/1857     | 08/25/76            | 70              | 8100         | 44.5         | 137.6                              | GGGG                |                      | 17                    | 26                   |
| 07430W                      | 4853N             | 2437-15062            | 00000/0000                 | 2-20027/1256     | 04/03/76            | 90              | 6092         | 40.3         | 141.3                              | GGGG                |                      | 17                    | 26                   |
| 07432W                      | 4855N             | 2707-14575            | 00000/0000                 | 2-20038/0354     | 12/29/76            | 90              | 9857         | 12.9         | 151.3                              | GGGG                |                      | 17                    | 26                   |
| 07432W                      | 2731N             | 2450-14433            | 00000/0000                 | 2-20023/0310     | 04/16/76            | 30              | 6273         | 54.1         | 112.1                              | GGGG                |                      | 12                    | 41                   |
| 07433W                      | 0422N             | 2716-14184            | 00000/0000                 | 2-20038/1017     | 01/07/77            | 20              | 9982         | 41.5         | 125.2                              | GGGG                |                      | 8                     | 57                   |
| 07434W                      | 4851N             | 2599-15015            | 00000/0000                 | 2-20032/1215     | 09/12/76            | 60              | 8351         | 39.2         | 142.7                              | FGGG                |                      | 17                    | 26                   |
| 07434W                      | 2730N             | 2432-14440            | 00000/0000                 | 2-20022/0923     | 03/29/76            | 20              | 6022         | 49.2         | 119.7                              | GG                  |                      | 12                    | 41                   |
| 07434W                      | 2730N             | 2468-14430            | 00000/0000                 | 2-20024/1497     | 05/04/76            | 90              | 6624         | 57.5         | 103.6                              | GGGG                |                      | 12                    | 41                   |
| 07435W                      | 7836N             | 2557-17454            | 2-20031/0031               | 00000/0000       | 08/01/76            | 90              | 7767         | 29.1         | 191.6                              | GGG                 |                      | 47                    | 3                    |
| 07435W                      | 2723N             | 2486-14423            | 00000/0000                 | 2-20025/1239     | 05/22/76            | 30              | 6775         | 59.1         | 95.7                               | GG                  |                      | 12                    | 41                   |
| 07437W                      | 0838S             | 2462-14191            | 00000/0000                 | 2-20024/0868     | 04/28/76            | 30              | 6440         | 44.9         | 59.7                               | GGGG                |                      | 6                     | 66                   |
| 07438W                      | 8013N             | 2585-18412            | 2-20033/0104               | 00000/0000       | 08/29/76            | 80              | 8158         | 17.9         | 207.0                              | GGG                 |                      | 56                    | 1                    |
| 07438W                      | 2144N             | 2449-14392            | 00000/0000                 | 2-20023/0240     | 04/15/76            | 80              | 6259         | 54.7         | 104.0                              | FFGG                |                      | 11                    | 45                   |
| 07438W                      | 2142N             | 2467-14385            | 00000/0000                 | 2-20024/1375     | 05/03/76            | 40              | 6510         | 57.3         | 94.4                               | GGGG                |                      | 11                    | 45                   |
| 07439W                      | 2727N             | 2684-14362            | 00000/0000                 | 2-20037/0276     | 12/06/76            | 80              | 9536         | 30.5         | 143.9                              | GGGG                |                      | 12                    | 41                   |
| 07439W                      | 2727N             | 2720-14345            | 00000/0000                 | 2-20038/0569     | 01/11/77            | 60              | 38           | 28.6         | 139.5                              | GGGG                |                      | 12                    | 41                   |
| 07439W                      | 2724N             | 2414-14444            | 00000/0000                 | 2-20021/1184     | 03/11/76            | 40              | 5771         | 43.6         | 126.1                              | GF                  |                      | 12                    | 41                   |
| 07440W                      | 2143N             | 2431-14400            | 00000/0000                 | 2-20022/0814     | 03/28/76            | 10              | 6008         | 50.6         | 113.0                              | GGGG                |                      | 11                    | 45                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS-BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=1.5W GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER % | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>F3V MSS | MSS<br>DATA<br>MODF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                  |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07442W                      | 8044N             | 2573-19154            | 2-P0033/0021         | 00000/0000       | 08/17/76         | 90              | 7991         | 20.9         | 215.2                 | GGG                 |                      | 50                    | 247                  |
| 07442W                      | 8041N             | 2609-19144            | 2-P0034/1209         | 00000/0000       | 09/22/76         | 10              | 8493         | 7.6          | 216.3                 | GGG                 |                      | 44                    | 248                  |
| 07442W                      | 5137N             | 2420-15114            | 00000/0000           | 2-20022/0154     | 03/17/76         | 10              | 5855         | 31.9         | 145.5                 |                     |                      | 18                    | 24                   |
| 07443W                      | 5138N             | 2600-15064            | 00000/0000           | 2-20032/1252     | 09/13/76         | 90              | 8365         | 37.0         | 145.6                 | GGGG                |                      | 18                    | 24                   |
| 07444W                      | 5418N             | 2403-15171            | 00000/0000           | 2-20021/0922     | 02/29/76         | 0               | 5618         | 23.5         | 149.0                 | GGGG                |                      | 19                    | 22                   |
| 07444W                      | 5131N             | 2366-15131            | 00000/0000           | 2-20019/0216     | 01/23/76         | 10              | 5102         | 14.4         | 161.5                 | GGGG                |                      | 18                    | 24                   |
| 07450W                      | 7831N             | 2539-17461            | 2-P0029/0291         | 00000/0000       | 07/14/76         | 50              | 7516         | 32.9         | 191.6                 |                     |                      | 47                    | 3                    |
| 07450W                      | 7731N             | 2535-17234            | 2-P0029/0307         | 00000/0000       | 07/10/76         | 90              | 7460         | 34.6         | 185.7                 | PPF                 |                      | 44                    | 4                    |
| 07453W                      | 0255N             | 2716-14191            | 00000/0000           | 2-20038/1018     | 01/07/77         | 40              | 9982         | 42.1         | 124.0                 | GGGG                |                      | 8                     | 58                   |
| 07454W                      | 8057N             | 2524-19452            | 2-P0029/0247         | 00000/0000       | 06/29/76         | 90              | 7308         | 30.0         | 223.6                 | GGG                 |                      | 57                    | 246                  |
| 07454W                      | 7747N             | 2572-17282            | 2-P0033/0012         | 00000/0000       | 08/16/76         | 10              | 7976         | 25.7         | 186.9                 | GGG                 |                      | 44                    | 4                    |
| 07455W                      | 8010N             | 2567-18415            | 2-P0033/0143         | 00000/0000       | 08/11/76         | 70              | 7907         | 24.0         | 206.1                 | GGG                 |                      | 57                    | 1                    |
| 07455W                      | 2605N             | 2450-14435            | 00000/0000           | 2-20023/0311     | 04/16/76         | 30              | 6273         | 54.3         | 110.0                 | GGGG                |                      | 12                    | 42                   |
| 07457W                      | 2603N             | 2468-14432            | 00000/0000           | 2-20024/1498     | 05/04/76         | 80              | 6524         | 57.6         | 101.2                 | GGGG                |                      | 12                    | 42                   |
| 07458W                      | 7746N             | 2590-17275            | 2-P0033/0112         | 00000/0000       | 09/03/76         | 90              | 8227         | 19.5         | 187.8                 | GGG                 |                      | 44                    | 4                    |
| 07458W                      | 5837N             | 2477-15251            | 2-P0027/0610         | 00000/0000       | 05/13/76         | 10              | 6650         | 46.6         | 148.0                 | GGG                 |                      | 21                    | 19                   |
| 07458W                      | 2604N             | 2432-14443            | 00000/0000           | 2-20022/0918     | 03/29/76         | 30              | 6022         | 49.6         | 117.9                 |                     |                      | 12                    | 42                   |
| 07458W                      | 1003S             | 2480-14190            | 00000/0000           | 2-20025/0530     | 05/16/76         | 80              | 6691         | 41.5         | 52.9                  | GGGG                |                      | 6                     | 67                   |
| 07458W                      | 1004S             | 2462-14193            | 00000/0000           | 2-20024/0869     | 04/28/76         | 60              | 6440         | 43.9         | 58.7                  | GGGG                |                      | 6                     | 67                   |
| 07459W                      | 2557N             | 2486-14430            | 00000/0000           | 2-20025/1236     | 05/22/76         | 50              | 6775         | 59.0         | 93.1                  | GGGG                |                      | 12                    | 42                   |
| 07459W                      | 2018N             | 2449-14395            | 00000/0000           | 2-20022/1801     | 04/15/76         | 40              | 6259         | 54.8         | 101.8                 | GGGG                |                      | 11                    | 46                   |
| 07501W                      | 2017N             | 2431-14432            | 00000/0000           | 2-20022/0815     | 03/28/76         | 20              | 6008         | 50.9         | 111.1                 | GGGG                |                      | 11                    | 46                   |
| 07502W                      | 2601N             | 2720-14352            | 00000/0000           | 2-20038/0572     | 01/11/77         | 60              | 38           | 29.6         | 138.7                 | GF                  |                      | 12                    | 42                   |
| 07502W                      | 2600N             | 2684-14364            | 00000/0000           | 2-20037/0277     | 12/06/76         | 60              | 9536         | 31.5         | 143.2                 | GGGG                |                      | 12                    | 42                   |
| 07502W                      | 2559N             | 2414-14450            | 00000/0000           | 2-20021/1181     | 03/11/76         | 70              | 5771         | 44.2         | 124.7                 | GGGG                |                      | 12                    | 42                   |
| 07510W                      | 3023N             | 2451-14482            | 00000/0000           | 2-20024/0059     | 04/17/76         | 10              | 6287         | 53.6         | 115.8                 | FFFF                |                      | 13                    | 39                   |
| 07511W                      | 3022N             | 2469-14475            | 00000/0000           | 2-20024/1553     | 05/05/76         | 20              | 6538         | 57.4         | 108.0                 | GGGG                |                      | 13                    | 39                   |
| 07512W                      | 7928N             | 2562-18134            | 2-P0031/0063         | 00000/0000       | 08/06/76         | 90              | 7837         | 26.6         | 198.4                 | GGG                 |                      | 52                    | 2                    |
| 07512W                      | 3025N             | 2577-14445            | 00000/0000           | 2-20030/1662     | 08/21/76         | 90              | 8044         | 53.0         | 112.3                 | GGGG                |                      | 13                    | 39                   |
| 07513W                      | 7843N             | 2576-17504            | 2-P0033/0026         | 00000/0000       | 08/20/76         | 90              | 8032         | 23.3         | 192.8                 | GGG                 |                      | 48                    | 3                    |
| 07513W                      | 3018N             | 2559-14453            | 00000/0000           | 2-20030/0720     | 08/03/76         | 70              | 7793         | 55.4         | 103.8                 | GGGG                |                      | 13                    | 39                   |
| 07513W                      | 3014N             | 2523-14463            | 00000/0000           | 2-20028/0309     | 06/28/76         | 20              | 7291         | 58.6         | 94.4                  | GGGG                |                      | 13                    | 39                   |
| 07513W                      | 0128N             | 2716-14193            | 00000/0000           | 2-20038/1019     | 01/07/77         | 50              | 9982         | 42.7         | 122.8                 | GGGG                |                      | 8                     | 59                   |
| 07514W                      | 3021N             | 2433-14485            | 00000/0000           | 2-20022/0780     | 03/30/76         | 30              | 6036         | 48.6         | 122.7                 | GGGG                |                      | 13                    | 39                   |
| 07514W                      | 3015N             | 2487-14472            | 00000/0000           | 2-20025/1045     | 05/23/76         | 90              | 6789         | 59.3         | 100.4                 | GGGG                |                      | 13                    | 39                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 177

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               |                                                |                  |                     |                 |              |              |                                    |                     |                      |                       |                      |
| 07515N                      | 3015N             | 2541-14460                                     | 00000/0000       | 2-20028/1764        | 07/16/76        | 10           | 7542         | 57.2                               | 97.5                |                      |                       |                      |
| 07516N                      | 7841N             | 2594-17502                                     | 2-20033/0154     | 00000/0000          | 09/07/76        | 50           | 8283         | 16.9                               | 193.5               | FFG                  | 13                    | 39                   |
| 07516N                      | 3021N             | 2721-14394                                     | 00000/0000       | 2-20038/1294        | 01/12/77        | 80           | 52           | 26.8                               | 140.8               |                      | 48                    | 3                    |
| 07516N                      | 3017N             | 2595-14443                                     | 00000/0000       | 2-20035/0918        | 09/08/76        | 60           | 8295         | 49.9                               | 121.5               | GGGG                 | 13                    | 39                   |
| 07517N                      | 3020N             | 2703-14403                                     | 00000/0000       | 2-20037/1331        | 12/25/76        | 40           | 9801         | 26.5                               | 143.8               | GGGG                 | 13                    | 39                   |
| 07518N                      | 5016N             | 2474-15103                                     | 00000/0000       | 2-20025/0122        | 05/10/76        | 30           | 6608         | 51.1                               | 137.1               | GGGG                 | 13                    | 39                   |
| 07518N                      | 1130S             | 2480-14193                                     | 00000/0000       | 2-20025/0531        | 05/16/76        | 70           | 6691         | 40.4                               | 52.1                | FFGG                 | 18                    | 25                   |
| 07518N                      | 1131S             | 2462-14200                                     | 00000/0000       | 2-20024/0870        | 04/28/76        | 40           | 6440         | 43.0                               | 57.7                | GGGG                 | 6                     | 68                   |
| 07519N                      | 5019N             | 2438-15113                                     | 00000/0000       | 2-20027/1784        | 04/04/76        | 70           | 6106         | 39.8                               | 142.6               | GGGG                 | 6                     | 68                   |
| 07519N                      | 1128S             | 2498-14190                                     | 00000/0000       | 2-20026/0713        | 06/03/76        | 10           | 6942         | 38.2                               | 49.2                | GGGG                 | 18                    | 25                   |
| 07520W                      | 7827N             | 2521-17464                                     | 2-20029/0224     | 00000/0000          | 06/26/76        | 80           | 7265         | 34.7                               | 192.1               | PP                   | 6                     | 68                   |
| 07520W                      | 3014N             | 2631-14432                                     | 00000/0000       | 2-20034/0742        | 10/14/76        | 40           | 8797         | 41.3                               | 137.4               |                      | 48                    | 3                    |
| 07520W                      | 3013N             | 2649-14424                                     | 00000/0000       | 2-20035/0423        | 11/01/76        | 60           | 9048         | 36.4                               | 142.4               | GGGG                 | 13                    | 39                   |
| 07520W                      | 2438N             | 2432-14445                                     | 00000/0000       | 2-20027/0919        | 03/29/76        | 40           | 6022         | 50.1                               | 116.2               | GGGG                 | 13                    | 39                   |
| 07520W                      | 2437N             | 2468-14435                                     | 00000/0000       | 2-20024/1499        | 05/04/76        | 80           | 6524         | 57.6                               | 98.8                | GGGG                 | 12                    | 43                   |
| 07521W                      | 7741N             | 2608-17272                                     | 2-20034/1202     | 00000/0000          | 09/21/76        | 10           | 8478         | 12.7                               | 188.4               | GGG                  | 12                    | 43                   |
| 07521W                      | 5009N             | 2528-15091                                     | 00000/0000       | 2-20028/0554        | 07/03/76        | 0            | 7361         | 54.6                               | 129.5               | GG                   | 44                    | 4                    |
| 07521W                      | 2431N             | 2486-14432                                     | 00000/0000       | 2-20025/1237        | 05/22/76        | 70           | 6775         | 58.8                               | 90.6                | FFGG                 | 18                    | 25                   |
| 07522N                      | 5012N             | 2420-15121                                     | 00000/0000       | 2-20027/0155        | 03/17/76        | 10           | 5855         | 32.9                               | 144.4               | FFGG                 | 12                    | 43                   |
| 07522W                      | 5009N             | 2492-15101                                     | 00000/0000       | 2-20026/0392        | 05/28/76        | 10           | 6859         | 54.4                               | 133.5               | FFGG                 | 18                    | 25                   |
| 07522W                      | 5008N             | 2546-15084                                     | 00000/0000       | 2-20028/1873        | 07/21/76        | 80           | 7612         | 52.1                               | 130.9               | GGGF                 | 18                    | 25                   |
| 07522W                      | 3011N             | 2397-14500                                     | 00000/0000       | 2-20021/0494        | 02/23/76        | 90           | 5534         | 36.9                               | 133.5               | GGG                  | 18                    | 25                   |
| 07522N                      | 1851N             | 2431-14405                                     | 00000/0000       | 2-20027/0816        | 03/28/76        | 10           | 6008         | 51.1                               | 109.3               | GGGG                 | 13                    | 39                   |
| 07523N                      | 5014N             | 2600-15071                                     | 00000/0000       | 2-20037/1253        | 09/13/76        | 90           | 8365         | 37.9                               | 144.3               | GGGG                 | 11                    | 47                   |
| 07523N                      | 3005N             | 2379-14503                                     | 00000/0000       | 2-20020/1004        | 02/05/76        | 10           | 5283         | 32.2                               | 137.9               | GGGG                 | 18                    | 25                   |
| 07523W                      | 0714N             | 2393-14335                                     | 00000/0000       | 2-20021/0183        | 02/19/76        | 60           | 5478         | 45.7                               | 114.6               | GPFF                 | 13                    | 39                   |
| 07524N                      | 5006N             | 2366-15133                                     | 00000/0000       | 2-20019/0217        | 01/23/76        | 30           | 5102         | 15.5                               | 150.8               | F G                  | 9                     | 55                   |
| 07525W                      | 2435N             | 2720-14354                                     | 00000/0000       | 2-20038/0570        | 01/11/77        | 50           | 38           | 30.5                               | 138.0               | GGGG                 | 18                    | 25                   |
| 07525W                      | 2433N             | 2414-14453                                     | 00000/0000       | 2-20021/1182        | 03/11/76        | 30           | 5771         | 44.8                               | 123.2               | GGGF                 | 12                    | 43                   |
| 07526W                      | 2434N             | 2684-14371                                     | 00000/0000       | 2-20037/0278        | 12/06/76        | 70           | 9536         | 32.5                               | 142.4               | GGGG                 | 12                    | 43                   |
| 07527W                      | 5011N             | 2618-15064                                     | 00000/0000       | 2-20034/0245        | 10/01/76        | 80           | 8616         | 31.9                               | 148.9               | GGGG                 | 12                    | 43                   |
| 07528W                      | 5005N             | 2654-15052                                     | 00000/0000       | 2-20035/0572        | 11/06/76        | 100          | 9118         | 20.2                               | 154.4               | GGGG                 | 18                    | 25                   |
| 07529W                      | 5255N             | 2403-15174                                     | 00000/0000       | 2-20021/0923        | 02/29/76        | 30           | 5618         | 24.5                               | 148.0               | GGGF                 | 18                    | 25                   |
| 07530N                      | 5956N             | 2406-15324                                     | 2-20027/0623     | 00000/0000          | 03/03/76        | 10           | 5660         | 20.5                               | 153.2               | GGGG                 | 19                    | 23                   |
| 07531W                      | 4952N             | 2384-15131                                     | 00000/0000       | 2-20020/1243        | 02/10/76        | 100          | 5353         | 20.2                               | 148.2               | GG                   | 22                    | 18                   |
|                             |                   |                                                |                  |                     |                 |              |              |                                    |                     | GGGF                 | 18                    | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 1317

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07532W                                  | 5952N             | 2514-15294                   | 00000/0000                  | 2-20026/1865     | 06/19/76            | 10              | 7166         | 50.1         | 145.5                              |                     | GGGG                 | 22                    | 18                   |
| 07534W                                  | 8040N             | 2555-19161                   | 2-20031/0019                | 00000/0000       | 07/30/76            | 30              | 7740         | 26.2         | 214.3                              | GG                  | GGGG                 | 45                    | 245                  |
| 07534W                                  | 2857N             | 2451-14484                   | 00000/0000                  | 2-20024/0064     | 04/17/76            | 20              | 6287         | 54.0         | 113.7                              |                     | GG                   | 13                    | 40                   |
| 07534W                                  | 2856N             | 2469-14481                   | 00000/0000                  | 2-20024/1554     | 05/05/76            | 20              | 6538         | 57.5         | 105.6                              |                     | GGGG                 | 13                    | 40                   |
| 07535W                                  | 8036N             | 2518-19113                   | 2-20029/0205                | 00000/0000       | 06/23/76            | 40              | 7224         | 31.4         | 214.5                              | GG                  |                      | 45                    | 248                  |
| 07535W                                  | 7926N             | 2544-15141                   | 2-20029/0269                | 00000/0000       | 07/19/76            | 10              | 7586         | 30.9         | 198.3                              | GGF                 |                      | 52                    | 2                    |
| 07535W                                  | 7837N             | 2612-17495                   | 2-20034/1223                | 00000/0000       | 09/25/76            | 70              | 8534         | 10.0         | 194.2                              | GGF                 |                      | 48                    | 3                    |
| 07536W                                  | 2858N             | 2577-14452                   | 00000/0000                  | 2-20030/1653     | 08/21/76            | 50              | 8044         | 53.3         | 110.3                              |                     | FGFG                 | 13                    | 40                   |
| 07537W                                  | 2852N             | 2559-14455                   | 00000/0000                  | 2-20030/0721     | 08/03/76            | 80              | 7793         | 55.4         | 101.5                              |                     | GGGG                 | 13                    | 40                   |
| 07538W                                  | 7739N             | 2554-17285                   | 2-20031/0013                | 00000/0000       | 07/29/76            | 10              | 7725         | 30.9         | 185.9                              | GG                  |                      | 44                    | 4                    |
| 07538W                                  | 2854N             | 2433-14492                   | 00000/0000                  | 2-20022/0781     | 03/30/76            | 10              | 6036         | 49.0         | 121.0                              |                     | GGGG                 | 13                    | 40                   |
| 07538W                                  | 2849N             | 2487-14475                   | 00000/0000                  | 2-20025/1046     | 05/23/76            | 90              | 6789         | 59.2         | 97.8                               |                     | GGG                  | 13                    | 40                   |
| 07538W                                  | 2849N             | 2523-14465                   | 00000/0000                  | 2-20028/0310     | 06/28/76            | 20              | 7291         | 58.5         | 91.9                               |                     | GGGG                 | 13                    | 40                   |
| 07539W                                  | 7935N             | 2581-15185                   | 2-20033/0065                | 00000/0000       | 08/25/76            | 50              | 8102         | 20.4         | 199.9                              | GGG                 |                      | 52                    | 2                    |
| 07539W                                  | 2849N             | 2541-14462                   | 00000/0000                  | 2-20028/1765     | 07/16/76            | 10              | 7542         | 57.1         | 95.1                               |                     | GGGG                 | 13                    | 40                   |
| 07540W                                  | 2855N             | 2721-14401                   | 00000/0000                  | 2-20038/1295     | 01/12/77            | 70              | 52           | 27.8         | 140.0                              |                     | FGGG                 | 13                    | 40                   |
| 07540W                                  | 2851N             | 2595-14445                   | 00000/0000                  | 2-20032/0919     | 09/08/76            | 10              | 8295         | 50.4         | 119.7                              |                     | GGGG                 | 13                    | 40                   |
| 07541W                                  | 2854N             | 2703-14405                   | 00000/0000                  | 2-20037/1335     | 12/25/76            | 40              | 9801         | 27.5         | 143.1                              |                     | GG                   | 13                    | 40                   |
| 07542W                                  | 2849N             | 2415-14495                   | 00000/0000                  | 2-20021/1553     | 03/12/76            | 20              | 5785         | 43.3         | 127.1                              |                     | GG                   | 13                    | 40                   |
| 07542W                                  | 2311N             | 2468-14441                   | 00000/0000                  | 2-20024/1500     | 05/04/76            | 70              | 6524         | 57.5         | 96.4                               |                     | GGGG                 | 12                    | 44                   |
| 07542W                                  | 0547N             | 2393-14341                   | 00000/0000                  | 2-20021/0241     | 02/19/76            | 90              | 5478         | 46.1         | 113.1                              |                     | FFGG                 | 9                     | 56                   |
| 07543W                                  | 8007N             | 2549-18422                   | 2-20030/1889                | 00000/0000       | 07/24/76            | 0               | 7656         | 28.8         | 205.5                              | GGF                 |                      | 57                    | 1                    |
| 07543W                                  | 2311N             | 2432-14452                   | 00000/0000                  | 2-20022/0920     | 03/29/76            | 30              | 6022         | 50.5         | 114.3                              |                     | GGGG                 | 12                    | 44                   |
| 07544W                                  | 7738N             | 2536-17292                   | 2-20029/0313                | 00000/0000       | 07/11/76            | 90              | 7474         | 34.4         | 186.2                              | FFF                 |                      | 44                    | 4                    |
| 07544W                                  | 2848N             | 2631-14434                   | 00000/0000                  | 2-20034/0743     | 10/14/76            | 30              | 8797         | 42.2         | 136.2                              |                     | GGGG                 | 13                    | 40                   |
| 07544W                                  | 2847N             | 2649-14430                   | 00000/0000                  | 2-20035/0424     | 11/01/76            | 90              | 9048         | 37.4         | 141.4                              |                     | GGGG                 | 13                    | 40                   |
| 07544W                                  | 2305N             | 2486-14435                   | 00000/0000                  | 2-20025/1238     | 05/22/76            | 50              | 6775         | 58.5         | 88.1                               |                     | GGGG                 | 12                    | 44                   |
| 07544W                                  | 1724N             | 2431-14411                   | 00000/0000                  | 2-20022/0817     | 03/28/76            | 20              | 6058         | 51.4         | 107.4                              |                     | GGGG                 | 11                    | 48                   |
| 07546W                                  | 8013N             | 2586-18470                   | 2-20033/0109                | 00000/0000       | 08/30/76            | 90              | 8172         | 17.5         | 207.2                              | GGG                 |                      | 57                    | 1                    |
| 07547W                                  | 2839N             | 2379-14505                   | 00000/0000                  | 2-20020/1005     | 02/05/76            | 20              | 5283         | 33.0         | 137.0                              |                     | GPFF                 | 13                    | 40                   |
| 07548W                                  | 2308N             | 2720-14361                   | 00000/0000                  | 2-20038/0571     | 01/11/77            | 40              | 38           | 31.4         | 137.2                              |                     | GGGF                 | 12                    | 44                   |
| 07548W                                  | 2307N             | 2684-14373                   | 00000/0000                  | 2-20037/0279     | 12/06/76            | 50              | 9536         | 33.5         | 141.6                              |                     | GGGF                 | 12                    | 44                   |
| 07548W                                  | 2306N             | 2414-14455                   | 00000/0000                  | 2-20021/1183     | 03/11/76            | 30              | 5771         | 45.4         | 121.8                              |                     | FGGG                 | 12                    | 44                   |
| 07550W                                  | 8011N             | 2604-18463                   | 2-20033/0198                | 00000/0000       | 09/17/76            | 0               | 8423         | 10.7         | 207.8                              | GGG                 |                      | 57                    | 1                    |
| 07551W                                  | 8044N             | 2574-19212                   | 2-20031/0071                | 00000/0000       | 08/18/76            | 20              | 8005         | 20.5         | 215.5                              | GGG                 |                      | 51                    | 247                  |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG | LAT   | RESOLUTION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|-------|------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07552W                              | 8043N | 2592-19205       | P-20033/0126                                   | 00000/0000       | 09/05/76            | 20              | 8256         | 14.2         | 215.8                              | GGG                 |                      |                       |                      |
| 07552W                              | 5714N | 2477-15254       | P-20027/0611                                   | 00000/0000       | 05/13/76            | 50              | 6650         | 47.6         | 146.1                              | GGG                 |                      | 51                    | 247                  |
| 07553W                              | 8013N | 2478-18500       | P-20027/0592                                   | 00000/0000       | 05/14/76            | 10              | 6666         | 27.4         | 209.9                              | GGG                 |                      | 21                    | 20                   |
| 07554W                              | 7838N | 2558-17512       | P-20031/0038                                   | 00000/0000       | 08/02/76            | 70              | 7781         | 28.8         | 191.7                              | GGF                 |                      | 57                    | 1                    |
| 07555W                              | 5709N | 2405-15274       | P-20027/0556                                   | 00000/0000       | 03/02/76            | 10              | 5646         | 22.2         | 151.0                              | GGG                 |                      | 48                    | 3                    |
| 07557W                              | 8042N | 2610-19202       | P-20034/1216                                   | 00000/0000       | 09/23/76            | 90              | 8507         | 7.2          | 216.5                              | GGG                 |                      | 21                    | 20                   |
| 07557W                              | 7847N | 2595-17560       | P-20033/0159                                   | 00000/0000       | 09/08/76            | 90              | 8297         | 16.4         | 194.2                              | GGG                 |                      | 51                    | 247                  |
| 07558W                              | 8038N | 2519-19171       | P-20029/0212                                   | 00000/0000       | 06/24/76            | 40              | 7238         | 31.2         | 215.4                              | GGG                 |                      | 48                    | 3                    |
| 07558W                              | 2731N | 2451-14491       | 00000/0000                                     | 2-20024/0060     | 04/17/76            | 20              | 6287         | 54.3         | 111.6                              | GGG                 |                      | 45                    | 248                  |
| 07558W                              | 2730N | 2469-14484       | 00000/0000                                     | 2-20024/1560     | 05/05/76            | 100             | 6536         | 57.6         | 103.1                              | FFGG                | H                    | 13                    | 41                   |
| 07559W                              | 7931N | 2539-18182       | P-20033/0254                                   | 00000/0000       | 09/12/76            | 10              | 8353         | 13.8         | 200.3                              | GGG                 |                      | 13                    | 41                   |
| 07600W                              | 2732N | 2577-14454       | 00000/0000                                     | 2-20030/1664     | 08/21/76            | 10              | 8044         | 53.5         | 108.2                              | GGG                 |                      | 52                    | 2                    |
| 07601W                              | 2726N | 2559-14462       | 00000/0000                                     | 2-20030/0722     | 08/03/76            | 80              | 7793         | 55.4         | 99.2                               | GGGG                |                      | 13                    | 41                   |
| 07602W                              | 2728N | 2433-14494       | 00000/0000                                     | 2-20022/0785     | 03/30/76            | 50              | 6036         | 49.5         | 119.2                              | GGGG                |                      | 13                    | 41                   |
| 07602W                              | 2723N | 2487-14481       | 00000/0000                                     | 2-20025/1047     | 05/23/76            | 90              | 6789         | 59.1         | 95.3                               | GGG                 | H                    | 13                    | 41                   |
| 07602W                              | 2722N | 2523-14472       | 00000/0000                                     | 2-20028/0311     | 06/28/76            | 10              | 7291         | 58.2         | 89.5                               | GGGG                | H                    | 13                    | 41                   |
| 07603W                              | 0421N | 2393-14344       | 00000/0000                                     | 2-20021/0242     | 02/19/76            | 80              | 5478         | 46.4         | 111.6                              | GGGG                |                      | 13                    | 41                   |
| 07603W                              | 2723N | 2541-14465       | 00000/0000                                     | 2-20028/1766     | 07/16/76            | 10              | 7542         | 56.9         | 92.7                               | GGGG                |                      | 2                     | 57                   |
| 07604W                              | 2729N | 2721-14403       | 00000/0000                                     | 2-20038/1298     | 01/12/77            | 80              | 52           | 28.7         | 139.3                              | GGG                 |                      | 13                    | 41                   |
| 07604W                              | 2728N | 2703-14412       | 00000/0000                                     | 2-20037/1332     | 12/25/76            | 60              | 9801         | 28.5         | 142.4                              | GGG                 | H                    | 13                    | 41                   |
| 07604W                              | 2725N | 2635-14452       | 00000/0000                                     | 2-20032/0920     | 09/08/76            | 10              | 8295         | 50.9         | 117.8                              | GGGG                | H                    | 13                    | 41                   |
| 07604W                              | 0420N | 2315-14350       | 00000/0000                                     | 2-20020/0765     | 02/01/76            | 30              | 5227         | 44.5         | 119.4                              | GGGG                |                      | 9                     | 57                   |
| 07605W                              | 2145N | 2432-14454       | 00000/0000                                     | 2-20024/1501     | 05/04/76            | 70              | 6524         | 57.4         | 94.0                               | GGGG                | H                    | 12                    | 45                   |
| 07605W                              | 2144N | 2468-14444       | 00000/0000                                     | 2-20021/1549     | 03/12/76            | 30              | 5785         | 43.9         | 125.7                              | GGGG                |                      | 19                    | 24                   |
| 07606W                              | 5141N | 2565-14333       | 00000/0000                                     | 2-20022/0212     | 03/18/76            | 0               | 5869         | 32.3         | 145.5                              | GGGG                | H                    | 13                    | 41                   |
| 07606W                              | 2723N | 2415-14302       | 00000/0000                                     | 2-20022/0212     | 03/18/76            | 0               | 5869         | 32.3         | 145.5                              | GGGG                |                      | 19                    | 24                   |
| 07607W                              | 5138N | 2421-14173       | 00000/0000                                     | 2-20022/0212     | 03/18/76            | 0               | 5869         | 32.3         | 145.5                              | GGGG                |                      | 19                    | 24                   |
| 07608W                              | 8005N | 2331-14425       | P-20029/0257                                   | 00000/0000       | 07/06/76            | 70              | 7405         | 31.7         | 205.8                              | GGG                 |                      | 58                    | 1                    |
| 07608W                              | 5133N | 2493-14153       | 00000/0000                                     | 2-20026/0916     | 05/29/76            | 30              | 6873         | 53.8         | 135.4                              | GGGG                |                      | 19                    | 24                   |
| 07608W                              | 2722N | 2631-14441       | 00000/0000                                     | 2-20034/0744     | 10/14/76            | 30              | 8797         | 43.0         | 135.0                              | GGGG                |                      | 13                    | 41                   |
| 07608W                              | 2721N | 2649-14433       | 00000/0000                                     | 2-20035/0425     | 11/01/76            | 70              | 9048         | 38.3         | 140.4                              | GGGG                |                      | 13                    | 41                   |
| 07609W                              | 7921N | 2516-14145       | P-20033/0081                                   | 00000/0000       | 07/01/76            | 30              | 7335         | 33.3         | 198.5                              | GGG                 |                      | 53                    | 2                    |
| 07609W                              | 270N  | 2377-14505       | 00000/0000                                     | 2-20021/0495     | 02/23/76            | 70              | 5534         | 38.4         | 131.3                              | GGG                 |                      | 13                    | 41                   |
| 07610W                              | 7732N | 2518-17295       | P-20029/0203                                   | 00000/0000       | 06/23/76            | 40              | 7223         | 35.9         | 186.8                              | GGG                 |                      | 45                    | 4                    |
| 07610W                              | 2140N | 2414-14462       | 00000/0000                                     | 2-20021/1436     | 03/11/76            | 10              | 5771         | 45.9         | 120.3                              | GGGG                | H                    | 12                    | 45                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                                     |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07611W                      | 2713N             | 2379-14512                              | 00000/0000       | 2-20020/1006        | 02/05/76        | 10           | 5283         | 33.9                  | 136.1               |                      |                       |                      |
| 07612W                      | 5131N             | 2403-15180                              | 00000/0000       | 2-20021/0924        | 02/29/76        | 80           | 5618         | 25.5                  | 147.0               |                      | 13                    | 41                   |
| 07614W                      | 5419N             | 2656-15153                              | 00000/0000       | 2-20036/0096        | 11/08/76        | 90           | 9146         | 16.2                  | 156.9               |                      | 19                    | 24                   |
| 07615W                      | 8011N             | 2568-18473                              | 2-20033/0147     | 00000/0000          | 08/12/76        | 100          | 7921         | 23.7                  | 206.3               | GGG                  | 20                    | 22                   |
| 07619W                      | 5121N             | 2601-15123                              | 00000/0000       | 2-20032/1254        | 09/14/76        | 70           | 8379         | 36.9                  | 145.6               | GGGG                 | 58                    | 1                    |
| 07621W                      | 6410N             | 2589-15433                              | 2-20033/0231     | 00000/0000          | 09/02/76        | 30           | 8212         | 31.8                  | 156.2               | GGF                  | 19                    | 24                   |
| 07621W                      | 2603N             | 2469-14490                              | 00000/0000       | 2-20024/1555        | 05/05/76        | 40           | 6538         | 57.7                  | 100.7               | GGGG                 | 25                    | 15                   |
| 07622W                      | 2604N             | 2451-14493                              | 00000/0000       | 2-20024/0061        | 04/17/76        | 20           | 6287         | 54.6                  | 109.4               | H                    | 13                    | 42                   |
| 07622W                      | 0254N             | 2393-14350                              | 00000/0000       | 2-20021/0243        | 02/19/76        | 70           | 5478         | 46.7                  | 110.1               | H                    | 13                    | 42                   |
| 07623W                      | 1003S             | 2445-14254                              | 00000/0000       | 2-20023/0023        | 04/11/76        | 10           | 6203         | 45.9                  | 66.5                | FGGG                 | 9                     | 58                   |
| 07624W                      | 0253N             | 2375-14353                              | 00000/0000       | 2-20020/0766        | 02/01/76        | 30           | 5227         | 45.0                  | 118.0               | GGGG                 | 7                     | 67                   |
| 07625W                      | 2602N             | 2433-14501                              | 00000/0000       | 2-20022/0782        | 03/30/76        | 10           | 6036         | 49.9                  | 117.5               | GGGG                 | 9                     | 58                   |
| 07625W                      | 2557N             | 2487-14484                              | 00000/0000       | 2-20025/1048        | 05/23/76        | 80           | 6789         | 59.0                  | 92.7                | FFGF                 | 13                    | 42                   |
| 07626W                      | 2018N             | 2468-14450                              | 00000/0000       | 2-20024/1502        | 05/04/76        | 30           | 6524         | 57.2                  | 91.6                | GGGG                 | 13                    | 42                   |
| 07627W                      | 7746N             | 2591-17333                              | 2-20033/0119     | 00000/0000          | 09/04/76        | 40           | 8241         | 19.1                  | 187.7               |                      | 12                    | 46                   |
| 07627W                      | 2602N             | 2721-14410                              | 00000/0000       | 2-20038/1296        | 01/12/77        | 30           | 52           | 29.6                  | 138.5               | GGG                  | 45                    | 4                    |
| 07628W                      | 8037N             | 2537-19164                              | 2-20029/0315     | 00000/0000          | 07/12/76        | 90           | 7489         | 29.8                  | 214.1               | GGGG                 | 13                    | 42                   |
| 07628W                      | 2602N             | 2703-14414                              | 00000/0000       | 2-20037/1333        | 12/25/76        | 30           | 9801         | 29.5                  | 141.6               | PPP                  | 45                    | 248                  |
| 07629W                      | 7746N             | 2573-17340                              | 2-20033/0020     | 00000/0000          | 08/17/76        | 30           | 7990         | 25.4                  | 186.9               | GGGG                 | 13                    | 42                   |
| 07629W                      | 2557N             | 2415-14504                              | 00000/0000       | 2-20021/1550        | 03/12/76        | 30           | 5785         | 44.5                  | 124.3               | GGG                  | 45                    | 4                    |
| 07630W                      | 7842N             | 2613-17553                              | 2-20034/1226     | 00000/0000          | 09/26/76        | 20           | 8548         | 9.5                   | 194.8               | GGGG                 | 13                    | 42                   |
| 07630W                      | 5829N             | 2514-15300                              | 00000/0000       | 2-20026/1866        | 06/19/76        | 20           | 7166         | 50.9                  | 143.3               | GGG                  | 48                    | 3                    |
| 07631W                      | 7845N             | 2577-17563                              | 2-20033/0033     | 00000/0000          | 08/21/76        | 30           | 8046         | 22.9                  | 193.0               | GGGG                 | 22                    | 19                   |
| 07632W                      | 7828N             | 2522-17522                              | 2-20029/0232     | 00000/0000          | 06/27/76        | 90           | 7279         | 34.6                  | 192.2               | GGG                  | 49                    | 3                    |
| 07632W                      | 7745N             | 2609-17330                              | 2-20034/1208     | 00000/0000          | 09/22/76        | 90           | 8492         | 12.2                  | 189.0               | G                    | 49                    | 3                    |
| 07633W                      | 1007S             | 2391-14273                              | 00000/0000       | 2-20021/0231        | 02/17/76        | 100          | 5450         | 47.7                  | 96.9                | GGG                  | 45                    | 4                    |
| 07638W                      | 7829N             | 2540-17515                              | 2-20030/1859     | 00000/0000          | 07/15/76        | 30           | 7530         | 32.8                  | 191.3               | GGGG                 | 7                     | 67                   |
| 07642W                      | 5550N             | 2477-15260                              | 2-20027/0612     | 00000/0000          | 05/13/76        | 90           | 6650         | 48.5                  | 144.2               | GGG                  | 49                    | 3                    |
| 07642W                      | 0128N             | 2393-14353                              | 00000/0000       | 2-20021/0244        | 02/19/76        | 70           | 5478         | 47.0                  | 108.6               | GGG                  | 21                    | 21                   |
| 07643W                      | 5020N             | 2439-15172                              | 00000/0000       | 2-20022/1267        | 04/05/76        | 10           | 6120         | 40.1                  | 142.5               | GGGG                 | 9                     | 59                   |
| 07643W                      | 5013N             | 2475-15162                              | 00000/0000       | 2-20025/0073        | 05/11/76        | 90           | 6622         | 51.3                  | 137.0               | GGGG                 | 19                    | 25                   |
| 07644W                      | 8041N             | 2556-19215                              | 2-20031/0026     | 00000/0000          | 07/31/76        | 90           | 7754         | 25.9                  | 214.5               | GGG                  | 19                    | 25                   |
| 07644W                      | 0127N             | 2375-14355                              | 00000/0000       | 2-20020/0767        | 02/01/76        | 30           | 5227         | 45.4                  | 116.6               | GGG                  | 46                    | 248                  |
| 07645W                      | 5546N             | 2405-15281                              | 2-20027/0557     | 00000/0000          | 03/02/76        | 0            | 5646         | 23.2                  | 149.9               | GGGG                 | 9                     | 59                   |
| 07645W                      | 2437N             | 2451-14500                              | 00000/0000       | 2-20024/0062        | 04/17/76        | 30           | 6287         | 54.8                  | 107.3               | GGG                  | 21                    | 21                   |
|                             |                   |                                         |                  |                     |                 |              |              |                       |                     | H                    | 13                    | 43                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07645W                                  | 2437N             | 2469-14493                   | 00000/0000                  | 2-20024/1556     | 05/05/76            | 30              | 6538         | 57.7         | 98.2                               |                     |                      |                       |                      |
| 07646W                                  | 5014N             | 2421-15175                   | 00000/0000                  | 2-20022/0213     | 03/18/76            | 10              | 5869         | 33.2         | 144.3                              | GGGG                |                      | H                     | 13                   |
| 07647W                                  | 5019N             | 2583-15132                   | 00000/0000                  | 2-20032/0306     | 08/27/76            | 30              | 8128         | 43.1         | 139.6                              | GGGF                |                      |                       | 43                   |
| 07647W                                  | 5018N             | 2565-15135                   | 00000/0000                  | 2-20030/1005     | 08/09/76            | 40              | 7877         | 48.0         | 134.8                              | FGGG                |                      |                       | 25                   |
| 07647W                                  | 5018N             | 2709-15085                   | 00000/0000                  | 2-20038/0464     | 12/31/76            | 70              | 9885         | 11.9         | 151.7                              | GGGG                |                      |                       | 25                   |
| 07648W                                  | 5015N             | 2691-15093                   | 00000/0000                  | 2-20037/0721     | 12/13/76            | 10              | 9634         | 12.5         | 153.8                              | GGGG                |                      |                       | 25                   |
| 07648W                                  | 5009N             | 2493-15155                   | 00000/0000                  | 2-20026/0917     | 05/29/76            | 10              | 6873         | 54.5         | 133.3                              | GGGG                |                      |                       | 25                   |
| 07648W                                  | 2433N             | 2433-14503                   | 00000/0000                  | 2-20022/0733     | 03/30/76            | 20              | 6036         | 50.4         | 115.7                              | GGFG                |                      |                       | 25                   |
| 07648W                                  | 2430N             | 2487-14490                   | 00000/0000                  | 2-20025/1049     | 05/23/76            | 70              | 6789         | 58.8         | 90.2                               | GGGG                |                      | H                     | 13                   |
| 07649W                                  | 0544S             | 2464-14294                   | 00000/0000                  | 2-20024/1215     | 04/30/76            | 90              | 6468         | 46.5         | 61.2                               | GGGG                |                      | H                     | 13                   |
| 07650W                                  | 5009N             | 2547-15142                   | 00000/0000                  | 2-20024/1767     | 07/22/76            | 10              | 7626         | 51.9         | 131.1                              | GGGF                |                      |                       | 43                   |
| 07650W                                  | 5005N             | 2529-15145                   | 00000/0000                  | 2-20028/0565     | 07/04/76            | 10              | 7375         | 54.5         | 129.5                              | GGGG                |                      |                       | 64                   |
| 07650W                                  | 2436N             | 2703-14421                   | 00000/0000                  | 2-20037/1334     | 12/25/76            | 80              | 9801         | 30.5         | 140.9                              | GGGG                |                      |                       | 25                   |
| 07650W                                  | 2436N             | 2721-14412                   | 00000/0000                  | 2-20038/1297     | 01/12/77            | 40              | 52           | 30.5         | 137.7                              | FGGG                |                      | H                     | 13                   |
| 07651W                                  | 5011N             | 2619-15122                   | 00000/0000                  | 2-20034/0244     | 10/02/76            | 10              | 8630         | 31.6         | 149.1                              | GGFG                |                      | H                     | 13                   |
| 07652W                                  | 5004N             | 2511-15152                   | 00000/0000                  | 2-20025/1724     | 06/16/76            | 80              | 7124         | 55.5         | 130.3                              | GGGG                |                      |                       | 43                   |
| 07652W                                  | 2431N             | 2415-14511                   | 00000/0000                  | 2-20021/1551     | 03/12/76            | 30              | 5785         | 45.1         | 122.8                              | GGGG                |                      |                       | 25                   |
| 07653W                                  | 5009N             | 2673-15102                   | 00000/0000                  | 2-20036/1343     | 11/25/76            | 20              | 9383         | 15.4         | 154.9                              | FGGG                |                      | H                     | 13                   |
| 07653W                                  | 5006N             | 2403-15183                   | 00000/0000                  | 2-20021/0925     | 02/29/76            | 100             | 5618         | 26.4         | 146.1                              | GGGG                |                      |                       | 43                   |
| 07653W                                  | 5003N             | 2367-15192                   | 00000/0000                  | 2-20020/0327     | 01/24/76            | 10              | 5116         | 15.7         | 150.7                              | GGFG                |                      |                       | 25                   |
| 07653W                                  | 1134S             | 2391-14275                   | 00000/0000                  | 2-20021/0232     | 02/17/76            | 30              | 5450         | 47.6         | 95.4                               | FGGG                |                      |                       | 25                   |
| 07654W                                  | 5001N             | 2385-15185                   | 00000/0000                  | 2-20020/1438     | 02/11/76            | 30              | 5367         | 20.4         | 148.2                              | GGGG                |                      |                       | 7                    |
| 07655W                                  | 7740N             | 2555-17343                   | 2-20031/0018                | 00000/0000       | 07/30/76            | 10              | 7739         | 30.6         | 186.0                              | GGGG                |                      |                       | 25                   |
| 07655W                                  | 5250N             | 2404-15232                   | 00000/0000                  | 2-20021/0986     | 03/01/76            | 0               | 5632         | 24.9         | 147.9                              | GGG                 | GGGG                 |                       | 4                    |
| 07656W                                  | 8007N             | 2550-15480                   | 2-20030/1892                | 00000/0000       | 07/25/76            | 0               | 7670         | 28.5         | 205.6                              | GGG                 | GGGG                 |                       | 23                   |
| 07658W                                  | 5256N             | 2656-15155                   | 00000/0000                  | 2-20036/0097     | 11/08/76            | 90              | 9146         | 17.4         | 156.1                              | GG                  |                      |                       | 1                    |
| 07659W                                  | 4955N             | 2601-15130                   | 00000/0000                  | 2-20032/1255     | 09/14/76            | 100             | 8379         | 37.8         | 144.3                              | GGGG                |                      |                       | 23                   |
| 07702W                                  | 8044N             | 2593-15263                   | 2-20033/0131                | 00000/0000       | 09/06/76            | 50              | 8270         | 13.8         | 216.0                              | GGG                 | GGGG                 |                       | 25                   |
| 07703W                                  | 7936N             | 2582-18243                   | 2-20033/0073                | 00000/0000       | 08/26/76            | 20              | 8116         | 20.0         | 200.1                              | GGG                 |                      |                       | 247                  |
| 07703W                                  | 0000N             | 2375-14362                   | 00000/0000                  | 2-20020/0768     | 02/01/76            | 50              | 5227         | 45.8         | 115.2                              | GGG                 | GGGG                 |                       | 2                    |
| 07707W                                  | 8013N             | 2557-18524                   | 2-20033/0168                | 00000/0000       | 08/31/76            | 10              | 8186         | 17.2         | 207.1                              | GGG                 | GGGG                 |                       | 60                   |
| 07707W                                  | 7924N             | 2545-18200                   | 2-20029/0273                | 00000/0000       | 07/20/76            | 0               | 7600         | 30.7         | 198.1                              | GGG                 |                      |                       | 1                    |
| 07707W                                  | 7839N             | 2559-17570                   | 2-20031/0045                | 00000/0000       | 08/03/76            | 0               | 7795         | 28.5         | 191.9                              | GGG                 |                      |                       | 2                    |
| 07707W                                  | 2311N             | 2451-14502                   | 00000/0000                  | 2-20024/0063     | 04/17/76            | 30              | 6287         | 54.9         | 105.1                              | GGG                 | FGGG                 |                       | 3                    |
| 07708W                                  | 8012N             | 2605-16521                   | 2-20033/0204                | 00000/0000       | 09/18/76            | 10              | 8437         | 10.3         | 208.0                              | GGG                 |                      | H                     | 44                   |
|                                         |                   |                              |                             |                  |                     |                 |              |              |                                    |                     |                      |                       | 1                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SRIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|----------------|--------------|--------------|------------------------------------|---------------------|----------------------|----------------------|----------------------|
| 07708W 2310N                            | 2469-14495        | 00000/0000                   | 2-20024/1557                | 05/05/76         | 30                  | 6538           | 57.6         | 95.8         | GGGG                               |                     |                      | 13                   | 44                   |
| 07709W 0710S                            | 2464-14301        | 00000/0000                   | 2-20024/1216                | 04/30/76         | 80                  | 6468           | 45.6         | 60.0         | GGGF                               |                     |                      | 8                    | 65                   |
| 07710W 2309N                            | 2433-14510        | 00000/0000                   | 2-20027/0784                | 03/30/76         | 20                  | 6036           | 50.7         | 113.8        | GGGG                               |                     |                      | 13                   | 44                   |
| 07710W 2303N                            | 2487-14493        | 00000/0000                   | 2-20025/1050                | 05/23/76         | 60                  | 6789           | 58.5         | 87.7         | FGGG                               |                     |                      | 13                   | 44                   |
| 07712W 0711S                            | 2518-14285        | 00000/0000                   | 2-20027/0361                | 06/23/76         | 30                  | 7221           | 40.0         | 51.1         | FFFF                               |                     |                      | 8                    | 65                   |
| 07713W 7933N                            | 2438-18283        | 00000/0000                   | 2-20027/1322                | 04/04/76         | 10                  | 6108           | 15.8         | 200.3        | GGGG                               |                     |                      | 53                   | 2                    |
| 07714W 2305N                            | 2415-14513        | 00000/0000                   | 2-20021/1552                | 03/12/76         | 30                  | 5785           | 45.7         | 121.4        | GGGG                               |                     |                      | 13                   | 44                   |
| 07715W 7932N                            | 2600-18241        | 2-20033/0264                 | 00000/0000                  | 09/13/76         | 10                  | 8367           | 13.4         | 200.5        | GGG                                |                     |                      | 53                   | 2                    |
| 07721W 5711N                            | 2406-15333        | 2-20027/0624                 | 00000/0000                  | 03/03/76         | 10                  | 5660           | 22.6         | 150.9        | GGG                                |                     |                      | 22                   | 20                   |
| 07723W 5705N                            | 2514-15303        | 00000/0000                   | 2-20026/1867                | 06/19/76         | 70                  | 7166           | 51.8         | 141.2        | GGGG                               |                     |                      | 22                   | 20                   |
| 07723W 0125S                            | 2375-14364        | 00000/0000                   | 2-20020/0789                | 02/01/76         | 70                  | 5227           | 46.2         | 113.7        | FGGG                               |                     |                      | 9                    | 61                   |
| 07724W 8005N                            | 2532-18483        | 2-20029/0261                 | 00000/0000                  | 07/07/76         | 30                  | 7419           | 31.6         | 205.9        | GGG                                |                     |                      | 58                   | 1                    |
| 07724W 7734N                            | 2537-17351        | 2-20029/0299                 | 00000/0000                  | 07/12/76         | 100                 | 7488           | 34.3         | 185.9        | FFF                                |                     |                      | 45                   | 4                    |
| 07724W 2726N                            | 2470-14542        | 00000/0000                   | 2-20024/1304                | 05/06/76         | 50                  | 6552           | 57.8         | 102.5        | GGGG                               |                     |                      | 14                   | 41                   |
| 07725W 2728N                            | 2560-14520        | 00000/0000                   | 2-20030/0725                | 08/04/76         | 30                  | 7807           | 55.3         | 99.7         | GGGG                               |                     |                      | 14                   | 41                   |
| 07728W 7923N                            | 2527-18203        | 2-20033/0086                 | 00000/0000                  | 07/02/76         | 80                  | 7349           | 33.2         | 198.6        | GG                                 |                     |                      | 53                   | 2                    |
| 07728W 2722N                            | 2542-14523        | 00000/0000                   | 2-20028/1730                | 07/17/76         | 30                  | 7556           | 56.9         | 92.9         | GGGG                               |                     |                      | 14                   | 41                   |
| 07729W 2719N                            | 2524-14530        | 00000/0000                   | 2-20028/0336                | 06/29/76         | 40                  | 7305           | 58.1         | 89.5         | GGGG                               |                     |                      | 14                   | 41                   |
| 07729W 0837S                            | 2464-14303        | 00000/0000                   | 2-20024/1217                | 04/30/76         | 50                  | 6468           | 44.6         | 58.9         | GFGG                               |                     |                      | 8                    | 66                   |
| 07730W 5426N                            | 2477-15263        | 2-20027/0613                 | 00000/0000                  | 05/13/76         | 90                  | 6650           | 49.4         | 142.3        | GGG                                |                     |                      | 21                   | 22                   |
| 07730W 2722N                            | 2488-14540        | 00000/0000                   | 2-20025/1224                | 05/24/76         | 50                  | 6803           | 59.2         | 94.9         | GGGG                               |                     |                      | 14                   | 41                   |
| 07730W 2144N                            | 2469-14502        | 00000/0000                   | 2-20024/1558                | 05/05/76         | 40                  | 6538           | 57.5         | 93.4         | GGGG                               |                     |                      | 13                   | 45                   |
| 07731W 7735N                            | 2519-17354        | 2-20029/0210                 | 00000/0000                  | 06/24/76         | 10                  | 7237           | 35.8         | 186.9        | PPF                                |                     |                      | 45                   | 4                    |
| 07731W 5423N                            | 2405-15283        | 2-20027/0558                 | 00000/0000                  | 03/02/76         | 0                   | 5846           | 24.2         | 148.9        | GGG                                |                     |                      | 21                   | 22                   |
| 07732W 8012N                            | 2569-18531        | 2-20032/1892                 | 00000/0000                  | 08/13/76         | 60                  | 7935           | 23.3         | 206.5        | GGG                                |                     |                      | 59                   | 1                    |
| 07733W 0837S                            | 2518-14291        | 00000/0000                   | 2-20027/0362                | 06/23/76         | 10                  | 7221           | 38.9         | 50.3         | PPPP                               |                     |                      | 8                    | 66                   |
| 07735W 6248N                            | 2589-15435        | 2-20033/0232                 | 00000/0000                  | 09/02/76         | 60                  | 8212           | 32.8         | 154.6        | GGG                                |                     |                      | 25                   | 16                   |
| 07735W 5135N                            | 2422-15231        | 00000/0000                   | 2-20027/0227                | 03/19/76         | 90                  | 5883           | 32.7         | 145.3        | GGGG                               |                     |                      | 20                   | 24                   |
| 07736W 5132N                            | 2530-15201        | 00000/0000                   | 2-20028/0782                | 07/05/76         | 10                  | 7389           | 53.7         | 131.8        | GGGG                               |                     |                      | 20                   | 24                   |
| 07736W 2138N                            | 2415-14520        | 00000/0000                   | 2-20027/0072                | 03/12/76         | 40                  | 5785           | 46.2         | 119.9        | GGGG                               |                     |                      | 13                   | 45                   |
| 07738W 5126N                            | 2404-15234        | 00000/0000                   | 2-20021/0987                | 03/01/76         | 0                   | 5632           | 25.9         | 146.9        | GGG                                |                     |                      | 20                   | 24                   |
| 07738W 2710N                            | 2380-14570        | 00000/0000                   | 2-20020/1157                | 02/06/76         | 20                  | 5297           | 34.2         | 135.8        | F                                  |                     |                      | 14                   | 41                   |
| 07739W 8038N                            | 2520-19225        | 2-20029/0219                 | 00000/0000                  | 06/25/76         | 50                  | 7252           | 31.2         | 215.2        | FPP                                |                     |                      | 46                   | 248                  |
| 07740W 5132N                            | 2656-15162        | 00000/0000                   | 2-20036/0098                | 11/08/76         | 70                  | 9146           | 18.5         | 155.3        | GGGG                               |                     |                      | 20                   | 24                   |
| 07743W 7846N                            | 2578-18021        | 2-20033/0040                 | 00000/0000                  | 08/22/76         | 20                  | 8060           | 22.5         | 193.2        | GGG                                |                     |                      | 49                   | 3                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07744W                                  | 8042N             | 2575-19270                                         | 2-20031/0077     | 00000/0000          | 08/19/76        | 70           | 8019         | 20.3                               | 215.1               | GGG                  |                       |                      |
| 07748W                                  | 7748N             | 2574-17394                                         | 2-20031/0070     | 00000/0000          | 08/18/76        | 50           | 8004         | 25.0                               | 187.1               | GGG                  |                       |                      |
| 07748W                                  | 2602N             | 2560-14522                                         | 00000/0000       | 2-20030/0726        | 08/04/76        | 30           | 7807         | 55.3                               | 97.5                |                      |                       | 52                   |
| 07748W                                  | 2559N             | 2470-14545                                         | 00000/0000       | 2-20024/1305        | 05/06/76        | 40           | 6552         | 57.8                               | 100.1               | GGFG                 |                       | 46                   |
| 07749W                                  | 1004S             | 2464-14310                                         | 00000/0000       | 2-20024/1218        | 04/30/76        | 50           | 6468         | 43.7                               | 57.9                | GGGG                 |                       | 14                   |
| 07750W                                  | 2603N             | 2434-14555                                         | 00000/0000       | 2-20022/1035        | 03/31/76        | 10           | 6050         | 50.2                               | 117.1               | GGFG                 |                       | 42                   |
| 07751W                                  | 7928N             | 2492-18270                                         | 00000/0000       | 2-20026/0391        | 05/28/76        | 10           | 6861         | 31.5                               | 201.8               | GGG                  | H                     | 14                   |
| 07751W                                  | 7746N             | 2610-17384                                         | 2-20034/1215     | 00000/0000          | 09/23/76        | 90           | 8506         | 11.8                               | 189.1               | GGGG                 | H                     | 42                   |
| 07751W                                  | 2604N             | 2578-14515                                         | 00000/0000       | 2-20030/1517        | 08/22/76        | 60           | 8058         | 53.6                               | 106.6               | GGG                  |                       | 54                   |
| 07751W                                  | 2556N             | 2542-14530                                         | 00000/0000       | 2-20028/1731        | 07/17/76        | 40           | 7556         | 56.6                               | 90.6                | GGGG                 |                       | 4                    |
| 07752W                                  | 2554N             | 2524-14533                                         | 00000/0000       | 2-20028/0337        | 06/29/76        | 40           | 7305         | 57.8                               | 87.1                | GGGG                 |                       | 14                   |
| 07752W                                  | 2018N             | 2469-14504                                         | 00000/0000       | 2-20024/1561        | 05/05/76        | 100          | 6538         | 57.3                               | 91.1                | GG                   | H                     | 42                   |
| 07752W                                  | 1004S             | 2518-14294                                         | 00000/0000       | 2-20027/0363        | 06/23/76        | 50           | 7221         | 37.8                               | 49.6                | GGGG                 |                       | 13                   |
| 07753W                                  | 2601N             | 2704-14472                                         | 00000/0000       | 2-20037/1338        | 12/26/76        | 80           | 9815         | 29.5                               | 141.5               | GGGG                 |                       | 8                    |
| 07753W                                  | 2558N             | 2416-14563                                         | 00000/0000       | 2-20021/1556        | 03/13/76        | 10           | 5799         | 44.8                               | 124.0               | GGGF                 |                       | 67                   |
| 07754W                                  | 7831N             | 2541-17573                                         | 2-20030/1866     | 00000/0000          | 07/16/76        | 20           | 7544         | 32.6                               | 151.4               | GGGG                 |                       | 14                   |
| 07754W                                  | 2602N             | 2722-14464                                         | 00000/0000       | 2-20034/1351        | 01/13/77        | 30           | 66           | 29.7                               | 138.3               | GGG                  | H                     | 42                   |
| 07754W                                  | 2601N             | 2595-14512                                         | 00000/0000       | 2-20031/0859        | 09/09/76        | 20           | 8309         | 51.1                               | 116.6               | GG                   | H                     | 49                   |
| 07754W                                  | 2555N             | 2488-14542                                         | 00000/0000       | 2-20025/1225        | 05/24/76        | 80           | 6803         | 59.0                               | 92.3                | GGGG                 |                       | 14                   |
| 07755W                                  | 7844N             | 2596-18014                                         | 2-20033/0260     | 00000/0000          | 09/09/76        | 40           | 8311         | 16.1                               | 193.9               | GGGG                 | H                     | 42                   |
| 07755W                                  | 2557N             | 2668-14485                                         | 00000/0000       | 2-20036/1084        | 11/20/76        | 40           | 9313         | 34.6                               | 142.6               | GGG                  |                       | 49                   |
| 07756W                                  | 2558N             | 2696-14481                                         | 00000/0000       | 2-20037/0467        | 12/08/76        | 70           | 9564         | 31.3                               | 143.1               | GGGG                 |                       | 14                   |
| 07757W                                  | 2556N             | 2614-14505                                         | 00000/0000       | 2-20034/0131        | 09/27/76        | 10           | 8560         | 47.8                               | 126.1               | GGGG                 |                       | 42                   |
| 07757W                                  | 2555W             | 2650-14494                                         | 00000/0000       | 2-20031/0322        | 11/02/76        | 40           | 9062         | 39.0                               | 139.6               | GGGG                 |                       | 14                   |
| 07800W                                  | 7927N             | 2561-14251                                         | 2-20033/0005     | 00000/0000          | 08/08/76        | 80           | 7865         | 26.0                               | 198.4               | GGGG                 |                       | 54                   |
| 07801W                                  | 2544N             | 2380-14573                                         | 00000/0000       | 2-20020/1158        | 02/06/76        | 20           | 5297         | 35.0                               | 134.9               | FGG                  |                       | 14                   |
| 07802W                                  | 0417S             | 0393-14371                                         | 00000/0000       | 2-20021/0245        | 02/19/76        | 90           | 5478         | 47.7                               | 102.3               | FFFG                 |                       | 9                    |
| 07803W                                  | 0128N             | 2430-14401                                         | 00000/0000       | 2-20022/0763        | 03/27/76        | 80           | 5994         | 50.7                               | 87.4                | FFGG                 |                       | 63                   |
| 07803W                                  | 0417S             | 2375-14373                                         | 00000/0000       | 2-20021/0770        | 02/01/76        | 90           | 5227         | 46.9                               | 110.7               | GG                   |                       | 10                   |
| 07808W                                  | 5017N             | 2476-15220                                         | 00000/0000       | 2-20026/0335        | 05/12/76        | 100          | 6636         | 51.6                               | 136.8               | GGGG                 |                       | 9                    |
| 07810W                                  | 5305N             | 2459-15272                                         | 00000/0000       | 2-20024/0284        | 04/25/76        | 100          | 6399         | 45.3                               | 143.2               | GGGG                 |                       | 20                   |
| 07811W                                  | 5548N             | 2406-14335                                         | 2-20027/0625     | 00000/0000          | 03/03/76        | 20           | 5660         | 23.6                               | 149.9               | GGGG                 |                       | 21                   |
| 07811W                                  | 2433N             | 2470-14551                                         | 00000/0000       | 2-20025/1306        | 05/06/76        | 40           | 6552         | 57.8                               | 97.6                | GGG                  |                       | 22                   |
| 07812W                                  | 7823N             | 2523-17580                                         | 2-20029/0238     | 00000/0000          | 06/28/76        | 40           | 7293         | 34.6                               | 192.1               | GGG                  | H                     | 14                   |
| 07812W                                  | 2436N             | 2560-14525                                         | 00000/0000       | 2-20023/0727        | 08/04/76        | 40           | 7807         | 55.2                               | 95.3                | GGG                  |                       | 50                   |
|                                         |                   |                                                    |                  |                     |                 |              |              |                                    |                     | GGGG                 |                       | 14                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANK, S=SA, N=NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLA)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLA)=LOW GAIN, H=HIGH GAIN

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07813W 5017N                            | 2692-15151        | 00000/0000 2-20037/0731                            | 12/14/76         | 100                 | 9648            | 12.4         | 153.7        |                                    |                     |                      |                       |                      |
| 07814W 5542N                            | 2514-15305        | 00000/0000 2-20026/1868                            | 06/19/76         | 90                  | 7166            | 52.6         | 139.0        | GGGG                               |                     |                      | 20                    | 25                   |
| 07814W 5010N                            | 2548-15201        | 00000/0000 2-20030/0067                            | 07/23/76         | 60                  | 7640            | 51.7         | 131.2        | GGGG                               |                     |                      | 22                    | 21                   |
| 07814W 2437N                            | 2434-14562        | 00000/0000 2-20022/1036                            | 03/31/76         | 20                  | 6050            | 50.6         | 115.3        | GGGG                               |                     |                      | 20                    | 25                   |
| 07814W 2437N                            | 2578-14522        | 00000/0000 2-20030/1518                            | 08/22/76         | 40                  | 8058            | 53.7         | 104.5        | GGG                                |                     | H                    | 14                    | 43                   |
| 07814W 2430N                            | 2542-14532        | 00000/0000 2-20028/1732                            | 07/17/76         | 40                  | 7556            | 56.4         | 88.3         | GGGG                               |                     |                      | 14                    | 43                   |
| 07814W 1851N                            | 2469-14511        | 00000/0000 2-20024/1559                            | 05/05/76         | 10                  | 6538            | 57.0         | 88.8         | GGGG                               |                     |                      | 14                    | 43                   |
| 07815W 5301N                            | 2477-15265        | 2-20027/0614 00000/0000                            | 05/13/76         | 100                 | 6650            | 50.2         | 140.4        | GGG                                |                     |                      | 13                    | 47                   |
| 07815W 5011N                            | 2422-15233        | 00000/0000 2-20022/0228                            | 03/19/76         | 100                 | 5883            | 33.7         | 144.2        | GGGG                               |                     |                      | 21                    | 23                   |
| 07815W 2429N                            | 2524-14535        | 00000/0000 2-20028/0338                            | 06/29/76         | 30                  | 7305            | 57.5         | 84.7         | GGGG                               |                     |                      | 20                    | 25                   |
| 07816W 5259N                            | 2405-15290        | 2-20027/0559 00000/0000                            | 03/02/76         | 0                   | 5646            | 25.2         | 147.9        | GGG                                |                     | H                    | 14                    | 43                   |
| 07816W 5015N                            | 2602-15183        | 00000/0000 2-20032/1283                            | 09/15/76         | 70                  | 8393            | 37.3         | 144.9        | GGGG                               |                     |                      | 21                    | 23                   |
| 07816W 5007N                            | 2530-15204        | 00000/0000 2-20028/0783                            | 07/05/76         | 10                  | 7389            | 54.4         | 129.5        | GGGG                               |                     |                      | 20                    | 25                   |
| 07816W 2436N                            | 2722-14471        | 00000/0000 2-20038/1350                            | 01/13/77         | 30                  | 66              | 30.6         | 137.5        | GGGG                               |                     |                      | 20                    | 25                   |
| 07816W 2435N                            | 2596-14515        | 00000/0000 2-20032/0860                            | 09/09/76         | 10                  | 8309            | 51.5         | 114.7        | GGGG                               |                     | H                    | 14                    | 43                   |
| 07816W 2429N                            | 2488-14545        | 00000/0000 2-20025/1226                            | 05/24/76         | 70                  | 6803            | 58.8         | 89.8         | GGGG                               |                     |                      | 14                    | 43                   |
| 07817W 8044N                            | 2594-19322        | 2-20033/0156 00000/0000                            | 09/07/76         | 90                  | 8284            | 13.4         | 216.3        | GGG                                |                     | H                    | 14                    | 43                   |
| 07817W 8008N                            | 2551-18535        | 2-20030/1899 00000/0000                            | 07/26/76         | 10                  | 7604            | 28.3         | 205.8        | GGG                                |                     |                      | 53                    | 247                  |
| 07817W 2435N                            | 2704-14475        | 00000/0000 2-20037/1339                            | 12/26/76         | 60                  | 9845            | 30.4         | 140.7        | GGGG                               |                     |                      | 59                    | 1                    |
| 07819W 5006N                            | 2638-15172        | 00000/0000 2-20034/0993                            | 10/21/76         | 90                  | 8895            | 25.2         | 152.7        | GGGG                               |                     |                      | 14                    | 43                   |
| 07819W 5002N                            | 2404-15241        | 00000/0000 2-20021/0588                            | 03/01/76         | 0                   | 5632            | 26.9         | 145.9        | GFF                                |                     |                      | 20                    | 25                   |
| 07819W 2432N                            | 2686-14483        | 00000/0000 2-20037/0468                            | 12/08/76         | 60                  | 9564            | 32.2         | 142.3        | GGGG                               |                     |                      | 20                    | 25                   |
| 07820W 5004N                            | 2386-15244        | 00000/0000 2-20020/1310                            | 02/12/76         | 40                  | 5381            | 20.7         | 148.1        | GGFG                               |                     |                      | 14                    | 43                   |
| 07820W 2430N                            | 2614-14512        | 00000/0000 2-20034/0132                            | 09/27/76         | 10                  | 8560            | 48.4         | 124.5        | GGGG                               |                     |                      | 20                    | 25                   |
| 07820W 2429N                            | 2650-14500        | 00000/0000 2-20035/0323                            | 11/02/76         | 20                  | 9062            | 39.9         | 138.6        | GGGG                               |                     |                      | 14                    | 43                   |
| 07821W 5007N                            | 2656-15164        | 00000/0000 2-20036/0099                            | 11/08/76         | 70                  | 9146            | 19.6         | 154.5        | GGGG                               |                     |                      | 14                    | 43                   |
| 07823W 0544S                            | 2375-14380        | 00000/0000 2-20020/0771                            | 02/01/76         | 90                  | 5227            | 47.2         | 109.2        | GGGG                               |                     |                      | 20                    | 25                   |
| 07824W 2418N                            | 2380-14575        | 00000/0000 2-20020/1159                            | 02/06/76         | 20                  | 5297            | 35.8         | 133.9        | GGGG                               |                     |                      | 9                     | 64                   |
| 07826W 8014N                            | 2588-18583        | 2-20033/0174 00000/0000                            | 09/01/76         | 60                  | 8200            | 16.8         | 207.4        | FFFFG                              |                     |                      | 14                    | 43                   |
| 07831W 7738N                            | 2538-17405        | 2-20029/0286 00000/0000                            | 07/13/76         | 100                 | 7502            | 34.1         | 186.2        | G                                  |                     |                      | 59                    | 1                    |
| 07834W 2306N                            | 2470-14554        | 00000/0000 2-20024/1307                            | 05/06/76         | 50                  | 6552            | 57.7         | 95.2         | GG                                 |                     |                      | 46                    | 4                    |
| 07836W 7923N                            | 2528-18261        | 2-20033/0091 00000/0000                            | 07/03/76         | 90                  | 7363            | 33.1         | 198.7        | GGGG                               |                     | H                    | 14                    | 44                   |
| 07837W 8039N                            | 2557-19274        | 2-20031/0033 00000/0000                            | 08/01/76         | 90                  | 7768            | 25.7         | 214.0        | GGG                                |                     |                      | 54                    | 2                    |
| 07837W 2310N                            | 2434-14564        | 00000/0000 2-20022/1037                            | 03/31/76         | 20                  | 6050            | 51.0         | 113.4        | GGGG                               |                     |                      | 47                    | 248                  |
| 07838W 8012N                            | 2570-18585        | 2-20032/1178 00000/0000                            | 08/14/76         | 30                  | 7949            | 23.0         | 206.7        | GGG                                |                     | H                    | 14                    | 44                   |
|                                         |                   |                                                    |                  |                     |                 |              |              |                                    |                     |                      | 59                    | 1                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 07838W                                  | 7926N             | 2546-18254                                     | 2-20029/0277     | 00000/0000          | 07/21/76        | 10           | 7614         | 30.5                               | 198.2               | GG                   |                       | 2                    |
| 07838W                                  | 2303N             | 2488-14551                                     | 00000/0000       | 2-20025/1227        | 05/24/76        | 60           | 6803         | 58.5                               | 87.4                | GGGG                 | H                     | 44                   |
| 07841W                                  | 2306N             | 2686-14490                                     | 00000/0000       | 2-20037/0469        | 12/08/76        | 30           | 9564         | 33.2                               | 141.5               | GGGG                 |                       | 44                   |
| 07843W                                  | 7738N             | 2556-17402                                     | 2-20031/0025     | 00000/0000          | 07/31/76        | 40           | 7753         | 30.5                               | 185.7               | GGG                  |                       | 4                    |
| 07845W                                  | 6125N             | 2589-15442                                     | 2-20033/0233     | 00000/0000          | 09/02/76        | 50           | 8212         | 33.8                               | 153.0               | GGG                  |                       | 17                   |
| 07846W                                  | 7934N             | 2583-18302                                     | 2-20033/0049     | 00000/0000          | 08/27/76        | 0            | 8130         | 19.7                               | 199.7               | GGG                  |                       | 2                    |
| 07850W                                  | 7834N             | 2614-18011                                     | 2-20034/1230     | 00000/0000          | 09/27/76        | 40           | 8562         | 9.2                                | 194.0               | GG                   |                       | 3                    |
| 07851W                                  | 8044N             | 2576-19325                                     | 2-20033/0028     | 00000/0000          | 08/20/76        | 90           | 8033         | 19.9                               | 215.3               | FGG                  |                       | 247                  |
| 07853W                                  | 5145N             | 2459-15274                                     | 00000/0000       | 2-20024/0285        | 04/25/76        | 90           | 6399         | 46.2                               | 141.5               | GGGG                 |                       | 24                   |
| 07856W                                  | 5140N             | 2477-15272                                     | 2-20025/1264     | 2-20025/0320        | 05/13/76        | 90           | 6680         | 51.0                               | 138.5               | GGG GGG              |                       | 24                   |
| 07856W                                  | 2139N             | 2470-14560                                     | 00000/0000       | 2-20024/1308        | 05/06/76        | 50           | 6552         | 57.5                               | 92.3                | GGGG                 | H                     | 45                   |
| 07857W                                  | 7731N             | 2520-17412                                     | 2-20029/0217     | 00000/0000          | 06/25/76        | 0            | 7251         | 35.8                               | 186.7               | PPP                  |                       | 4                    |
| 07857W                                  | 5144N             | 2585-15242                                     | 00000/0000       | 2-20032/0036        | 08/29/76        | 100          | 8156         | 41.7                               | 141.7               | GGGG                 |                       | 24                   |
| 07858W                                  | 5424N             | 2406-15342                                     | 2-20027/0026     | 00000/0000          | 03/03/76        | 60           | 5660         | 24.6                               | 148.8               | GGG                  |                       | 22                   |
| 07859W                                  | 7847N             | 2579-18075                                     | 2-20033/0046     | 00000/0000          | 08/23/76        | 90           | 8074         | 22.2                               | 193.4               | GGG                  |                       | 3                    |
| 07859W                                  | 5135N             | 2405-15292                                     | 2-20027/0560     | 00000/0000          | 03/02/76        | 0            | 5646         | 26.2                               | 146.9               | GGG                  |                       | 24                   |
| 07859W                                  | 2143N             | 2434-14571                                     | 00000/0000       | 2-20022/1070        | 03/31/76        | 70           | 6050         | 51.3                               | 111.5               | GGGG                 | H                     | 45                   |
| 07900W                                  | 7835N             | 2560-18024                                     | 2-20031/0052     | 00000/0000          | 08/04/76        | 30           | 7809         | 28.3                               | 191.4               | GGG                  |                       | 3                    |
| 07900W                                  | 5133N             | 2549-15252                                     | 00000/0000       | 2-20030/0079        | 07/24/76        | 50           | 7654         | 50.8                               | 133.4               | GGGG                 |                       | 24                   |
| 07901W                                  | 5418N             | 2514-15312                                     | 00000/0000       | 2-20026/1869        | 06/19/76        | 100          | 7166         | 53.4                               | 136.8               | GGGG                 |                       | 22                   |
| 07904W                                  | 5133N             | 2621-15232                                     | 00000/0000       | 2-20034/0329        | 10/04/76        | 30           | 8658         | 29.9                               | 150.6               | GGGF                 |                       | 24                   |
| 07906W                                  | 5128N             | 2513-15262                                     | 00000/0000       | 2-20026/1814        | 06/18/76        | 90           | 7152         | 54.8                               | 132.4               | FGG                  |                       | 24                   |
| 07909W                                  | 8009N             | 2606-18540                                     | 2-20033/0209     | 00000/0000          | 09/19/76        | 80           | 8451         | 10.0                               | 207.5               | GGG                  |                       | 1                    |
| 07911W                                  | 7929N             | 2601-18295                                     | 2-20033/0188     | 00000/0000          | 09/14/76        | 0            | 8381         | 13.1                               | 200.1               | GGG                  |                       | 2                    |
| 07913W                                  | 7844N             | 2597-18072                                     | 2-20033/0243     | 00000/0000          | 09/10/76        | 50           | 8325         | 15.7                               | 194.1               | GGG                  |                       | 3                    |
| 07914W                                  | 8038N             | 2539-19281                                     | 2-20029/0294     | 00000/0000          | 07/14/76        | 80           | 7517         | 29.5                               | 214.1               | GGG                  |                       | 248                  |
| 07918W                                  | 7744N             | 2611-17443                                     | 2-20034/1220     | 00000/0000          | 09/24/76        | 60           | 8520         | 11.4                               | 189.1               | GGF                  |                       | 4                    |
| 07918W                                  | 2012N             | 2473-14563                                     | 00000/0000       | 2-20024/1310        | 05/06/76        | 30           | 6552         | 57.3                               | 90.4                | GG                   | H                     | 46                   |
| 07928W                                  | 8009N             | 2552-18593                                     | 2-20031/0002     | 00000/0000          | 07/27/76        | 20           | 7638         | 28.0                               | 206.0               | GGG                  |                       | 1                    |
| 07928W                                  | 7830N             | 2542-18032                                     | 2-20030/1873     | 00000/0000          | 07/17/76        | 10           | 7553         | 32.4                               | 191.2               | GGF                  |                       | 3                    |
| 07928W                                  | 0130N             | 2431-14455                                     | 00000/0000       | 2-20022/0888        | 03/28/76        | 80           | 6008         | 50.8                               | 86.8                | GGGG                 |                       | 59                   |
| 07933W                                  | 5020N             | 2459-15281                                     | 00000/0000       | 2-20024/0286        | 04/25/76        | 100          | 6399         | 47.0                               | 139.8               | GGGG                 |                       | 25                   |
| 07936W                                  | 5015N             | 2477-15274                                     | 2-20025/1265     | 2-20025/0321        | 05/13/76        | 10           | 6650         | 51.8                               | 136.5               | GGG                  |                       | 25                   |
| 07937W                                  | 5020N             | 2585-15244                                     | 00000/0000       | 2-20032/0037        | 08/29/76        | 90           | 8156         | 42.5                               | 140.2               | GGGG                 |                       | 25                   |
| 07938W                                  | 7927N             | 2565-18305                                     | 2-20033/0135     | 00000/0000          | 08/09/76        | 100          | 7879         | 25.8                               | 198.3               | GGG                  |                       | 2                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------------------------|--------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                                     | MSS          |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 07938W                      | 5016N | 2603-15241        | 00000/0000                              | 2-2003P/1399 | 09/16/76         | 0                   | 8407            | 36.9         | 145.2        |                       |                     |                      |                       |                      |
| 07939W                      | 5010N | 2405-15295        | 00000/0000                              | 2-20021/0989 | 03/02/76         | 0                   | 5646            | 27.1         | 145.9        | GGGG                  |                     |                      | 21                    | 25                   |
| 07939W                      | 5010N | 2495-15272        | 00000/0000                              | 2-20026/0471 | 05/31/76         | 10                  | 6901            | 54.7         | 132.9        | GGG                   | GF                  |                      | 21                    | 25                   |
| 07940W                      | 5011N | 2531-15262        | 00000/0000                              | 2-20028/0937 | 07/06/76         | 10                  | 7403            | 54.3         | 129.6        | GGG                   |                     |                      | 21                    | 25                   |
| 07940W                      | 5008N | 2549-15255        | 00000/0000                              | 2-20030/0030 | 07/24/76         | 50                  | 7654            | 51.5         | 131.4        | GGGG                  |                     |                      | 21                    | 25                   |
| 07940W                      | 1845N | 2470-14565        | 00000/0000                              | 2-20024/1309 | 05/06/76         | 20                  | 6552            | 57.1         | 88.1         | GGGG                  |                     |                      | 21                    | 25                   |
| 07941W                      | 7839N | 2615-18065        | 2-20034/1234                            | 00000/0000   | 09/28/76         | 30                  | 8576            | 8.7          | 194.6        | FGGG                  |                     |                      | 14                    | 47                   |
| 07943W                      | 5300N | 2406-15344        | 2-20027/0627                            | 00000/0000   | 03/03/76         | 90                  | 5660            | 25.5         | 147.8        | GGG                   |                     |                      | 51                    | 3                    |
| 07943W                      | 5009N | 2621-15234        | 00000/0000                              | 2-20034/0330 | 10/04/76         | 20                  | 8658            | 30.9         | 149.5        | GGG                   |                     |                      | 22                    | 23                   |
| 07944W                      | 7926N | 2547-18312        | 2-20030/1883                            | 00000/0000   | 07/22/76         | 10                  | 7628            | 30.3         | 198.3        | GGGG                  |                     |                      | 21                    | 25                   |
| 07945W                      | 7842N | 2561-18082        | 2-20031/0059                            | 00000/0000   | 06/05/76         | 90                  | 7823            | 27.9         | 192.2        | GG                    |                     |                      | 55                    | 2                    |
| 07945W                      | 5254N | 2514-15314        | 00000/0000                              | 2-20026/1870 | 03/19/76         | 90                  | 7166            | 54.1         | 134.6        | GGG                   |                     |                      | 51                    | 3                    |
| 07945W                      | 5003N | 2387-15302        | 00000/0000                              | 2-20020/1272 | 02/13/76         | 50                  | 5395            | 21.0         | 147.9        | GGGG                  |                     |                      | 22                    | 23                   |
| 07945W                      | 5003N | 2513-15265        | 2-20027/0654                            | 2-20026/1815 | 06/18/76         | 50                  | 7152            | 55.5         | 130.1        | GGG                   | GGGG                |                      | 21                    | 25                   |
| 07947W                      | 8036N | 2521-19284        | 2-20029/0227                            | 00000/0000   | 06/26/76         | 90                  | 7266            | 31.3         | 214.3        | GGG                   | GGGG                |                      | 21                    | 25                   |
| 07948W                      | 6002N | 2589-15444        | 2-20033/0234                            | 00000/0000   | 09/02/76         | 40                  | 8212            | 34.8         | 151.4        | GGF                   |                     |                      | 43                    | 248                  |
| 07952W                      | 8040N | 2558-19332        | 2-20031/0040                            | 00000/0000   | 08/02/76         | 30                  | 7782            | 25.4         | 214.2        | GGG                   |                     |                      | 25                    | 18                   |
| 07952W                      | 7826N | 2524-18035        | 2-20029/0245                            | 00000/0000   | 06/29/76         | 90                  | 7307            | 34.6         | 191.6        | GGG                   |                     |                      | 48                    | 248                  |
| 07955W                      | 8014N | 2589-19041        | 2-20033/0181                            | 00000/0000   | 09/02/76         | 80                  | 8214            | 16.4         | 207.3        | GGG                   |                     |                      | 51                    | 3                    |
| 07958W                      | 2315N | 2453-15015        | 00000/0000                              | 2-20023/0474 | 04/19/76         | 50                  | 6315            | 55.3         | 104.2        | GGGG                  |                     |                      | 60                    | 1                    |
| 07959W                      | 7924N | 2529-18315        | 2-20033/0096                            | 00000/0000   | 07/04/76         | 30                  | 7377            | 33.0         | 198.7        | GGG                   |                     |                      | 15                    | 44                   |
| 08001W                      | 7739N | 2557-17460        | 2-20031/0032                            | 00000/0000   | 08/01/76         | 100                 | 7767            | 30.2         | 185.9        | GG                    |                     |                      | 55                    | 2                    |
| 08002W                      | 2308N | 2435-15022        | 00000/0000                              | 2-20022/1040 | 04/01/76         | 10                  | 6064            | 51.3         | 112.9        | GGGG                  |                     |                      | 47                    | 4                    |
| 08003W                      | 2305N | 2489-15005        | 00000/0000                              | 2-20026/0280 | 05/25/76         | 30                  | 6817            | 58.5         | 87.1         | GGGG                  |                     |                      | 15                    | 44                   |
| 08004W                      | 7934N | 2584-18360        | 2-20033/0053                            | 00000/0000   | 08/28/76         | 10                  | 8144            | 19.4         | 199.9        | GGG                   |                     |                      | 15                    | 44                   |
| 08006W                      | 2307N | 2417-15030        | 00000/0000                              | 2-20021/1619 | 03/14/76         | 20                  | 5813            | 46.2         | 120.6        | GGG                   |                     |                      | 55                    | 2                    |
| 08007W                      | 8045N | 2577-19383        | 2-20033/0035                            | 00000/0000   | 08/21/76         | 70                  | 8047            | 19.5         | 215.6        | GGG                   | GGFG                |                      | 15                    | 44                   |
| 08008W                      | 7734N | 2539-17463        | 2-20029/0292                            | 00000/0000   | 07/14/76         | 80                  | 7516            | 34.0         | 185.9        | GGG                   |                     |                      | 54                    | 247                  |
| 08012W                      | 8042N | 2595-19380        | 2-20033/0161                            | 00000/0000   | 05/08/76         | 60                  | 8298            | 13.0         | 215.9        | FFF                   |                     |                      | 47                    | 4                    |
| 08022W                      | 8002N | 2516-19003        | 2-20029/0194                            | 00000/0000   | 06/21/76         | 60                  | 7196            | 32.5         | 206.6        | GGG                   |                     |                      | 54                    | 247                  |
| 08025W                      | 2142N | 2435-15025        | 00000/0000                              | 2-20027/1727 | 04/01/76         | 10                  | 6064            | 51.6         | 111.0        | GGGG                  |                     |                      | 60                    | 1                    |
| 08026W                      | 5136N | 2406-15351        | 2-20027/0628                            | 00000/0000   | 03/03/76         | 90                  | 5660            | 26.5         | 146.8        | G                     |                     |                      | 15                    | 45                   |
| 08027W                      | 8039N | 2540-19335        | 2-20030/1862                            | 00000/0000   | 07/15/76         | 10                  | 7531            | 29.3         | 214.2        | GGG                   |                     |                      | 22                    | 24                   |
| 08028W                      | 7833N | 2525-18093        | 2-20029/0253                            | 00000/0000   | 06/30/76         | 90                  | 7321            | 34.4         | 192.4        | GGG                   |                     |                      | 48                    | 248                  |
| 08028W                      | 2141N | 2417-15032        | 00000/0000                              | 2-20021/1563 | 03/14/76         | 20                  | 5813            | 46.7         | 119.1        | GG                    |                     |                      | 51                    | 3                    |
|                             |       |                   |                                         |              |                  |                     |                 |              |              | GGGG                  |                     |                      | 15                    | 45                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANGSAT-2  
COORDINATE LISTING  
FBR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 08029W                      | 8003N | 2534-19000        | P-20029/0302                            | 00000/0000       | 07/09/76            | 90              | 7447         | 31.4         | 205.5                 |                     |                      |                       |                      |
| 08031W                      | 7932N | 2566-18362        | P-20033/0138                            | 00000/0000       | 08/10/76            | 100             | 7893         | 25.3         | 199.0                 | F                   |                      | 61                    | 1                    |
| 08034W                      | 7846N | 2598-18130        | P-20033/0246                            | 00000/0000       | 09/11/76            | 70              | 8339         | 15.2         | 194.2                 | GGG                 |                      | 56                    | 2                    |
| 08035W                      | 7834N | 2543-18090        | P-20030/1881                            | 00000/0000       | 07/18/76            | 0               | 7572         | 32.2         | 191.6                 | GGG                 |                      | 51                    | 3                    |
| 08036W                      | 7730N | 2521-17470        | P-20029/0225                            | 00000/0000       | 06/26/76            | 100             | 7265         | 35.8         | 186.4                 | GGG                 |                      | 51                    | 3                    |
| 08037W                      | 8010N | 2571-19044        | P-20033/0002                            | 00000/0000       | 08/15/76            | 80              | 7963         | 22.7         | 206.3                 | F F                 |                      | 48                    | 4                    |
| 08044W                      | 7747N | 2576-17511        | P-20033/0027                            | 00000/0000       | 08/20/76            | 100             | 8032         | 24.4         | 187.1                 | GGG                 |                      | 61                    | 1                    |
| 08046W                      | 5839N | 2589-15451        | P-20033/0235                            | 00000/0000       | 09/02/76            | 60              | 8212         | 35.8         | 149.9                 | GGG                 |                      | 48                    | 4                    |
| 08048W                      | 7745N | 2594-17504        | P-20033/0155                            | 00000/0000       | 09/07/76            | 40              | 8283         | 18.0         | 187.9                 | GGG                 |                      | 25                    | 19                   |
| 08050W                      | 7844N | 2580-18133        | P-20033/0057                            | 00000/0000       | 08/24/76            | 70              | 8088         | 21.9         | 193.1                 | GGF                 |                      | 48                    | 4                    |
| 08100W                      | 5021N | 2460-15335        | 00000/0000                              | 2-20024/0626     | 04/26/76            | 90              | 6413         | 47.3         | 139.7                 | GGG                 |                      | 52                    | 3                    |
| 08102W                      | 5021N | 2586-15303        | 00000/0000                              | 2-20032/0367     | 08/30/76            | 20              | 8170         | 42.2         | 140.5                 | GGFG                |                      | 22                    | 25                   |
| 08105W                      | 7740N | 2612-17501        | P-20034/1224                            | 00000/0000       | 09/25/76            | 60              | 8534         | 11.1         | 188.8                 | GGGG                |                      | 22                    | 25                   |
| 08106W                      | 5014N | 2604-15300        | 00000/0000                              | 2-20032/1430     | 09/17/76            | 10              | 8421         | 36.6         | 145.4                 | GFF                 |                      | 48                    | 4                    |
| 08106W                      | 5008N | 2478-15333        | 00000/0000                              | 2-20025/0597     | 05/14/76            | 100             | 6664         | 52.1         | 136.2                 | GGGG                |                      | 22                    | 25                   |
| 08107W                      | 5012N | 2406-15353        | 00000/0000                              | 2-20021/1049     | 03/03/76            | 100             | 5660         | 27.5         | 145.8                 | GGGG                |                      | 22                    | 25                   |
| 08108W                      | 5007N | 2532-15320        | 00000/0000                              | 2-20028/0884     | 07/07/76            | 90              | 7417         | 54.2         | 129.6                 | GGG                 |                      | 22                    | 25                   |
| 08108W                      | 5006N | 2514-15323        | 00000/0000                              | 2-20026/1871     | 06/19/76            | 50              | 7166         | 55.4         | 130.1                 | GGGG                |                      | 22                    | 25                   |
| 08111W                      | 5010N | 2622-15292        | 00000/0000                              | 2-20034/0389     | 10/05/76            | 90              | 6572         | 30.6         | 149.8                 | GGGG                |                      | 22                    | 25                   |
| 08112W                      | 5001N | 2370-15363        | 00000/0000                              | 2-20020/0449     | 01/27/76            | 30              | 5158         | 16.4         | 150.2                 | F GGG               |                      | 22                    | 25                   |
| 08114W                      | 8046N | 2578-19441        | P-20033/0042                            | 00000/0000       | 08/22/76            | 30              | 8061         | 19.2         | 215.9                 | GGG                 |                      | 22                    | 25                   |
| 08116W                      | 7933N | 2603-18411        | P-20033/0196                            | 00000/0000       | 09/16/76            | 40              | 8409         | 12.2         | 200.9                 | GGG                 |                      | 55                    | 247                  |
| 08117W                      | 8008N | 2553-19051        | P-20031/0008                            | 00000/0000       | 07/28/76            | 20              | 7712         | 27.9         | 205.5                 | G                   |                      | 56                    | 2                    |
| 08120W                      | 7740N | 2558-17514        | P-20031/0039                            | 00000/0000       | 08/02/76            | 80              | 7781         | 29.9         | 186.0                 | GGG                 |                      | 61                    | 1                    |
| 08122W                      | 5252N | 2407-15403        | 00000/0000                              | 2-20021/1093     | 03/04/76            | 10              | 5674         | 26.0         | 147.6                 | GGG                 |                      | 48                    | 4                    |
| 08125W                      | 2313N | 2454-15073        | 00000/0000                              | 2-20023/0524     | 04/20/76            | 30              | 6329         | 55.5         | 103.6                 | GGG                 |                      | 23                    | 23                   |
| 08126W                      | 8013N | 2572-19102        | P-20033/0015                            | 00000/0000       | 08/16/76            | 40              | 9976         | 22.3         | 206.9                 | GGGG                |                      | 16                    | 44                   |
| 08127W                      | 2307N | 2472-15070        | 00000/0000                              | 2-20024/1535     | 05/08/76            | 20              | 6580         | 57.9         | 94.2                  | G                   |                      | 61                    | 1                    |
| 08129W                      | 8013N | 2590-19095        | P-20033/0114                            | 00000/0000       | 09/03/76            | 30              | 8228         | 16.1         | 207.3                 | GGG                 |                      | 16                    | 44                   |
| 08130W                      | 8044N | 2596-19434        | P-20033/0262                            | 00000/0000       | 09/09/76            | 10              | 8312         | 12.6         | 216.1                 | GGG                 |                      | 61                    | 1                    |
| 08130W                      | 7838N | 2562-18141        | P-20031/0064                            | 00000/0000       | 08/06/76            | 90              | 7837         | 27.7         | 191.8                 | GGF                 |                      | 55                    | 247                  |
| 08130W                      | 2309N | 2436-15081        | 00000/0000                              | 2-20022/1175     | 04/02/76            | 70              | 6078         | 51.5         | 112.4                 | GGG                 |                      | 52                    | 3                    |
| 08132W                      | 2306N | 2418-15084        | 00000/0000                              | 2-20022/0110     | 03/15/76            | 30              | 5827         | 44.5         | 120.2                 | GGG                 |                      | 16                    | 44                   |
| 08135W                      | 7751N | 2595-17562        | P-20033/0160                            | 00000/0000       | 09/08/76            | 50              | 8297         | 17.5         | 188.5                 | GGGF                |                      | 16                    | 44                   |
| 08135W                      | 0122S | 2432-14522        | 00000/0000                              | 2-20022/0965     | 03/29/76            | 80              | 6022         | 50.1         | 82.8                  | GGG                 |                      | 48                    | 4                    |
|                             |       |                   |                                         |                  |                     |                 |              |              |                       | GGGG                |                      | 12                    | 61                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER;  
IMAGE QUALITY ..... BLANKS, RAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBV<br>NUM. |     |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|-----|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |              |              | 123 45678             |                     |                      |                       |                      |     |
| 08137W                      | 7923N             | 2548-18370                              | 2-20030/1887     | 00000/0000          | 07/23/76     | 10           | 7642                  | 30.1                | 197.9                | GGG                   | 56                   | 2   |
| 08140W                      | 8011N             | 2608-19092                              | 2-20034/1204     | 00000/0000          | 09/21/76     | 10           | 2479                  | 9.2                 | 207.9                | GGG                   | 61                   | 1   |
| 08140W                      | 5715N             | 2589-15453                              | 2-20033/0236     | 00000/0000          | 09/02/76     | 30           | 8212                  | 36.8                | 148.4                | GGG                   | 25                   | 20  |
| 08149W                      | 7835N             | 2544-18144                              | 2-20029/0270     | 00000/0000          | 07/19/76     | 50           | 7586                  | 32.0                | 191.7                | GGG                   | 52                   | 3   |
| 08149W                      | 2141N             | 2472-15073                              | 00000/0000       | 2-20024/1536        | 05/08/76     | 30           | 6580                  | 57.7                | 91.8                 | GGG                   | 16                   | 45  |
| 08150W                      | 7731N             | 2522-17525                              | 2-20029/0233     | 00000/0000          | 06/27/76     | 100          | 7279                  | 35.8                | 186.4                | GGG                   | 48                   | 4   |
| 08152W                      | 8039N             | 2559-19390                              | 2-20031/0047     | 00000/0000          | 08/03/76     | 20           | 7796                  | 25.2                | 213.7                | GGG                   | 49                   | 248 |
| 08154W                      | 5133N             | 2533-15372                              | 00000/0000       | 2-20024/1576        | 07/08/76     | 20           | 7431                  | 53.4                | 131.9                | GGGG                  | 23                   | 24  |
| 08155W                      | 7731N             | 2540-17522                              | 2-20030/1860     | 00000/0000          | 07/15/76     | 40           | 7530                  | 33.9                | 185.6                | GGG                   | 49                   | 4   |
| 08156W                      | 8010N             | 2554-19105                              | 2-20031/0015     | 00000/0000          | 07/29/76     | 70           | 7726                  | 27.5                | 206.3                | GG                    | 62                   | 1   |
| 08156W                      | 5129N             | 2515-15375                              | 00000/0000       | 2-20026/1726        | 06/20/76     | 80           | 7180                  | 54.8                | 132.2                | GGGG                  | 23                   | 24  |
| 08158W                      | 7932N             | 2585-18414                              | 2-20033/0105     | 00000/0000          | 08/29/76     | 60           | 8158                  | 19.1                | 199.5                | GG                    | 57                   | 2   |
| 08202W                      | 7746N             | 2613-17555                              | 2-20034/1227     | 00000/0000          | 09/26/76     | 10           | 8548                  | 10.6                | 189.4                | GGG                   | 49                   | 4   |
| 08204W                      | 5128N             | 2407-15405                              | 00000/0000       | 2-20021/1094        | 03/04/76     | 10           | 5674                  | 27.0                | 146.6                | GGG                   | 23                   | 24  |
| 08206W                      | 7846N             | 2581-18192                              | 2-20033/0066     | 00000/0000          | 08/25/76     | 60           | 8102                  | 21.5                | 193.3                | GGG                   | 52                   | 3   |
| 08206W                      | 7749N             | 2577-17565                              | 2-20033/0034     | 00000/0000          | 08/21/76     | 80           | 8046                  | 24.0                | 187.3                | GGG                   | 49                   | 4   |
| 08211W                      | 2014N             | 2472-15075                              | 00000/0000       | 2-20024/1537        | 05/08/76     | 20           | 6580                  | 57.5                | 89.5                 | GGGG                  | 16                   | 46  |
| 08212W                      | 7928N             | 2567-18421                              | 2-20033/0144     | 00000/0000          | 08/11/76     | 90           | 7907                  | 25.1                | 198.6                | GGG                   | 57                   | 2   |
| 08214W                      | 8041N             | 2560-19444                              | 2-20031/0054     | 00000/0000          | 08/04/76     | 80           | 7810                  | 24.8                | 214.6                | GG                    | 49                   | 248 |
| 08217W                      | 8037N             | 2541-19393                              | 2-20030/1869     | 00000/0000          | 07/16/76     | 40           | 7545                  | 29.2                | 213.7                | GGG                   | 49                   | 248 |
| 08218W                      | 7830N             | 2526-18151                              | 2-20033/0082     | 00000/0000          | 07/01/76     | 70           | 7335                  | 34.4                | 192.0                | GGG                   | 53                   | 3   |
| 08225W                      | 7842N             | 2539-18185                              | 2-20033/0255     | 00000/0000          | 09/12/76     | 10           | 8353                  | 14.9                | 193.9                | GGG                   | 53                   | 3   |
| 08225W                      | 5022N             | 2443-15401                              | 00000/0000       | 2-20022/1690        | 04/09/76     | 20           | 6176                  | 41.6                | 142.0                | GGGG                  | 23                   | 25  |
| 08226W                      | 5021N             | 2461-15393                              | 00000/0000       | 2-20024/0679        | 04/27/76     | 50           | 6427                  | 47.6                | 139.5                | GGGG                  | 23                   | 25  |
| 08230W                      | 5551N             | 2589-15460                              | 2-20033/0237     | 00000/0000          | 09/02/76     | 50           | 8212                  | 37.7                | 147.0                | GGG                   | 25                   | 21  |
| 08230W                      | 5021N             | 2587-15361                              | 00000/0000       | 2-20032/0383        | 08/31/76     | 90           | 8184                  | 41.9                | 140.8                | GGGG                  | 23                   | 25  |
| 08232W                      | 1847N             | 2472-15082                              | 00000/0000       | 2-20024/1538        | 05/08/76     | 30           | 6580                  | 57.2                | 87.2                 | GGGG                  | 16                   | 47  |
| 08233W                      | 5018N             | 2695-15322                              | 00000/0000       | 2-20037/0943        | 12/17/76     | 50           | 9690                  | 12.1                | 153.4                | GGGG                  | 23                   | 25  |
| 08233W                      | 5016N             | 2605-15354                              | 00000/0000       | 2-20032/1498        | 09/18/76     | 20           | 8435                  | 36.3                | 145.7                | GGGG                  | 23                   | 25  |
| 08233W                      | 5014N             | 2425-15404                              | 00000/0000       | 2-20027/0210        | 03/22/76     | 10           | 5925                  | 34.8                | 143.9                | GGGG                  | 23                   | 25  |
| 08234W                      | 8036N             | 2523-19400                              | 2-20029/0241     | 00000/0000          | 06/25/76     | 70           | 7294                  | 31.2                | 214.4                | GGG                   | 50                   | 248 |
| 08234W                      | 5009N             | 2533-15374                              | 00000/0000       | 2-20028/1577        | 07/08/76     | 40           | 7431                  | 54.0                | 129.7                | GGGG                  | 23                   | 25  |
| 08234W                      | 1303N             | 2417-15055                              | 00000/0000       | 2-20021/1564        | 03/14/76     | 30           | 5813                  | 49.0                | 109.2                | GGGG                  | 15                   | 51  |
| 08235W                      | 7742N             | 2559-17572                              | 2-20031/0046     | 00000/0000          | 08/03/76     | 20           | 7795                  | 29.6                | 186.1                | GGG                   | 49                   | 4   |
| 08235W                      | 5012N             | 2677-15330                              | 00000/0000       | 2-20037/0422        | 11/29/76     | 20           | 9439                  | 14.5                | 154.8                | GGGG                  | 23                   | 25  |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRI<br>LONG | CIPAL<br>LAT | POINT<br>OF IMAGE | BBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBV<br>NUM. |
|-------------|--------------|-------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08236W      | 5005N        | 2515-15381        | 00000/0000        | 2-20026/1727                 | 06/20/76                    | 10               | 7180                | 55.4            | 129.9        |              |                                    |                     |                      |                       |                      |
| 08238W      | 5003N        | 2371-15421        | 00000/0000        | 2-20020/0444                 | 01/28/76                    | 50               | 5172                | 16.6            | 150.1        |              | GGGF                               |                     |                      | 23                    | 25                   |
| 08238W      | 5000N        | 2389-15415        | 00000/0000        | 2-20020/1533                 | 02/15/76                    | 100              | 5423                | 21.6            | 147.7        |              | GGGG                               |                     |                      | 23                    | 25                   |
| 08242W      | 8013N        | 2591-19153        | 2-20033/0121      | 00000/0000                   | 09/04/76                    | 10               | 8242                | 15.7            | 207.5        |              | GGG                                |                     |                      | 23                    | 25                   |
| 08244W      | 5004N        | 2407-15412        | 00000/0000        | 2-20021/1095                 | 03/04/76                    | 10               | 5674                | 27.9            | 145.6        |              | GGGG                               |                     |                      | 62                    | 1                    |
| 08251W      | 4934N        | 2641-15344        | 00000/0000        | 2-20034/1180                 | 10/24/76                    | 80               | 8937                | 24.6            | 152.8        |              | GGGG                               |                     |                      | 23                    | 25                   |
| 08254W      | 7924N        | 2549-18425        | 2-20030/1890      | 00000/0000                   | 07/24/76                    | 10               | 7656                | 29.9            | 198.0        |              | GGG                                |                     |                      | 23                    | 25                   |
| 08254W      | 1136N        | 2417-15062        | 00000/0000        | 2-20021/1565                 | 03/14/76                    | 30               | 5813                | 49.2            | 107.5        |              | GGGG                               |                     |                      | 57                    | 2                    |
| 08258W      | 8011N        | 2609-19150        | 2-20034/1210      | 00000/0000                   | 09/22/76                    | 10               | 8493                | 8.7             | 208.1        |              | GGG                                |                     |                      | 15                    | 52                   |
| 08300W      | 8014N        | 2573-19160        | 2-20033/0022      | 00000/0000                   | 08/17/76                    | 50               | 7991                | 22.0            | 206.8        |              | GGG                                |                     |                      | 62                    | 1                    |
| 08309W      | 7932N        | 2586-18473        | 2-20033/0110      | 00000/0000                   | 08/30/76                    | 60               | 8172                | 18.7            | 199.8        |              | GGG                                |                     |                      | 62                    | 1                    |
| 08313W      | 7923N        | 2531-18432        | 2-20029/0258      | 00000/0000                   | 07/06/76                    | 50               | 7405                | 32.8            | 198.3        |              | GGG                                |                     |                      | 57                    | 2                    |
| 08314W      | 7733N        | 2541-17580        | 2-20030/1867      | 00000/0000                   | 07/16/76                    | 50               | 7544                | 33.7            | 185.7        |              | GGG                                |                     |                      | 57                    | 2                    |
| 08315W      | 7931N        | 2604-18470        | 2-20033/0199      | 00000/0000                   | 09/17/76                    | 10               | 8423                | 11.9            | 200.5        |              | GGG                                |                     |                      | 49                    | 4                    |
| 08315W      | 5145N        | 2588-15413        | 00000/0000        | 2-20032/0526                 | 09/01/76                    | 70               | 8198                | 40.8            | 142.5        |              |                                    |                     |                      | 58                    | 2                    |
| 08315W      | 5139N        | 2480-15442        | 00000/0000        | 2-20025/0662                 | 05/16/76                    | 70               | 6692                | 51.6            | 138.0        |              | GGGG                               |                     |                      | 24                    | 24                   |
| 08315W      | 1010N        | 2417-15064        | 00000/0000        | 2-20021/1566                 | 03/14/76                    | 80               | 5813                | 49.4            | 105.8        |              | GGGG                               |                     |                      | 24                    | 24                   |
| 08317W      | 5427N        | 2589-15462        | 2-20033/0238      | 00000/0000                   | 09/02/76                    | 50               | 8212                | 38.7            | 145.5        |              | GGG                                |                     |                      | 15                    | 53                   |
| 08319W      | 1553N        | 2418-15105        | 00000/0000        | 2-20022/0111                 | 03/15/76                    | 40               | 5827                | 48.6            | 112.1        |              | GGG                                |                     |                      | 25                    | 22                   |
| 08320W      | 7750N        | 2578-18023        | 2-20033/0041      | 00000/0000                   | 08/22/76                    | 60               | 8060                | 23.7            | 187.5        |              | GGG                                |                     |                      | 16                    | 49                   |
| 08321W      | 7833N        | 2545-18202        | 2-20029/0274      | 00000/0000                   | 07/20/76                    | 10               | 7600                | 31.8            | 191.5        |              | G G                                |                     |                      | 50                    | 4                    |
| 08322W      | 1551N        | 2400-15112        | 00000/0000        | 2-20021/0781                 | 03/26/76                    | 50               | 5576                | 44.4            | 120.1        |              | GGGG                               |                     |                      | 53                    | 3                    |
| 08323W      | 5128N        | 2516-15433        | 00000/0000        | 2-20027/0287                 | 06/21/76                    | 10               | 7194                | 54.8            | 132.1        |              | GGGG                               |                     |                      | 16                    | 49                   |
| 08330W      | 7748N        | 2596-18021        | 2-20033/0261      | 00000/0000                   | 09/09/76                    | 30               | 8311                | 17.2            | 188.3        |              | GGG                                |                     |                      | 24                    | 24                   |
| 08330W      | 7730N        | 2523-17584        | 2-20029/0239      | 00000/0000                   | 06/28/76                    | 70               | 7293                | 35.7            | 186.4        |              | GGG                                |                     |                      | 50                    | 4                    |
| 08333W      | 7930N        | 2568-18480        | 2-20033/0148      | 00000/0000                   | 08/12/76                    | 90               | 7921                | 24.8            | 198.8        |              | G                                  |                     |                      | 50                    | 4                    |
| 08334W      | 7847N        | 2532-18250        | 2-20033/0074      | 00000/0000                   | 08/26/76                    | 20               | 8116                | 21.1            | 193.5        |              | GGG                                |                     |                      | 58                    | 2                    |
| 08339W      | 7831N        | 2527-18205        | 2-20033/0087      | 00000/0000                   | 07/02/76                    | 70               | 7349                | 34.3            | 192.0        |              | GGG                                |                     |                      | 53                    | 3                    |
| 08339W      | 1426N        | 2418-15111        | 00000/0000        | 2-20022/0112                 | 03/15/76                    | 60               | 5827                | 48.9            | 110.4        |              | GGGG                               |                     |                      | 53                    | 3                    |
| 08342W      | 8009N        | 2555-19164        | 2-20031/0020      | 00000/0000                   | 07/30/76                    | 50               | 7740                | 27.3            | 205.9        |              | GG                                 |                     |                      | 16                    | 50                   |
| 08343W      | 7843N        | 2600-18243        | 2-20033/0265      | 00000/0000                   | 09/13/76                    | 0                | 8367                | 14.5            | 194.0        |              | GGG                                |                     |                      | 63                    | 1                    |
| 08343W      | 1424N        | 2400-15114        | 00000/0000        | 2-20021/0782                 | 02/26/76                    | 60               | 5576                | 44.9            | 118.7        |              | GGGG                               |                     |                      | 54                    | 3                    |
| 08348W      | 8036N        | 2524-19455        | 2-20029/0248      | 00000/0000                   | 06/29/76                    | 90               | 7308                | 31.1            | 214.5        |              | GG                                 |                     |                      | 16                    | 50                   |
| 08352W      | 5019N        | 2444-15455        | 00000/0000        | 2-20022/1763                 | 04/10/76                    | 100              | 6190                | 42.0            | 214.9        |              | GGGG                               |                     |                      | 50                    | 248                  |
| 08355W      | 8038N        | 2542-19452        | 2-20030/1875      | 00000/0000                   | 07/17/76                    | 40               | 7559                | 29.1            | 213.5        |              | GGG                                |                     |                      | 24                    | 25                   |
|             |              |                   |                   |                              |                             |                  |                     |                 |              |              |                                    |                     |                      | 51                    | 248                  |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>POSITION IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|--------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08355N 5014N                            | 2480-15445        | 00000/0000                   | 2-20025/0669                         | 05/16/76         | 80                  | 6692            | 52.4         | 135.9        |                                    |                     |                      | 24                    | 25                   |
| 08355W 5013N                            | 2678-15384        | 2-20037/1366                 | 00000/0000                           | 11/30/76         | 10                  | 9453            | 14.3         | 154.8        | GGG                                |                     |                      | 24                    | 25                   |
| 08356W 5020N                            | 2588-15415        | 00000/0000                   | 2-20032/0527                         | 09/01/76         | 60                  | 8198            | 41.6         | 141.0        |                                    |                     |                      | 24                    | 25                   |
| 08356W 5008N                            | 2408-15470        | 00000/0000                   | 2-20027/0026                         | 03/05/76         | 100                 | 5688            | 28.3         | 145.5        | GGGG                               |                     |                      | 24                    | 25                   |
| 08357W 5012N                            | 2426-15462        | 00000/0000                   | 2-20027/1298                         | 03/23/76         | 30                  | 5939            | 35.2         | 143.8        | GGGG                               |                     |                      | 24                    | 25                   |
| 08357W 5010N                            | 2498-15442        | 00000/0000                   | 2-20026/0731                         | 06/03/76         | 10                  | 6943            | 55.0         | 132.4        | GGGG                               |                     |                      | 24                    | 25                   |
| 08358W 5309N                            | 2571-15471        | 00000/0000                   | 2-20030/1357                         | 08/15/76         | 0                   | 7961            | 44.8         | 139.8        | GGGG                               |                     |                      | 25                    | 23                   |
| 08400W 5010N                            | 2552-15430        | 00000/0000                   | 2-20030/0297                         | 07/27/76         | 90                  | 7696            | 50.9         | 131.9        | GGGG                               |                     |                      | 24                    | 25                   |
| 08401W 5303N                            | 2589-15465        | 2-20033/0239                 | 00000/0000                           | 09/02/76         | 50                  | 8212            | 39.6         | 144.1        | GGG                                |                     |                      | 25                    | 23                   |
| 08401W 5011N                            | 2678-15385        | 00000/0000                   | 2-20036/1683                         | 11/30/76         | 10                  | 9453            | 14.4         | 154.7        |                                    |                     |                      | 24                    | 25                   |
| 08402W 5015N                            | 2606-15412        | 00000/0000                   | 2-20037/1501                         | 09/19/76         | 90                  | 8449            | 35.9         | 145.9        | GGGG                               |                     |                      | 24                    | 25                   |
| 08403W 5004N                            | 2516-15440        | 00000/0000                   | 2-20027/0288                         | 06/21/76         | 0                   | 7194            | 55.4         | 129.8        | GGGG                               |                     |                      | 24                    | 25                   |
| 08404W 5005N                            | 2624-15405        | 00000/0000                   | 2-20034/0432                         | 10/07/76         | 90                  | 8700            | 29.9         | 150.1        | GGGG                               |                     |                      | 24                    | 25                   |
| 08404W 5005N                            | 2642-15401        | 00000/0000                   | 2-20034/1169                         | 10/25/76         | 90                  | 8951            | 23.9         | 153.2        | GGGG                               |                     |                      | 24                    | 25                   |
| 08404W 1257N                            | 2400-15121        | 00000/0000                   | 2-20021/0783                         | 02/26/76         | 60                  | 5576            | 45.3         | 117.3        | GGGG                               |                     |                      | 16                    | 51                   |
| 08406W 5000N                            | 2390-15473        | 00000/0000                   | 2-20020/1642                         | 02/16/76         | 10                  | 5437            | 22.0         | 147.6        | GGGG                               |                     |                      | 24                    | 25                   |
| 08407W 7925N                            | 2550-18483        | 2-20030/1899                 | 00000/0000                           | 07/25/76         | 0                   | 7670            | 29.6         | 198.1        | GGG                                |                     |                      | 58                    | 2                    |
| 08412W 8014N                            | 2574-19214        | 2-20031/0072                 | 00000/0000                           | 08/18/76         | 40                  | 8005            | 21.7         | 207.0        | FGF                                |                     |                      | 63                    | 1                    |
| 08412W 8013N                            | 2592-19212        | 2-20033/0127                 | 00000/0000                           | 09/05/76         | 10                  | 8256            | 15.3         | 207.5        | GGG                                |                     |                      | 63                    | 1                    |
| 08414W 7737N                            | 2614-18014        | 2-20034/1231                 | 00000/0000                           | 09/27/76         | 60                  | 8562            | 10.4         | 188.7        | GGG                                |                     |                      | 50                    | 4                    |
| 08417W 8012N                            | 2610-19204        | 2-20034/1217                 | 00000/0000                           | 09/23/76         | 60                  | 8507            | 8.3          | 208.3        | FFG                                |                     |                      | 63                    | 1                    |
| 08418W 7838N                            | 2564-18253        | 2-20033/0006                 | 00000/0000                           | 08/08/76         | 80                  | 7865            | 27.1         | 191.8        | GGG                                |                     |                      | 54                    | 3                    |
| 08420W 7738N                            | 2560-18031        | 2-20031/0053                 | 00000/0000                           | 08/04/76         | 40                  | 7809            | 29.4         | 185.9        | GG                                 |                     |                      | 50                    | 4                    |
| 08424W 1131N                            | 2400-15123        | 00000/0000                   | 2-20021/0784                         | 02/26/76         | 70                  | 5576            | 45.8         | 115.8        | GGGG                               |                     |                      | 16                    | 52                   |
| 08430W 7922N                            | 2532-18490        | 2-20029/0262                 | 00000/0000                           | 07/07/76         | 80                  | 7419            | 32.7         | 198.4        | GGG                                |                     |                      | 58                    | 2                    |
| 08437W 7751N                            | 2579-18082        | 2-20033/0047                 | 00000/0000                           | 08/23/76         | 90                  | 8074            | 23.3         | 187.7        | GGG                                |                     |                      | 50                    | 4                    |
| 08441W 5144N                            | 2571-15474        | 00000/0000                   | 2-20030/1358                         | 08/15/76         | 10                  | 7961            | 45.7         | 138.1        | GGGG                               |                     |                      | 25                    | 24                   |
| 08444W 5138N                            | 2589-15471        | 2-20033/0240                 | 00000/0000                           | 09/02/76         | 20                  | 8212            | 40.5         | 142.7        | GGG                                |                     |                      | 25                    | 24                   |
| 08445W 7733N                            | 2542-18034        | 2-20030/1874                 | 00000/0000                           | 07/17/76         | 30                  | 7558            | 33.5         | 185.5        | GGG                                |                     |                      | 51                    | 4                    |
| 08446W 7748N                            | 2597-18075        | 2-20033/0244                 | 00000/0000                           | 09/10/76         | 50                  | 8325            | 16.8         | 188.5        | GGG                                |                     |                      | 51                    | 4                    |
| 08449W 5130N                            | 2643-15453        | 00000/0000                   | 2-20034/1193                         | 10/25/76         | 80                  | 8965            | 22.5         | 154.2        | GGGG                               |                     |                      | 25                    | 24                   |
| 08450W 5128N                            | 2409-15522        | 00000/0000                   | 2-20021/1235                         | 03/06/76         | 0                   | 5702            | 27.7         | 146.4        | GGGG                               |                     |                      | 25                    | 24                   |
| 08450W 5126N                            | 2517-15492        | 00000/0000                   | 2-20027/0302                         | 06/22/76         | 10                  | 7208            | 54.7         | 132.0        | GGGF                               |                     |                      | 25                    | 24                   |
| 08453W 7832N                            | 2528-18263        | 2-20033/0092                 | 00000/0000                           | 07/03/76         | 70                  | 7363            | 34.2         | 192.1        | GGG                                |                     |                      | 54                    | 3                    |
| 08453W 5123N                            | 2391-15525        | 00000/0000                   | 2-20020/1644                         | 02/17/76         | 90                  | 5451            | 21.3         | 148.2        | GGG                                |                     |                      | 25                    | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08456W                                  | 8010N             | 2556-19222                                         | P-20031/0027     | 00000/0000          | 07/31/76        | 100          | 7754         | 27.0                               | 206.1               | GG                   | 64                    | 1                    |
| 08502W                                  | 1429N             | 2437-15162                                         | 00000/0000       | 2-20029/1223        | 04/03/76        | 60           | 6092         | 52.8                               | 100.2               | GGGG                 | 17                    | 50                   |
| 08506W                                  | 1427N             | 2419-15165                                         | 00000/0000       | 2-20021/1700        | 03/16/76        | 40           | 5841         | 49.1                               | 109.9               | GGGG                 | 17                    | 50                   |
| 08509W                                  | 7728N             | 2524-18041                                         | P-20029/0246     | 00000/0000          | 06/29/76        | 90           | 7307         | 35.7                               | 186.0               | GGG                  | 51                    | 4                    |
| 08509W                                  | 1426N             | 2401-15173                                         | 00000/0000       | 2-20021/0786        | 02/27/76        | 80           | 5590         | 45.1                               | 118.3               | GGGG                 | 17                    | 50                   |
| 08512W                                  | 7742N             | 2615-18072                                         | P-20034/1235     | 00000/0000          | 09/28/76        | 70           | 8574         | 9.9                                | 189.2               | G G                  | 51                    | 4                    |
| 08513W                                  | 1413N             | 2313-15180                                         | 00000/0000       | 2-20020/1290        | 02/09/76        | 60           | 5339         | 41.5                               | 125.2               | GGGG                 | 17                    | 50                   |
| 08515W                                  | 7844N             | 2583-18304                                         | P-20033/0050     | 00000/0000          | 08/27/76        | 10           | 8130         | 20.9                               | 193.1               | GGG                  | 55                    | 3                    |
| 08516W                                  | 7745N             | 2561-18085                                         | P-20031/0060     | 00000/0000          | 08/05/76        | 100          | 7823         | 29.0                               | 186.4               | GGG                  | 51                    | 4                    |
| 08517W                                  | 5021N             | 2463-15510                                         | 00000/0000       | 2-20024/0938        | 04/29/76        | 30           | 6455         | 48.2                               | 139.2               | FGFG                 | 25                    | 25                   |
| 08519W                                  | 5021N             | 2445-15513                                         | 00000/0000       | 2-20023/0004        | 04/11/76        | 0            | 6204         | 42.3                               | 141.8               | GGGG                 | 25                    | 25                   |
| 08521W                                  | 5020N             | 2571-15480                                         | 00000/0000       | 2-20030/1359        | 08/15/76        | 20           | 7961         | 46.4                               | 136.4               | FGFG                 | 25                    | 25                   |
| 08521W                                  | 5013N             | 2431-15503                                         | 00000/0000       | 2-20025/0537        | 05/17/76        | 90           | 6706         | 52.6                               | 135.7               | GGGG                 | 25                    | 25                   |
| 08523W                                  | 1303N             | 2437-15164                                         | 00000/0000       | 2-20022/1224        | 04/03/76        | 50           | 6092         | 52.8                               | 98.2                | GGGG                 | 17                    | 51                   |
| 08524W                                  | 5014N             | 2589-15474                                         | P-20033/0241     | 2-20032/0576        | 09/02/76        | 10           | 8212         | 41.4                               | 141.2               | GGG                  | 25                    | 25                   |
| 08524W                                  | 7628S             | 2384-12241                                         | 00000/0000       | 2-20020/1323        | 02/10/76        | 80           | 5351         | 15.8                               | 86.6                | GGGG                 | 233                   | 115                  |
| 08525W                                  | 8015N             | 2593-19270                                         | P-20033/0132     | 00000/0000          | 09/06/76        | 90           | 8270         | 14.9                               | 207.7               | GGG                  | 64                    | 1                    |
| 08526W                                  | 1301N             | 2419-15172                                         | 00000/0000       | 2-20021/1701        | 03/16/76        | 60           | 5841         | 49.4                               | 108.2               | GGGG                 | 17                    | 51                   |
| 08527W                                  | 5005N             | 2535-15491                                         | 00000/0000       | 2-20028/1020        | 07/10/76        | 70           | 7459         | 53.8                               | 129.7               | GGGG                 | 25                    | 25                   |
| 08529W                                  | 5002N             | 2517-15494                                         | 00000/0000       | 2-20027/0303        | 06/22/76        | 10           | 7208         | 55.4                               | 129.7               | GGGG                 | 25                    | 25                   |
| 08530W                                  | 5006N             | 2643-15455                                         | 00000/0000       | 2-20034/1194        | 10/26/76        | 30           | 8965         | 23.6                               | 153.3               | FFGG                 | 25                    | 25                   |
| 08530W                                  | 5004N             | 2409-15524                                         | 00000/0000       | 2-20021/1236        | 03/06/76        | 10           | 5702         | 28.7                               | 145.4               | GGGG                 | 25                    | 25                   |
| 08530W                                  | 1300N             | 2401-15175                                         | 00000/0000       | 2-20024/0787        | 02/27/76        | 70           | 5590         | 45.5                               | 116.9               | GGGG                 | 17                    | 51                   |
| 08532W                                  | 5253N             | 2513-15543                                         | 00000/0000       | 2-20027/0296        | 06/23/76        | 10           | 7222         | 54.0                               | 134.2               | FGFG                 | 26                    | 23                   |
| 08533W                                  | 4959N             | 2391-15531                                         | 00000/0000       | 2-20020/1643        | 02/17/76        | 50           | 5451         | 22.3                               | 147.4               | G                    | 25                    | 25                   |
| 08533W                                  | 1247N             | 2383-15182                                         | 00000/0000       | 2-20020/1291        | 02/09/76        | 60           | 5339         | 42.2                               | 124.0               | GGGG                 | 17                    | 51                   |
| 08534W                                  | 7839N             | 2601-18301                                         | P-20033/0189     | 00000/0000          | 09/14/76        | 10           | 8381         | 14.2                               | 193.7               | GGG                  | 55                    | 3                    |
| 08547W                                  | 1135N             | 2419-15174                                         | 00000/0000       | 2-20021/1702        | 03/16/76        | 50           | 5841         | 49.6                               | 106.4               | GGGG                 | 17                    | 52                   |
| 08548W                                  | 7736N             | 2525-18095                                         | P-20029/0254     | 00000/0000          | 06/30/76        | 70           | 7321         | 35.5                               | 186.6               | GGG                  | 51                    | 4                    |
| 08550W                                  | 1134N             | 2401-15182                                         | 00000/0000       | 2-20021/0788        | 02/27/76        | 40           | 5590         | 46.0                               | 115.4               | GGGG                 | 17                    | 52                   |
| 08554W                                  | 1120N             | 2383-15185                                         | 00000/0000       | 2-20020/1292        | 02/09/76        | 20           | 5339         | 42.8                               | 122.7               | FGGG                 | 17                    | 52                   |
| 08557W                                  | 7736N             | 2543-18092                                         | P-20030/1882     | 00000/0000          | 07/18/76        | 0            | 7572         | 33.3                               | 185.8               | GGG                  | 51                    | 4                    |
| 08558W                                  | 7836N             | 2565-18312                                         | P-20033/0136     | 00000/0000          | 08/09/76        | 80           | 7879         | 26.9                               | 191.7               | GGG                  | 55                    | 3                    |
| 08601W                                  | 7836N             | 2547-18315                                         | P-20030/1884     | 00000/0000          | 07/22/76        | 0            | 7628         | 31.4                               | 191.7               | GGG                  | 55                    | 3                    |
| 08602W                                  | 8012N             | 2575-19273                                         | P-20031/0078     | 00000/0000          | 08/19/76        | 90           | 8019         | 21.4                               | 206.7               | GGG                  | 64                    | 1                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08604W                                  | 5144N             | 2464-15562                                         | 00000/0000       | 2-20024/0204        | 04/30/76        | 50           | 6469         | 47.7                               | 140.8               |                      |                       |                      |
| 08608W                                  | 5143N             | 2572-15532                                         | 00000/0000       | 2-20030/1411        | 08/16/76        | 0            | 7975         | 45.4                               | 138.3               | FGGG                 | 26                    | 24                   |
| 08611W                                  | 5421N             | 2501-16002                                         | 00000/0000       | 2-20026/1214        | 06/06/76        | 90           | 6985         | 53.0                               | 138.4               | GGGG                 | 26                    | 24                   |
| 08614W                                  | 5128N             | 2518-15550                                         | 00000/0000       | 2-20027/0297        | 06/23/76        | 60           | 7222         | 54.7                               | 132.0               | GGGG                 | 27                    | 22                   |
| 08615W                                  | 5130N             | 2410-15580                                         | 00000/0000       | 2-20021/1268        | 03/07/76        | 10           | 5716         | 28.1                               | 146.4               | GGGG                 | 26                    | 24                   |
| 08617W                                  | 7833N             | 2529-18322                                         | P-20033/0097     | 00000/0000          | 07/04/76        | 30           | 7377         | 34.1                               | 192.1               | GGG                  | 25                    | 24                   |
| 08631W                                  | 1428N             | 2420-15223                                         | 00000/0000       | 2-20022/0215        | 03/17/76        | 40           | 5855         | 49.4                               | 109.4               | GGGG                 | 55                    | 3                    |
| 08636W                                  | 1424N             | 2366-15240                                         | 00000/0000       | 2-20020/0250        | 01/23/76        | 40           | 5102         | 39.1                               | 130.9               | GGGG                 | 18                    | 50                   |
| 08636W                                  | 1423N             | 2402-15231                                         | 00000/0000       | 2-20021/0843        | 02/28/76        | 80           | 5604         | 45.3                               | 117.8               | GGGG                 | 18                    | 50                   |
| 08639W                                  | 1412N             | 2384-15234                                         | 00000/0000       | 2-20020/1325        | 02/10/76        | 70           | 5353         | 41.7                               | 124.8               | GGGG                 | 18                    | 50                   |
| 08640W                                  | 8015N             | 2594-19324                                         | P-20033/0157     | 00000/0000          | 09/07/76        | 60           | 8284         | 14.5                               | 208.0               | GGG                  | 18                    | 50                   |
| 08643W                                  | 5023N             | 2446-15571                                         | 00000/0000       | 2-20022/1788        | 04/12/76        | 20           | 6218         | 42.7                               | 141.7               |                      | 65                    | 1                    |
| 08644W                                  | 5020N             | 2464-15564                                         | 00000/0000       | 2-20024/0205        | 04/30/76        | 40           | 6469         | 48.5                               | 139.0               | GGGG                 | 26                    | 25                   |
| 08646W                                  | 8007N             | 2557-19280                                         | P-20031/0034     | 00000/0000          | 08/01/76        | 80           | 7768         | 26.8                               | 205.6               | GGG                  | 26                    | 25                   |
| 08648W                                  | 5012N             | 2482-15562                                         | 00000/0000       | 2-20025/0886        | 05/18/76        | 10           | 6720         | 52.8                               | 135.5               |                      | 65                    | 1                    |
| 08649W                                  | 5019N             | 2572-15535                                         | 00000/0000       | 2-20030/1412        | 08/16/76        | 10           | 7975         | 46.2                               | 136.6               | GGFG                 | 26                    | 25                   |
| 08650W                                  | 5021N             | 2590-15532                                         | 00000/0000       | 2-20032/0591        | 09/03/76        | 100          | 8226         | 41.0                               | 141.6               | GGGG                 | 26                    | 25                   |
| 08651W                                  | 5016N             | 2698-15492                                         | 00000/0000       | 2-20037/1132        | 12/20/76        | 10           | 9732         | 12.0                               | 153.1               | GGGG                 | 26                    | 25                   |
| 08651W                                  | 1301N             | 2420-15230                                         | 00000/0000       | 2-20022/0216        | 03/17/76        | 10           | 5855         | 49.6                               | 107.6               | GGGG                 | 18                    | 51                   |
| 08654W                                  | 5014N             | 2608-15525                                         | 00000/0000       | 2-20032/1414        | 09/21/76        | 90           | 8477         | 35.3                               | 146.5               | GGGG                 | 26                    | 25                   |
| 08654W                                  | 5004N             | 2518-15552                                         | 00000/0000       | 2-20027/0298        | 06/23/76        | 20           | 7222         | 55.3                               | 129.7               | FGGG                 | 26                    | 25                   |
| 08655W                                  | 5006N             | 2410-15582                                         | 00000/0000       | 2-20021/1269        | 03/07/76        | 80           | 5716         | 29.1                               | 145.3               | GGGG                 | 26                    | 25                   |
| 08655W                                  | 5006N             | 2644-15514                                         | 00000/0000       | 2-20035/0275        | 10/27/76        | 20           | 8979         | 23.2                               | 153.5               | GGGG                 | 26                    | 25                   |
| 08656W                                  | 5257N             | 2501-16004                                         | 00000/0000       | 2-20026/1215        | 06/06/76        | 90           | 6985         | 53.8                               | 136.3               | GGGG                 | 27                    | 23                   |
| 08656W                                  | 5005N             | 2392-15585                                         | 00000/0000       | 2-20021/0163        | 02/18/76        | 100          | 5465         | 22.6                               | 147.3               | FGGG                 | 26                    | 25                   |
| 08656W                                  | 1257N             | 2366-15242                                         | 00000/0000       | 2-20020/0251        | 01/23/76        | 0            | 5102         | 39.9                               | 129.8               | FGGG                 | 18                    | 51                   |
| 08657W                                  | 1257N             | 2402-15233                                         | 00000/0000       | 2-20021/0844        | 02/28/76        | 20           | 5604         | 45.8                               | 116.4               | GGGG                 | 18                    | 51                   |
| 08657W                                  | 5255N             | 2519-16001                                         | 00000/0000       | 2-20028/0017        | 06/24/76        | 70           | 7236         | 53.9                               | 134.2               | GGGG                 | 27                    | 23                   |
| 08659W                                  | 1246N             | 2384-15240                                         | 00000/0000       | 2-20020/1326        | 02/10/76        | 20           | 5353         | 42.3                               | 123.6               | GGGG                 | 18                    | 51                   |
| 08708W                                  | 8013N             | 2576-19331                                         | P-20033/0029     | 00000/0000          | 08/20/76        | 90           | 8033         | 21.0                               | 206.9               | GGG                  | 65                    | 1                    |
| 08712W                                  | 1135N             | 2420-15232                                         | 00000/0000       | 2-20022/0217        | 03/17/76        | 10           | 5855         | 49.8                               | 105.9               | GGGG                 | 18                    | 52                   |
| 08717W                                  | 1131N             | 2366-15245                                         | 00000/0000       | 2-20020/0252        | 01/23/76        | 0            | 5102         | 40.6                               | 128.7               | FGGG                 | 18                    | 52                   |
| 08717W                                  | 1130N             | 2402-15240                                         | 00000/0000       | 2-20021/0845        | 02/28/76        | 10           | 5604         | 46.2                               | 114.9               | FGGG                 | 18                    | 52                   |
| 08720W                                  | 1119N             | 2384-15243                                         | 00000/0000       | 2-20020/1340        | 02/10/76        | 0            | 5353         | 42.9                               | 122.3               | FF                   | 18                    | 52                   |
| 08732W                                  | 5146N             | 2573-15590                                         | 00000/0000       | 2-20030/1436        | 08/17/76        | 10           | 7989         | 45.1                               | 138.6               | GGGG                 | 27                    | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US

PAGE 1332

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08733W                                  | 2145N | 2440-15312        | 00000/0000 2-20022/1452                            | 04/06/76         | 10                  | 6134            | 52.8         | 108.6        | GGGG                               |                     |                      | 20                    | 45                   |
| 08738W                                  | 2139N | 2422-15315        | 00000/0000 2-20021/1746                            | 03/19/76         | 10                  | 5883            | 48.1         | 116.9        | GGGG                               |                     |                      | 20                    | 45                   |
| 08739W                                  | 5133N | 2501-16011        | 00000/0000 2-20024/1216                            | 06/06/76         | 80                  | 6985            | 54.5         | 134.1        | GGGG                               |                     |                      | 27                    | 24                   |
| 08739W                                  | 5131N | 2519-16004        | 00000/0000 2-20028/0018                            | 06/24/76         | 20                  | 7236            | 54.6         | 132.0        | GGGG                               |                     |                      | 27                    | 24                   |
| 08741W                                  | 2136N | 2386-15330        | 00000/0000 2-20020/1494                            | 02/12/76         | 10                  | 5381            | 38.6         | 130.2        | GGGG                               |                     |                      | 20                    | 45                   |
| 08741W                                  | 2133N | 2368-15332        | 00000/0000 2-20020/0292                            | 01/25/76         | 50                  | 5130            | 35.4         | 135.3        | GGGG                               |                     |                      | 20                    | 45                   |
| 08742W                                  | 5131N | 2627-15573        | 00000/0000 2-20034/0588                            | 10/10/76         | 90                  | 8742            | 27.8         | 151.7        | GGGG                               |                     |                      | 27                    | 24                   |
| 08742W                                  | 5129N | 2411-16034        | 00000/0000 2-20021/1357                            | 03/08/76         | 10                  | 5730            | 28.5         | 146.3        | GGGG                               |                     |                      | 27                    | 24                   |
| 08743W                                  | 5129N | 2393-16041        | 00000/0000 2-20021/0181                            | 02/19/76         | 10                  | 5479            | 21.9         | 148.1        | GGGG                               |                     |                      | 27                    | 24                   |
| 08755W                                  | 2019N | 2440-15314        | 00000/0000 2-20022/1453                            | 04/06/76         | 30                  | 6134            | 53.0         | 106.6        | GGGG                               |                     |                      | 20                    | 46                   |
| 08757W                                  | 1428N | 2421-15282        | 00000/0000 2-20022/0244                            | 03/18/76         | 20                  | 5869            | 49.6         | 108.9        | GGGG                               |                     |                      | 19                    | 50                   |
| 08759W                                  | 2012N | 2422-15322        | 00000/0000 2-20021/1747                            | 03/19/76         | 20                  | 5883            | 48.6         | 115.2        | GGGG                               |                     |                      | 20                    | 46                   |
| 08800W                                  | 8009N | 2558-19334        | 2-20031/0041 00000/0000                            | 08/02/76         | 70                  | 7782            | 26.6         | 205.8        | GGG                                |                     |                      | 66                    | 1                    |
| 08801W                                  | 1426N | 2403-15285        | 00000/0000 2-20021/0903                            | 02/29/76         | 40                  | 5618            | 45.5         | 117.4        | GGGG                               |                     |                      | 19                    | 50                   |
| 08803W                                  | 2010N | 2386-15332        | 00000/0000 2-20020/1495                            | 02/12/76         | 10                  | 5381            | 35.3         | 129.0        | GGGG                               |                     |                      | 20                    | 46                   |
| 08803W                                  | 2007N | 2368-15334        | 00000/0000 2-20020/0293                            | 01/25/76         | 90                  | 5130            | 36.2         | 134.4        | GGGG                               |                     |                      | 20                    | 46                   |
| 08803W                                  | 1422N | 2367-15294        | 00000/0000 2-20020/0026                            | 01/24/76         | 30                  | 5116            | 39.3         | 130.5        | GGGG                               |                     |                      | 19                    | 50                   |
| 08803W                                  | 1421N | 2385-15292        | 00000/0000 2-20021/0088                            | 02/11/76         | 20                  | 5367            | 41.8         | 124.6        | GGGG                               |                     |                      | 19                    | 50                   |
| 08809W                                  | 5022N | 2465-16022        | 00000/0000 2-20024/0384                            | 05/01/76         | 70                  | 6483            | 48.8         | 138.9        | GGGG                               |                     |                      | 27                    | 25                   |
| 08811W                                  | 5022N | 2447-16030        | 00000/0000 2-20023/0115                            | 04/13/76         | 10                  | 6232            | 43.0         | 141.5        | GGGG                               |                     |                      | 27                    | 25                   |
| 08813W                                  | 5021N | 2573-15593        | 00000/0000 2-20030/1437                            | 08/17/76         | 0                   | 7989            | 45.9         | 136.9        | GGGG                               |                     |                      | 27                    | 25                   |
| 08817W                                  | 5019N | 2699-15550        | 00000/0000 2-20037/1134                            | 12/21/76         | 0                   | 9746            | 11.9         | 153.0        | GGGG                               |                     |                      | 27                    | 25                   |
| 08817W                                  | 1852N | 2440-15321        | 00000/0000 2-20022/1454                            | 04/06/76         | 50                  | 6134            | 53.1         | 104.6        | GGGG                               |                     |                      | 20                    | 47                   |
| 08817W                                  | 1302N | 2421-15284        | 00000/0000 2-20022/0245                            | 03/18/76         | 0                   | 5869            | 49.8         | 107.1        | GGGG                               |                     |                      | 19                    | 51                   |
| 08819W                                  | 5008N | 2501-16013        | 00000/0000 2-20026/1217                            | 06/06/76         | 20                  | 6985            | 55.2         | 131.8        | GGGG                               |                     |                      | 27                    | 25                   |
| 08819W                                  | 5007N | 2519-16010        | 00000/0000 2-20028/0019                            | 06/24/76         | 30                  | 7236            | 55.3         | 129.7        | GGGG                               |                     |                      | 27                    | 25                   |
| 08819W                                  | 5007N | 2537-16003        | 00000/0000 2-20028/1234                            | 07/12/76         | 0                   | 7487            | 53.5         | 129.9        | GGGG                               |                     |                      | 27                    | 25                   |
| 08821W                                  | 1846N | 2422-15324        | 00000/0000 2-20021/1748                            | 03/19/76         | 40                  | 5883            | 48.9         | 113.5        | GGGG                               |                     |                      | 20                    | 47                   |
| 08821W                                  | 1259N | 2403-15292        | 00000/0000 2-20021/0904                            | 02/29/76         | 10                  | 5618            | 46.0         | 115.9        | GGGG                               |                     |                      | 19                    | 51                   |
| 08822W                                  | 5007N | 2627-15580        | 00000/0000 2-20034/0589                            | 10/10/76         | 80                  | 8742            | 28.9         | 150.8        | GGGG                               |                     |                      | 27                    | 25                   |
| 08822W                                  | 5035N | 2411-16041        | 00000/0000 2-20021/1358                            | 03/08/76         | 10                  | 5730            | 29.5         | 145.2        | GGGG                               |                     |                      | 27                    | 25                   |
| 08823W                                  | 5005N | 2393-16044        | 00000/0000 2-20021/0182                            | 02/19/76         | 20                  | 5479            | 22.9         | 147.2        | GGGG                               |                     |                      | 27                    | 25                   |
| 08823W                                  | 5005N | 2645-15572        | 00000/0000 2-20035/0290                            | 10/28/76         | 40                  | 8993            | 22.9         | 153.6        | GGGG                               |                     |                      | 27                    | 25                   |
| 08823W                                  | 1256N | 2367-15301        | 00000/0000 2-20020/0027                            | 01/24/76         | 0                   | 5116            | 40.0         | 129.5        | GGGG                               |                     |                      | 19                    | 51                   |
| 08824W                                  | 1844N | 2386-15335        | 00000/0000 2-20020/1495                            | 02/12/76         | 30                  | 5381            | 40.0         | 127.9        | GGGG                               |                     |                      | 20                    | 47                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR USN-US  
FROM 01/22/76 TO 01/22/77

PAGE 1333

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION IN RLV | ROLL NO./<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|------------------------------|------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 08824N                      | 1255N             | 2385-15294                   | 00000/0000       | 2-20021/0089     | 02/11/76            | 0               | 5367         | 42.4         | 123.4                              | FGGF                |                      | 19                    | 51                   |
| 08826N                      | 7209N             | 2537-17125                   | 00000/0000       | 2-20032/0646     | 08/31/76            | 0               | 8185         | 26.0         | 168.9                              | FGGG                |                      | 41                    | 9                    |
| 08826N                      | 0001N             | 2491-15190                   | 00000/0000       | 2-20026/0293     | 05/27/76            | 30              | 6845         | 47.3         | 57.5                               | GGGG                |                      | 17                    | 60                   |
| 08828W                      | 8015N             | 2577-19385                   | 2-20033/0036     | 00000/0000       | 08/21/76            | 90              | 8047         | 20.7         | 207.2                              | GGG                 |                      | 66                    | 1                    |
| 08832W                      | 8012N             | 2595-19382                   | 2-20033/0162     | 00000/0000       | 09/08/76            | 90              | 8298         | 14.2         | 207.6                              | GGG                 |                      | 66                    | 1                    |
| 08838W                      | 1726N             | 2440-15323                   | 00000/0000       | 2-20022/1455     | 04/06/76            | 40              | 6134         | 53.2         | 102.5                              | GGGG                |                      | 20                    | 48                   |
| 08845W                      | 7158N             | 2437-17152                   | 00000/0000       | 2-20026/0571     | 06/02/76            | 90              | 6930         | 40.1         | 168.8                              | FGGG                |                      | 41                    | 9                    |
| 08846N                      | 1717N             | 2386-15341                   | 00000/0000       | 2-20020/1497     | 02/12/76            | 70              | 5381         | 40.7         | 126.7                              | GGGG                |                      | 20                    | 48                   |
| 08846W                      | 0125S             | 2491-15192                   | 00000/0000       | 2-20026/0294     | 05/27/76            | 50              | 6845         | 46.3         | 56.4                               | GGGG                |                      | 17                    | 61                   |
| 08855W                      | 7152N             | 2533-17142                   | 00000/0000       | 2-20028/0966     | 07/08/76            | 100             | 7432         | 40.1         | 166.2                              | GGGG                |                      | 41                    | 9                    |
| 08858W                      | 2142N             | 2441-15370                   | 00000/0000       | 2-20022/1417     | 04/07/76            | 10              | 6148         | 53.0         | 108.0                              | FGGG                |                      | 21                    | 45                   |
| 08859W                      | 1559N             | 2440-15330                   | 00000/0000       | 2-20022/1456     | 04/06/76            | 10              | 6134         | 53.3         | 100.5                              | GGGG                |                      | 20                    | 49                   |
| 08903W                      | 2140N             | 2423-15374                   | 00000/0000       | 2-20022/0337     | 03/20/76            | 30              | 5897         | 48.4         | 116.5                              | FGGG                |                      | 21                    | 45                   |
| 08903W                      | 1552N             | 2422-15333                   | 00000/0000       | 2-20021/1749     | 03/19/76            | 40              | 5883         | 49.6         | 110.1                              | GGGG                |                      | 20                    | 49                   |
| 08904W                      | 5130N             | 2520-16062                   | 00000/0000       | 2-20027/0446     | 06/25/76            | 70              | 7250         | 54.6         | 131.9                              | GGGG                |                      | 28                    | 24                   |
| 08905W                      | 2137N             | 2405-15381                   | 00000/0000       | 2-20021/1064     | 03/02/76            | 70              | 5646         | 43.4         | 123.7                              | FGG                 |                      | 21                    | 45                   |
| 08906W                      | 5132N             | 2502-16065                   | 00000/0000       | 2-20026/0969     | 06/07/76            | 90              | 6999         | 54.6         | 133.9                              | GGGF                |                      | 28                    | 24                   |
| 08907W                      | 1551N             | 2386-15344                   | 00000/0000       | 2-20020/1498     | 02/12/76            | 30              | 5381         | 41.4         | 125.5                              | GGGG                |                      | 20                    | 49                   |
| 08912W                      | 8017N             | 2452-19480                   | 00000/0000       | 2-20024/0077     | 04/18/76            | 10              | 6304         | 19.6         | 202.7                              | GGGG                |                      | 54                    | 248                  |
| 08920W                      | 2017N             | 2441-15373                   | 00000/0000       | 2-20022/1418     | 04/07/76            | 0               | 6148         | 53.2         | 106.0                              | GGGG                |                      | 21                    | 46                   |
| 08923W                      | 1426N             | 2422-15340                   | 00000/0000       | 2-20021/1750     | 03/19/76            | 20              | 5883         | 49.8         | 108.3                              | GGGG                |                      | 20                    | 50                   |
| 08924W                      | 2014N             | 2423-15380                   | 00000/0000       | 2-20022/0338     | 03/20/76            | 30              | 5897         | 48.8         | 114.8                              | FGGG                |                      | 21                    | 46                   |
| 08927W                      | 7050N             | 2442-17112                   | 00000/0000       | 2-20022/1383     | 04/08/76            | 0               | 6163         | 26.2         | 167.1                              | GGGG                |                      | 40                    | 10                   |
| 08927W                      | 2010N             | 2405-15384                   | 00000/0000       | 2-20021/1065     | 03/02/76            | 90              | 5646         | 44.0         | 122.3                              | GGGG                |                      | 21                    | 46                   |
| 08928W                      | 1425N             | 2386-15350                   | 00000/0000       | 2-20020/1499     | 02/12/76            | 40              | 5381         | 42.0         | 124.3                              | GGGG                |                      | 20                    | 50                   |
| 08934W                      | 5024N             | 2448-16084                   | 00000/0000       | 2-20023/0220     | 04/14/76            | 20              | 6246         | 43.4         | 141.4                              | GGGG                |                      | 28                    | 25                   |
| 08937W                      | 7040N             | 2496-17100                   | 00000/0000       | 2-20024/0542     | 06/01/76            | 10              | 6916         | 41.0         | 165.9                              | GGGG                |                      | 40                    | 10                   |
| 08937W                      | 5021N             | 2466-16081                   | 00000/0000       | 2-20024/1280     | 05/02/76            | 90              | 6497         | 49.1         | 138.7                              | GGG                 |                      | 28                    | 25                   |
| 08938W                      | 8016N             | 2578-19443                   | 2-20033/0043     | 00000/0000       | 08/22/76            | 40              | 8061         | 20.3         | 207.4                              | GGG                 |                      | 55                    | 248                  |
| 08940W                      | 5021N             | 2574-16051                   | 00000/0000       | 2-20030/1513     | 08/18/76            | 70              | 8003         | 45.7         | 137.2                              | GGGG                |                      | 28                    | 25                   |
| 08942W                      | 5019N             | 2700-16005                   | 00000/0000       | 2-20037/0703     | 12/22/76            | 90              | 9760         | 11.9         | 152.9                              | GGGG                |                      | 28                    | 25                   |
| 08945W                      | 5009N             | 2538-16062                   | 00000/0000       | 2-20028/1333     | 07/13/76            | 100             | 7501         | 53.4         | 130.0                              | GGGG                |                      | 28                    | 25                   |
| 08945W                      | 5006N             | 2520-16065                   | 00000/0000       | 2-20027/0447     | 06/25/76            | 100             | 7250         | 55.2         | 129.6                              | GGGG                |                      | 28                    | 25                   |
| 08946W                      | 5007N             | 2502-16072                   | 00000/0000       | 2-20026/0970     | 06/07/76            | 90              | 6999         | 55.3         | 131.6                              | GGGG                |                      | 28                    | 25                   |
| 08946W                      | 1847N             | 2423-15383                   | 00000/0000       | 2-20022/0339     | 03/20/76            | 30              | 5897         | 49.2         | 113.1                              | FGGG                |                      | 21                    | 47                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 -R 28, 177

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US

PAGE 1334

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL |              | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------------------------|--------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                                     | MSS          |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 08948W                      | 5007N | 2412-16095        | 00000/0000                              | 2-20021/1357 | 03/09/76         | 10                  | 5744            | 29.8         | 145.1        |                       |                     |                      |                       |                      |
| 08948W                      | 5006N | 2646-16030        | 00000/0000                              | 2-20035/0282 | 10/29/76         | 90                  | 9007            | 22.6         | 153.7        | GGGG                  |                     |                      | 28                    | 25                   |
| 08948W                      | 1258N | 2386-15353        | 00000/0000                              | 2-20020/1500 | 02/12/76         | 10                  | 5381            | 42.6         | 123.0        | FGGG                  |                     |                      | 28                    | 25                   |
| 08949W                      | 8014N | 2596-19441        | 00000/0000                              | 2-20033/0263 | 09/09/76         | 30                  | 8312            | 13.8         | 207.8        | FFGF                  |                     |                      | 20                    | 51                   |
| 08949W                      | 5007N | 2628-16034        | 00000/0000                              | 2-20034/0590 | 10/11/76         | 70                  | 8756            | 28.5         | 151.0        | GGG                   |                     |                      | 67                    | 1                    |
| 08949W                      | 1344N | 2405-15390        | 00000/0000                              | 2-20021/1066 | 03/02/76         | 70                  | 5646            | 44.5         | 120.9        | GGGG                  |                     |                      | 28                    | 25                   |
| 08950W                      | 5002N | 2376-16104        | 00000/0000                              | 2-20020/0809 | 02/02/76         | 20                  | 5242            | 17.9         | 149.4        | FGGG                  |                     |                      | 21                    | 47                   |
| 08952W                      | 0002N | 2492-15244        | 00000/0000                              | 2-20026/0388 | 05/28/76         | 60                  | 6859            | 47.2         | 57.3         | GGGG                  |                     |                      | 28                    | 25                   |
| 08952W                      | 0000N | 2510-15242        | 00000/0000                              | 2-20026/1255 | 06/15/76         | 70                  | 7110            | 45.6         | 55.5         | GGGG                  |                     |                      | 18                    | 60                   |
| 08952W                      | 0000N | 2564-15224        | 00000/0000                              | 2-20030/0983 | 08/08/76         | 80                  | 7863            | 46.9         | 66.2         | GGGG                  |                     |                      | 18                    | 60                   |
| 08958W                      | 7730S | 2334-12244        | 00000/0000                              | 2-20020/1324 | 02/10/76         | 100                 | 5351            | 14.7         | 90.7         | GGGF                  |                     |                      | 233                   | 116                  |
| 08959W                      | 8007N | 2559-19393        | 00000/0000                              | 2-20031/0048 | 08/03/76         | 30                  | 7796            | 26.4         | 205.4        | GGG                   |                     |                      | 67                    | 1                    |
| 09007W                      | 1721N | 2423-15385        | 00000/0000                              | 2-20022/0340 | 03/20/76         | 40                  | 5897            | 49.5         | 111.4        | GGG                   |                     |                      | 21                    | 48                   |
| 09010W                      | 1717N | 2403-15393        | 00000/0000                              | 2-20021/1067 | 03/02/76         | 60                  | 5646            | 45.0         | 119.5        | GGGG                  |                     |                      | 21                    | 48                   |
| 09011W                      | 0124S | 2492-15251        | 00000/0000                              | 2-20026/0389 | 05/28/76         | 60                  | 6859            | 46.2         | 56.2         | GGGG                  |                     |                      | 18                    | 61                   |
| 09011W                      | 0127S | 2564-15231        | 00000/0000                              | 2-20030/0984 | 08/08/76         | 60                  | 7863            | 46.1         | 64.9         | GGGG                  |                     |                      | 18                    | 61                   |
| 09012W                      | 0124S | 2510-15244        | 00000/0000                              | 2-20026/1256 | 06/15/76         | 80                  | 7110            | 44.6         | 54.5         | GGGG                  |                     |                      | 18                    | 61                   |
| 09016W                      | 8010N | 2488-19470        | 00000/0000                              | 2-20026/0022 | 05/24/76         | 10                  | 6806            | 29.6         | 209.7        | GGGG                  |                     |                      | 67                    | 1                    |
| 09026W                      | 5142N | 2431-16143        | 00000/0000                              | 2-20022/0818 | 03/28/76         | 10                  | 6009            | 36.2         | 144.6        | GGGG                  |                     |                      | 29                    | 24                   |
| 09027W                      | 5422N | 2504-16173        | 00000/0000                              | 2-20026/1274 | 06/09/76         | 10                  | 7027            | 53.2         | 138.0        | GGGG                  |                     |                      | 30                    | 22                   |
| 09028W                      | 8010N | 2560-19451        | 00000/0000                              | 2-20031/0055 | 08/04/76         | 70                  | 7810            | 26.0         | 206.2        | GGF                   |                     |                      | 68                    | 1                    |
| 09028W                      | 2141N | 2424-15432        | 00000/0000                              | 2-20021/1788 | 03/21/76         | 40                  | 5911            | 48.7         | 116.1        | GGGG                  |                     |                      | 22                    | 45                   |
| 09028W                      | 1554N | 2423-15392        | 00000/0000                              | 2-20022/0341 | 03/20/76         | 70                  | 5897            | 49.8         | 109.6        | GGG                   |                     |                      | 21                    | 49                   |
| 09030W                      | 5140N | 2611-16093        | 00000/0000                              | 2-20032/1747 | 09/24/76         | 90                  | 8519            | 33.2         | 148.4        | GGGG                  |                     |                      | 29                    | 24                   |
| 09031W                      | 2139N | 2406-15435        | 00000/0000                              | 2-20021/1050 | 03/03/76         | 40                  | 5660            | 43.7         | 123.3        | GGGG                  |                     |                      | 22                    | 45                   |
| 09031W                      | 1551N | 2405-15395        | 00000/0000                              | 2-20021/1068 | 03/02/76         | 50                  | 5646            | 45.5         | 118.0        | GGG                   |                     |                      | 21                    | 49                   |
| 09033W                      | 2134N | 2388-15442        | 00000/0000                              | 2-20020/1538 | 02/14/76         | 30                  | 5409            | 39.1         | 129.5        | GGGF                  |                     |                      | 22                    | 45                   |
| 09033W                      | 2132N | 2370-15445        | 00000/0000                              | 2-20020/0354 | 01/27/76         | 100                 | 5158            | 35.7         | 134.8        | GGGG                  |                     |                      | 22                    | 45                   |
| 09034W                      | 5129N | 2647-16082        | 00000/0000                              | 2-20035/0319 | 10/30/76         | 10                  | 9021            | 21.2         | 154.6        | GGGG                  |                     |                      | 29                    | 24                   |
| 09035W                      | 5130N | 2413-16151        | 00000/0000                              | 2-20021/1429 | 03/10/76         | 0                   | 5758            | 29.3         | 146.1        | GGGG                  |                     |                      | 29                    | 24                   |
| 09035W                      | 5129N | 2629-16090        | 00000/0000                              | 2-20024/0713 | 10/12/76         | 30                  | 8770            | 27.2         | 152.1        | GGGG                  |                     |                      | 29                    | 24                   |
| 09046W                      | 7053N | 2587-17131        | 00000/0000                              | 2-20032/0647 | 08/31/76         | 0                   | 8185            | 27.1         | 166.3        | GGGG                  |                     |                      | 41                    | 10                   |
| 09047W                      | 7052N | 2443-17171        | 00000/0000                              | 2-20022/1730 | 04/09/76         | 0                   | 6177            | 26.5         | 167.2        | FGGG                  |                     |                      | 41                    | 10                   |
| 09049W                      | 1428N | 2423-15394        | 00000/0000                              | 2-20022/0342 | 03/20/76         | 80                  | 5897            | 50.0         | 107.8        | FG G                  |                     |                      | 21                    | 50                   |
| 09050W                      | 2014N | 2424-15434        | 00000/0000                              | 2-20021/1789 | 03/21/76         | 30                  | 5911            | 49.1         | 114.4        | FGGG                  |                     |                      | 22                    | 46                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN. H=HIGH GAIN

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LANDSAT-2  
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FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                                     |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 09051W                      | 1424N | 2405-15402        | 00000/0000 2-20021/1069                 | 03/02/76         | 20                  | 5646            | 46.0         | 116.5        | GGGG                  |                     |                      |                       |                      |
| 09053W                      | 2013N | 2406-15442        | 00000/0000 2-20021/1051                 | 03/03/76         | 40                  | 5660            | 44.2         | 121.9        | FFGF                  |                     |                      | 21                    | 50                   |
| 09054W                      | 7047N | 2605-17124        | 00000/0000 2-20032/1502                 | 09/18/76         | 80                  | 8436            | 20.5         | 168.2        | GGGG                  |                     |                      | 22                    | 46                   |
| 09055W                      | 2008N | 2388-15445        | 00000/0000 2-20020/1539                 | 02/14/76         | 20                  | 5409            | 39.8         | 128.4        | FFGG                  |                     |                      | 41                    | 10                   |
| 09055W                      | 2006N | 2370-15451        | 00000/0000 2-20020/0355                 | 01/27/76         | 90                  | 5158            | 36.5         | 133.8        | GGGG                  |                     |                      | 22                    | 46                   |
| 09101W                      | 5022N | 2449-16142        | 00000/0000 2-20023/0241                 | 04/15/76         | 10                  | 6260            | 43.7         | 141.3        | GGFG                  |                     |                      | 22                    | 46                   |
| 09103W                      | 5020N | 2467-16135        | 00000/0000 2-20024/1137                 | 05/03/76         | 0                   | 6511            | 49.3         | 138.5        | GGGG                  |                     |                      | 29                    | 25                   |
| 09104W                      | 7041N | 2497-17154        | 00000/0000 2-20026/0572                 | 06/02/76         | 40                  | 6930            | 41.1         | 165.9        | GGGG                  |                     |                      | 29                    | 25                   |
| 09106W                      | 5017N | 2431-16145        | 00000/0000 2-20022/0819                 | 03/28/76         | 30                  | 6009            | 37.1         | 143.3        | GGGG                  |                     |                      | 41                    | 10                   |
| 09107W                      | 5023N | 2575-16105        | 00000/0000 2-20030/1620                 | 08/19/76         | 40                  | 8017            | 45.4         | 137.5        | GGGG                  |                     |                      | 29                    | 25                   |
| 09107W                      | 5020N | 2701-16063        | 00000/0000 2-20037/1273                 | 12/23/76         | 10                  | 9774            | 11.8         | 152.7        | GGFG                  |                     |                      | 29                    | 25                   |
| 09108W                      | 7038N | 2623-17121        | 00000/0000 2-20034/0450                 | 10/06/76         | 40                  | 8687            | 13.7         | 169.7        | GGGG                  |                     |                      | 41                    | 10                   |
| 09108W                      | 5020N | 2593-16103        | 00000/0000 2-20032/0866                 | 09/06/76         | 0                   | 8268            | 40.1         | 142.5        | GGGG                  |                     |                      | 29                    | 25                   |
| 09108W                      | 5013N | 2435-16132        | 00000/0000 2-20025/1051                 | 05/21/76         | 0                   | 6762            | 53.3         | 134.9        | GGGG                  |                     |                      | 29                    | 25                   |
| 09108W                      | 5013N | 2557-16113        | 00000/0000 2-20030/0444                 | 08/01/76         | 10                  | 7766            | 49.9         | 133.0        | GGGG                  |                     |                      | 29                    | 25                   |
| 09110W                      | 5015N | 2611-16095        | 00000/0000 2-20032/1748                 | 09/24/76         | 90                  | 8519            | 34.2         | 147.2        | GGGG                  |                     |                      | 29                    | 25                   |
| 09111W                      | 7037N | 2533-17144        | 00000/0000 2-20028/0967                 | 07/08/76         | 80                  | 7432            | 41.1         | 163.1        | GGGG                  |                     |                      | 41                    | 10                   |
| 09111W                      | 5011N | 2683-16071        | 00000/0000 2-20037/0277                 | 12/05/76         | 30                  | 9523            | 13.5         | 154.5        | GGGG                  |                     |                      | 29                    | 25                   |
| 09112W                      | 5258N | 2504-16175        | 00000/0000 2-20026/1175                 | 06/09/76         | 10                  | 7027            | 53.9         | 135.9        | GGGG                  |                     |                      | 30                    | 23                   |
| 09112W                      | 1848N | 2424-15441        | 00000/0000 2-20021/190                  | 03/21/76         | 10                  | 5911            | 49.4         | 112.6        | GGFG                  |                     |                      | 22                    | 47                   |
| 09112W                      | 1258N | 2405-15404        | 00000/0000 2-20021/1070                 | 03/02/76         | 20                  | 5646            | 46.4         | 115.0        | FFFG                  |                     |                      | 21                    | 51                   |
| 09113W                      | 5007N | 2395-16160        | 00000/0000 2-20021/0355                 | 02/21/76         | 0                   | 5507            | 23.6         | 147.0        | GGGG                  |                     |                      | 29                    | 25                   |
| 09114W                      | 5006N | 2413-16153        | 00000/0000 2-20021/1430                 | 03/10/76         | 0                   | 5758            | 30.2         | 145.0        | GGGG                  |                     |                      | 29                    | 25                   |
| 09114W                      | 5006N | 2647-16084        | 00000/0000 2-20035/0320                 | 10/30/76         | 50                  | 9021            | 22.3         | 153.8        | GGGG                  |                     |                      | 29                    | 25                   |
| 09114W                      | 5002N | 2377-16163        | 00000/0000 2-20020/0834                 | 02/03/76         | 70                  | 5256            | 18.1         | 149.2        | FFGG                  |                     |                      | 29                    | 25                   |
| 09115W                      | 5004N | 2629-16092        | 00000/0000 2-20034/0714                 | 10/12/76         | 20                  | 8770            | 28.2         | 151.1        | GGGG                  |                     |                      | 29                    | 25                   |
| 09115W                      | 1847N | 2406-15444        | 00000/0000 2-20021/1052                 | 03/03/76         | 40                  | 5660            | 44.8         | 120.5        | FFGG                  |                     |                      | 22                    | 47                   |
| 09117W                      | 1842N | 2388-15451        | 00000/0000 2-20020/1540                 | 02/14/76         | 20                  | 5409            | 40.5         | 127.2        | GGFF                  |                     |                      | 22                    | 47                   |
| 09117W                      | 1839N | 2370-15454        | 00000/0000 2-20020/0356                 | 01/27/76         | 90                  | 5158            | 37.3         | 132.8        | GGGG                  |                     |                      | 22                    | 47                   |
| 09118W                      | 0001N | 2565-15283        | 00000/0000 2-20030/1019                 | 08/09/76         | 60                  | 7877            | 47.1         | 66.6         | GGGG                  |                     |                      | 19                    | 60                   |
| 09118W                      | 0000N | 2547-15290        | 00000/0000 2-20030/0108                 | 07/22/76         | 20                  | 7626            | 45.4         | 60.6         | GGGG                  |                     |                      | 19                    | 60                   |
| 09130W                      | 6933N | 2442-17115        | 00000/0000 2-20022/1384                 | 04/08/76         | 40                  | 6163            | 27.2         | 164.7        | GGGG                  |                     |                      | 40                    | 11                   |
| 09136W                      | 1720N | 2406-15451        | 00000/0000 2-20021/1053                 | 03/03/76         | 40                  | 5660            | 45.3         | 119.1        | GGGG                  |                     |                      | 22                    | 48                   |
| 09137W                      | 0125S | 2565-15285        | 00000/0000 2-20030/1020                 | 08/09/76         | 70                  | 7877            | 46.3         | 65.3         | GGGG                  |                     |                      | 19                    | 61                   |
| 09138W                      | 1716N | 2388-15454        | 00000/0000 2-20020/1541                 | 02/14/76         | 30                  | 5409            | 41.1         | 126.0        | GGGG                  |                     |                      | 22                    | 48                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRI    | TDAL  | POINT      | OBSERVATION  | MICROFILM    | ROLL NO./ | DATE     | CLOUD | ORBIT  | SUN   | SUN   | IMAGE=QUAL | MSS   | MSS  | ORBIT | FRAME |
|--------|-------|------------|--------------|--------------|-----------|----------|-------|--------|-------|-------|------------|-------|------|-------|-------|
| OF     | IMAGE |            | ID           | POSITION     | IN ROLL   | ACQUIRED | COVER | NUMBER | ELEV. | AZIM. | RBV        | MSS   | DATA | IMAGE | PATH  |
| LONG   | LAT   |            |              | RBV          | MSS       |          | %     |        |       |       | 123        | 45678 | MODE | GAIN  | NUM.  |
| 09138W | 1713. | 170-15460  | 00000/0000   | 2-20020/0357 | 01/27/76  | 70       | 5158  | 38.1   | 131.3 |       | GGGG       |       |      | 22    | 48    |
| 09138W | 01265 | 2547-15292 | 00000/0000   | 2-20030/0109 | 07/22/76  | 40       | 7626  | 44.5   | 59.4  |       | GGGG       |       |      | 19    | 61    |
| 09139W | 6922N | 2436-17102 | 00000/0000   | 2-20026/0543 | 06/01/76  | 10       | 6916  | 42.1   | 163.2 |       | GGGF       |       |      | 40    | 11    |
| 09151W | 5144N | 2432-16201 | 00000/0000   | 2-20022/0921 | 03/29/76  | 100      | 6023  | 36.6   | 144.5 |       | GGGG       |       |      | 30    | 24    |
| 09152W | 5145  | 2576-16161 | 00000/0000   | 2-20032/0038 | 08/20/76  | 90       | 8031  | 44.3   | 139.4 |       | G          |       |      | 30    | 24    |
| 09153W | 5425N | 2487-16233 | 00000/0000   | 2-20025/1036 | 05/23/76  | 0        | 6790  | 51.3   | 140.7 |       | FFF        |       |      | 31    | 22    |
| 09154W | 5421N | 2505-16231 | 00000/0000   | 2-20026/1655 | 06/10/76  | 100      | 7041  | 53.2   | 137.9 |       | GGGG       |       |      | 31    | 22    |
| 09154W | 5139N | 2684-16123 | 00000/0000   | 2-20037/0280 | 12/06/76  | 0        | 9537  | 12.2   | 155.1 |       | GGGG       |       |      | 30    | 24    |
| 09154W | 5134N | 2504-16182 | 00000/0000   | 2-20026/1276 | 06/09/76  | 10       | 7027  | 54.6   | 133.6 |       | GGGG       |       |      | 30    | 24    |
| 09154W | 1555N | 2424-15450 | 00000/0000   | 2-20021/1791 | 03/21/76  | 40       | 5911  | 50.0   | 109.1 |       | GGG        |       |      | 22    | 49    |
| 09157W | 1554N | 2406-15453 | 00000/0000   | 2-20021/1054 | 03/03/76  | 40       | 5660  | 45.8   | 117.6 |       | GGGG       |       |      | 22    | 49    |
| 09159W | 1549N | 2388-15460 | 00000/0000   | 2-20020/1542 | 02/14/76  | 20       | 5409  | 41.8   | 124.8 |       | GGGG       |       |      | 22    | 49    |
| 09159W | 1547N | 2370-15463 | 00000/0000   | 2-20020/0358 | 01/27/76  | 60       | 5158  | 38.9   | 130.7 |       | GGGG       |       |      | 22    | 49    |
| 09201W | 8004N | 2542-19454 | 2-20030/1876 | 00000/0000   | 07/17/76  | 60       | 7559  | 30.2   | 205.2 |       | GGG        |       |      | 22    | 49    |
| 09214W | 1428N | 2424-15452 | 00000/0000   | 2-20021/1792 | 03/21/76  | 20       | 5911  | 50.2   | 107.3 |       | GGGG       |       |      | 22    | 50    |
| 09218W | 1427N | 2406-15460 | 00000/0000   | 2-20021/1055 | 03/03/76  | 40       | 5660  | 46.2   | 116.1 |       | GGGG       |       |      | 22    | 50    |
| 09220W | 1423N | 2388-15463 | 00000/0000   | 2-20020/1543 | 02/14/76  | 10       | 5409  | 42.4   | 123.5 |       | GGGF       |       |      | 22    | 50    |
| 09227W | 5023N | 2450-16200 | 00000/0000   | 2-20023/0312 | 04/16/76  | 100      | 6274  | 44.1   | 141.2 |       | GGGG       |       |      | 30    | 25    |
| 09231W | 5019N | 2432-16204 | 00000/0000   | 2-20022/0922 | 03/29/76  | 100      | 6023  | 37.5   | 143.2 |       | GGGG       |       |      | 30    | 25    |
| 09232W | 5020N | 2576-16164 | 00000/0000   | 2-20032/0048 | 08/20/76  | 50       | 8031  | 45.1   | 137.7 |       | GGGG       |       |      | 30    | 25    |
| 09233W | 5544N | 2506-16233 | 00000/0000   | 2-20026/1156 | 06/11/76  | 10       | 7055  | 52.5   | 139.9 |       | GGGG       |       |      | 32    | 21    |
| 09233W | 5019N | 2702-16121 | 00000/0000   | 2-20037/1305 | 12/24/76  | 60       | 9788  | 11.8   | 152.6 |       | GGGG       |       |      | 30    | 25    |
| 09234W | 5015N | 2558-16171 | 00000/0000   | 2-20030/0601 | 08/02/76  | 10       | 7780  | 49.6   | 133.2 |       | G          |       |      | 30    | 25    |
| 09234W | 5009N | 2504-16184 | 00000/0000   | 2-20026/1277 | 06/09/76  | 40       | 7027  | 55.3   | 131.4 |       | GGGG       |       |      | 30    | 25    |
| 09235W | 5014N | 2684-16130 | 00000/0000   | 2-20037/0281 | 12/06/76  | 0        | 9537  | 13.3   | 154.4 |       | GGGG       |       |      | 30    | 25    |
| 09238W | 5301N | 2487-16240 | 00000/0000   | 2-20025/1037 | 05/23/76  | 0        | 6790  | 52.1   | 138.7 |       | GGFG       |       |      | 31    | 23    |
| 09238W | 1301N | 2406-15462 | 00000/0000   | 2-20021/1056 | 03/03/76  | 30       | 5660  | 46.6   | 114.6 |       | GGFF       |       |      | 22    | 51    |
| 09239W | 5257N | 2505-16233 | 00000/0000   | 2-20026/1656 | 06/10/76  | 90       | 7041  | 54.0   | 135.7 |       | GGGG       |       |      | 31    | 23    |
| 09240W | 5005N | 2630-16150 | 00000/0000   | 2-20034/0955 | 10/13/76  | 70       | 8784  | 27.9   | 151.3 |       | G          |       |      | 30    | 25    |
| 09240W | 5005N | 2648-16142 | 00000/0000   | 2-20035/0369 | 10/31/76  | 40       | 9035  | 22.0   | 153.9 |       | GGGG       |       |      | 30    | 25    |
| 09241W | 5003N | 2378-16221 | 00000/0000   | 2-20020/1000 | 02/04/76  | 0        | 5270  | 18.4   | 149.1 |       | GGFG       |       |      | 30    | 25    |
| 09243W | 0002N | 2566-15341 | 00000/0000   | 2-20030/1062 | 08/10/76  | 20       | 7891  | 47.2   | 67.0  |       | GGGG       |       |      | 20    | 60    |
| 09244W | 6935N | 2461-17170 | 00000/0000   | 2-20024/0490 | 04/27/76  | 90       | 6428  | 33.9   | 165.1 |       | GGGG       |       |      | 41    | 11    |
| 09250W | 6936N | 2587-17134 | 00000/0000   | 2-20032/0648 | 08/31/76  | 0        | 8185  | 28.1   | 163.9 |       | GGGG       |       |      | 41    | 11    |
| 09252W | 6934N | 2443-17173 | 00000/0000   | 2-20022/1731 | 04/09/76  | 0        | 6177  | 27.6   | 164.8 |       | GGGG       |       |      | 41    | 11    |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09254W                      | 6932N             | 2569-17141                              | 00000/0000       | 2-20030/1282        | 08/13/76        | 100          | 7934         | 34.1                               | 162.0               | G                    | 41                    | 11                   |
| 09254W                      | 6931N             | 2479-17163                              | 00000/0000       | 2-20025/0628        | 05/15/76        | 10           | 6679         | 38.9                               | 164.6               | GGGG                 | 41                    | 11                   |
| 09257W                      | 6930N             | 2605-17131                              | 00000/0000       | 2-20032/1503        | 09/18/76        | 70           | 8436         | 21.6                               | 166.0               | GGGG                 | 41                    | 11                   |
| 09303W                      | 0123S             | 2566-15343                              | 00000/0000       | 2-20030/1072        | 08/10/76        | 10           | 7891         | 46.4                               | 65.7                | GG                   | 20                    | 61                   |
| 09307W                      | 6924N             | 2497-17161                              | 00000/0000       | 2-20026/0573        | 06/02/76        | 50           | 6930         | 42.2                               | 163.2               | FGGG                 | 41                    | 11                   |
| 09310W                      | 6921N             | 2623-17123                              | 00000/0000       | 2-20034/0451        | 10/06/76        | 60           | 8687         | 14.9                               | 167.7               | GGGG                 | 41                    | 11                   |
| 09312W                      | 6919N             | 2533-17151                              | 00000/0000       | 2-20028/0968        | 07/08/76        | 70           | 7432         | 42.2                               | 160.6               | GGGG                 | 41                    | 11                   |
| 09318W                      | 5424N             | 2488-16292                              | 00000/0000       | 2-20025/1253        | 05/24/76        | 0            | 6804         | 51.5                               | 140.6               | GGGG                 | 32                    | 22                   |
| 09319W                      | 6815N             | 2442-17121                              | 00000/0000       | 2-20022/1385        | 04/08/76        | 30           | 6163         | 28.3                               | 162.6               | GGGG                 | 40                    | 12                   |
| 09320W                      | 5136N             | 2487-16242                              | 00000/0000       | 2-20025/1038        | 05/23/76        | 0            | 6790         | 52.9                               | 136.6               | FGFG                 | 31                    | 24                   |
| 09321W                      | 5419N             | 2506-16285                              | 00000/0000       | 2-20026/1157        | 06/11/76        | 90           | 7055         | 53.3                               | 137.7               | GGGG                 | 32                    | 22                   |
| 09321W                      | 5143N             | 2703-16173                              | 00000/0000       | 2-20037/1326        | 12/25/76        | 50           | 9802         | 10.7                               | 153.1               | GGGF                 | 31                    | 24                   |
| 09321W                      | 5133N             | 2505-16240                              | 00000/0000       | 2-20026/1657        | 06/10/76        | 60           | 7041         | 54.7                               | 133.5               | GGGG                 | 31                    | 24                   |
| 09323W                      | 6811N             | 2568-17085                              | 00000/0000       | 2-20030/1272        | 08/12/76        | 60           | 7920         | 35.5                               | 159.5               | G GG                 | 40                    | 12                   |
| 09324W                      | 5134N             | 2631-16202                              | 00000/0000       | 2-20034/0830        | 10/14/76        | 90           | 8798         | 26.4                               | 152.5               | FGGG                 | 31                    | 24                   |
| 09326W                      | 5130N             | 2649-16194                              | 00000/0000       | 2-20035/0450        | 11/01/76        | 30           | 9042         | 20.6                               | 154.8               | GGGG                 | 31                    | 24                   |
| 09328W                      | 6804N             | 2496-17105                              | 00000/0000       | 2-20026/0544        | 06/01/76        | 30           | 6916         | 43.2                               | 160.7               | GGGG                 | 40                    | 12                   |
| 09333W                      | 6802N             | 2550-17092                              | 00000/0000       | 2-20030/0113        | 07/25/76        | 0            | 7669         | 40.2                               | 158.1               | GGGG                 | 40                    | 12                   |
| 09337W                      | 6758N             | 2640-17064                              | 00000/0000       | 2-20034/0956        | 10/23/76        | 70           | 8924         | 9.9                                | 167.1               | FGGG                 | 40                    | 12                   |
| 09356W                      | 5546N             | 2489-16344                              | 00000/0000       | 2-20026/0062        | 05/25/76        | 20           | 6818         | 50.8                               | 142.4               | GGGG                 | 33                    | 21                   |
| 09357W                      | 5022N             | 2577-16222                              | 00000/0000       | 2-20030/1665        | 08/21/76        | 10           | 8045         | 44.8                               | 138.0               | G GG                 | 31                    | 25                   |
| 09400W                      | 5012N             | 2487-16245                              | 00000/0000       | 2-20025/1039        | 05/23/76        | 0            | 6790         | 53.7                               | 134.5               | GGFF                 | 31                    | 25                   |
| 09400W                      | 5009N             | 2541-16232                              | 00000/0000       | 2-20028/1549        | 07/16/76        | 70           | 7543         | 52.9                               | 130.3               | FGG                  | 31                    | 25                   |
| 09400W                      | 1849N             | 2462-15543                              | 00000/0000       | 2-20024/0871        | 04/28/76        | 20           | 6441         | 56.5                               | 92.4                | GGGG                 | 24                    | 47                   |
| 09401W                      | 5018N             | 2703-16175                              | 00000/0000       | 2-20037/1327        | 12/25/76        | 60           | 9802         | 11.8                               | 152.5               | FFGG                 | 31                    | 25                   |
| 09401W                      | 1846N             | 2480-15540                              | 00000/0000       | 2-20025/0532        | 05/16/76        | 10           | 6692         | 57.4                               | 83.5                | GGGG                 | 24                    | 47                   |
| 09402W                      | 5014N             | 2685-16184                              | 00000/0000       | 2-20037/0375        | 12/07/76        | 0            | 9551         | 13.2                               | 154.3               | GGGG                 | 31                    | 25                   |
| 09402W                      | 5008N             | 2505-16242                              | 00000/0000       | 2-20026/1658        | 06/10/76        | 10           | 7041         | 55.4                               | 131.2               | GGGG                 | 31                    | 25                   |
| 09403W                      | 5259N             | 2488-16294                              | 00000/0000       | 2-20025/1254        | 05/24/76        | 0            | 6804         | 52.3                               | 138.5               | GGGG                 | 32                    | 23                   |
| 09403W                      | 5013N             | 2613-16212                              | 00000/0000       | 2-20034/0001        | 09/26/76        | 90           | 8547         | 33.6                               | 147.7               | GGGG                 | 31                    | 25                   |
| 09403W                      | 5010N             | 2415-16265                              | 00000/0000       | 2-20021/1584        | 03/12/76        | 30           | 5786         | 31.0                               | 144.8               | GGGG                 | 31                    | 25                   |
| 09404W                      | 1846N             | 2426-15553                              | 00000/0000       | 2-20022/0435        | 03/23/76        | 40           | 5939         | 49.9                               | 111.6               | GGGG                 | 24                    | 47                   |
| 09405W                      | 5010N             | 2631-16204                              | 00000/0000       | 2-20034/0831        | 10/14/76        | 80           | 8798         | 27.5                               | 151.5               | GGGG                 | 31                    | 25                   |
| 09406W                      | 5256N             | 2506-16292                              | 00000/0000       | 2-20026/1158        | 06/11/76        | 50           | 7055         | 54.0                               | 135.5               | GGGG                 | 32                    | 23                   |
| 09406W                      | 5008N             | 2667-16192                              | 00000/0000       | 2-20036/1085        | 11/19/76        | 100          | 9300         | 16.7                               | 154.9               | FGGG                 | 31                    | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NOV-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRIGHT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09408W                      | 1844N | 2372-15570        | 00000/0000                   | 2-20020/0587                | 01/29/76         | 90                  | 5186             | 37.5         | 132.3        | FGGF                               |                     |                      | 24                    | 47                   |
| 09421W                      | 1722N | 2462-15545        | 00000/0000                   | 2-20024/0872                | 04/28/76         | 40                  | 6441             | 56.3         | 90.1         | GGGG                               |                     |                      | 24                    | 48                   |
| 09422W                      | 1720N | 2480-15542        | 00000/0000                   | 2-20025/0533                | 05/16/76         | 10                  | 6692             | 57.0         | 81.2         | GGGG                               |                     |                      | 24                    | 48                   |
| 09425W                      | 1719N | 2426-15550        | 00000/0000                   | 2-20022/0436                | 03/23/76         | 80                  | 5939             | 50.2         | 109.8        | GGGG                               |                     |                      | 24                    | 48                   |
| 09430W                      | 1718N | 2372-15573        | 00000/0000                   | 2-20020/0588                | 01/29/76         | 90                  | 5186             | 38.3         | 131.2        | FGGG                               |                     |                      | 24                    | 48                   |
| 09435W                      | 6816N | 2461-17173        | 00000/0000                   | 2-20024/0431                | 04/27/76         | 90                  | 6428             | 35.0         | 162.8        | GGGG                               |                     |                      | 41                    | 12                   |
| 09440W                      | 5148N | 2452-16310        | 00000/0000                   | 2-20023/0438                | 04/18/76         | 100                 | 6302             | 43.9         | 142.5        | GGFG                               |                     |                      | 32                    | 24                   |
| 09442W                      | 6817N | 2587-17140        | 00000/0000                   | 2-20032/0649                | 08/31/76         | 20                  | 8185             | 29.2         | 161.7        | FGGG                               |                     |                      | 41                    | 12                   |
| 09442W                      | 6815N | 2443-17180        | 00000/0000                   | 2-20022/1732                | 04/09/76         | 0                   | 6177             | 28.7         | 162.7        | GGGG                               |                     |                      | 41                    | 12                   |
| 09442W                      | 5141N | 2470-16303        | 00000/0000                   | 2-20024/1591                | 05/06/76         | 90                  | 6553             | 49.4         | 139.7        | GGGG                               |                     |                      | 32                    | 24                   |
| 09444W                      | 6813N | 2569-17143        | 00000/0000                   | 2-20030/1283                | 08/13/76         | 100                 | 7934             | 35.1         | 159.6        | GGGG                               |                     |                      | 41                    | 12                   |
| 09444W                      | 6812N | 2479-17170        | 00000/0000                   | 2-20025/0629                | 05/15/76         | 30                  | 6679             | 40.0         | 162.2        | GGGG                               |                     |                      | 41                    | 12                   |
| 09444W                      | 5422N | 2439-16350        | 00000/0000                   | 2-20026/0063                | 05/25/76         | 20                  | 6818             | 51.6         | 140.4        | GGGG                               |                     |                      | 33                    | 22                   |
| 09445W                      | 5144N | 2722-16223        | 00000/0000                   | 2-20038/1360                | 01/13/77         | 40                  | 67               | 11.9         | 150.4        | GG G                               |                     |                      | 32                    | 24                   |
| 09445W                      | 5134N | 2488-16311        | 00000/0000                   | 2-20025/1255                | 05/24/76         | 10                  | 6804             | 53.1         | 136.4        | GGGG                               |                     |                      | 32                    | 24                   |
| 09447W                      | 6811N | 2605-17133        | 00000/0000                   | 2-20032/1504                | 09/18/76         | 90                  | 8436             | 22.7         | 164.0        | GGGF                               |                     |                      | 41                    | 12                   |
| 09448W                      | 5422N | 2543-16333        | 00000/0000                   | 2-20028/1834                | 07/18/76         | 30                  | 7571             | 50.5         | 136.8        | FFFF                               |                     |                      | 33                    | 22                   |
| 09448W                      | 5132N | 2506-16294        | 00000/0000                   | 2-20026/1159                | 06/11/76         | 50                  | 7055             | 54.7         | 133.3        | GFGG                               |                     |                      | 32                    | 24                   |
| 09456W                      | 6805N | 2497-17163        | 00000/0000                   | 2-20026/0574                | 06/02/76         | 90                  | 6930             | 43.3         | 160.7        | FGGG                               |                     |                      | 41                    | 12                   |
| 09458W                      | 6655N | 2442-17124        | 00000/0000                   | 2-20022/1386                | 04/08/76         | 40                  | 6163             | 29.4         | 160.6        | FGGG                               |                     |                      | 40                    | 13                   |
| 09500W                      | 6801N | 2533-17153        | 00000/0000                   | 2-20028/0969                | 07/08/76         | 40                  | 7432             | 43.2         | 158.0        | GGGG                               |                     |                      | 41                    | 12                   |
| 09500W                      | 6801N | 2623-17130        | 00000/0000                   | 2-20034/0452                | 10/06/76         | 70                  | 8687             | 16.0         | 165.9        | GGGG                               |                     |                      | 41                    | 12                   |
| 09500W                      | 6652N | 2568-17091        | 00000/0000                   | 2-20030/1273                | 08/12/76         | 60                  | 7920             | 36.5         | 157.3        | GGGG                               |                     |                      | 40                    | 13                   |
| 09500W                      | 5358N | 2507-16344        | 00000/0000                   | 2-20026/1350                | 06/12/76         | 90                  | 7069             | 53.5         | 137.1        | GGGG                               |                     |                      | 33                    | 22                   |
| 09504W                      | 6758N | 2641-17122        | 00000/0000                   | 2-20034/1144                | 10/24/76         | 100                 | 8938             | 9.5          | 167.2        | GFGG                               |                     |                      | 41                    | 12                   |
| 09506W                      | 6644N | 2496-17111        | 00000/0000                   | 2-20026/0545                | 06/01/76         | 60                  | 6916             | 44.2         | 155.3        | GGGG                               |                     |                      | 40                    | 13                   |
| 09510W                      | 6643N | 2550-17095        | 00000/0000                   | 2-20030/0114                | 07/25/76         | 10                  | 7669             | 41.2         | 155.8        | GGGG                               |                     |                      | 40                    | 13                   |
| 09515W                      | 6639N | 2640-17070        | 00000/0000                   | 2-20034/0957                | 10/23/76         | 80                  | 8924             | 11.0         | 165.6        | GGGG                               |                     |                      | 40                    | 13                   |
| 09521W                      | 5023N | 2452-16313        | 00000/0000                   | 2-20023/0439                | 04/18/76         | 100                 | 6302             | 44.7         | 140.9        | FGFG                               |                     |                      | 32                    | 25                   |
| 09522W                      | 5314N | 2453-16362        | 00000/0000                   | 2-20023/0222                | 04/19/76         | 90                  | 6316             | 43.3         | 144.0        | GGGG                               |                     |                      | 33                    | 23                   |
| 09523W                      | 5017N | 2470-16310        | 00000/0000                   | 2-20024/1592                | 05/06/76         | 90                  | 6553             | 50.2         | 137.9        | GGGG                               |                     |                      | 32                    | 25                   |
| 09524W                      | 5019N | 2434-16320        | 00000/0000                   | 2-20022/0934                | 03/31/76         | 0                   | 6051             | 38.3         | 143.0        | GGGG                               |                     |                      | 32                    | 25                   |
| 09524W                      | 5019N | 2596-16273        | 00000/0000                   | 2-20032/1056                | 09/09/76         | 10                  | 8310             | 39.1         | 143.3        | GGGG                               |                     |                      | 32                    | 25                   |
| 09525W                      | 5020N | 2722-16225        | 00000/0000                   | 2-20038/1361                | 01/13/77         | 70                  | 67               | 12.9         | 149.8        | GGFG                               |                     |                      | 32                    | 25                   |
| 09526W                      | 5016N | 2560-16283        | 00000/0000                   | 2-20030/0825                | 08/04/76         | 90                  | 7808             | 49.2         | 133.6        | GGFG                               |                     |                      | 32                    | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS-BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM REEL NO./<br>POSITION IN REEL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRIGHT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09526W 1852N                            | 2445-16004        | 00000/0000 2-20023/0024                            | 04/11/76         | 10                  | 6204             | 54.1         | 101.8        | GGGG                               |                     |                      | 25                    | 47                   |
| 09528W 5307N                            | 2597-16323        | 00000/0000 2-20032/1128                            | 09/10/76         | 20                  | 8324             | 37.0         | 146.2        | G                                  |                     |                      | 33                    | 23                   |
| 09529W 5259N                            | 2489-16353        | 00000/0000 2-20026/0064                            | 05/25/76         | 10                  | 6818             | 52.5         | 138.3        | GGGG                               |                     |                      | 33                    | 23                   |
| 09529W 5013N                            | 2686-16242        | 00000/0000 2-20037/0484                            | 12/08/76         | 10                  | 9565             | 13.1         | 154.2        | GGGG                               |                     |                      | 32                    | 25                   |
| 09529W 5012N                            | 2614-16270        | 00000/0000 2-20034/0115                            | 09/27/76         | 30                  | 8561             | 33.3         | 147.9        | GGGG                               |                     |                      | 32                    | 25                   |
| 09529W 5011N                            | 2416-16324        | 00000/0000 2-20021/1581                            | 03/13/76         | 90                  | 5800             | 31.3         | 144.8        | GGGG                               |                     |                      | 32                    | 25                   |
| 09529W 1849N                            | 2427-16012        | 00000/0000 2-20022/0588                            | 03/24/76         | 20                  | 5953             | 50.2         | 111.2        | GGGG                               |                     |                      | 25                    | 47                   |
| 09533W 5258N                            | 2543-16347        | 00000/0000 2-20024/1835                            | 07/18/76         | 10                  | 7571             | 51.2         | 134.7        | FGFP                               |                     |                      | 33                    | 23                   |
| 09533W 1843N                            | 2409-16015        | 00000/0000 2-20021/1318                            | 03/06/76         | 50                  | 5702             | 45.6         | 119.2        | GGGG                               |                     |                      | 25                    | 47                   |
| 09535W 1841N                            | 2373-16024        | 00000/0000 2-20020/0637                            | 01/30/76         | 90                  | 5200             | 37.7         | 132.0        | GGGF                               |                     |                      | 25                    | 47                   |
| 09544W 5234N                            | 2507-16351        | 00000/0000 2-20026/1351                            | 06/12/76         | 90                  | 7069             | 54.2         | 134.9        | GGGG                               |                     |                      | 33                    | 23                   |
| 09545W 2313N                            | 2446-16051        | 00000/0000 2-20027/1789                            | 04/12/76         | 30                  | 6218             | 53.9         | 107.6        | GGGG                               |                     |                      | 26                    | 44                   |
| 09546W 2310N                            | 2464-16044        | 00000/0000 2-20024/1549                            | 04/30/76         | 60                  | 6469             | 57.0         | 98.3         | GGGG                               |                     |                      | 26                    | 44                   |
| 09548W 2304N                            | 2482-16041        | 00000/0000 2-20025/0748                            | 05/18/76         | 70                  | 6720             | 58.4         | 89.7         | GGGG                               |                     |                      | 26                    | 44                   |
| 09550W 2309N                            | 2590-16011        | 00000/0000 2-20032/0643                            | 09/03/76         | 50                  | 8226             | 52.6         | 109.3        | FGGG                               |                     |                      | 26                    | 44                   |
| 09551W 2308N                            | 2428-16054        | 00000/0000 2-20022/0589                            | 03/25/76         | 20                  | 5967             | 49.4         | 116.1        | GGGG                               |                     |                      | 26                    | 44                   |
| 09553W 2303N                            | 2410-16062        | 00000/0000 2-20021/1292                            | 03/07/76         | 50                  | 5716             | 44.2         | 123.2        | FGGG                               |                     |                      | 26                    | 44                   |
| 09554W 2608N                            | 2608-16004        | 00000/0000 2-20032/1632                            | 09/21/76         | 80                  | 8477             | 50.1         | 119.7        | GGGG                               |                     |                      | 26                    | 44                   |
| 09556W 2303N                            | 2392-16065        | 00000/0000 2-20020/1688                            | 02/18/76         | 40                  | 5465             | 39.3         | 129.4        | GGFG                               |                     |                      | 26                    | 44                   |
| 09559W 5717N                            | 2599-16424        | 00000/0000 2-20032/1233                            | 09/12/76         | 40                  | 8352             | 33.3         | 150.6        | GGGG                               |                     |                      | 35                    | 20                   |
| 09604W 5706N                            | 2365-16490        | 00000/0000 2-20020/0175                            | 01/22/76         | 80                  | 5089             | 10.0         | 154.7        | FFFF                               |                     |                      | 35                    | 20                   |
| 09605W 5149N                            | 2453-16364        | 00000/0000 2-20027/0223                            | 04/19/76         | 90                  | 6316             | 44.2         | 142.4        | GGGG                               |                     |                      | 33                    | 24                   |
| 09606W 5147N                            | 2579-16332        | 00000/0000 2-20030/1750                            | 08/23/76         | 20                  | 8073             | 43.4         | 150.2        | G                                  |                     |                      | 33                    | 24                   |
| 09607W 2146N                            | 2446-16053        | 00000/0000 2-20022/1790                            | 04/12/76         | 20                  | 6218             | 54.1         | 105.5        | GGGG                               |                     |                      | 26                    | 45                   |
| 09608W 2143N                            | 2464-16050        | 00000/0000 2-20024/1550                            | 04/30/76         | 40                  | 6469             | 57.0         | 95.9         | GGGG                               |                     |                      | 26                    | 45                   |
| 09611W 5140N                            | 2435-16372        | 00000/0000 2-20022/1299                            | 04/01/76         | 10                  | 6065             | 37.8         | 144.2        | GG                                 |                     |                      | 33                    | 24                   |
| 09611W 5134N                            | 2489-16355        | 00000/0000 2-20026/0065                            | 05/25/76         | 10                  | 6818             | 53.2         | 136.2        | GGGG                               |                     |                      | 33                    | 24                   |
| 09613W 2143N                            | 2590-16014        | 00000/0000 2-20032/0644                            | 09/03/76         | 70                  | 8226             | 52.8         | 107.3        | GGGG                               |                     |                      | 26                    | 45                   |
| 09613W 2141N                            | 2428-16061        | 00000/0000 2-20022/0590                            | 03/25/76         | 20                  | 5967             | 49.8         | 114.3        | GGGG                               |                     |                      | 26                    | 45                   |
| 09614W 6657N                            | 2461-17175        | 00000/0000 2-20024/0492                            | 04/27/76         | 90                  | 6428             | 36.0         | 160.7        | GGGG                               |                     |                      | 41                    | 13                   |
| 09614W 5137N                            | 2417-16375        | 00000/0000 2-20021/1582                            | 03/14/76         | 0                   | 5814             | 30.8         | 145.8        | GGGG                               |                     |                      | 33                    | 24                   |
| 09615W 5137N                            | 2615-16322        | 00000/0000 2-20034/0103                            | 09/28/76         | 0                   | 8575             | 31.9         | 149.3        | GGGG                               |                     |                      | 33                    | 24                   |
| 09615W 5134N                            | 2543-16342        | 00000/0000 2-20028/1836                            | 07/18/76         | 30                  | 7571             | 51.9         | 132.7        | FFFF                               |                     |                      | 33                    | 24                   |
| 09615W 2137N                            | 2410-16064        | 00000/0000 2-20021/1293                            | 03/07/76         | 20                  | 5716             | 44.8         | 121.8        | GGFG                               |                     |                      | 26                    | 45                   |
| 09617W 5132N                            | 2525-16350        | 00000/0000 2-20028/0471                            | 06/30/76         | 20                  | 7320             | 54.2         | 131.7        | GGGG                               |                     |                      | 33                    | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRIGHT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09617W 2137N                            | 2392 6071         | 00000/0000 2-20020/1689                            | 02/18/76         | 30                  | 5465             | 40.0         | 128.2        | GFGG                               |                     |                      | 26                    | 45                   |
| 09617W 2137N                            | 2608 6011         | 00000/0000 2-20032/1633                            | 09/21/76         | 80                  | 8477             | 50.6         | 117.9        | GGGG                               |                     |                      | 26                    | 45                   |
| 09618W 5132N                            | 2669 6302         | 00000/0000 2-20036/1139                            | 11/21/76         | 100                 | 9328             | 15.1         | 155.6        | FGGG                               |                     |                      | 33                    | 24                   |
| 09620W 6657N                            | 2443-17182        | 00000/0000 2-20022/1733                            | 04/09/76         | 0                   | 6177             | 29.8         | 160.7        | GGGG                               |                     |                      | 41                    | 13                   |
| 09622W 6653N                            | 2569-17150        | 00000/0000 2-20030/1284                            | 08/13/76         | 90                  | 7934             | 36.1         | 157.5        | GGGG                               |                     |                      | 41                    | 13                   |
| 09623W 6657N                            | 2537-17143        | 00000/0000 2-20032/0650                            | 08/31/76         | 30                  | 8185             | 30.3         | 159.7        | GGGG                               |                     |                      | 41                    | 13                   |
| 09624W 6652N                            | 2479-17172        | 00000/0000 2-20025/0630                            | 05/15/76         | 50                  | 6679             | 41.1         | 159.9        | FGGG                               |                     |                      | 41                    | 13                   |
| 09625W 5110N                            | 2507-16353        | 00000/0000 2-20026/1352                            | 06/12/76         | 90                  | 7069             | 54.9         | 132.6        | GGGG                               |                     |                      | 33                    | 24                   |
| 09627W 6652N                            | 2605-17140        | 00000/0000 2-20032/1505                            | 09/18/76         | 90                  | 8436             | 23.8         | 162.1        | GFGG                               |                     |                      | 41                    | 13                   |
| 09627W 6654N                            | 2442-17130        | 00000/0000 2-20022/1387                            | 04/08/76         | 20                  | 6163             | 30.5         | 158.8        | GGGG                               |                     |                      | 40                    | 14                   |
| 09628W 2020N                            | 2446-16060        | 00000/0000 2-20022/1791                            | 04/12/76         | 40                  | 6218             | 54.2         | 103.4        | GGGG                               |                     |                      | 26                    | 46                   |
| 09629W 6532N                            | 2568-17094        | 00000/0000 2-20030/1274                            | 08/12/76         | 40                  | 7920             | 37.5         | 155.2        | GGGG                               |                     |                      | 40                    | 14                   |
| 09630W 2017N                            | 2464-16053        | 00000/0000 2-20024/1551                            | 04/30/76         | 30                  | 6469             | 56.9         | 93.6         | GGGG                               |                     |                      | 26                    | 46                   |
| 09634W 6646N                            | 2497-17170        | 00000/0000 2-20026/0575                            | 05/02/76         | 80                  | 6930             | 44.3         | 158.3        | GGGG                               |                     |                      | 41                    | 13                   |
| 09635W 6523N                            | 2496-17114        | 00000/0000 2-20026/0546                            | 06/01/76         | 80                  | 6916             | 45.2         | 156.1        | GGGG                               |                     |                      | 40                    | 14                   |
| 09635W 5829N                            | 2366-16542        | 00000/0000 2-20020/0154                            | 01/23/76         | 90                  | 5103             | 9.1          | 159.4        | GFGG                               |                     |                      | 36                    | 19                   |
| 09635W 2016N                            | 2590-16020        | 00000/0000 2-20032/0645                            | 09/03/76         | 60                  | 8226             | 53.0         | 105.3        | FGGG                               |                     |                      | 26                    | 46                   |
| 09635W 2015N                            | 2428-16063        | 00000/0000 2-20022/0591                            | 03/25/76         | 20                  | 5967             | 50.1         | 112.5        | GGGG                               |                     |                      | 26                    | 46                   |
| 09637W 6641N                            | 2533-17160        | 00000/0000 2-20028/0970                            | 07/08/76         | 90                  | 7432             | 44.1         | 155.6        | GGGG                               |                     |                      | 41                    | 13                   |
| 09637W 2011N                            | 2410-16071        | 00000/0000 2-20021/1294                            | 03/07/76         | 40                  | 5716             | 45.3         | 120.3        | GGGG                               |                     |                      | 26                    | 46                   |
| 09638W 6642N                            | 2623-17132        | 00000/0000 2-20034/0453                            | 10/06/76         | 100                 | 8687             | 17.1         | 164.2        | GGGG                               |                     |                      | 41                    | 13                   |
| 09638W 6522N                            | 2550-17101        | 00000/0000 2-20030/0115                            | 07/25/76         | 10                  | 7669             | 42.2         | 153.6        | GGGG                               |                     |                      | 40                    | 14                   |
| 09639W 2011N                            | 2392-16074        | 00000/0000 2-20020/1690                            | 02/18/76         | 40                  | 5465             | 40.7         | 127.1        | GFGG                               |                     |                      | 26                    | 46                   |
| 09639W 2010N                            | 2608-16013        | 00000/0000 2-20032/1634                            | 09/21/76         | 50                  | 8477             | 51.0         | 116.1        | GGGG                               |                     |                      | 26                    | 46                   |
| 09640W 6638N                            | 2641-17125        | 00000/0000 2-20034/1145                            | 10/24/76         | 90                  | 8938             | 10.7         | 165.6        | GGGG                               |                     |                      | 41                    | 13                   |
| 09642W 6519N                            | 2640-17073        | 00000/0000 2-20034/0958                            | 10/23/76         | 70                  | 8924             | 12.2         | 164.2        | GGGG                               |                     |                      | 40                    | 14                   |
| 09645W 5025N                            | 2453-16371        | 00000/0000 2-20023/0224                            | 04/19/76         | 70                  | 6316             | 45.1         | 140.8        | GGGG                               |                     |                      | 33                    | 25                   |
| 09647W 5023N                            | 2579-16334        | 00000/0000 2-20030/1749                            | 08/23/76         | 0                   | 8073             | 44.2         | 138.6        | GGGG                               |                     |                      | 33                    | 25                   |
| 09648W 5017N                            | 2471-16264        | 00000/0000 2-20024/1789                            | 05/07/76         | 0                   | 6567             | 50.4         | 137.7        | GGGG                               |                     |                      | 33                    | 25                   |
| 09650W 5553N                            | 2599-16430        | 00000/0000 2-20032/1234                            | 09/12/76         | 80                  | 8352             | 34.3         | 149.3        | GGGG                               |                     |                      | 35                    | 21                   |
| 09650W 1853N                            | 2446-16062        | 00000/0000 2-20023/0097                            | 04/12/76         | 20                  | 6218             | 54.3         | 101.3        | G                                  |                     |                      | 26                    | 47                   |
| 09651W 5017N                            | 2597-16332        | 00000/0000 2-20032/1129                            | 09/10/76         | 10                  | 8324             | 38.8         | 143.5        | FGGG                               |                     |                      | 33                    | 25                   |
| 09651W 5016N                            | 2435-16374        | 00000/0000 2-20022/1300                            | 04/01/76         | 0                   | 6065             | 38.7         | 142.9        | GGGG                               |                     |                      | 33                    | 25                   |
| 09651W 1851N                            | 2464-16055        | 00000/0000 2-20024/1220                            | 04/30/76         | 60                  | 6469             | 56.7         | 91.3         | FGGG                               |                     |                      | 26                    | 47                   |
| 09652W 1845N                            | 2482-16053        | 00000/0000 2-20025/0799                            | 05/18/76         | 30                  | 6720             | 57.4         | 82.6         | G GG                               |                     |                      | 26                    | 47                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO.<br>IN ROL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|-----------------------|--------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 09654                       | 5543N | 2365-16492 | 00000/0000        | 2-20020/0160          | 01/22/76           | 100              | 5089                | 11.0            | 153.9        | F F          |                       |                     |                      | 35                    | 21                   |
| 09654                       | 5013N | 2417-16382 | 00000/0000        | 2-20021/1583          | 03/14/76           | 0                | 5814                | 31.7            | 144.7        | GGGG         |                       |                     |                      | 33                    | 25                   |
| 09655                       | 5015N | 2487-16300 | 00000/0000        | 2-20037/0623          | 12/09/76           | 90               | 9579                | 12.9            | 154.2        | FGGG         |                       |                     |                      | 33                    | 25                   |
| 09655                       | 5012N | 2415-16324 | 00000/0000        | 2-20034/0104          | 09/28/76           | 10               | 8575                | 32.9            | 148.2        | GGGG         |                       |                     |                      | 33                    | 25                   |
| 09658                       | 2427N | 2411-16114 | 00000/0000        | 2-20021/1191          | 03/08/76           | 20               | 5730                | 43.9            | 124.2        | GGGG         |                       |                     |                      | 27                    | 43                   |
| 09658                       | 2427N | 2627-16053 | 00000/0000        | 2-20034/0685          | 10/10/76           | 20               | 8742                | 45.6            | 130.7        | FGFF         |                       |                     |                      | 27                    | 43                   |
| 09659                       | 5257N | 2544-16394 | 00000/0000        | 2-20029/0081          | 07/19/76           | 30               | 7585                | 51.1            | 134.8        | GGGG         |                       |                     |                      | 34                    | 23                   |
| 09659                       | 2428N | 2393-16121 | 00000/0000        | 2-20021/0403          | 02/19/76           | 40               | 5479                | 38.8            | 130.2        | FGGG         |                       |                     |                      | 27                    | 43                   |
| 09659                       | 2427N | 2375-16123 | 00000/0000        | 2-20020/0871          | 02/01/76           | 0                | 5228                | 34.8            | 135.3        | GFFG         |                       |                     |                      | 27                    | 43                   |
| 09659                       | 1845N | 2410-16073 | 00000/0000        | 2-20021/1121          | 03/07/76           | 40               | 5716                | 45.8            | 118.9        | GGGG         |                       |                     |                      | 26                    | 47                   |
| 09700                       | 1842N | 2374-16083 | 00000/0000        | 2-20020/0715          | 01/31/76           | 40               | 5214                | 37.9            | 131.7        | GGGG         |                       |                     |                      | 26                    | 47                   |
| 09713                       | 2304N | 2483-16075 | 00000/0000        | 2-20025/0990          | 05/19/76           | 90               | 6734                | 58.4            | 89.2         | GGGG         |                       |                     |                      | 27                    | 44                   |
| 09715                       | 2310N | 2429-16112 | 00000/0000        | 2-20022/0969          | 03/26/76           | 30               | 5981                | 49.7            | 115.6        | GGGG         |                       |                     |                      | 27                    | 44                   |
| 09717                       | 2308N | 2591-16070 | 00000/0000        | 2-20032/0813          | 09/04/76           | 20               | 8240                | 52.5            | 109.9        | GGGG         |                       |                     |                      | 27                    | 44                   |
| 09719                       | 2301N | 2609-16063 | 00000/0000        | 2-20032/1624          | 09/22/76           | 40               | 8491                | 49.9            | 120.2        | GGG          |                       |                     |                      | 27                    | 44                   |
| 09721                       | 2302N | 2393-16123 | 00000/0000        | 2-20021/0404          | 02/19/76           | 40               | 5479                | 39.6            | 129.1        | GGGG         |                       |                     |                      | 27                    | 44                   |
| 09721                       | 2301N | 2411-16120 | 00000/0000        | 2-20021/1192          | 03/08/76           | 10               | 5730                | 44.5            | 122.8        | GGGG         |                       |                     |                      | 27                    | 44                   |
| 09722                       | 2301N | 2375-16130 | 00000/0000        | 2-20020/0872          | 02/01/76           | 10               | 5228                | 35.6            | 134.4        | GFGG         |                       |                     |                      | 27                    | 44                   |
| 09730                       | 5706N | 2366-16544 | 00000/0000        | 2-20020/0155          | 01/23/76           | 90               | 5103                | 10.2            | 154.6        | GFFG         |                       |                     |                      | 36                    | 20                   |
| 09731                       | 5148N | 2454-16423 | 00000/0000        | 2-20023/0280          | 04/20/76           | 30               | 6330                | 44.5            | 142.2        | GGGG         |                       |                     |                      | 34                    | 24                   |
| 09734                       | 5146N | 2580-16390 | 00000/0000        | 2-20030/1792          | 08/24/76           | 20               | 8087                | 43.1            | 140.4        | GGGG         |                       |                     |                      | 34                    | 24                   |
| 09735                       | 5141N | 2472-16420 | 00000/0000        | 2-20025/0020          | 05/08/76           | 10               | 6581                | 49.9            | 139.4        | FGGG         |                       |                     |                      | 34                    | 24                   |
| 09735                       | 2138N | 2483-16102 | 00000/0000        | 2-20025/0991          | 05/19/76           | 70               | 6734                | 58.1            | 86.8         | GGGG         |                       |                     |                      | 27                    | 45                   |
| 09737                       | 5143N | 2598-16383 | 00000/0000        | 2-20032/0846          | 09/11/76           | 0                | 8338                | 37.6            | 145.2        | GGPF         |                       |                     |                      | 34                    | 24                   |
| 09737                       | 2144N | 2429-16115 | 00000/0000        | 2-20022/0970          | 03/26/76           | 40               | 5981                | 50.0            | 113.9        | GGGG         |                       |                     |                      | 27                    | 45                   |
| 09738                       | 5429N | 2599-16433 | 00000/0000        | 2-20032/1235          | 09/12/76           | 90               | 8352                | 35.3            | 148.0        | GGGG         |                       |                     |                      | 35                    | 22                   |
| 09739                       | 2141N | 2591-16072 | 00000/0000        | 2-20032/0814          | 09/04/76           | 30               | 8240                | 52.7            | 107.9        | GGGG         |                       |                     |                      | 27                    | 45                   |
| 09740                       | 5139N | 2616-16380 | 00000/0000        | 2-20034/0230          | 09/29/76           | 0                | 8589                | 31.5            | 149.5        | GGGG         |                       |                     |                      | 34                    | 24                   |
| 09740                       | 5139N | 2688-16352 | 00000/0000        | 2-20037/0633          | 12/10/76           | 0                | 9593                | 11.7            | 154.7        | FGGG         |                       |                     |                      | 34                    | 24                   |
| 09740                       | 5135N | 2490-16413 | 00000/0000        | 2-20026/0281          | 05/26/76           | 80               | 6832                | 53.4            | 136.1        | GGGF         |                       |                     |                      | 34                    | 24                   |
| 09741                       | 5420N | 2365-16495 | 00000/0000        | 2-20020/0176          | 01/22/76           | 90               | 5089                | 12.1            | 153.1        | FP F         |                       |                     |                      | 35                    | 22                   |
| 09741                       | 5129N | 2508-16411 | 00000/0000        | 2-20026/1316          | 06/13/76           | 90               | 7083                | 54.8            | 133.0        | GGGG         |                       |                     |                      | 34                    | 24                   |
| 09742                       | 5133N | 2526-16404 | 00000/0000        | 2-20028/0472          | 07/01/76           | 10               | 7334                | 54.1            | 131.8        | FFFF         |                       |                     |                      | 34                    | 24                   |
| 09742                       | 5133N | 2544-16401 | 00000/0000        | 2-20029/0082          | 07/19/76           | 30               | 7585                | 51.8            | 132.7        | GGGG         |                       |                     |                      | 34                    | 24                   |
| 09742                       | 2135N | 2609-16065 | 00000/0000        | 2-20032/1625          | 09/22/76           | 40               | 8491                | 50.4            | 118.4        | GGG          |                       |                     |                      | 27                    | 45                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... (BLANKS=BAD; NOT AVAILABLE; G=GOOD; P=POOR; F=FAIR)  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED; L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN; H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | BRRIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 09743N                      | 2136N             | 2393-16130            | 00000/0000           | 2-20021/0405     | 02/19/76            | 40              | 5479         | 40.3         | 127.9                 | GGFG                |                      | 27                    | 45                   |
| 09743N                      | 2134N             | 2411-16123            | 00000/0000           | 2-20021/1193     | 03/08/76            | 20              | 5730         | 45.1         | 121.4                 | GGGG                |                      | 27                    | 45                   |
| 09744N                      | 6537N             | 2461-17132            | 00000/0000           | 2-20024/0493     | 04/27/76            | 90              | 6428         | 37.1         | 158.7                 | GGFG                |                      | 41                    | 14                   |
| 09744N                      | 2135N             | 2375-16132            | 00000/0000           | 2-20020/0873     | 02/01/76            | 10              | 5228         | 36.4         | 133.4                 | GGFG                |                      | 27                    | 45                   |
| 09748N                      | 6413N             | 2442-17139            | 00000/0000           | 2-20022/1388     | 04/08/76            | 10              | 6163         | 31.5         | 157.0                 | GGGG                |                      | 40                    | 15                   |
| 09750N                      | 6536N             | 2443-17185            | 00000/0000           | 2-20022/1734     | 04/09/76            | 0               | 6177         | 30.8         | 158.8                 | GGGG                |                      | 41                    | 14                   |
| 09750N                      | 6411N             | 2568-17190            | 00000/0000           | 2-20030/1275     | 08/12/76            | 20              | 7920         | 38.4         | 153.3                 | G                   |                      | 40                    | 15                   |
| 09752N                      | 6533N             | 2569-17152            | 00000/0000           | 2-20030/1285     | 08/13/76            | 60              | 7934         | 37.1         | 155.4                 | PFFF                |                      | 41                    | 14                   |
| 09753N                      | 6536N             | 2587-17145            | 00000/0000           | 2-20032/0651     | 08/31/76            | 10              | 8185         | 31.3         | 157.8                 | GGGG                |                      | 41                    | 14                   |
| 09753N                      | 6532N             | 2479-17175            | 00000/0000           | 2-20025/0631     | 05/15/76            | 90              | 6679         | 42.1         | 157.7                 | GGGG                |                      | 41                    | 14                   |
| 09754N                      | 6403N             | 2406-17144            | 2-20027/0565         | 00000/0000       | 03/03/76            | 80              | 5661         | 17.5         | 156.9                 | G                   |                      | 40                    | 15                   |
| 09756N                      | 6531N             | 2605-17142            | 00000/0000           | 2-20032/1506     | 03/15/76            | 80              | 8436         | 24.9         | 160.4                 | FGGG                |                      | 41                    | 14                   |
| 09756N                      | 6402N             | 2496-17120            | 00000/0000           | 2-20026/0547     | 06/01/76            | 70              | 6916         | 46.2         | 153.9                 | GGGG                |                      | 40                    | 15                   |
| 09757N                      | 6402N             | 2550-17104            | 00000/0000           | 2-20030/0116     | 07/25/76            | 10              | 7669         | 43.1         | 151.4                 | GGGG                |                      | 40                    | 15                   |
| 09759N                      | 2017N             | 2422-16121            | 00000/0000           | 2-20022/0971     | 03/26/76            | 30              | 5981         | 50.4         | 112.1                 | GGGG                |                      | 27                    | 46                   |
| 09801N                      | 2014N             | 2591-16075            | 00000/0000           | 2-20032/0815     | 09/04/76            | 50              | 8240         | 52.9         | 105.9                 | GGGG                |                      | 27                    | 46                   |
| 09802N                      | 6525N             | 2497-17172            | 00000/0000           | 2-20026/0576     | 06/02/76            | 90              | 6930         | 45.3         | 156.0                 | PGGG                |                      | 41                    | 14                   |
| 09802N                      | 6358N             | 2540-17075            | 00000/0000           | 2-20034/0959     | 10/23/76            | 50              | 8924         | 13.3         | 162.8                 | GGGG                |                      | 40                    | 15                   |
| 09804N                      | 2010N             | 2609-16072            | 00000/0000           | 2-20032/1626     | 09/22/76            | 70              | 8491         | 50.9         | 116.6                 | PGFG                |                      | 27                    | 46                   |
| 09805N                      | 6519N             | 2533-17162            | 00000/0000           | 2-20025/0971     | 07/08/76            | 100             | 7432         | 45.1         | 153.3                 | GGGG                |                      | 41                    | 14                   |
| 09805N                      | 2010N             | 2393-16132            | 00000/0000           | 2-20021/0406     | 02/19/76            | 40              | 5479         | 40.9         | 126.7                 | GGGG                |                      | 27                    | 46                   |
| 09805N                      | 2008N             | 2411-16125            | 00000/0000           | 2-20021/1194     | 03/08/76            | 10              | 5730         | 45.6         | 119.9                 | GGGG                |                      | 27                    | 46                   |
| 09806N                      | 6521N             | 2623-17135            | 00000/0000           | 2-20034/0454     | 10/06/76            | 100             | 8687         | 18.3         | 162.6                 | GGGG                |                      | 41                    | 14                   |
| 09807N                      | 2009N             | 2375-16135            | 00000/0000           | 2-20020/0874     | 02/01/76            | 10              | 5228         | 37.2         | 132.4                 | GGGG                |                      | 27                    | 46                   |
| 09809N                      | 6518N             | 2641-17131            | 00000/0000           | 2-20034/1146     | 10/24/76            | 80              | 8938         | 11.8         | 164.2                 | GGGG                |                      | 41                    | 14                   |
| 09811N                      | 5023N             | 2454-16425            | 00000/0000           | 2-20023/0281     | 04/20/76            | 70              | 6330         | 45.4         | 140.6                 | GGGG                |                      | 34                    | 25                   |
| 09811N                      | 5021N             | 2580-16393            | 00000/0000           | 2-20030/1793     | 08/24/76            | 10              | 8087         | 44.0         | 138.8                 | GGGG                |                      | 34                    | 25                   |
| 09814N                      | 2440N             | 2448-16161            | 00000/0000           | 2-20023/0440     | 04/14/76            | 30              | 6246         | 54.1         | 108.8                 | GGGG                |                      | 28                    | 43                   |
| 09815N                      | 2433N             | 2484-16151            | 00000/0000           | 2-20025/0771     | 05/20/76            | 70              | 6748         | 58.7         | 91.4                  | GGGG                |                      | 28                    | 43                   |
| 09816N                      | 5307N             | 2473-16472            | 00000/0000           | 2-20025/0092     | 05/09/76            | 20              | 6595         | 49.2         | 141.1                 | GGG                 |                      | 35                    | 23                   |
| 09816N                      | 5016N             | 2472-16422            | 00000/0000           | 2-20025/0021     | 05/08/76            | 10              | 6581         | 50.7         | 137.5                 | GGGG                |                      | 34                    | 25                   |
| 09817N                      | 5017N             | 2436-16433            | 00000/0000           | 2-20022/1183     | 04/02/76            | 20              | 6079         | 39.0         | 142.8                 | GGGF                |                      | 34                    | 25                   |
| 09817N                      | 2435N             | 2574-16124            | 00000/0000           | 2-20030/1514     | 08/18/76            | 60              | 8003         | 54.1         | 102.3                 | FGGG                |                      | 28                    | 43                   |
| 09818N                      | 5018N             | 2598-16390            | 00000/0000           | 2-20032/0847     | 09/11/76            | 0               | 8338         | 38.5         | 143.8                 | GGFF                |                      | 34                    | 25                   |
| 09818N                      | 5015N             | 2562-16400            | 00000/0000           | 2-20030/0887     | 08/06/76            | 0               | 7836         | 48.7         | 134.1                 | FGGG                |                      | 34                    | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO.,<br>IN REEL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09818W                      | 2435N | 2556-16131 | 00000/0000        | 2-20030/0479          | 07/31/76             | 10               | 7752                | 55.5            | 93.5         |              | GGGG                               |                     |                      | 28                    | 43                   |
| 09819W                      | 5312N | 2581-16442 | 00000/0000        | 2-20030/1781          | 08/25/76             | 100              | 8101                | 41.9            | 142.3        |              | GGGG                               |                     |                      | 35                    | 23                   |
| 09819W                      | 5306N | 2563-16445 | 00000/0000        | 2-20030/0843          | 08/07/76             | 40               | 7850                | 46.9            | 138.0        |              | FGGG                               |                     |                      | 35                    | 23                   |
| 09819W                      | 2435N | 2430-16164 | 00000/0000        | 2-20022/0973          | 03/27/76             | 80               | 5995                | 49.5            | 116.9        |              | GGGG                               |                     |                      | 28                    | 43                   |
| 09820W                      | 5014N | 2688-16354 | 00000/0000        | 2-20037/0634          | 12/10/76             | 0                | 9593                | 12.8            | 154.1        |              | GGGF                               |                     |                      | 34                    | 25                   |
| 09820W                      | 2436N | 2592-16121 | 00000/0000        | 2-20032/0721          | 09/05/76             | 10               | 8254                | 52.1            | 112.5        |              | GGGG                               |                     |                      | 28                    | 43                   |
| 09820W                      | 2428N | 2520-16142 | 00000/0000        | 2-20028/0088          | 06/25/76             | 40               | 7250                | 57.7            | 84.5         |              | GGGG                               |                     |                      | 28                    | 43                   |
| 09820W                      | 1851N | 2429-16124 | 00000/0000        | 2-20022/0972          | 03/26/76             | 10               | 5981                | 50.7            | 110.2        |              | GGGG                               |                     |                      | 27                    | 47                   |
| 09821W                      | 5543N | 2366-16551 | 00000/0000        | 2-20020/0156          | 01/23/76             | 70               | 5103                | 11.2            | 153.8        |              | GGFG                               |                     |                      | 36                    | 21                   |
| 09821W                      | 5014N | 2616-16383 | 00000/0000        | 2-20034/0231          | 09/29/76             | 10               | 8589                | 32.5            | 148.5        |              | GGGG                               |                     |                      | 34                    | 25                   |
| 09821W                      | 2435N | 2718-16073 | 00000/0000        | 2-20038/1103          | 01/09/77             | 90               | 11                  | 30.4            | 138.3        |              | GGFG                               |                     |                      | 28                    | 43                   |
| 09821W                      | 2434N | 2610-16114 | 00000/0000        | 2-20032/1693          | 09/23/76             | 10               | 8505                | 49.2            | 122.5        |              | GGGG                               |                     |                      | 28                    | 43                   |
| 09822W                      | 2432N | 2682-16050 | 00000/0000        | 2-20037/0104          | 12/04/76             | 80               | 9509                | 32.9            | 142.4        |              | GGGG                               |                     |                      | 28                    | 43                   |
| 09823W                      | 5305N | 2599-16435 | 00000/0000        | 2-20032/1236          | 09/12/76             | 100              | 8352                | 36.3            | 146.7        |              | GGGG                               |                     |                      | 35                    | 23                   |
| 09823W                      | 5303N | 2617-16432 | 00000/0000        | 2-20034/0222          | 09/30/76             | 90               | 8603                | 30.1            | 150.9        |              | GGGG                               |                     |                      | 35                    | 23                   |
| 09823W                      | 5258N | 2545-16452 | 00000/0000        | 2-20028/1874          | 07/20/76             | 30               | 7599                | 50.9            | 134.9        |              | GGGG                               |                     |                      | 35                    | 23                   |
| 09823W                      | 2429N | 2646-16103 | 00000/0000        | 2-20035/0262          | 10/29/76             | 100              | 9007                | 40.9            | 137.5        |              | GGGG                               |                     |                      | 28                    | 43                   |
| 09823W                      | 1848N | 2591-16081 | 00000/0000        | 2-20032/0816          | 09/04/76             | 40               | 8240                | 53.1            | 103.8        |              | GGGG                               |                     |                      | 27                    | 47                   |
| 09824W                      | 2429N | 2664-16095 | 00000/0000        | 2-20036/0743          | 11/16/76             | 100              | 9258                | 36.5            | 141.3        |              | GGGG                               |                     |                      | 28                    | 43                   |
| 09824W                      | 2428N | 2412-16172 | 00000/0000        | 2-20021/1378          | 03/09/76             | 80               | 5744                | 44.2            | 123.9        |              | GGFG                               |                     |                      | 28                    | 43                   |
| 09825W                      | 2428N | 2394-16175 | 00000/0000        | 2-20021/0348          | 02/20/76             | 70               | 5493                | 39.1            | 129.9        |              | GGGG                               |                     |                      | 28                    | 43                   |
| 09825W                      | 1843N | 2609-16074 | 00000/0000        | 2-20032/1627          | 09/22/76             | 40               | 8491                | 51.3            | 114.8        |              | GGFG                               |                     |                      | 27                    | 47                   |
| 09826W                      | 5255N | 2365-16501 | 00000/0000        | 2-20020/0198          | 01/22/76             | 100              | 5089                | 13.2            | 152.4        |              | GGGG                               |                     |                      | 35                    | 23                   |
| 09826W                      | 5255N | 2509-16462 | 00000/0000        | 2-20026/1651          | 06/14/76             | 100              | 7097                | 54.1            | 135.1        |              | GGG                                |                     |                      | 35                    | 23                   |
| 09826W                      | 2428N | 2628-16111 | 00000/0000        | 2-20034/0522          | 10/11/76             | 0                | 8756                | 45.4            | 131.1        |              | GGGG                               |                     |                      | 28                    | 43                   |
| 09826W                      | 2424N | 2376-16181 | 00000/0000        | 2-20020/0811          | 02/02/76             | 0                | 5242                | 35.0            | 135.0        |              | GGGG                               |                     |                      | 27                    | 43                   |
| 09837W                      | 2307N | 2484-16154 | 00000/0000        | 2-20025/0772          | 05/20/76             | 30               | 6748                | 58.5            | 88.9         |              | GGGG                               |                     |                      | 28                    | 44                   |
| 09842W                      | 2308N | 2430-16171 | 00000/0000        | 2-20022/0974          | 03/27/76             | 70               | 5995                | 49.9            | 115.2        |              | GGGG                               |                     |                      | 28                    | 44                   |
| 09843W                      | 2310N | 2592-16124 | 00000/0000        | 2-20032/0722          | 09/05/76             | 10               | 8254                | 52.4            | 110.5        |              | GGGG                               |                     |                      | 28                    | 44                   |
| 09844W                      | 2307N | 2610-16121 | 00000/0000        | 2-20032/1694          | 09/23/76             | 20               | 8505                | 49.7            | 120.8        |              | GGGG                               |                     |                      | 28                    | 44                   |
| 09844W                      | 7908S | 2365-12200 | 00000/0000        | 2-20020/0168          | 01/22/76             | 90               | 5086                | 18.2            | 100.4        |              | FFPG                               |                     |                      | 231                   | 118                  |
| 09859W                      | 5142N | 2473-16474 | 00000/0000        | 2-20025/0093          | 05/09/76             | 10               | 6595                | 50.1            | 139.3        |              | FGGG                               |                     |                      | 35                    | 24                   |
| 09900W                      | 2140N | 2484-16160 | 00000/0000        | 2-20025/0773          | 05/20/76             | 40               | 6748                | 58.2            | 86.5         |              | GGGG                               |                     |                      | 28                    | 45                   |
| 09902W                      | 6252N | 2442-17135 | 00000/0000        | 2-20022/1389          | 04/08/76             | 10               | 6163                | 32.5            | 155.4        |              | GGGG                               |                     |                      | 40                    | 16                   |
| 09902W                      | 5147N | 2581-16444 | 00000/0000        | 2-20030/1782          | 08/25/76             | 100              | 8101                | 42.8            | 140.7        |              | GGGG                               |                     |                      | 35                    | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 177

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1344

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09902W 5142N                            | 2563-16452        | 00000/0000                   | 2-20030/0844                | 08/07/76         | 10                  | 7850            | 47.7         | 136.2        | GG G                               |                     |                      | 35                    | 24                   |
| 09903W 6249N                            | 2568-17103        | 00000/0000                   | 2-20030/1276                | 08/12/76         | 10                  | 7920            | 39.4         | 151.4        | GGFG                               |                     |                      | 40                    | 16                   |
| 09903W 5144N                            | 2725-16393        | 00000/0000                   | 2-20038/1464                | 01/16/77         | 10                  | 109             | 12.3         | 150.0        | GGGF                               |                     |                      | 35                    | 24                   |
| 09905W 2143N                            | 2592-16130        | 00000/0000                   | 2-20032/0723                | 09/05/76         | 20                  | 8254            | 52.6         | 108.5        | GGGG                               |                     |                      | 28                    | 45                   |
| 09905W 2141N                            | 2430-16173        | 00000/0000                   | 2-20022/0975                | 03/27/76         | 60                  | 5995            | 50.3         | 113.4        | GGGG                               |                     |                      | 28                    | 45                   |
| 09906W 5140N                            | 2599-16442        | 00000/0000                   | 2-20032/1237                | 09/12/76         | 100                 | 8352            | 37.3         | 145.4        | GGGG                               |                     |                      | 35                    | 24                   |
| 09906W 5138N                            | 2617-16434        | 00000/0000                   | 2-20034/0223                | 09/30/76         | 30                  | 8603            | 31.2         | 149.8        | GGGG                               |                     |                      | 35                    | 24                   |
| 09906W 5134N                            | 2545-16455        | 00000/0000                   | 2-20028/1875                | 07/20/76         | 10                  | 7599            | 51.6         | 132.9        | GGGG                               |                     |                      | 35                    | 24                   |
| 09906W 2141N                            | 2610-16123        | 00000/0000                   | 2-20032/1695                | 09/23/76         | 30                  | 8505            | 50.2         | 119.1        | GGGG                               |                     |                      | 28                    | 45                   |
| 09907W 6416N                            | 2461-17184        | 00000/0000                   | 2-20024/0494                | 04/27/76         | 100                 | 6428            | 38.1         | 156.7        | GGGG                               |                     |                      | 41                    | 15                   |
| 09907W 5131N                            | 2527-16462        | 00000/0000                   | 2-20028/0583                | 07/02/76         | 10                  | 7348            | 54.0         | 131.7        | FGGG                               |                     |                      | 35                    | 24                   |
| 09908W 6242N                            | 2406-17150        | 2-20027/0566                 | 00000/0000                  | 03/03/76         | 90                  | 5661            | 18.5         | 155.6        | GFGG                               |                     |                      | 40                    | 16                   |
| 09908W 5130N                            | 2509-16465        | 00000/0000                   | 2-20024/1652                | 06/14/76         | 90                  | 7097            | 54.8         | 132.9        | GGGG                               |                     |                      | 35                    | 24                   |
| 09909W 5130N                            | 2365-16504        | 00000/0000                   | 2-20020/0199                | 01/22/76         | 100                 | 5089            | 14.3         | 151.7        | GGGG                               |                     |                      | 35                    | 24                   |
| 09910W 6241N                            | 2496-17123        | 00000/0000                   | 2-20026/0548                | 06/01/76         | 10                  | 6916            | 47.2         | 151.7        | GGGG                               |                     |                      | 40                    | 16                   |
| 09910W 5419N                            | 2366-16553        | 00000/0000                   | 2-20020/0157                | 01/23/76         | 60                  | 5103            | 12.3         | 153.0        | FFFG                               |                     |                      | 36                    | 22                   |
| 09911W 6415N                            | 2443-17191        | 00000/0000                   | 2-20022/1735                | 04/09/76         | 10                  | 6177            | 31.9         | 157.0        | GGGG                               |                     |                      | 41                    | 15                   |
| 09911W 6240N                            | 2550-17110        | 00000/0000                   | 2-20030/0117                | 07/25/76         | 10                  | 7669            | 44.1         | 149.4        | GGGG                               |                     |                      | 40                    | 16                   |
| 09913W 6412N                            | 2569-17155        | 00000/0000                   | 2-20030/1286                | 08/13/76         | 40                  | 7934            | 38.1         | 153.4        | GGGG                               |                     |                      | 41                    | 15                   |
| 09914W 6410N                            | 2479-17181        | 00000/0000                   | 2-20025/0632                | 05/15/76         | 90                  | 6679            | 43.1         | 155.6        | GGGG                               |                     |                      | 41                    | 15                   |
| 09915W 6416N                            | 2587-17152        | 00000/0000                   | 2-20032/0652                | 08/31/76         | 30                  | 8185            | 32.3         | 156.1        | GGGG                               |                     |                      | 41                    | 15                   |
| 09915W 6236N                            | 2640-17082        | 00000/0000                   | 2-20034/0960                | 10/23/76         | 90                  | 8924            | 14.5         | 161.6        | GGGG                               |                     |                      | 40                    | 16                   |
| 09916W 5118N                            | 2383-16502        | 00000/0000                   | 2-20020/1240                | 02/09/76         | 0                   | 5340            | 18.9         | 149.1        | GGGG                               |                     |                      | 35                    | 24                   |
| 09918W 6410N                            | 2605-17145        | 00000/0000                   | 2-20032/1507                | 09/18/76         | 10                  | 8436            | 25.9         | 158.8        | FGGG                               |                     |                      | 41                    | 15                   |
| 09922W 6404N                            | 2497-17175        | 00000/0000                   | 2-20026/0577                | 06/02/76         | 90                  | 6930            | 46.3         | 153.8        | PGGG                               |                     |                      | 41                    | 15                   |
| 09922W 2014N                            | 2484-16163        | 00000/0000                   | 2-20025/0774                | 05/20/76         | 30                  | 6748            | 57.8         | 84.1         | GGGG                               |                     |                      | 28                    | 46                   |
| 09924W 6400N                            | 2533-17165        | 00000/0000                   | 2-20028/0972                | 07/08/76         | 90                  | 7432            | 46.1         | 151.1        | GGGG                               |                     |                      | 41                    | 15                   |
| 09927W 6400N                            | 2623-17141        | 00000/0000                   | 2-20034/0455                | 10/06/76         | 70                  | 8687            | 19.4         | 161.2        | GGGG                               |                     |                      | 41                    | 15                   |
| 09927W 2016N                            | 2592-16133        | 00000/0000                   | 2-20032/0724                | 09/05/76         | 10                  | 8254            | 52.8         | 106.5        | GGGG                               |                     |                      | 28                    | 46                   |
| 09927W 2015N                            | 2430-16180        | 00000/0000                   | 2-20022/0976                | 03/27/76         | 10                  | 5995            | 50.6         | 111.5        | GGGG                               |                     |                      | 28                    | 46                   |
| 09928W 5828N                            | 2368-17054        | 00000/0000                   | 2-20020/0177                | 01/25/76         | 50                  | 5131            | 9.6          | 155.2        | GGFG                               |                     |                      | 38                    | 19                   |
| 09928W 2015N                            | 2610-16130        | 00000/0000                   | 2-20032/1696                | 09/23/76         | 20                  | 8505            | 50.7         | 117.3        | GGGG                               |                     |                      | 28                    | 46                   |
| 09929W 6357N                            | 2641-17134        | 00000/0000                   | 2-20034/1147                | 10/24/76         | 70                  | 8938            | 13.0         | 162.9        | GGGG                               |                     |                      | 41                    | 15                   |
| 09939W 5021N                            | 2455-16484        | 00000/0000                   | 2-20023/0282                | 04/21/76         | 30                  | 6344            | 45.8         | 140.4        | GGGG                               |                     |                      | 35                    | 25                   |
| 09940W 5018N                            | 2473-16481        | 00000/0000                   | 2-20025/0094                | 05/09/76         | 40                  | 6595            | 50.9         | 137.3        | FGGG                               |                     |                      | 35                    | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN RBLI<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 09941W 2436N                            | 2467-16212        | 00000/0000 2-20024/1377                            | 05/03/76         | 30                  | 6511            | 57.4         | 99.2         |                                    |                     |                      |                       |                      |
| 09942W 5023N                            | 2581-16451        | 00000/0000 2-20030/1783                            | 05/25/76         | 100                 | 8101            | 43.7         | 139.2        | GGGG                               |                     |                      | 29                    | 43                   |
| 09942W 5018N                            | 2437-16491        | 00000/0000 2-20022/1292                            | 04/03/76         | 0                   | 6093            | 39.4         | 142.7        | GGGG                               |                     |                      | 35                    | 25                   |
| 09942W 5017N                            | 2563-16454        | 00000/0000 2-20030/0845                            | 08/07/76         | 0                   | 7850            | 48.5         | 134.3        | GGGG                               |                     |                      | 35                    | 25                   |
| 09942W 2437N                            | 2449-16215        | 00000/0000 2-20023/0221                            | 04/15/76         | 80                  | 6260            | 54.4         | 108.2        | GGGG                               |                     |                      | 29                    | 43                   |
| 09943W 5013N                            | 2419-16494        | 00000/0000 2-20021/1703                            | 03/16/76         | 0                   | 5842            | 32.5         | 144.5        | GGGG                               |                     |                      | 35                    | 25                   |
| 09944W 5019N                            | 2725-16400        | 00000/0000 2-20038/1465                            | 01/16/77         | 10                  | 109             | 13.3         | 149.3        | GGGG                               |                     |                      | 35                    | 25                   |
| 09944W 2438N                            | 2575-16182        | 00000/0000 2-20030/1451                            | 08/19/76         | 90                  | 8017            | 54.0         | 102.9        | FFFG                               |                     |                      | 29                    | 43                   |
| 09944W 2437N                            | 2431-16222        | 00000/0000 2-20022/0832                            | 03/28/76         | 20                  | 6009            | 49.8         | 116.5        | GGGG                               |                     |                      | 29                    | 43                   |
| 09944W 2433N                            | 2557-16190        | 00000/0000 2-20030/0541                            | 08/01/76         | 10                  | 7766            | 55.4         | 93.9         | GGGG                               |                     |                      | 29                    | 43                   |
| 09944W 2432N                            | 2485-16205        | 00000/0000 2-20025/1249                            | 05/21/76         | 50                  | 6762            | 58.7         | 91.0         | GGGG                               |                     |                      | 29                    | 43                   |
| 09944W 1847N                            | 2484-16165        | 00000/0000 2-20025/0775                            | 05/20/76         | 30                  | 6748            | 57.4         | 81.9         | GGGG                               |                     |                      | 28                    | 47                   |
| 09946W 5015N                            | 2599-16444        | 00000/0000 2-20032/1238                            | 09/12/76         | 80                  | 8352            | 38.2         | 144.1        | GGGG                               |                     |                      | 35                    | 25                   |
| 09946W 5014N                            | 2617-16441        | 00000/0000 2-20034/0224                            | 09/30/76         | 20                  | 8603            | 32.2         | 148.7        | GGGG                               |                     |                      | 35                    | 25                   |
| 09946W 2436N                            | 2701-16140        | 00000/0000 2-20037/1274                            | 12/23/76         | 90                  | 9774            | 30.6         | 141.1        | GGGG                               |                     |                      | 29                    | 43                   |
| 09946W 2435N                            | 2593-16180        | 00000/0000 2-20032/0867                            | 09/06/76         | 10                  | 8268            | 51.9         | 113.0        | GGGG                               |                     |                      | 29                    | 43                   |
| 09946W 2431N                            | 2539-16193        | 00000/0000 2-20028/1442                            | 07/14/76         | 70                  | 7515            | 56.6         | 87.5         | GGGG                               |                     |                      | 29                    | 43                   |
| 09946W 2427N                            | 2503-16203        | 00000/0000 2-20026/1023                            | 06/08/76         | 40                  | 7013            | 58.6         | 85.7         | GGGG                               |                     |                      | 29                    | 43                   |
| 09947W 5013N                            | 2689-16412        | 00000/0000 2-20037/0470                            | 12/11/76         | 20                  | 9607            | 12.7         | 154.0        | GGGG                               |                     |                      | 35                    | 25                   |
| 09947W 2432N                            | 2683-16144        | 00000/0000 2-20037/0257                            | 12/05/76         | 70                  | 9523            | 32.7         | 142.4        | GGGG                               |                     |                      | 29                    | 43                   |
| 09947W 2428N                            | 2521-16200        | 00000/0000 2-20027/0448                            | 06/25/76         | 40                  | 7264            | 57.7         | 84.5         | GGGG                               |                     |                      | 29                    | 43                   |
| 09948W 5303N                            | 2564-16503        | 00000/0000 2-20030/1058                            | 08/08/76         | 80                  | 7864            | 46.7         | 138.2        | GGGG                               |                     |                      | 36                    | 23                   |
| 09948W 1848N                            | 2430-16182        | 00000/0000 2-20022/0977                            | 03/27/76         | 10                  | 5995            | 50.9         | 109.7        | GGGG                               |                     |                      | 28                    | 47                   |
| 09949W 5303N                            | 2600-16493        | 00000/0000 2-20032/1184                            | 09/13/76         | 80                  | 8366            | 36.0         | 146.9        | GGGG                               |                     |                      | 36                    | 23                   |
| 09949W 1849N                            | 2592-16135        | 00000/0000 2-20032/0725                            | 09/05/76         | 10                  | 8254            | 53.0         | 104.5        | GGGG                               |                     |                      | 28                    | 47                   |
| 09949W 1848N                            | 2610-16132        | 00000/0000 2-20032/1697                            | 09/23/76         | 30                  | 8505            | 51.1         | 115.5        | GGGF                               |                     |                      | 28                    | 47                   |
| 09950W 2432N                            | 2611-16172        | 00000/0000 2-20032/1749                            | 09/24/76         | 40                  | 8519            | 49.0         | 123.0        | GGGG                               |                     |                      | 29                    | 43                   |
| 09950W 2429N                            | 2665-16153        | 00000/0000 2-20034/1378                            | 11/17/76         | 90                  | 9272            | 36.3         | 141.4        | GGGG                               |                     |                      | 29                    | 43                   |
| 09950W 2428N                            | 2413-16230        | 00000/0000 2-20021/1431                            | 03/10/76         | 70                  | 5753            | 44.5         | 129.5        | GGGG                               |                     |                      | 29                    | 43                   |
| 09951W 2430N                            | 2395-16233        | 00000/0000 2-20021/0356                            | 02/21/76         | 0                   | 5507            | 39.3         | 129.6        | GGGG                               |                     |                      | 29                    | 43                   |
| 09951W 2429N                            | 2647-16161        | 00000/0000 2-20035/0312                            | 10/30/76         | 10                  | 9021            | 40.7         | 137.8        | GGGG                               |                     |                      | 29                    | 43                   |
| 09951W 2426N                            | 2629-16165        | 00000/0000 2-20034/0736                            | 10/12/76         | 50                  | 8770            | 45.2         | 131.5        | GGGG                               |                     |                      | 29                    | 43                   |
| 09952W 2425N                            | 2377-16240        | 00000/0000 2-20020/0941                            | 02/03/76         | 0                   | 5256            | 35.2         | 134.8        | GGGG                               |                     |                      | 29                    | 43                   |
| 09955W 5255N                            | 2366-16560        | 00000/0000 2-20020/0158                            | 01/23/76         | 50                  | 5103            | 13.4         | 152.3        | FFFG                               |                     |                      | 36                    | 23                   |
| 10006W 2311N                            | 2431-16225        | 00000/0000 2-20022/0833                            | 03/28/76         | 10                  | 6009            | 50.2         | 114.7        | GGGG                               |                     |                      | 29                    | 44                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=UNCOMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RBLI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10006W 2306N                            | 2485-16212        | 00000/0000                   | 2-20025/1250                | 05/21/76         | 20                  | 6762            | 58.5         | 88.5         | GGGG                               |                     |                      | 29                    | 44                   |
| 10009W 2308N                            | 2593-16182        | 00000/0000                   | 2-20032/0868                | 09/06/76         | 10                  | 8268            | 52.3         | 111.1        | GGGG                               |                     |                      | 29                    | 44                   |
| 10010W 6129N                            | 2442-17142        | 00000/0000                   | 2-20022/1390                | 04/08/76         | 20                  | 6163            | 33.6         | 153.8        | GGGG                               |                     |                      | 40                    | 17                   |
| 10010W 1722N                            | 2610-16135        | 00000/0000                   | 2-20032/1698                | 09/23/76         | 30                  | 8505            | 51.5         | 113.7        | GGGG                               |                     |                      | 28                    | 48                   |
| 10010W 1721N                            | 2430-16185        | 00000/0000                   | 2-20022/0978                | 03/27/76         | 10                  | 5995            | 51.2         | 107.8        | GGGG                               |                     |                      | 28                    | 48                   |
| 10011W 1723N                            | 2592-16142        | 00000/0000                   | 2-20032/0726                | 09/05/76         | 30                  | 8254            | 53.1         | 102.5        | FGFG                               |                     |                      | 28                    | 48                   |
| 10012W 6127N                            | 2568-17105        | 00000/0000                   | 2-20030/1277                | 08/12/76         | 10                  | 7920            | 40.4         | 149.5        | GGGG                               |                     |                      | 40                    | 17                   |
| 10012W 2305N                            | 2611-16175        | 00000/0000                   | 2-20032/1750                | 09/24/76         | 50                  | 8519            | 49.6         | 121.4        | GGGG                               |                     |                      | 29                    | 44                   |
| 10017W 6120N                            | 2406-17153        | 2-20027/0567                 | 00000/0000                  | 03/03/76         | 50                  | 5661            | 19.5         | 154.3        | FF                                 |                     |                      | 40                    | 17                   |
| 10017W 6118N                            | 2496-17125        | 00000/0000                   | 2-20026/0549                | 06/01/76         | 20                  | 6916            | 48.2         | 149.6        | GGGG                               |                     |                      | 40                    | 17                   |
| 10018W 6118N                            | 2550-17113        | 00000/0000                   | 2-20030/0118                | 07/25/76         | 60                  | 7669            | 45.0         | 147.4        | GGGG                               |                     |                      | 40                    | 17                   |
| 10022W 6254N                            | 2461-17191        | 00000/0000                   | 2-20024/0495                | 04/27/76         | 100                 | 6428            | 39.2         | 154.9        | GGGG                               |                     |                      | 41                    | 16                   |
| 10022W 5705N                            | 2368-17061        | 00000/0000                   | 2-20020/0178                | 01/25/76         | 0                   | 5131            | 10.6         | 154.3        | FGFG                               |                     |                      | 38                    | 20                   |
| 10024W 6253N                            | 2443-17194        | 00000/0000                   | 2-20022/1736                | 04/09/76         | 0                   | 6177            | 32.3         | 155.4        | FGGG                               |                     |                      | 41                    | 16                   |
| 10027W 6250N                            | 2569-17161        | 00000/0000                   | 2-20030/1287                | 08/13/76         | 10                  | 7934            | 39.1         | 151.6        | FFGG                               |                     |                      | 41                    | 16                   |
| 10027W 5141N                            | 2474-16532        | 00000/0000                   | 2-20025/0230                | 05/10/76         | 10                  | 6609            | 50.3         | 139.1        | GGGG                               |                     |                      | 36                    | 24                   |
| 10028W 6248N                            | 2479-17184        | 00000/0000                   | 2-20025/0633                | 05/15/76         | 90                  | 6679            | 44.1         | 153.6        | GGGG                               |                     |                      | 41                    | 16                   |
| 10028W 2139N                            | 2485-16214        | 00000/0000                   | 2-20025/1247                | 05/21/76         | 10                  | 6762            | 58.2         | 86.1         | G                                  |                     |                      | 29                    | 45                   |
| 10029W 6254N                            | 2537-17154        | 00000/0000                   | 2-20032/0653                | 08/31/76         | 30                  | 8185            | 33.4         | 154.4        | GGGG                               |                     |                      | 41                    | 16                   |
| 10029W 5146N                            | 2582-16503        | 00000/0000                   | 2-20032/0131                | 08/26/76         | 80                  | 8115            | 42.5         | 140.9        | GGGG                               |                     |                      | 36                    | 24                   |
| 10029W 2144N                            | 2431-16231        | 00000/0000                   | 2-20022/0834                | 03/28/76         | 10                  | 6009            | 50.6         | 112.9        | GGGG                               |                     |                      | 29                    | 45                   |
| 10030W 5138N                            | 2564-16510        | 00000/0000                   | 2-20030/1059                | 08/08/76         | 50                  | 7864            | 47.5         | 136.4        | GGGG                               |                     |                      | 36                    | 24                   |
| 10031W 5138N                            | 2600-16500        | 00000/0000                   | 2-20032/1185                | 09/13/76         | 90                  | 8366            | 37.0         | 145.6        | GGGG                               |                     |                      | 36                    | 24                   |
| 10031W 5133N                            | 2492-16530        | 00000/0000                   | 2-20026/0330                | 05/28/76         | 10                  | 6860            | 53.6         | 135.6        | GGGG                               |                     |                      | 36                    | 24                   |
| 10032W 5133N                            | 2528-16520        | 00000/0000                   | 2-20028/1467                | 07/03/76         | 20                  | 7362            | 53.9         | 131.7        | GGGG                               |                     |                      | 36                    | 24                   |
| 10032W 2142N                            | 2593-16185        | 00000/0000                   | 2-20032/0869                | 09/06/76         | 70                  | 8268            | 52.5         | 109.1        | GGGG                               |                     |                      | 29                    | 45                   |
| 10033W 6248N                            | 2605-17151        | 00000/0000                   | 2-20032/1508                | 09/18/76         | 10                  | 8436            | 27.0         | 157.3        | FGGG                               |                     |                      | 41                    | 16                   |
| 10033W 5136N                            | 2618-16493        | 00000/0000                   | 2-20034/0327                | 10/01/76         | 80                  | 8617            | 30.9         | 150.0        | GGGG                               |                     |                      | 36                    | 24                   |
| 10033W 5131N                            | 2546-16513        | 00000/0000                   | 2-20030/0277                | 07/21/76         | 20                  | 7613            | 51.4         | 133.0        | GGG                                |                     |                      | 36                    | 24                   |
| 10034W 2139N                            | 2611-16181        | 00000/0000                   | 2-20032/1751                | 09/24/76         | 40                  | 8519            | 50.1         | 119.6        | GGGG                               |                     |                      | 29                    | 45                   |
| 10036W 6242N                            | 2497-17181        | 00000/0000                   | 2-20026/0578                | 06/02/76         | 60                  | 6930            | 47.3         | 151.7        | FFGG                               |                     |                      | 41                    | 16                   |
| 10036W 6239N                            | 2533-17171        | 00000/0000                   | 2-20028/0973                | 07/08/76         | 90                  | 7432            | 47.0         | 148.9        | GGGG                               |                     |                      | 41                    | 16                   |
| 10036W 5131N                            | 2366-16562        | 00000/0000                   | 2-20020/0159                | 01/23/76         | 80                  | 5103            | 14.4         | 151.5        | FFFG                               |                     |                      | 36                    | 24                   |
| 10037W 5133N                            | 2672-16473        | 00000/0000                   | 2-20034/1209                | 11/24/76         | 80                  | 9370            | 14.4         | 155.6        | GGGG                               |                     |                      | 36                    | 24                   |
| 10040W 6238N                            | 2623-17144        | 00000/0000                   | 2-20034/0456                | 10/06/76         | 40                  | 8687            | 20.5         | 159.9        | GGGG                               |                     |                      | 41                    | 16                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... PLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>- POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|--------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10042W 6235N                            | 2641-17140        | 00000/0000                     | 2-20034/1148                | 10/24/76         | 50                  | 8938            | 14.1         | 161.7        | GGGG                               |                     |                      | 41                    | 16                   |
| 10049W 5834N                            | 2477-17083        | 2-20027/0629                   | 00000/0000                  | 05/13/76         | 10                  | 6651            | 46.7         | 147.9        | FFG                                |                     |                      | 39                    | 19                   |
| 10050W 2017N                            | 2431-16234        | 00000/0000                     | 2-20022/0835                | 03/28/76         | 0                   | 6009            | 50.9         | 111.1        | GGGG                               |                     |                      | 29                    | 46                   |
| 10050W 2011N                            | 2485-16221        | 00000/0000                     | 2-20025/1248                | 05/21/76         | 20                  | 6762            | 57.8         | 83.7         | G                                  |                     |                      | 29                    | 46                   |
| 10053W 5832N                            | 2405-17104        | 2-20027/0534                   | 00000/0000                  | 03/02/76         | 10                  | 5647            | 21.2         | 152.0        | GGG                                |                     |                      | 39                    | 19                   |
| 10054W 2015N                            | 2593-16191        | 00000/0000                     | 2-20032/0870                | 09/06/76         | 40                  | 8268            | 52.7         | 107.1        | GGGG                               |                     |                      | 29                    | 46                   |
| 10056W 2013N                            | 2611-16184        | 00000/0000                     | 2-20032/1752                | 09/24/76         | 60                  | 8519            | 50.6         | 117.9        | GGGG                               |                     |                      | 29                    | 46                   |
| 10105W 5020N                            | 2456-16542        | 00000/0000                     | 2-20024/0370                | 04/22/76         | 60                  | 6358            | 46.1         | 140.2        | GG                                 |                     |                      | 36                    | 25                   |
| 10107W 5019N                            | 2438-16545        | 00000/0000                     | 2-20022/1323                | 04/04/76         | 0                   | 6107            | 39.8         | 142.6        | GGGF                               |                     |                      | 36                    | 25                   |
| 10108W 5016N                            | 2474-16535        | 00000/0000                     | 2-20025/0231                | 05/10/76         | 10                  | 6609            | 51.1         | 137.1        | GGGG                               |                     |                      | 36                    | 25                   |
| 10109W 5021N                            | 2552-16505        | 00000/0000                     | 2-20032/0132                | 08/26/76         | 50                  | 8115            | 43.4         | 139.4        | GGGG                               |                     |                      | 36                    | 25                   |
| 10109W 2432N                            | 2486-16264        | 00000/0000                     | 2-20025/1240                | 05/22/76         | 10                  | 6776            | 58.8         | 90.6         | GGGG                               |                     |                      | 30                    | 43                   |
| 10110W 5019N                            | 2708-16462        | 00000/0000                     | 2-20034/0407                | 12/30/76         | 90                  | 9872            | 11.8         | 151.8        | GGGG                               |                     |                      | 36                    | 25                   |
| 10110W 5014N                            | 2564-16512        | 00000/0000                     | 2-20030/1060                | 08/08/76         | 60                  | 7864            | 48.2         | 134.5        | GGGG                               |                     |                      | 36                    | 25                   |
| 10111W 5019N                            | 2726-16454        | 00000/0000                     | 2-20038/1569                | 01/17/77         | 0                   | 123             | 13.5         | 149.1        | GGGG                               |                     |                      | 36                    | 25                   |
| 10111W 5014N                            | 2600-16502        | 00000/0000                     | 2-20032/1186                | 09/13/76         | 90                  | 8366            | 37.9         | 144.3        | GGGG                               |                     |                      | 36                    | 25                   |
| 10111W 1845N                            | 2485-16223        | 00000/0000                     | 2-20025/1251                | 05/21/76         | 10                  | 6762            | 57.4         | 81.5         | GGGG                               |                     |                      | 29                    | 47                   |
| 10112W 5012N                            | 2420-16553        | 00000/0000                     | 2-20022/0170                | 03/17/76         | 90                  | 5856            | 32.9         | 144.4        | GGGG                               |                     |                      | 36                    | 25                   |
| 10112W 1850N                            | 2431-16240        | 00000/0000                     | 2-20022/0836                | 03/28/76         | 0                   | 6009            | 51.2         | 109.2        | GGGG                               |                     |                      | 29                    | 47                   |
| 10113W 6006N                            | 2442-17144        | 00000/0000                     | 2-20022/1391                | 04/08/76         | 90                  | 6163            | 34.6         | 152.2        | GGGG                               |                     |                      | 40                    | 18                   |
| 10113W 5011N                            | 2618-16495        | 00000/0000                     | 2-20034/0328                | 10/01/76         | 60                  | 8617            | 31.9         | 148.9        | GGGG                               |                     |                      | 36                    | 25                   |
| 10113W 2435N                            | 2594-16234        | 00000/0000                     | 2-20032/0921                | 09/07/76         | 10                  | 8282            | 51.8         | 113.6        | GGGG                               |                     |                      | 30                    | 43                   |
| 10114W 6004N                            | 2568-17112        | 00000/0000                     | 2-20030/1278                | 08/12/76         | 10                  | 7920            | 41.3         | 147.8        | GGGG                               |                     |                      | 40                    | 18                   |
| 10114W 5541N                            | 2368-17063        | 00000/0000                     | 2-20020/0179                | 01/25/76         | 0                   | 5131            | 11.7         | 153.5        | GGGG                               |                     |                      | 38                    | 21                   |
| 10116W 2431N                            | 2612-16231        | 00000/0000                     | 2-20032/1755                | 09/25/76         | 70                  | 8593            | 48.8         | 123.5        | GGGG                               |                     |                      | 30                    | 43                   |
| 10116W 1848N                            | 2593-16194        | 00000/0000                     | 2-20032/0871                | 09/06/76         | 30                  | 8268            | 52.9         | 105.1        | GGGG                               |                     |                      | 29                    | 47                   |
| 10117W 5256N                            | 2529-16572        | 00000/0000                     | 2-20028/0696                | 07/04/76         | 10                  | 7376            | 53.2         | 133.9        | GGGG                               |                     |                      | 37                    | 23                   |
| 10118W 5253N                            | 2511-16575        | 00000/0000                     | 2-20024/1742                | 06/16/76         | 60                  | 7125            | 54.1         | 134.8        | GGGG                               |                     |                      | 37                    | 23                   |
| 10118W 1846N                            | 2611-16190        | 00000/0000                     | 2-20032/1753                | 09/24/76         | 30                  | 8519            | 51.0         | 116.1        | GGGG                               |                     |                      | 29                    | 47                   |
| 10120W 5956N                            | 2496-17132        | 00000/0000                     | 2-20026/0550                | 06/01/76         | 20                  | 6916            | 49.1         | 147.5        | GGGF                               |                     |                      | 40                    | 18                   |
| 10121W 5956N                            | 2550-17115        | 00000/0000                     | 2-20030/0119                | 07/25/76         | 90                  | 7669            | 45.9         | 145.4        | GGGG                               |                     |                      | 40                    | 18                   |
| 10121W 5255N                            | 2655-16533        | 00000/0000                     | 2-20036/0084                | 11/07/76         | 10                  | 9133            | 17.6         | 156.0        | GGGF                               |                     |                      | 37                    | 23                   |
| 10130W 6132N                            | 2451-17193        | 00000/0000                     | 2-20024/0496                | 04/27/76         | 60                  | 6428            | 40.2         | 153.1        | GGGG                               |                     |                      | 41                    | 17                   |
| 10132W 6131N                            | 2443-17200        | 00000/0000                     | 2-20022/1728                | 04/09/76         | 10                  | 6177            | 33.9         | 153.8        | G GG                               |                     |                      | 41                    | 17                   |
| 10132W 2306N                            | 2486-16270        | 00000/0000                     | 2-20025/1241                | 05/22/76         | 10                  | 6776            | 58.5         | 88.1         | GGGG                               |                     |                      | 30                    | 44                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 10133W 1719N                | 2485-16230        | 00000/0000 2-20025/1252                 | 05/21/76         | 10                  | 6762            | 56.9         | 79.2         |                       |                     |                      |                       |                      |
| 10134W 2311N                | 2432-16283        | 00000/0000 2-20027/0924                 | 03/29/76         | 70                  | 6023            | 50.5         | 114.3        | GGFG                  |                     |                      | 29                    | 48                   |
| 10134W 1724N                | 2431-16243        | 00000/0000 2-20027/0837                 | 03/28/76         | 10                  | 6009            | 51.4         | 107.3        | FG                    |                     |                      | 30                    | 44                   |
| 10135W 6128N                | 2569-17164        | 00000/0000 2-20030/1288                 | 08/13/76         | 10                  | 7934            | 40.1         | 149.7        | FGFF                  |                     |                      | 29                    | 48                   |
| 10136W 6125N                | 2479-17190        | 00000/0000 2-20025/0634                 | 05/15/76         | 90                  | 6679            | 45.1         | 151.7        | FFFG                  |                     |                      | 41                    | 17                   |
| 10136W 2308N                | 2594-16240        | 00000/0000 2-20032/0922                 | 09/07/76         | 10                  | 8282            | 52.1         | 111.6        | FGGG                  |                     |                      | 41                    | 17                   |
| 10137W 2040N                | 2537-21000        | 00000/0000 2-20028/1251                 | 07/12/76         | 90                  | 7490            | 29.7         | 214.7        | GGGG                  |                     |                      | 30                    | 44                   |
| 10138W 6131N                | 2587-17161        | 00000/0000 2-20032/0654                 | 08/31/76         | 20                  | 8185            | 34.4         | 152.7        | GGGG                  |                     |                      | 63                    | 248                  |
| 10138W 5719N                | 2441-17095        | 00000/0000 2-20027/1513                 | 04/07/76         | 10                  | 6149            | 36.2         | 149.3        | GGGG                  |                     |                      | 41                    | 17                   |
| 10138W 2304N                | 2612-16233        | 00000/0000 2-20032/1756                 | 09/25/76         | 70                  | 8533            | 49.4         | 121.9        | GGGG                  |                     |                      | 39                    | 20                   |
| 10138W 1722N                | 2593-16200        | 00000/0000 2-20032/0872                 | 09/06/76         | 40                  | 8268            | 53.0         | 103.1        | GGGF                  |                     |                      | 30                    | 44                   |
| 10139W 1720N                | 2611-16193        | 00000/0000 2-20032/1754                 | 09/24/76         | 30                  | 8519            | 51.4         | 114.3        | GGGG                  |                     |                      | 29                    | 48                   |
| 10141W 6125N                | 2605-17154        | 00000/0000 2-20032/1505                 | 09/18/76         | 10                  | 8436            | 28.1         | 155.9        | GGGG                  |                     |                      | 41                    | 17                   |
| 10142W 5720N                | 2585-17060        | 00000/0000 2-20032/0361                 | 08/29/76         | 90                  | 8157            | 38.0         | 147.7        | FFGG                  |                     |                      | 39                    | 20                   |
| 10142W 5717N                | 2603-17053        | 00000/0000 2-20032/1400                 | 09/16/76         | 0                   | 8408            | 31.9         | 151.5        | FGGG                  |                     |                      | 39                    | 20                   |
| 10143W 6117N                | 2533-17174        | 00000/0000 2-20028/0974                 | 07/08/76         | 70                  | 7432            | 47.9         | 146.8        | GGGG                  |                     |                      | 41                    | 17                   |
| 10143W 5711N                | 2495-17083        | 00000/0000 2-20026/0489                 | 05/31/76         | 40                  | 6902            | 50.8         | 143.6        | GGGG                  |                     |                      | 39                    | 20                   |
| 10143W 5710N                | 2477-17085        | 2-20027/0630 00000/0000                 | 05/13/76         | 10                  | 6651            | 47.6         | 146.0        | GGGG                  |                     |                      | 39                    | 20                   |
| 10147W 5710N                | 2405-17110        | 2-20027/0535 00000/0000                 | 03/02/76         | 10                  | 5647            | 22.2         | 151.0        | GGG                   |                     |                      | 39                    | 20                   |
| 10148W 6116N                | 2623-17150        | 00000/0000 2-20034/0457                 | 10/05/76         | 10                  | 8687            | 21.6         | 158.6        | GGG                   |                     |                      | 41                    | 17                   |
| 10148W 6116N                | 2659-17134        | 00000/0000 2-20036/0231                 | 11/11/76         | 0                   | 9189            | 9.6          | 161.4        | GGGG                  |                     |                      | 41                    | 17                   |
| 10148W 5704N                | 2513-17080        | 00000/0000 2-20026/1817                 | 06/18/76         | 0                   | 7153            | 51.8         | 141.2        | GGGG                  |                     |                      | 39                    | 20                   |
| 10150W 5705N                | 2639-17042        | 00000/0000 2-20034/1045                 | 10/22/76         | 90                  | 8910            | 19.3         | 157.3        | GGGG                  |                     |                      | 39                    | 20                   |
| 10150W 5705N                | 2657-17034        | 00000/0000 2-20036/0111                 | 11/09/76         | 90                  | 9161            | 13.7         | 158.5        | FFG                   |                     |                      | 39                    | 20                   |
| 10153W 5142N                | 2475-16591        | 00000/0000 2-20025/0135                 | 05/11/76         | 10                  | 6623            | 50.6         | 138.9        | GGGG                  |                     |                      | 39                    | 20                   |
| 10154W 5144N                | 2583-16561        | 00000/0000 2-20032/0034                 | 08/27/76         | 100                 | 8129            | 42.3         | 141.2        | GGGG                  |                     |                      | 37                    | 24                   |
| 10154W 5140N                | 2565-16564        | 00000/0000 2-20030/1002                 | 08/09/76         | 80                  | 7878            | 47.2         | 136.6        | GGGG                  |                     |                      | 37                    | 24                   |
| 10155W 2138N                | 2436-16273        | 00000/0000 2-20025/1242                 | 05/22/76         | 10                  | 6776            | 58.2         | 85.7         | GGGG                  |                     |                      | 30                    | 45                   |
| 10156W 2144N                | 2432-16290        | 00000/0000 2-20027/0925                 | 03/29/76         | 20                  | 6023            | 50.8         | 112.5        | GGGG                  |                     |                      | 30                    | 45                   |
| 10157W 5139N                | 2601-16554        | 00000/0000 2-20032/1284                 | 09/14/76         | 10                  | 8380            | 36.6         | 145.9        | GGGG                  |                     |                      | 37                    | 24                   |
| 10157W 5134N                | 2493-16584        | 00000/0000 2-20026/0472                 | 05/29/76         | 10                  | 6874            | 53.8         | 135.4        | GGGG                  |                     |                      | 37                    | 24                   |
| 10157W 5134N                | 2547-16571        | 00000/0000 2-20030/0001                 | 07/22/76         | 60                  | 7627            | 51.2         | 133.1        | FGG                   |                     |                      | 37                    | 24                   |
| 10158W 5132N                | 2529-16575        | 00000/0000 2-20028/0697                 | 07/04/76         | 10                  | 7376            | 53.9         | 131.7        | GGGG                  |                     |                      | 37                    | 24                   |
| 10158W 2141N                | 2594-16243        | 00000/0000 2-20032/0923                 | 09/07/76         | 10                  | 8282            | 52.4         | 109.7        | GGGG                  |                     |                      | 30                    | 45                   |
| 10159W 5136N                | 2619-16551        | 00000/0000 2-20034/0331                 | 10/02/76         | 20                  | 8631            | 30.5         | 150.2        | GGG                   |                     |                      | 37                    | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 LANDSAT-2  
 COORDINATE LISTING  
 FOR NON-US

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FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10200W                                  | 5129N             | 2511-16582                   | 00000/0000                  | 2-20026/1743     | 06/16/76           | 80              | 7125         | 54.8         | 132.6                              | FGGG                |                      | 37                    | 24                   |
| 10200W                                  | 2138N             | 2612-16240                   | 00000/0000                  | 2-20032/1757     | 09/25/76           | 60              | 8533         | 49.9         | 120.2                              | GGGF                |                      | 30                    | 45                   |
| 10202W                                  | 5417N             | 2368-17070                   | 00000/0000                  | 2-20020/0180     | 01/25/76           | 10              | 5131         | 12.8         | 152.7                              | GGGG                |                      | 38                    | 22                   |
| 10204W                                  | 5131N             | 2655-16535                   | 00000/0000                  | 2-20036/0085     | 11/07/76           | 10              | 9133         | 18.8         | 155.2                              | GGGG                |                      | 37                    | 24                   |
| 10211W                                  | 5844N             | 2442-17151                   | 00000/0000                  | 2-20022/1392     | 04/08/76           | 20              | 6163         | 35.6         | 150.7                              | GGGG                |                      | 40                    | 19                   |
| 10211W                                  | 2604N             | 2469-16322                   | 00000/0000                  | 2-20024/1582     | 05/05/76           | 10              | 6539         | 57.7         | 100.6                              | GGGG                |                      | 31                    | 42                   |
| 10213W                                  | 5841N             | 2568-17114                   | 00000/0000                  | 2-20030/1163     | 08/12/76           | 40              | 7920         | 42.2         | 146.0                              | GGGG                |                      | 40                    | 19                   |
| 10213W                                  | 2557N             | 2487-16315                   | 00000/0000                  | 2-20025/1177     | 05/23/76           | 10              | 6790         | 59.0         | 92.7                               | GGGG                |                      | 31                    | 42                   |
| 10214W                                  | 2602N             | 2433-16332                   | 00000/0000                  | 2-20022/0928     | 03/30/76           | 20              | 6037         | 50.0         | 117.4                              | GGGG                |                      | 31                    | 42                   |
| 10217W                                  | 5835N             | 2406-17162                   | 2-20027/0568                | 00000/0000       | 03/03/76           | 30              | 5661         | 21.6         | 152.0                              | GG                  |                      | 40                    | 19                   |
| 10217W                                  | 5833N             | 2496-17134                   | 00000/0000                  | 2-20026/0551     | 06/01/76           | 20              | 6916         | 50.0         | 145.5                              | FGFF                |                      | 40                    | 19                   |
| 10217W                                  | 5832N             | 2478-17141                   | 2-20027/0635                | 00000/0000       | 05/14/76           | 70              | 6665         | 46.9         | 147.7                              | GG                  |                      | 40                    | 19                   |
| 10217W                                  | 2559N             | 2595-16290                   | 00000/0000                  | 2-20032/1000     | 09/08/76           | 10              | 8296         | 51.3         | 116.0                              | GGGG                |                      | 31                    | 42                   |
| 10217W                                  | 2011N             | 2486-16275                   | 00000/0000                  | 2-20025/1243     | 05/22/76           | 10              | 6776         | 57.8         | 83.4                               | GGGG                |                      | 30                    | 46                   |
| 10218W                                  | 5833N             | 2550-17122                   | 00000/0000                  | 2-20030/0081     | 07/25/76           | 90              | 7669         | 46.7         | 143.4                              | GGGG                |                      | 40                    | 19                   |
| 10218W                                  | 2017N             | 2432-16292                   | 00000/0000                  | 2-20022/0926     | 03/29/76           | 10              | 6023         | 51.1         | 110.6                              | GGGF                |                      | 30                    | 46                   |
| 10220W                                  | 2014N             | 2594-16245                   | 00000/0000                  | 2-20032/0924     | 09/07/76           | 30              | 8282         | 52.6         | 107.7                              | GGGG                |                      | 30                    | 46                   |
| 10221W                                  | 2558N             | 2613-16282                   | 00000/0000                  | 2-20034/0002     | 09/26/76           | 10              | 8547         | 48.0         | 125.7                              | GGGG                |                      | 31                    | 42                   |
| 10222W                                  | 5828N             | 2658-17085                   | 00000/0000                  | 2-20036/0203     | 11/10/76           | 0               | 9175         | 12.3         | 159.4                              | GGGG                |                      | 40                    | 19                   |
| 10222W                                  | 2011N             | 2612-16242                   | 00000/0000                  | 2-20032/1758     | 09/25/76           | 60              | 8533         | 50.4         | 118.4                              | GGGF                |                      | 30                    | 46                   |
| 10227W                                  | 5558N             | 2459-17095                   | 00000/0000                  | 2-20024/0524     | 04/25/76           | 10              | 6400         | 43.5         | 146.5                              | GGGG                |                      | 39                    | 21                   |
| 10229W                                  | 5556N             | 2441-17102                   | 00000/0000                  | 2-20022/1514     | 04/07/76           | 0               | 6149         | 37.2         | 147.9                              | GGGG                |                      | 39                    | 21                   |
| 10230W                                  | 5553N             | 2477-17092                   | 2-20025/1266                | 00000/0000       | 05/13/76           | 20              | 6651         | 48.5         | 144.2                              | GGG                 |                      | 39                    | 21                   |
| 10232W                                  | 5020N             | 2457-17000                   | 00000/0000                  | 2-20024/0372     | 04/23/76           | 60              | 6372         | 46.4         | 140.1                              | GG                  |                      | 37                    | 25                   |
| 10233W                                  | 6009N             | 2461-17200                   | 00000/0000                  | 2-20024/0497     | 04/27/76           | 10              | 6428         | 41.2         | 151.4                              | GGGG                |                      | 41                    | 18                   |
| 10233W                                  | 5556N             | 2585-17062                   | 00000/0000                  | 2-20032/0362     | 08/29/76           | 50              | 8157         | 38.9         | 146.2                              | FGGG                |                      | 39                    | 21                   |
| 10233W                                  | 5553N             | 2603-17055                   | 00000/0000                  | 2-20032/1401     | 09/16/76           | 0               | 8408         | 32.9         | 150.2                              | FGGG                |                      | 39                    | 21                   |
| 10234W                                  | 5548N             | 2495-17085                   | 00000/0000                  | 2-20026/0490     | 05/31/76           | 10              | 6902         | 51.6         | 141.5                              | FGGF                |                      | 39                    | 21                   |
| 10234W                                  | 5019N             | 2727-16512                   | 00000/0000                  | 2-20032/1513     | 01/18/77           | 90              | 137          | 13.7         | 149.0                              | GGG                 |                      | 37                    | 25                   |
| 10234W                                  | 5018N             | 2475-16593                   | 00000/0000                  | 2-20025/0136     | 05/11/76           | 10              | 6623         | 51.4         | 137.0                              | FGGG                |                      | 37                    | 25                   |
| 10234W                                  | 5016N             | 2565-16571                   | 00000/0000                  | 2-20030/1003     | 08/09/76           | 60              | 7878         | 48.0         | 134.8                              | GGGG                |                      | 37                    | 25                   |
| 10234W                                  | 2437N             | 2469-16325                   | 00000/0000                  | 2-20024/1583     | 05/05/76           | 0               | 6539         | 57.7         | 98.2                               | GGGG                |                      | 31                    | 43                   |
| 10235W                                  | 6009N             | 2443-17203                   | 00000/0000                  | 2-20022/1729     | 04/09/76           | 70              | 6177         | 34.9         | 152.2                              | G GG                |                      | 41                    | 18                   |
| 10235W                                  | 5020N             | 2439-17003                   | 00000/0000                  | 2-20022/1363     | 04/05/76           | 0               | 6121         | 40.2         | 142.5                              | GGGG                |                      | 37                    | 25                   |
| 10235W                                  | 5020N             | 2583-16564                   | 00000/0000                  | 2-20032/0035     | 08/27/76           | 90              | 8129         | 43.1         | 139.6                              | GGGG                |                      | 37                    | 25                   |

KEYS: CLUD COVER % ..... 0 TO 100 = % CLUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, '77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RSW<br>NUM. |
|-----------------------------|-------|------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 10236W                      | 5305N | 2476-1704P | 00000/0000        | 2-20025/0221          | 05/12/76             | 100              | 6637                | 50.0            | 140.6        |              | FGGG                  |                     |                      | 38                    | 23                   |
| 10236W                      | 2431N | 2487-1632P | 00000/0000        | 2-20025/1178          | 05/23/76             | 0                | 6790                | 58.8            | 90.2         |              | GGGG                  |                     |                      | 31                    | 43                   |
| 10237W                      | 6006N | 2569-17170 | 00000/0000        | 2-20030/1259          | 08/13/76             | 10               | 7934                | 41.0            | 148.0        |              | GGFG                  |                     |                      | 41                    | 18                   |
| 10237W                      | 5546N | 2405-17113 | 2-20027/0536      | 00000/0000            | 03/02/76             | 50               | 5647                | 29.2            | 149.9        | GGG          |                       |                     |                      | 39                    | 21                   |
| 10237W                      | 5542N | 2369-17122 | 00000/0000        | 2-20020/0445          | 01/26/76             | 10               | 5145                | 11.9            | 153.4        |              | GGGG                  |                     |                      | 39                    | 21                   |
| 10237W                      | 2435N | 2433-16335 | 00000/0000        | 2-20027/0929          | 03/30/76             | 50               | 6037                | 50.4            | 115.6        |              | GGGG                  |                     |                      | 31                    | 43                   |
| 10238W                      | 5540N | 2513-17083 | 00000/0000        | 2-20026/1818          | 06/18/76             | 0                | 7153                | 52.6            | 139.0        |              | GGGG                  |                     |                      | 39                    | 21                   |
| 10238W                      | 5310N | 2584-17013 | 00000/0000        | 2-20037/0354          | 08/28/76             | 100              | 8143                | 41.1            | 143.0        |              | GGGG                  |                     |                      | 38                    | 23                   |
| 10238W                      | 5306N | 2566-17020 | 00000/0000        | 2-20030/1103          | 08/10/76             | 40               | 7892                | 46.2            | 138.6        |              | GGGG                  |                     |                      | 38                    | 23                   |
| 10238W                      | 5015N | 2601-16561 | 00000/0000        | 2-20037/1285          | 09/14/76             | 0                | 8380                | 37.6            | 144.6        |              | GGGG                  |                     |                      | 37                    | 25                   |
| 10238W                      | 1845N | 2486-16282 | 00000/0000        | 2-20025/1244          | 05/22/76             | 20               | 6776                | 57.4            | 81.1         |              | GGGG                  |                     |                      | 30                    | 47                   |
| 10239W                      | 6003N | 2479-17193 | 00000/0000        | 2-20025/0635          | 05/15/76             | 90               | 6679                | 46.1            | 149.7        |              | GGGG                  |                     |                      | 41                    | 18                   |
| 10239W                      | 5011N | 2619-16553 | 00000/0000        | 2-20034/0332          | 10/02/76             | 80               | 8631                | 31.5            | 149.1        |              | GGGG                  |                     |                      | 37                    | 25                   |
| 10239W                      | 1851V | 2432-16295 | 00000/0000        | 2-20027/0927          | 03/29/76             | 0                | 6023                | 51.4            | 108.7        |              | GGGG                  |                     |                      | 30                    | 47                   |
| 10240W                      | 5542N | 2657-17040 | 00000/0000        | 2-20036/0112          | 11/09/76             | 90               | 9161                | 14.8            | 157.7        |              | GGGG                  |                     |                      | 39                    | 21                   |
| 10240W                      | 5541V | 2639-17044 | 00000/0000        | 2-20034/1046          | 10/22/76             | 60               | 8910                | 20.4            | 156.4        |              | FFFG                  |                     |                      | 39                    | 21                   |
| 10240W                      | 5304V | 2602-17010 | 00000/0000        | 2-20037/1367          | 09/15/76             | 30               | 8394                | 35.3            | 147.4        |              | GGGG                  |                     |                      | 38                    | 23                   |
| 10240W                      | 5259N | 2548-17023 | 00000/0000        | 2-20030/0110          | 07/23/76             | 10               | 7641                | 50.3            | 135.3        |              | GGGG                  |                     |                      | 38                    | 23                   |
| 10240W                      | 5015N | 2691-16525 | 00000/0000        | 2-20037/0639          | 12/13/76             | 60               | 9635                | 12.5            | 153.8        |              | FGGG                  |                     |                      | 37                    | 25                   |
| 10240W                      | 2433N | 2595-1629P | 00000/0000        | 2-20032/1001          | 09/08/76             | 10               | 8296                | 51.7            | 114.1        |              | GGGG                  |                     |                      | 31                    | 43                   |
| 10241W                      | 6008N | 2587-17163 | 00000/0000        | 2-20032/0655          | 05/31/76             | 20               | 8185                | 35.4            | 151.2        |              | GGGG                  |                     |                      | 41                    | 18                   |
| 10242W                      | 1847N | 2594-1625P | 00000/0000        | 2-20037/0925          | 09/07/76             | 10               | 8282                | 52.8            | 105.7        |              | GGGG                  |                     |                      | 30                    | 47                   |
| 10244W                      | 6003N | 2605-17160 | 00000/0000        | 2-20037/1510          | 09/18/76             | 10               | 8436                | 29.1            | 154.5        |              | FGGG                  |                     |                      | 41                    | 18                   |
| 10244W                      | 5257N | 2620-17003 | 00000/0000        | 2-20034/0333          | 10/03/76             | 80               | 8645                | 29.2            | 151.4        |              | GGGG                  |                     |                      | 38                    | 23                   |
| 10244W                      | 2431N | 2613-16285 | 00000/0000        | 2-20034/0003          | 09/26/76             | 10               | 8547                | 48.6            | 124.1        |              | GGGG                  |                     |                      | 31                    | 43                   |
| 10244W                      | 1845N | 2612-16245 | 00000/0000        | 2-20037/1759          | 09/25/76             | 10               | 8533                | 50.9            | 116.6        |              | GGGG                  |                     |                      | 30                    | 47                   |
| 10245W                      | 5258N | 2530-17030 | 00000/0000        | 2-20028/0784          | 07/05/76             | 10               | 7390                | 53.1            | 134.0        |              | GGGG                  |                     |                      | 38                    | 23                   |
| 10245W                      | 5253N | 2512-17033 | 00000/0000        | 2-20024/1812          | 06/17/76             | 50               | 7139                | 54.1            | 134.8        |              | GGGG                  |                     |                      | 38                    | 23                   |
| 10246W                      | 5953N | 2533-17180 | 00000/0000        | 2-20028/0975          | 07/08/76             | 60               | 7432                | 48.8            | 144.6        |              | FGGG                  |                     |                      | 41                    | 18                   |
| 10247W                      | 5253N | 2368-1707P | 00000/0000        | 2-20020/0181          | 01/25/76             | 10               | 5131                | 13.8            | 152.0        |              | GGFG                  |                     |                      | 38                    | 23                   |
| 10250W                      | 5953N | 2623-17153 | 00000/0000        | 2-20034/0458          | 10/06/76             | 20               | 8687                | 22.7            | 157.4        |              | GGGG                  |                     |                      | 41                    | 18                   |
| 10251W                      | 5954N | 2659-17141 | 00000/0000        | 2-20036/0278          | 11/11/76             | 0                | 9189                | 10.8            | 160.4        |              | G                     |                     |                      | 41                    | 18                   |
| 10252W                      | 5951N | 2641-17145 | 00000/0000        | 2-20034/1149          | 10/24/76             | 90               | 8938                | 16.4            | 159.5        |              | GGGG                  |                     |                      | 41                    | 18                   |
| 10257W                      | 2311V | 2469-16331 | 00000/0000        | 2-20024/1584          | 05/05/76             | 20               | 6539                | 57.6            | 95.8         |              | GGGG                  |                     |                      | 31                    | 44                   |
| 10259W                      | 2309N | 2433-16341 | 00000/0000        | 2-20022/0930          | 03/30/76             | 90               | 6037                | 50.8            | 113.8        |              | GGGG                  |                     |                      | 31                    | 44                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|---------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10259N 2304N                            | 2487-16324        | 00000/0000 2-20025/1179                           | 05/23/76         | 0                   | 6790            | 58.5         | 87.7         | GGGG                               |                     |                      | 31                    | 44                   |
| 10300W 1719N                            | 2486-16284        | 00000/0000 2-20025/1245                           | 05/22/76         | 20                  | 6776            | 56.9         | 78.9         | GGFG                               |                     |                      | 30                    | 48                   |
| 10303W 2306N                            | 2595-16295        | 00000/0000 2-20032/1002                           | 09/08/76         | 10                  | 8296            | 52.0         | 112.2        | GGGG                               |                     |                      | 31                    | 44                   |
| 10305W 5721N                            | 2442-17153        | 00000/0000 2-20022/1712                           | 04/08/76         | 20                  | 6163            | 36.6         | 149.3        | GGGG                               |                     |                      | 40                    | 20                   |
| 10306W 5722N                            | 2586-17114        | 00000/0000 2-20032/0411                           | 08/30/76         | 50                  | 8171            | 37.6         | 147.9        | GGGG                               |                     |                      | 40                    | 20                   |
| 10306W 2305N                            | 2613-16291        | 00000/0000 2-20034/0004                           | 09/26/76         | 20                  | 8547            | 49.2         | 122.4        | GGGG                               |                     |                      | 31                    | 44                   |
| 10307W 5717N                            | 2568-17121        | 00000/0000 2-20030/1164                           | 08/12/76         | 90                  | 7920            | 43.1         | 144.3        | GGGG                               |                     |                      | 40                    | 20                   |
| 10310W 5715N                            | 2604-17111        | 00000/0000 2-20032/1489                           | 09/17/76         | 20                  | 8422            | 31.6         | 151.7        | GGFG                               |                     |                      | 40                    | 20                   |
| 10310W 5708N                            | 2478-17144        | 2-20027/0636 00000/0000                           | 05/14/76         | 40                  | 6665            | 47.9         | 145.8        | GGG                                |                     |                      | 40                    | 20                   |
| 10311W 5712N                            | 2406-17164        | 2-20027/0569 00000/0000                           | 03/03/76         | 10                  | 5661            | 22.6         | 150.9        | GG                                 |                     |                      | 40                    | 20                   |
| 10311W 5709N                            | 2496-17141        | 00000/0000 2-20026/0581                           | 06/01/76         | 70                  | 6916            | 50.9         | 143.4        | GGGG                               |                     |                      | 40                    | 20                   |
| 10312W 5710N                            | 2550-17124        | 00000/0000 2-20030/0082                           | 07/25/76         | 50                  | 7669            | 47.6         | 141.5        | GGGG                               |                     |                      | 40                    | 20                   |
| 10313W 5711N                            | 2622-17104        | 00000/0000 2-20034/0383                           | 10/05/76         | 70                  | 8673            | 25.2         | 155.0        | GGGG                               |                     |                      | 39                    | 22                   |
| 10315W 5434N                            | 2459-17101        | 00000/0000 2-20024/0525                           | 04/25/76         | 40                  | 6400            | 44.4         | 144.8        | GGGG                               |                     |                      | 40                    | 20                   |
| 10317W 5705N                            | 2640-17100        | 00000/0000 2-20034/1136                           | 10/23/76         | 90                  | 8924            | 19.0         | 157.4        | GGGG                               |                     |                      | 40                    | 20                   |
| 10317W 5705N                            | 2658-17092        | 00000/0000 2-20036/0204                           | 11/10/76         | 10                  | 9175            | 13.4         | 158.6        | GGGG                               |                     |                      | 40                    | 20                   |
| 10317W 5432N                            | 2441-17104        | 00000/0000 2-20022/1515                           | 04/07/76         | 10                  | 6149            | 38.1         | 146.4        | FGGG                               |                     |                      | 39                    | 22                   |
| 10317W 5428N                            | 2477-17094        | 2-20025/1267 2-20025/0322                         | 05/13/76         | 20                  | 6651            | 49.3         | 142.4        | GGG                                | GGGG                |                      | 39                    | 22                   |
| 10318W 5142N                            | 2476-17045        | 00000/0000 2-20025/0222                           | 05/12/76         | 90                  | 6637            | 50.8         | 138.7        | FGGG                               |                     |                      | 38                    | 24                   |
| 10319W 2143N                            | 2469-16334        | 00000/0000 2-20024/1585                           | 05/05/76         | 20                  | 6539            | 57.5         | 93.4         | GGGG                               |                     |                      | 31                    | 45                   |
| 10320W 5143N                            | 2723-16564        | 00000/0000 2-20038/1514                           | 01/19/77         | 10                  | 151             | 12.8         | 149.5        | FGGG                               |                     |                      | 38                    | 24                   |
| 10320W 5142N                            | 2566-17022        | 00000/0000 2-20030/1104                           | 08/10/76         | 40                  | 7892            | 47.0         | 136.9        | GGGG                               |                     |                      | 39                    | 22                   |
| 10321W 5433N                            | 2585-17065        | 00000/0000 2-20032/0363                           | 08/29/76         | 10                  | 8157            | 39.9         | 144.7        | GGGG                               |                     |                      | 39                    | 22                   |
| 10321W 5429N                            | 2603-17062        | 00000/0000 2-20032/1402                           | 09/16/76         | 0                   | 8408            | 33.9         | 148.9        | GGGG                               |                     |                      | 38                    | 24                   |
| 10321W 5146N                            | 2584-17015        | 00000/0000 2-20032/0355                           | 08/28/76         | 90                  | 8143            | 41.9         | 141.5        | GGGG                               |                     |                      | 31                    | 45                   |
| 10321W 2137N                            | 2487-16331        | 00000/0000 2-20025/1180                           | 05/23/76         | 0                   | 6790            | 58.2         | 85.3         | GGGG                               |                     |                      | 30                    | 49                   |
| 10321W 1552N                            | 2486-16291        | 00000/0000 2-20025/1246                           | 05/22/76         | 40                  | 6776            | 56.3         | 76.7         | GGGG                               |                     |                      | 39                    | 22                   |
| 10322W 5424N                            | 2495-17092        | 00000/0000 2-20026/0491                           | 05/31/76         | 20                  | 6902            | 52.4         | 139.4        | GGFF                               |                     |                      | 38                    | 24                   |
| 10322W 5135N                            | 2548-17030        | 00000/0000 2-20030/0111                           | 07/23/76         | 10                  | 7641            | 51.0         | 133.3        | GGGG                               |                     |                      | 31                    | 45                   |
| 10322W 2142N                            | 2433-16344        | 00000/0000 2-20022/0931                           | 03/30/76         | 60                  | 6037            | 51.1         | 112.0        | GGGG                               |                     |                      | 38                    | 24                   |
| 10323W 5140N                            | 2602-17012        | 00000/0000 2-20032/1368                           | 09/15/76         | 0                   | 8394            | 36.3         | 146.2        | GGGG                               |                     |                      | 39                    | 22                   |
| 10323W 5136N                            | 2494-17042        | 00000/0000 2-20026/0469                           | 05/30/76         | 10                  | 6888            | 53.9         | 135.3        | FGGF                               |                     |                      | 39                    | 22                   |
| 10324W 5422N                            | 2405-17115        | 2-20027/0537 00000/0000                           | 03/02/76         | 80                  | 5647            | 24.2         | 148.9        | GGG                                |                     |                      | 39                    | 22                   |
| 10325W 5422N                            | 2675-17034        | 00000/0000 2-20036/0286                           | 11/27/76         | 50                  | 9412            | 11.5         | 156.9        | GGGG                               |                     |                      | 39                    | 22                   |
| 10325W 5418N                            | 2369-17124        | 00000/0000 2-20020/0446                           | 01/26/76         | 0                   | 5145            | 13.0         | 152.6        | GGFG                               |                     |                      | 39                    | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG | LAT   | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RRV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10325N                              | 5417N | 2513-17085        | 00000/0000                   | 2-20024/1819                | 06/18/76         | 10                  | 7153            | 53.4         | 136.9        | GGGG                               |                     |                      | 39                    | 22                   |
| 10325N                              | 5132N | 2656-16592        | 00000/0000                   | 2-20036/0100                | 11/02/76         | 10                  | 9147            | 18.5         | 155.3        | GGGG                               |                     |                      | 38                    | 24                   |
| 10325N                              | 2139N | 2595-16301        | 00000/0000                   | 2-20037/1003                | 09/08/76         | 10                  | 8296            | 52.3         | 110.2        | GGGG                               |                     |                      | 31                    | 45                   |
| 10326N                              | 5422N | 2621-17054        | 00000/0000                   | 2-20034/0335                | 10/04/76         | 100                 | 8659            | 27.7         | 152.7        | GGGG                               |                     |                      | 39                    | 22                   |
| 10326N                              | 5135N | 2422-17063        | 00000/0000                   | 2-20027/0163                | 03/19/76         | 90                  | 5884            | 32.8         | 145.3        | F                                  |                     |                      | 38                    | 24                   |
| 10326N                              | 5133N | 2620-17005        | 00000/0000                   | 2-20034/0334                | 10/03/76         | 90                  | 8645            | 30.2         | 150.4        | GGGG                               |                     |                      | 38                    | 24                   |
| 10326N                              | 5129N | 2512-17040        | 00000/0000                   | 2-20026/1813                | 06/17/76         | 50                  | 7139            | 54.8         | 132.5        | GGGG                               |                     |                      | 38                    | 24                   |
| 10327N                              | 5415N | 2387-17122        | 00000/0000                   | 2-20020/1410                | 02/13/76         | 10                  | 5396            | 18.0         | 150.4        | GGG                                |                     |                      | 39                    | 22                   |
| 10327N                              | 5133N | 2530-17033        | 00000/0000                   | 2-20028/0785                | 07/05/76         | 20                  | 7390            | 53.7         | 131.8        | GGGG                               |                     |                      | 38                    | 24                   |
| 10328N                              | 5418N | 2639-17051        | 00000/0000                   | 2-20034/1047                | 10/22/76         | 70                  | 8910            | 21.5         | 155.5        | FFFF                               |                     |                      | 39                    | 22                   |
| 10328N                              | 5418N | 2657-17043        | 00000/0000                   | 2-20036/0113                | 11/09/76         | 90                  | 9161            | 15.9         | 156.9        | GGGG                               |                     |                      | 39                    | 22                   |
| 10328N                              | 2139N | 2613-16294        | 00000/0000                   | 2-20034/0005                | 09/26/76         | 30                  | 8547            | 49.7         | 120.7        | GGGG                               |                     |                      | 31                    | 45                   |
| 10330N                              | 5129N | 2368-17075        | 00000/0000                   | 2-20020/0182                | 01/25/76         | 30                  | 5131            | 14.9         | 151.2        | GGFF                               |                     |                      | 38                    | 24                   |
| 10331N                              | 5845N | 2461-17202        | 00000/0000                   | 2-20024/0498                | 04/27/76         | 10                  | 6428            | 42.2         | 149.6        | GGGG                               |                     |                      | 41                    | 19                   |
| 10335N                              | 5843N | 2569-17173        | 00000/0000                   | 2-20030/1170                | 08/13/76         | 20                  | 7934            | 41.9         | 146.2        | GGG                                |                     |                      | 41                    | 19                   |
| 10339N                              | 5845N | 2587-17170        | 00000/0000                   | 2-20032/0656                | 08/31/76         | 10                  | 8185            | 36.4         | 149.6        | GGGG                               |                     |                      | 41                    | 19                   |
| 10339N                              | 2602N | 2434-16391        | 00000/0000                   | 2-20027/0935                | 03/31/76         | 10                  | 6051            | 50.2         | 117.0        | GGGG                               |                     |                      | 32                    | 42                   |
| 10339N                              | 2557N | 2458-16374        | 00000/0000                   | 2-20025/0932                | 05/24/76         | 0                   | 6804            | 59.0         | 92.3         | GGGG                               |                     |                      | 32                    | 42                   |
| 10340N                              | 2559N | 2470-16380        | 00000/0000                   | 2-20024/1593                | 05/06/76         | 0                   | 6553            | 57.8         | 100.0        | GGGG                               |                     |                      | 32                    | 42                   |
| 10340N                              | 2017N | 2469-16340        | 00000/0000                   | 2-20024/1586                | 05/05/76         | 10                  | 6539            | 57.3         | 91.0         | GGGG                               |                     |                      | 31                    | 46                   |
| 10342N                              | 8046N | 2450-21193        | 00000/0000                   | 2-20023/0462                | 04/16/76         | 10                  | 6277            | 17.8         | 217.9        | GGGF                               |                     |                      | 70                    | 247                  |
| 10342N                              | 5840N | 2605-17163        | 00000/0000                   | 2-20032/1513                | 09/12/76         | 10                  | 8436            | 30.2         | 153.2        | GGGG                               |                     |                      | 41                    | 19                   |
| 10342N                              | 2601N | 2536-16344        | 00000/0000                   | 2-20032/1057                | 09/09/76         | 20                  | 8310            | 51.1         | 116.6        | GGGG                               |                     |                      | 32                    | 42                   |
| 10343N                              | 5834N | 2497-17193        | 00000/0000                   | 2-20026/0636                | 06/02/76         | 40                  | 6930            | 50.1         | 145.4        | GGGG                               |                     |                      | 41                    | 19                   |
| 10343N                              | 2011N | 2487-16333        | 00000/0000                   | 2-20025/1181                | 05/23/76         | 10                  | 6790            | 57.8         | 83.0         | GGGG                               |                     |                      | 31                    | 46                   |
| 10344N                              | 5830N | 2533-17183        | 00000/0000                   | 2-20028/0959                | 07/08/76         | 100                 | 7432            | 49.6         | 142.5        | FGGG                               |                     |                      | 41                    | 19                   |
| 10345N                              | 2015N | 2433-16350        | 00000/0000                   | 2-20027/0932                | 03/30/76         | 10                  | 6037            | 51.4         | 110.1        | GGGG                               |                     |                      | 31                    | 46                   |
| 10347N                              | 2555N | 2614-16341        | 00000/0000                   | 2-20034/0116                | 09/27/76         | 10                  | 8561            | 47.8         | 126.1        | GGGG                               |                     |                      | 32                    | 42                   |
| 10347N                              | 2013N | 2595-16304        | 00000/0000                   | 2-20032/1004                | 09/08/76         | 40                  | 8296            | 52.6         | 108.3        | GGGG                               |                     |                      | 31                    | 46                   |
| 10348N                              | 8016N | 2444-20454        | 00000/0000                   | 2-20027/1875                | 04/10/76         | 20                  | 6193            | 16.9         | 208.8        | F FG                               |                     |                      | 64                    | 248                  |
| 10348N                              | 5831N | 2659-17143        | 00000/0000                   | 2-20036/0279                | 11/11/76         | 0                   | 9189            | 11.9         | 159.5        | GGGG                               |                     |                      | 41                    | 19                   |
| 10349N                              | 5830N | 2623-17155        | 00000/0000                   | 2-20034/0459                | 10/06/76         | 60                  | 8687            | 23.8         | 156.3        | GGGG                               |                     |                      | 41                    | 19                   |
| 10350N                              | 5600N | 2460-17153        | 00000/0000                   | 2-20024/0603                | 04/26/76         | 30                  | 6414            | 43.8         | 146.4        | GGGG                               |                     |                      | 40                    | 21                   |
| 10350N                              | 2013N | 2613-16300        | 00000/0000                   | 2-20034/0006                | 09/26/76         | 30                  | 8547            | 50.2         | 119.0        | GGGG                               |                     |                      | 31                    | 46                   |
| 10351N                              | 5828N | 2641-17152        | 00000/0000                   | 2-20034/1150                | 10/24/76         | 80                  | 8938            | 17.5         | 158.5        | FGGG                               |                     |                      | 41                    | 19                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, RAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG | LAT   | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10356W                              | 5557N | 2442-17160        | 00000/0000                   | 2-20022/1713                | 04/08/76         | 10                  | 6163            | 37.5         | 147.8        | GGGG                               |                     |                      | 40                    | 21                   |
| 10357W                              | 5558N | 2556-17120        | 00000/0000                   | 2-20032/0412                | 08/30/76         | 40                  | 8171            | 38.6         | 146.5        | GGGG                               |                     |                      | 40                    | 21                   |
| 10357W                              | 5023N | 2458-17054        | 00000/0000                   | 2-20024/0374                | 04/24/76         | 40                  | 6386            | 46.7         | 140.0        | GGGG                               |                     |                      | 38                    | 25                   |
| 10358W                              | 5554N | 2568-17123        | 00000/0000                   | 2-20030/1165                | 08/12/76         | 90                  | 7920            | 44.0         | 142.5        | GGGG                               |                     |                      | 40                    | 21                   |
| 10359W                              | 5016N | 2476-17051        | 00000/0000                   | 2-20025/0223                | 05/12/76         | 90                  | 6637            | 51.6         | 136.7        | FFGG                               |                     |                      | 38                    | 25                   |
| 10400W                              | 5544N | 2478-17150        | 2-20027/0637                 | 00000/0000                  | 05/14/76         | 70                  | 6665            | 48.8         | 143.9        | GGG                                |                     |                      | 40                    | 21                   |
| 10400W                              | 5310N | 2459-17104        | 00000/0000                   | 2-20024/0526                | 04/25/76         | 40                  | 6400            | 45.3         | 143.2        | GGGG                               |                     |                      | 39                    | 23                   |
| 10400W                              | 5018N | 2728-16570        | 00000/0000                   | 2-20038/1515                | 01/19/77         | 0                   | 151             | 13.8         | 148.8        | GGGG                               |                     |                      | 39                    | 25                   |
| 10401W                              | 5552N | 2604-17113        | 00000/0000                   | 2-20032/1490                | 09/17/76         | 20                  | 8422            | 32.6         | 150.4        | FFGG                               |                     |                      | 40                    | 21                   |
| 10401W                              | 5546N | 2496-17143        | 00000/0000                   | 2-20026/0582                | 06/01/76         | 90                  | 6916            | 51.7         | 141.3        | GGGG                               |                     |                      | 40                    | 21                   |
| 10401W                              | 5021N | 2584-17022        | 00000/0000                   | 2-20032/0356                | 08/28/76         | 80                  | 8143            | 42.8         | 140.0        | GGGG                               |                     |                      | 38                    | 25                   |
| 10401W                              | 5017N | 2566-17025        | 00000/0000                   | 2-20030/1105                | 08/10/76         | 40                  | 7892            | 47.7         | 135.1        | GGGG                               |                     |                      | 38                    | 25                   |
| 10401W                              | 2436N | 2434-16393        | 00000/0000                   | 2-20022/0936                | 03/31/76         | 10                  | 6051            | 50.7         | 115.2        | GGGG                               |                     |                      | 32                    | 43                   |
| 10402W                              | 5549N | 2406-17171        | 2-20027/0570                 | 00000/0000                  | 03/03/76         | 10                  | 5661            | 23.6         | 149.8        | GGG                                |                     |                      | 40                    | 21                   |
| 10402W                              | 5549N | 2424-17163        | 00000/0000                   | 2-20022/0407                | 03/21/76         | 10                  | 5912            | 30.6         | 148.8        | GGGG                               |                     |                      | 40                    | 21                   |
| 10402W                              | 5547N | 2550-17131        | 00000/0000                   | 2-20030/0083                | 07/25/76         | 20                  | 7669            | 48.4         | 139.5        | GGGG                               |                     |                      | 40                    | 21                   |
| 10402W                              | 5308N | 2441-17111        | 00000/0000                   | 2-20022/1516                | 04/07/76         | 10                  | 6149            | 39.1         | 145.0        | GFG                                |                     |                      | 39                    | 23                   |
| 10402W                              | 5305N | 2567-17074        | 00000/0000                   | 2-20030/1141                | 08/11/76         | 10                  | 7906            | 45.9         | 138.8        | GGGG                               |                     |                      | 39                    | 23                   |
| 10402W                              | 5304N | 2477-17101        | 2-20025/1268                 | 2-20025/0323                | 05/13/76         | 30                  | 6651            | 50.2         | 140.4        | GGG                                |                     |                      | 39                    | 23                   |
| 10402W                              | 2430N | 2488-16330        | 00000/0000                   | 2-20025/0933                | 05/24/76         | 10                  | 6804            | 58.8         | 89.8         | GGGG                               |                     |                      | 32                    | 43                   |
| 10402W                              | 1851N | 2469-16343        | 00000/0000                   | 2-20024/1537                | 05/05/76         | 20                  | 6539            | 57.0         | 88.7         | GFGG                               |                     |                      | 31                    | 47                   |
| 10403W                              | 5015N | 2602-17015        | 00000/0000                   | 2-20032/1369                | 09/15/76         | 10                  | 8394            | 37.2         | 144.9        | GGGG                               |                     |                      | 38                    | 25                   |
| 10403W                              | 5011N | 2548-17032        | 00000/0000                   | 2-20030/0112                | 07/23/76         | 0                   | 7641            | 51.7         | 131.3        | GGGG                               |                     |                      | 38                    | 25                   |
| 10403W                              | 2432N | 2470-16353        | 00000/0000                   | 2-20024/1594                | 05/06/76         | 0                   | 6553            | 57.8         | 97.6         | GGGG                               |                     |                      | 32                    | 43                   |
| 10404W                              | 5547N | 2622-17110        | 00000/0000                   | 2-20034/0384                | 10/05/76         | 90                  | 8673            | 26.3         | 153.9        | GGGG                               |                     |                      | 40                    | 21                   |
| 10404W                              | 5543N | 2532-17134        | 00000/0000                   | 2-20028/0879                | 07/07/76         | 20                  | 7418            | 51.3         | 138.3        | GGGG                               |                     |                      | 40                    | 21                   |
| 10404W                              | 5011N | 2494-17045        | 00000/0000                   | 2-20024/0470                | 05/30/76         | 10                  | 6888            | 54.6         | 133.1        | GFGG                               |                     |                      | 38                    | 25                   |
| 10405W                              | 2435N | 2596-16350        | 00000/0000                   | 2-20032/1058                | 09/09/76         | 10                  | 8310            | 51.5         | 114.7        | PPPP                               |                     |                      | 32                    | 43                   |
| 10405W                              | 1844N | 2487-16340        | 00000/0000                   | 2-20025/1182                | 05/23/76         | 10                  | 6790            | 57.3         | 80.7         | GGGG                               |                     |                      | 31                    | 47                   |
| 10406W                              | 5934N | 2475-20163        | 00000/0000                   | 2-20025/0143                | 05/11/76         | 50                  | 6625            | 27.8         | 202.8        | GGGG                               |                     |                      | 72                    | 2                    |
| 10406W                              | 5308N | 2585-17071        | 00000/0000                   | 2-20032/0364                | 08/29/76         | 20                  | 8157            | 40.8         | 143.2        | FFGG                               |                     |                      | 39                    | 23                   |
| 10406W                              | 5306N | 2603-17064        | 00000/0000                   | 2-20032/1403                | 09/16/76         | 0                   | 8408            | 34.9         | 147.7        | GGGG                               |                     |                      | 39                    | 23                   |
| 10406W                              | 5259N | 2495-17094        | 00000/0000                   | 2-20026/0492                | 05/31/76         | 20                  | 6902            | 53.2         | 137.3        | GGGG                               |                     |                      | 39                    | 23                   |
| 10406W                              | 5011N | 2422-17065        | 00000/0000                   | 2-20022/0166                | 03/19/76         | 100                 | 5884            | 33.7         | 144.2        | GGGG                               |                     |                      | 38                    | 25                   |
| 10406W                              | 5011N | 2674-16531        | 00000/0000                   | 2-20036/1356                | 11/26/76         | 40                  | 9398            | 15.1         | 154.9        | GGGG                               |                     |                      | 38                    | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=NO DATA NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR N84-US  
FROM 01/22/76 TO 01/22/77

PAGE 1354

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | SBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10406N                                  | 1849N             | 2433-16353                                         | 00000/0000       | 2-20027/0933        | 03/30/76        | 10           | 6037         | 51.6                               | 108.2               | GGGG                 | 31                    | 47                   |
| 10407N                                  | 5541N             | 2653-17094                                         | 00000/0000       | 2-20034/0205        | 11/10/76        | 10           | 9175         | 14.5                               | 157.7               | GGGG                 | 40                    | 21                   |
| 10408N                                  | 5542N             | 2640-17107                                         | 00000/0000       | 2-20034/1137        | 10/23/76        | 70           | 8924         | 20.1                               | 156.5               | GGGG                 | 40                    | 21                   |
| 10408N                                  | 5300N             | 2531-17384                                         | 00000/0000       | 2-20028/1178        | 07/06/76        | 10           | 7404         | 52.9                               | 134.0               | GGGG                 | 39                    | 23                   |
| 10409N                                  | 5258N             | 2405-17122                                         | 2-20027/0538     | 00000/0000          | 03/02/76        | 90           | 5647         | 25.2                               | 147.9               | GGG                  | 39                    | 23                   |
| 10409N                                  | 5253N             | 2513-17092                                         | 00000/0000       | 2-20026/1820        | 06/18/76        | 10           | 7153         | 54.1                               | 134.6               | GGGG                 | 39                    | 23                   |
| 10409N                                  | 1846N             | 2595-16310                                         | 00000/0000       | 2-20032/1005        | 09/03/76        | 10           | 8296         | 52.8                               | 106.3               | GGGG                 | 31                    | 47                   |
| 10410N                                  | 5258N             | 2675-17041                                         | 00000/0000       | 2-20036/0287        | 11/27/76        | 60           | 9412         | 12.7                               | 156.2               | GGFF                 | 39                    | 23                   |
| 10410N                                  | 5254N             | 2369-17131                                         | 00000/0000       | 2-20020/0447        | 01/26/76        | 10           | 5145         | 14.0                               | 151.8               | GGGG                 | 39                    | 23                   |
| 10410N                                  | 2429N             | 2614-16343                                         | 00000/0000       | 2-20034/0117        | 09/27/76        | 20           | 8561         | 48.4                               | 124.6               | GGGG                 | 32                    | 43                   |
| 10411N                                  | 5252N             | 2387-17125                                         | 00000/0000       | 2-20020/1411        | 02/13/76        | 20           | 5396         | 19.0                               | 149.6               | FGGG                 | 39                    | 23                   |
| 10411N                                  | 1846N             | 2613-16303                                         | 00000/0000       | 2-20034/0007        | 09/26/76        | 40           | 8547         | 50.7                               | 117.3               | GGGG                 | 31                    | 47                   |
| 10412N                                  | 5253N             | 2639-17053                                         | 00000/0000       | 2-20034/1048        | 10/22/76        | 100          | 8910         | 22.7                               | 154.6               | FFFF                 | 39                    | 23                   |
| 10413N                                  | 5254N             | 2657-17045                                         | 00000/0000       | 2-20034/0114        | 11/09/76        | 90           | 9161         | 17.1                               | 156.1               | GGG                  | 39                    | 23                   |
| 10422N                                  | 8005N             | 2515-20380                                         | 00000/0000       | 2-20027/0265        | 06/20/76        | 50           | 7183         | 32.4                               | 207.1               | GGGG                 | 77                    | 1                    |
| 10423N                                  | 1724N             | 2469-16345                                         | 00000/0000       | 2-20024/1588        | 05/05/76        | 20           | 6539         | 56.7                               | 86.5                | FGGG                 | 31                    | 48                   |
| 10424N                                  | 2310N             | 2434-16400                                         | 00000/0000       | 2-20022/0937        | 03/31/76        | 0            | 6051         | 51.0                               | 113.4               | GG G                 | 32                    | 44                   |
| 10424N                                  | 2304N             | 2488-16343                                         | 00000/0000       | 2-20025/0934        | 05/24/76        | 10           | 6804         | 58.5                               | 87.3                | GGGG                 | 32                    | 44                   |
| 10425N                                  | 5722N             | 2441-17205                                         | 00000/0000       | 2-20024/0240        | 04/27/76        | 30           | 6428         | 43.1                               | 148.0               | GGGG                 | 41                    | 20                   |
| 10425N                                  | 2305N             | 2470-16385                                         | 00000/0000       | 2-20024/1595        | 05/06/76        | 0            | 6553         | 57.7                               | 95.2                | GGGG                 | 32                    | 44                   |
| 10426N                                  | 1718N             | 2487-16342                                         | 00000/0000       | 2-20025/1183        | 05/23/76        | 30           | 6790         | 56.8                               | 78.5                | GGGG                 | 31                    | 48                   |
| 10427N                                  | 2309N             | 2596-16353                                         | 00000/0000       | 2-20032/1059        | 09/09/76        | 10           | 8310         | 51.9                               | 112.8               | GGGG                 | 32                    | 44                   |
| 10429N                                  | 5722N             | 2443-17212                                         | 00000/0000       | 2-20022/1765        | 04/09/76        | 80           | 6177         | 36.9                               | 149.2               | GGGG                 | 41                    | 20                   |
| 10430N                                  | 5720N             | 2569-17175                                         | 00000/0000       | 2-20030/1171        | 08/13/76        | 20           | 7934         | 42.8                               | 144.5               | GGG                  | 41                    | 20                   |
| 10432N                                  | 5716N             | 2479-17202                                         | 00000/0000       | 2-20025/0670        | 05/15/76        | 90           | 6679         | 48.0                               | 145.9               | GGGG                 | 41                    | 20                   |
| 10432N                                  | 2302N             | 2614-16350                                         | 00000/0000       | 2-20034/0118        | 09/27/76        | 30           | 8561         | 49.0                               | 122.9               | GGGG                 | 32                    | 44                   |
| 10434N                                  | 5722N             | 2537-17172                                         | 00000/0000       | 2-20032/0443        | 08/31/76        | 10           | 8185         | 37.3                               | 148.1               | GGFF                 | 41                    | 20                   |
| 10436N                                  | 5717N             | 2605-17165                                         | 00000/0000       | 2-20032/1514        | 09/18/76        | 10           | 8436         | 31.2                               | 151.9               | GGGG                 | 41                    | 20                   |
| 10437N                                  | 5711N             | 2497-17195                                         | 00000/0000       | 2-20026/0637        | 06/02/76        | 80           | 6930         | 51.0                               | 143.3               | GGGG                 | 41                    | 20                   |
| 10439N                                  | 5709N             | 2533-17185                                         | 00000/0000       | 2-20028/0960        | 07/08/76        | 90           | 7432         | 50.4                               | 140.4               | FGGG                 | 41                    | 20                   |
| 10439N                                  | 5705N             | 2515-17193                                         | 00000/0000       | 2-20027/0200        | 06/20/76        | 80           | 7181         | 51.8                               | 141.0               | GGGG                 | 41                    | 20                   |
| 10441N                                  | 5708N             | 2659-17150                                         | 00000/0000       | 2-20036/0280        | 11/11/76        | 0            | 9189         | 13.1                               | 158.6               | GGGG                 | 41                    | 20                   |
| 10443N                                  | 8039N             | 2539-21112                                         | 00000/0000       | 2-20028/1497        | 07/14/76        | 80           | 7518         | 29.4                               | 214.3               | GGGG                 | 65                    | 248                  |
| 10443N                                  | 5433N             | 2442-17162                                         | 00000/0000       | 2-20022/1714        | 04/08/76        | 0            | 6163         | 38.5                               | 146.4               | GGGG                 | 40                    | 22                   |
| 10443N                                  | 5145N             | 2459-17110                                         | 00000/0000       | 2-20024/0527        | 04/25/76        | 20           | 6400         | 46.2                               | 141.5               | GGGG                 | 39                    | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, RAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1355

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER % | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                  |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 10444N                      | 5427N             | 2478-17153            | 2-20025/1271         | 2-20025/0394     | 05/14/76         | 70              | 6665         | 49.6         | 142.2                 | GGG                 | GGGG                 | 40                    | 22                   |
| 10444N                      | 5140N             | 2477-17103            | 2-20025/1269         | 2-20025/0324     | 05/13/76         | 20              | 6651         | 51.0         | 138.5                 | GGG                 | GGGG                 | 39                    | 24                   |
| 10444N                      | 1558N             | 2469-16352            | 00000/0000           | 2-20024/1589     | 05/05/76         | 10              | 6539         | 56.4         | 84.2                  |                     | FFGG                 | 31                    | 49                   |
| 10445N                      | 5705N             | 2641-17154            | 00000/0000           | 2-20034/1151     | 10/24/76         | 80              | 8938         | 18.6         | 157.5                 |                     | FGGG                 | 41                    | 20                   |
| 10445N                      | 5144N             | 2441-17113            | 00000/0000           | 2-20022/1517     | 04/07/76         | 10              | 6149         | 40.0         | 143.6                 |                     | GFGG                 | 39                    | 24                   |
| 10445N                      | 5140N             | 2567-17081            | 00000/0000           | 2-20030/1142     | 08/11/76         | 10              | 7906         | 46.7         | 137.1                 |                     | GGGG                 | 39                    | 24                   |
| 10446N                      | 5434N             | 2586-17123            | 00000/0000           | 2-20032/0413     | 08/30/76         | 10              | 8171         | 39.5         | 145.0                 |                     | GGGG                 | 40                    | 22                   |
| 10446N                      | 5430N             | 2568-17130            | 00000/0000           | 2-20030/1166     | 08/12/76         | 80              | 7920         | 44.8         | 140.8                 |                     | GGGG                 | 40                    | 22                   |
| 10446N                      | 2144N             | 2434-16402            | 00000/0000           | 2-20022/0538     | 03/31/76         | 90              | 6051         | 51.3         | 111.5                 |                     | GGGG                 | 32                    | 45                   |
| 10447N                      | 5431N             | 2730-17071            | 00000/0000           | 2-20034/1534     | 01/21/77         | 80              | 179          | 11.1         | 150.6                 |                     | GGGG                 | 40                    | 22                   |
| 10447N                      | 5143N             | 2729-17022            | 00000/0000           | 2-20034/1532     | 01/20/77         | 40              | 165          | 13.0         | 149.3                 |                     | FFGG                 | 39                    | 24                   |
| 10447N                      | 2139N             | 2470-16392            | 00000/0000           | 2-20024/1596     | 05/06/76         | 10              | 6553         | 57.5         | 92.8                  |                     | GGGG                 | 32                    | 45                   |
| 10447N                      | 2137N             | 2488-16385            | 00000/0000           | 2-20025/0935     | 05/24/76         | 10              | 6804         | 58.2         | 84.9                  |                     | GGGG                 | 32                    | 45                   |
| 10447N                      | 1552N             | 2487-16345            | 00000/0000           | 2-20025/1184     | 05/23/76         | 40              | 6790         | 56.3         | 76.4                  |                     | GGGG                 | 31                    | 49                   |
| 10448N                      | 5144N             | 2585-17074            | 00000/0000           | 2-20032/0365     | 08/29/76         | 10              | 8157         | 41.6         | 141.7                 |                     | FGGG                 | 39                    | 24                   |
| 10448N                      | 5135N             | 2495-17101            | 00000/0000           | 2-20024/0493     | 05/31/76         | 10              | 6902         | 54.0         | 135.1                 |                     | FGGG                 | 39                    | 24                   |
| 10449N                      | 5428N             | 2624-17120            | 00000/0000           | 2-20032/1491     | 09/17/76         | 50              | 8422         | 33.6         | 149.1                 |                     | GGGG                 | 40                    | 22                   |
| 10449N                      | 5426N             | 2424-17170            | 00000/0000           | 2-20022/0406     | 03/21/76         | 70              | 5912         | 31.6         | 147.6                 |                     | F                    | 40                    | 22                   |
| 10449N                      | 5425N             | 2406-17173            | 2-20027/0571         | 00000/0000       | 03/03/76         | 10              | 5661         | 24.6         | 148.8                 | GGG                 |                      | 40                    | 22                   |
| 10449N                      | 5423N             | 2550-17133            | 00000/0000           | 2-20030/0084     | 07/25/76         | 10              | 7669         | 49.2         | 137.6                 |                     | GGGG                 | 40                    | 22                   |
| 10449N                      | 5422N             | 2496-17150            | 00000/0000           | 2-20026/0583     | 06/01/76         | 60              | 6916         | 52.5         | 139.2                 |                     | GGGG                 | 40                    | 22                   |
| 10449N                      | 5141N             | 2603-17071            | 00000/0000           | 2-20032/1404     | 09/16/76         | 0               | 8408         | 35.9         | 146.4                 |                     | GGGG                 | 39                    | 24                   |
| 10450N                      | 5425N             | 2676-17092            | 00000/0000           | 2-20037/0096     | 11/24/76         | 10              | 9426         | 11.3         | 156.9                 |                     | FGGG                 | 40                    | 22                   |
| 10450N                      | 5133N             | 2549-17084            | 00000/0000           | 2-20030/0120     | 07/24/76         | 60              | 7655         | 50.8         | 133.4                 |                     | GGGG                 | 39                    | 24                   |
| 10450N                      | 2141N             | 2596-16355            | 00000/0000           | 2-20032/1060     | 09/09/76         | 10              | 8310         | 52.2         | 110.9                 |                     | GGGG                 | 32                    | 45                   |
| 10451N                      | 5423N             | 2622-17113            | 00000/0000           | 2-20034/0385     | 10/05/76         | 90              | 8673         | 27.4         | 152.9                 |                     | GGGG                 | 40                    | 22                   |
| 10451N                      | 5135N             | 2531-17091            | 00000/0000           | 2-20024/1179     | 07/06/76         | 10              | 7404         | 53.6         | 131.8                 |                     | GGGG                 | 39                    | 24                   |
| 10451N                      | 5134N             | 2406-17124            | 2-20027/0539         | 00000/0000       | 03/02/76         | 100             | 5647         | 26.2         | 146.9                 | GGG                 |                      | 39                    | 24                   |
| 10452N                      | 5420N             | 2532-17147            | 00000/0000           | 2-20024/0880     | 07/07/76         | 40              | 7418         | 52.1         | 136.1                 |                     | GGGG                 | 40                    | 22                   |
| 10452N                      | 5129N             | 2513-17094            | 00000/0000           | 2-20026/1821     | 06/18/76         | 10              | 7153         | 54.8         | 132.4                 |                     | GGGG                 | 39                    | 24                   |
| 10453N                      | 5134N             | 2675-17043            | 00000/0000           | 2-20036/0288     | 11/27/76         | 50              | 9412         | 13.8         | 155.5                 |                     | GGFG                 | 39                    | 24                   |
| 10453N                      | 5133N             | 2621-17063            | 00000/0000           | 2-20034/0336     | 10/04/76         | 90              | 8659         | 29.8         | 150.6                 |                     | GGGG                 | 39                    | 24                   |
| 10453N                      | 5129N             | 2369-17133            | 00000/0000           | 2-20020/0448     | 01/26/76         | 70              | 5145         | 15.1         | 151.1                 |                     | FGGG                 | 39                    | 24                   |
| 10454N                      | 5414N             | 2388-17180            | 00000/0000           | 2-20020/1273     | 02/14/76         | 80              | 5410         | 18.3         | 150.3                 |                     | GGGG                 | 40                    | 22                   |
| 10454N                      | 5128N             | 2387-17131            | 00000/0000           | 2-20020/1412     | 02/13/76         | 10              | 5396         | 20.0         | 148.7                 |                     | GGGG                 | 39                    | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK) LOW GAIN, H=HIGH GAIN

02:44 APR 23, 1977

LANDSAT-2  
COORDINATE LISTINGS  
FOR JONASUS  
FROM J1/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG | LAT   | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER % | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV<br>123 | QUAL<br>MSS<br>45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-------------------------------------|-------|-------------------|------------------------------|-----------------------------|------------------|------------------|-----------------|--------------|--------------|--------------------------|----------------------|---------------------|----------------------|-----------------------|----------------------|
| 10454N                              | 2136N | 2614-1635P        | 02000/0000                   | 2-20034/0119                | 09/27/76         | 60               | 8561            | 49.6         | 121.3        |                          |                      |                     |                      | 32                    | 45                   |
| 10455N                              | 5418N | 2640-1710S        | 00000/0000                   | 2-20034/1138                | 10/23/76         | 50               | 8924            | 21.2         | 155.6        | GGGG                     |                      |                     |                      | 40                    | 22                   |
| 10455N                              | 5417N | 2658-1710J        | 00000/0000                   | 2-20036/0206                | 11/10/76         | 10               | 9175            | 15.7         | 156.9        | GGGG                     |                      |                     |                      | 40                    | 22                   |
| 10455N                              | 5130N | 2657-1705P        | 00000/0000                   | 2-20036/0115                | 11/09/76         | 70               | 9161            | 18.2         | 155.3        | GGGG                     |                      |                     |                      | 39                    | 24                   |
| 10455N                              | 5129N | 2639-1706Q        | 00000/0000                   | 2-20034/1049                | 10/22/76         | 60               | 8910            | 23.8         | 153.7        | FFFF                     |                      |                     |                      | 39                    | 24                   |
| 10504N                              | 2601N | 2471-1643S        | 00000/0000                   | 2-20024/1790                | 05/07/76         | 0                | 6567            | 57.9         | 99.6         | GGGG                     |                      |                     |                      | 33                    | 42                   |
| 10505N                              | 8016N | 2559-2047Z        | 00000/0000                   | 2-20032/0669                | 09/02/76         | 20               | 8215            | 16.3         | 208.0        | GGGG                     |                      |                     |                      | 65                    | 248                  |
| 10505N                              | 2555N | 2439-1643Z        | 00000/0000                   | 2-20024/0066                | 05/25/76         | 10               | 6818            | 59.0         | 91.9         | GGGG                     |                      |                     |                      | 33                    | 42                   |
| 10505N                              | 1431N | 2459-1635A        | 00000/0000                   | 2-20024/1590                | 05/05/76         | 30               | 6539            | 56.0         | 82.1         | GGGG                     |                      |                     |                      | 21                    | 50                   |
| 10506N                              | 2601N | 2435-1644S        | 00000/0000                   | 2-20022/1301                | 04/01/76         | 30               | 6065            | 50.5         | 116.6        | GGGG                     |                      |                     |                      | 33                    | 42                   |
| 10508N                              | 2559N | 2597-1640Z        | 00000/0000                   | 2-20032/1130                | 09/10/76         | 50               | 8324            | 51.0         | 117.1        | GGGG                     |                      |                     |                      | 33                    | 42                   |
| 10508N                              | 2017N | 2434-1640S        | 00000/0000                   | 2-20022/0939                | 03/31/76         | 40               | 6051            | 51.6         | 109.6        | GGGG                     |                      |                     |                      | 32                    | 46                   |
| 10508N                              | 2013N | 2470-1639A        | 00000/0000                   | 2-20024/1597                | 05/06/76         | 10               | 6553            | 57.3         | 90.4         | GGGG                     |                      |                     |                      | 32                    | 46                   |
| 10509N                              | 2010N | 2458-1639Z        | 00000/0000                   | 2-20025/0936                | 05/24/76         | 10               | 6804            | 57.8         | 82.6         | GGGG                     |                      |                     |                      | 32                    | 46                   |
| 10512N                              | 2556N | 2615-1639S        | 00000/0000                   | 2-20034/0105                | 09/28/76         | 90               | 8575            | 47.6         | 126.7        | GGGG                     |                      |                     |                      | 33                    | 42                   |
| 10512N                              | 2015N | 2596-1636Z        | 00000/0000                   | 2-20032/1061                | 09/09/76         | 40               | 8310            | 52.5         | 108.9        | PPPP                     |                      |                     |                      | 32                    | 46                   |
| 10515N                              | 2010N | 2614-1635S        | 00000/0000                   | 2-20034/0120                | 09/27/76         | 90               | 8561            | 50.1         | 113.5        | GGGG                     |                      |                     |                      | 32                    | 46                   |
| 10516N                              | 5558N | 2461-1721I        | 00000/0000                   | 2-20024/0241                | 04/27/76         | 40               | 6428            | 44.1         | 148.3        | GGGG                     |                      |                     |                      | 41                    | 21                   |
| 10520N                              | 5558N | 2443-1721A        | 00000/0000                   | 2-20022/1766                | 04/09/76         | 20               | 6177            | 37.9         | 147.8        | GGGG                     |                      |                     |                      | 41                    | 21                   |
| 10520N                              | 5557N | 2569-1713Z        | 00000/0000                   | 2-20032/1172                | 08/13/76         | 20               | 7934            | 43.7         | 142.8        | GGG                      |                      |                     |                      | 41                    | 21                   |
| 10522N                              | 5553N | 2479-1720A        | 00000/0000                   | 2-20025/0671                | 05/15/76         | 40               | 6679            | 48.9         | 144.0        | GGGG                     |                      |                     |                      | 41                    | 21                   |
| 10523N                              | 5312N | 2460-1716Z        | 00000/0000                   | 2-20024/0604                | 04/26/76         | 30               | 6414            | 45.6         | 143.1        | GGFG                     |                      |                     |                      | 40                    | 23                   |
| 10524N                              | 5021N | 2459-1711Z        | 00000/0000                   | 2-20024/0528                | 04/25/76         | 10               | 6400            | 47.0         | 139.8        | GGGF                     |                      |                     |                      | 39                    | 25                   |
| 10524N                              | 5015N | 2477-1711Q        | 2-20025/1270                 | 2-20025/0325                | 05/13/76         | 10               | 6651            | 51.8         | 136.5        | GGG                      | GGGG                 |                     |                      | 39                    | 25                   |
| 10525N                              | 5558N | 2537-1717S        | 00000/0000                   | 2-20032/0444                | 08/31/76         | 80               | 8185            | 38.3         | 146.7        | GGGG                     |                      |                     |                      | 41                    | 21                   |
| 10525N                              | 5548N | 2551-1718S        | 00000/0000                   | 2-20032/0247                | 07/26/76         | 80               | 7683            | 48.1         | 139.7        | GGGG                     |                      |                     |                      | 41                    | 21                   |
| 10525N                              | 5019N | 2441-1712Q        | 00000/0000                   | 2-20022/1518                | 04/07/76         | 0                | 6149            | 40.9         | 142.2        | GGGF                     |                      |                     |                      | 39                    | 25                   |
| 10525N                              | 5016N | 2567-1708Z        | 00000/0000                   | 2-20030/1143                | 08/11/76         | 10               | 7906            | 47.5         | 135.3        | GGGG                     |                      |                     |                      | 39                    | 25                   |
| 10527N                              | 5554N | 2605-1717Z        | 00000/0000                   | 2-20032/1515                | 09/18/76         | 10               | 8436            | 32.3         | 150.6        | GGGG                     |                      |                     |                      | 41                    | 21                   |
| 10527N                              | 5548N | 2497-1720Z        | 00000/0000                   | 2-20026/0638                | 06/02/76         | 90               | 6930            | 51.8         | 141.2        | GGGG                     |                      |                     |                      | 41                    | 21                   |
| 10527N                              | 5021N | 2711-1703Z        | 00000/0000                   | 2-20038/0694                | 01/02/77         | 80               | 9914            | 11.9         | 151.4        | FGGG                     |                      |                     |                      | 39                    | 25                   |
| 10527N                              | 2434N | 2471-1644J        | 00000/0000                   | 2-20024/1791                | 05/07/76         | 0                | 6567            | 57.9         | 97.2         | GGGG                     |                      |                     |                      | 33                    | 43                   |
| 10528N                              | 5308N | 2442-1716S        | 00000/0000                   | 2-20022/1715                | 04/08/76         | 0                | 6163            | 39.4         | 145.0        | GGGG                     |                      |                     |                      | 40                    | 23                   |
| 10528N                              | 5019N | 2585-1708Q        | 00000/0000                   | 2-20032/0366                | 08/29/76         | 30               | 8157            | 42.5         | 140.2        | GGGG                     |                      |                     |                      | 39                    | 25                   |
| 10528N                              | 5018N | 2729-1702S        | 00000/0000                   | 2-20032/1533                | 01/20/77         | 80               | 165             | 14.0         | 148.6        | GGGG                     |                      |                     |                      | 39                    | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, RAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 10528N                      | 2429N             | 2489-16435            | 00000/0000           | 2-20026/0067     | 05/25/76            | 10              | 6818         | 58.8         | 89.4                  | GGGG                |                      | 33                    | 43                   |
| 10529N                      | 5541N             | 2515-17195            | 00000/0000           | 2-20027/0201     | 06/23/76            | 90              | 7181         | 52.6         | 138.9                 | GGGG                |                      | 41                    | 21                   |
| 10529N                      | 5302N             | 2478-17155            | 2-20025/1272         | 2-20025/0395     | 05/14/76            | 10              | 6665         | 50.4         | 140.2                 | GGG                 | GGGG                 | 40                    | 23                   |
| 10529N                      | 2435N             | 2435-16451            | 00000/0000           | 2-20022/1302     | 04/01/76            | 30              | 6065         | 50.9         | 114.7                 |                     | GGGG                 | 33                    | 43                   |
| 10530W                      | 5546N             | 2533-17190            | 00000/0000           | 2-20028/0961     | 07/08/76            | 90              | 7432         | 51.2         | 138.3                 |                     | GGGG                 | 41                    | 21                   |
| 10530W                      | 5016N             | 2603-17073            | 00000/0000           | 2-20032/1405     | 09/16/76            | 0               | 8408         | 36.9         | 145.2                 |                     | GGGG                 | 39                    | 25                   |
| 10530W                      | 5016N             | 2693-17041            | 00000/0000           | 2-20037/0854     | 12/15/76            | 30              | 9663         | 12.3         | 153.6                 |                     | GGGF                 | 39                    | 25                   |
| 10530W                      | 5013N             | 2423-17129            | 00000/0000           | 2-20022/0261     | 03/20/76            | 90              | 5898         | 34.1         | 144.1                 |                     | GGGG                 | 39                    | 25                   |
| 10530W                      | 1850N             | 2434-16411            | 00000/0000           | 2-20022/0940     | 03/31/76            | 60              | 6051         | 51.8         | 107.7                 |                     | GGGG                 | 32                    | 47                   |
| 10530W                      | 1846N             | 2470-16401            | 00000/0000           | 2-20024/1598     | 05/06/76            | 10              | 6553         | 57.1         | 88.1                  |                     | FGGG                 | 32                    | 47                   |
| 10530W                      | 1844N             | 2488-16394            | 00000/0000           | 2-20025/0937     | 05/24/76            | 10              | 6804         | 57.3         | 80.3                  |                     | FGFG                 | 32                    | 47                   |
| 10531W                      | 5544N             | 2659-17152            | 00000/0000           | 2-20036/0281     | 11/11/76            | 10              | 9189         | 14.2         | 157.8                 |                     | GGGG                 | 41                    | 21                   |
| 10531W                      | 5310N             | 2586-17125            | 00000/0000           | 2-20032/0414     | 08/30/76            | 10              | 8171         | 40.4         | 143.5                 |                     | GGGG                 | 40                    | 23                   |
| 10531W                      | 5306N             | 2568-17132            | 00000/0000           | 2-20030/1167     | 08/12/76            | 80              | 7920         | 45.7         | 139.1                 |                     | GGGG                 | 40                    | 23                   |
| 10531W                      | 5011N             | 2531-17093            | 00000/0000           | 2-20028/1180     | 07/06/76            | 10              | 7404         | 54.3         | 129.6                 |                     | GGGG                 | 39                    | 25                   |
| 10532N                      | 2433N             | 2597-16405            | 00000/0000           | 2-20032/1131     | 09/10/76            | 30              | 8324         | 51.4         | 115.3                 |                     | GGGG                 | 33                    | 43                   |
| 10533N                      | 5543N             | 2623-17164            | 00000/0000           | 2-20034/0424     | 10/06/76            | 30              | 8687         | 26.0         | 154.1                 |                     | G                    | 41                    | 21                   |
| 10533N                      | 5306N             | 2730-17074            | 00000/0000           | 2-20038/1535     | 01/21/77            | 70              | 179          | 12.2         | 149.9                 |                     | GGGF                 | 40                    | 23                   |
| 10533N                      | 5304N             | 2694-17090            | 00000/0000           | 2-20037/0935     | 12/16/76            | 10              | 9677         | 10.0         | 154.8                 |                     | GGGG                 | 40                    | 23                   |
| 10533N                      | 5259N             | 2550-17140            | 00000/0000           | 2-20030/0085     | 07/25/76            | 10              | 7669         | 49.9         | 135.6                 |                     | GGGG                 | 40                    | 23                   |
| 10533N                      | 5258N             | 2496-17152            | 00000/0000           | 2-20026/0584     | 06/01/76            | 40              | 6916         | 53.3         | 137.1                 |                     | GGGG                 | 40                    | 23                   |
| 10534N                      | 5537N             | 2389-17232            | 00000/0000           | 2-20020/1528     | 02/15/76            | 80              | 5424         | 17.6         | 151.1                 |                     | G                    | 41                    | 21                   |
| 10534W                      | 5304N             | 2604-17122            | 00000/0000           | 2-20032/1492     | 09/17/76            | 30              | 8422         | 34.6         | 147.9                 |                     | GGGG                 | 40                    | 23                   |
| 10534W                      | 5302N             | 2424-17172            | 00000/0000           | 2-20022/0408     | 03/21/76            | 90              | 5912         | 32.6         | 146.4                 |                     | FG                   | 40                    | 23                   |
| 10534W                      | 5301N             | 2406-17180            | 2-20027/0572         | 00000/0000       | 03/03/76            | 10              | 5661         | 25.6         | 147.8                 | GGG                 |                      | 40                    | 23                   |
| 10534W                      | 1848N             | 2596-16364            | 00000/0000           | 2-20032/1062     | 09/09/76            | 20              | 8310         | 52.7         | 107.0                 |                     | GGGG                 | 32                    | 47                   |
| 10535W                      | 5542N             | 2641-17161            | 00000/0000           | 2-20034/1152     | 10/24/76            | 80              | 8938         | 19.8         | 156.6                 |                     | GGGG                 | 41                    | 21                   |
| 10535W                      | 5301N             | 2676-17095            | 00000/0000           | 2-20037/0097     | 11/28/76            | 0               | 9426         | 12.4         | 156.2                 |                     | GGGG                 | 40                    | 23                   |
| 10535N                      | 2430N             | 2615-16401            | 00000/0000           | 2-20034/0106     | 09/28/76            | 90              | 8575         | 48.2         | 125.1                 |                     | GGGG                 | 33                    | 43                   |
| 10536W                      | 5259N             | 2622-17115            | 00000/0000           | 2-20034/0386     | 10/05/76            | 70              | 8673         | 28.4         | 151.8                 |                     | GGGG                 | 40                    | 23                   |
| 10536W                      | 5256N             | 2532-17143            | 00000/0000           | 2-20028/0881     | 07/07/76            | 40              | 7418         | 52.8         | 134.0                 |                     | GGGG                 | 40                    | 23                   |
| 10537W                      | 1844N             | 2614-16361            | 00000/0000           | 2-20034/0121     | 09/27/76            | 90              | 8561         | 50.6         | 117.8                 |                     | FGGG                 | 32                    | 47                   |
| 10539N                      | 5254N             | 2640-17111            | 00000/0000           | 2-20034/1139     | 10/23/76            | 80              | 8924         | 22.3         | 154.7                 |                     | GGGG                 | 40                    | 23                   |
| 10539N                      | 5253N             | 2658-17103            | 00000/0000           | 2-20036/0207     | 11/10/76            | 0               | 9175         | 16.8         | 156.2                 |                     | GGGG                 | 40                    | 23                   |
| 10539W                      | 5251N             | 2370-17185            | 00000/0000           | 2-20020/1341     | 01/27/76            | 90              | 5159         | 14.3         | 151.7                 |                     | GGGG                 | 40                    | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 26, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1358

| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>- POSITION<br>RBV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|--------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10539                       | 5250N | 2388-17183 | 00000/0000        | 2-20020/1274                   | 02/14/76                    | 100              | 5410                | 19.3            | 149.5        |              | GGGG                               |                     |                      | 40                    | 23                   |
| 10541                       | 8013N | 2481-20502 | 00000/0000        | 2-20025/0919                   | 05/17/76                    | 30               | 6709                | 28.1            | 210.1        |              | GGGF                               |                     |                      | 78                    | 1                    |
| 10550                       | 2308N | 2471-16444 | 00000/0000        | 2-20024/1792                   | 05/07/76                    | 10               | 6567                | 57.8            | 94.7         |              | GGGG                               |                     |                      | 33                    | 44                   |
| 10551                       | 2303N | 2489-16441 | 00000/0000        | 2-20026/0068                   | 05/25/76                    | 10               | 6818                | 58.5            | 87.0         |              | GGGG                               |                     |                      | 33                    | 44                   |
| 10551                       | 1720N | 2470-16403 | 00000/0000        | 2-20024/1599                   | 05/06/76                    | 40               | 6553                | 56.8            | 85.8         |              | GGGG                               |                     |                      | 32                    | 45                   |
| 10552                       | 2308N | 2435-16454 | 00000/0000        | 2-20027/1303                   | 04/01/76                    | 20               | 6065                | 51.3            | 112.9        |              | GGGG                               |                     |                      | 33                    | 44                   |
| 10552                       | 1718N | 2488-16401 | 00000/0000        | 2-20025/0938                   | 05/24/76                    | 30               | 6804                | 56.8            | 78.1         |              | FGGG                               |                     |                      | 32                    | 48                   |
| 10554                       | 8005N | 2516-20435 | 00000/0000        | 2-20027/0276                   | 06/21/76                    | 10               | 7197                | 32.4            | 206.9        |              | FGGG                               |                     |                      | 78                    | 1                    |
| 10554                       | 2306N | 2597-16411 | 00000/0000        | 2-20032/1132                   | 09/10/76                    | 10               | 8324                | 51.8            | 113.4        |              | GGGG                               |                     |                      | 33                    | 44                   |
| 10557                       | 8040N | 2540-21170 | 00000/0000        | 2-20028/1378                   | 07/15/76                    | 90               | 7532                | 29.3            | 214.5        |              | GGG                                |                     |                      | 66                    | 248                  |
| 10557                       | 2303N | 2615-16404 | 00000/0000        | 2-20034/0107                   | 09/23/76                    | 90               | 8575                | 48.8            | 123.5        |              | GGGG                               |                     |                      | 33                    | 44                   |
| 10604                       | 7834N | 2543-19521 | 00000/0000        | 2-20028/1863                   | 07/18/76                    | 90               | 7573                | 32.1            | 191.8        |              | FGGG                               |                     |                      | 69                    | 3                    |
| 10604                       | 5434N | 2461-17214 | 00000/0000        | 2-20024/0242                   | 04/27/76                    | 50               | 6428                | 45.0            | 144.6        |              | FFGG                               |                     |                      | 41                    | 22                   |
| 10606                       | 5147N | 2460-17164 | 00000/0000        | 2-20024/0605                   | 04/26/76                    | 40               | 6414                | 46.5            | 141.4        |              | GGGG                               |                     |                      | 40                    | 24                   |
| 10607                       | 5433N | 2569-17184 | 00000/0000        | 2-20030/1173                   | 08/13/76                    | 60               | 7934                | 44.5            | 141.1        |              | GGG                                |                     |                      | 41                    | 22                   |
| 10608                       | 5435N | 2443-17221 | 00000/0000        | 2-20027/1767                   | 04/09/76                    | 10               | 6177                | 38.9            | 146.3        |              | FGG                                |                     |                      | 41                    | 22                   |
| 10608                       | 2727N | 2472-16490 | 00000/0000        | 2-20025/0022                   | 05/08/76                    | 50               | 6581                | 58.0            | 101.6        |              | GGGG                               |                     |                      | 34                    | 41                   |
| 10609                       | 2723N | 2490-16484 | 00000/0000        | 2-20024/0282                   | 05/26/76                    | 0                | 6832                | 59.2            | 94.2         |              | GGGG                               |                     |                      | 34                    | 41                   |
| 10610                       | 5429N | 2479-17211 | 00000/0000        | 2-20025/0672                   | 05/15/76                    | 40               | 6679                | 49.8            | 142.1        |              | GGGG                               |                     |                      | 41                    | 22                   |
| 10611                       | 5427N | 2425-17224 | 00000/0000        | 2-20022/0413                   | 03/22/76                    | 20               | 5926                | 32.0            | 147.5        |              | GGGG                               |                     |                      | 41                    | 22                   |
| 10611                       | 5138N | 2478-17162 | 2-20025/1273      | 2-20025/0396                   | 05/14/76                    | 10               | 6665                | 51.3            | 138.3        | GGG          | GGGG                               |                     |                      | 40                    | 24                   |
| 10611                       | 2726N | 2598-16454 | 00000/0000        | 2-20032/0848                   | 09/11/76                    | 10               | 8338                | 50.3            | 119.5        |              | GGGG                               |                     |                      | 34                    | 41                   |
| 10611                       | 2724N | 2616-16451 | 00000/0000        | 2-20034/0232                   | 09/29/76                    | 80               | 8589                | 46.7            | 128.7        |              | GGGG                               |                     |                      | 34                    | 41                   |
| 10612                       | 5432N | 2731-17125 | 00000/0000        | 2-20032/1583                   | 01/22/77                    | 100              | 193                 | 11.3            | 150.5        |              | FGGF                               |                     |                      | 41                    | 22                   |
| 10612                       | 5425N | 2551-17191 | 00000/0000        | 2-20030/0248                   | 07/26/76                    | 70               | 7683                | 48.9            | 137.7        |              | GGGG                               |                     |                      | 41                    | 22                   |
| 10612                       | 5418N | 2407-17232 | 00000/0000        | 2-20021/1090                   | 03/04/76                    | 10               | 5675                | 25.0            | 148.7        |              | F                                  |                     |                      | 41                    | 22                   |
| 10612                       | 1553N | 2470-16410 | 00000/0000        | 2-20024/1600                   | 05/06/76                    | 60               | 6553                | 56.4            | 83.6         |              | GGGG                               |                     |                      | 32                    | 49                   |
| 10613                       | 5434N | 2587-17181 | 00000/0000        | 2-20032/0445                   | 08/31/76                    | 90               | 8185                | 39.2            | 145.2        |              | GGGG                               |                     |                      | 41                    | 22                   |
| 10613                       | 5145N | 2586-17137 | 00000/0000        | 2-20032/0415                   | 08/30/76                    | 10               | 8171                | 41.3            | 142.0        |              | GGGG                               |                     |                      | 40                    | 24                   |
| 10613                       | 5141N | 2568-17135 | 00000/0000        | 2-20030/1168                   | 08/12/76                    | 60               | 7920                | 46.5            | 137.3        |              | GGGG                               |                     |                      | 40                    | 24                   |
| 10613                       | 2141N | 2471-16450 | 00000/0000        | 2-20024/1793                   | 05/07/76                    | 20               | 6567                | 57.6            | 92.3         |              | FGGG                               |                     |                      | 33                    | 45                   |
| 10613                       | 2137N | 2489-16444 | 00000/0000        | 2-20026/0069                   | 05/25/76                    | 20               | 6818                | 58.2            | 84.6         |              | GGGG                               |                     |                      | 33                    | 45                   |
| 10613                       | 1552N | 2488-16403 | 00000/0000        | 2-20025/0939                   | 05/24/76                    | 80               | 6804                | 56.3            | 76.0         |              | GGGG                               |                     |                      | 32                    | 49                   |
| 10614                       | 5429N | 2605-17174 | 00000/0000        | 2-20032/1516                   | 09/18/76                    | 10               | 8436                | 33.3            | 149.4        |              | GGGG                               |                     |                      | 41                    | 22                   |
| 10614                       | 5424N | 2497-17204 | 00000/0000        | 2-20026/0639                   | 06/02/76                    | 70               | 6930                | 52.6            | 139.1        |              | GGGG                               |                     |                      | 41                    | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR US-105  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | QBY                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 10614N                      | 2141N             | 2435-16460            | 00000/0000           | 2-20022/1304     | 04/01/76            | 20              | 6065         | 51.6         | 111.0                 | FGGG                |                      | 33                    | 45                   |
| 10615N                      | 5135N             | 2550-17142            | 00000/0000           | 2-20030/0086     | 07/25/76            | 10              | 7669         | 50.6         | 133.6                 | GGGG                |                      | 40                    | 24                   |
| 10615N                      | 5134N             | 2496-17155            | 00000/0000           | 2-20026/0585     | 06/01/76            | 20              | 6916         | 54.1         | 134.9                 | FGGG                |                      | 40                    | 24                   |
| 10616N                      | 5423N             | 2677-17150            | 00000/0000           | 2-20037/0582     | 11/29/76            | 60              | 9440         | 11.1         | 156.8                 | FGGF                |                      | 41                    | 22                   |
| 10616N                      | 5142N             | 2730-17080            | 00000/0000           | 2-20038/1536     | 01/21/77            | 80              | 179          | 13.2         | 149.2                 | GGGG                |                      | 40                    | 24                   |
| 10616N                      | 5139N             | 2604-17125            | 00000/0000           | 2-20032/1493     | 09/17/76            | 10              | 8422         | 35.6         | 146.7                 | GGGG                |                      | 40                    | 24                   |
| 10616N                      | 5139N             | 2694-17093            | 00000/0000           | 2-20037/0936     | 12/16/76            | 30              | 9677         | 11.1         | 154.2                 | GGGG                |                      | 40                    | 24                   |
| 10616N                      | 5137N             | 2406-17182            | 2-20027/0540         | 00000/0000       | 03/03/76            | 60              | 5661         | 26.6         | 146.8                 | GGG                 |                      | 40                    | 24                   |
| 10616N                      | 2139N             | 2597-16414            | 00000/0000           | 2-20032/1133     | 09/10/76            | 30              | 8324         | 52.1         | 111.5                 | FGGG                |                      | 33                    | 45                   |
| 10617N                      | 5421N             | 2533-17194            | 00000/0000           | 2-20028/0962     | 07/08/76            | 80              | 7432         | 52.0         | 136.2                 | FGGG                |                      | 41                    | 22                   |
| 10617N                      | 5138N             | 2424-17175            | 00000/0000           | 2-20022/0409     | 03/21/76            | 90              | 5912         | 33.5         | 145.2                 | FFGG                |                      | 40                    | 24                   |
| 10617N                      | 5137N             | 2676-17101            | 00000/0000           | 2-20037/0098     | 11/28/76            | 10              | 9426         | 13.6         | 155.5                 | GGGG                |                      | 40                    | 24                   |
| 10618N                      | 5420N             | 2659-17155            | 00000/0000           | 2-20036/0282     | 11/11/76            | 20              | 9189         | 15.4         | 157.0                 | GGGG                |                      | 41                    | 22                   |
| 10619N                      | 5134N             | 2622-17122            | 00000/0000           | 2-20034/0387     | 10/05/76            | 40              | 8673         | 29.5         | 150.8                 | GGGG                |                      | 40                    | 24                   |
| 10619N                      | 5131N             | 2532-17145            | 00000/0000           | 2-20028/0882     | 07/07/76            | 60              | 7418         | 53.5         | 131.8                 | GGGG                |                      | 40                    | 24                   |
| 10620N                      | 2137N             | 2615-16410            | 00000/0000           | 2-20034/0108     | 09/28/76            | 90              | 8575         | 49.4         | 121.8                 | GGGG                |                      | 33                    | 45                   |
| 10621N                      | 5419N             | 2623-17171            | 00000/0000           | 2-20034/0425     | 10/06/76            | 90              | 8687         | 27.1         | 153.0                 | GGGG                |                      | 41                    | 22                   |
| 10621N                      | 5414N             | 2371-17241            | 00000/0000           | 2-20020/0519     | 01/28/76            | 40              | 5173         | 13.5         | 152.3                 | G                   |                      | 41                    | 22                   |
| 10621N                      | 5129N             | 2658-17110            | 00000/0000           | 2-20036/0208     | 11/10/76            | 20              | 9175         | 17.9         | 155.4                 | GGGG                |                      | 40                    | 24                   |
| 10621N                      | 5127N             | 2370-17192            | 00000/0000           | 2-20020/1342     | 01/27/76            | 90              | 5159         | 15.4         | 150.9                 | GGGG                |                      | 40                    | 24                   |
| 10621N                      | 5126N             | 2388-17185            | 00000/0000           | 2-20020/1275     | 02/14/76            | 80              | 5410         | 20.3         | 148.6                 | GGGG                |                      | 40                    | 24                   |
| 10622N                      | 5418N             | 2641-17163            | 00000/0000           | 2-20034/1153     | 10/24/76            | 70              | 8938         | 20.9         | 155.7                 | GGGG                |                      | 41                    | 22                   |
| 10622N                      | 5413N             | 2389-17235            | 00000/0000           | 2-20020/1529     | 02/15/76            | 70              | 5424         | 18.6         | 150.2                 | FGGG                |                      | 41                    | 22                   |
| 10622N                      | 5129N             | 2640-17114            | 00000/0000           | 2-20034/1140     | 10/23/76            | 80              | 8924         | 23.4         | 153.8                 | GGGG                |                      | 40                    | 24                   |
| 10623N                      | 8015N             | 2446-20570            | 00000/0000           | 2-20023/0100     | 04/12/76            | 10              | 6221         | 17.6         | 209.0                 | FGFG                |                      | 79                    | 1                    |
| 10629N                      | 5844N             | 2571-17285            | 00000/0000           | 2-20030/1404     | 08/15/76            | 20              | 7962         | 41.3         | 146.6                 | GGGG                |                      | 43                    | 19                   |
| 10630N                      | 2600N             | 2472-16493            | 00000/0000           | 2-20025/0023     | 05/08/76            | 20              | 6581         | 58.0         | 99.1                  | GGGG                |                      | 34                    | 42                   |
| 10632N                      | 2557N             | 2490-16490            | 00000/0000           | 2-20026/0283     | 05/26/76            | 10              | 6832         | 59.1         | 91.7                  | GGFG                |                      | 34                    | 42                   |
| 10633N                      | 8009N             | 2499-20495            | 00000/0000           | 2-20026/1199     | 06/04/76            | 90              | 6960         | 31.3         | 208.8                 | GGGG                |                      | 79                    | 1                    |
| 10633N                      | 1427N             | 2470-16412            | 00000/0000           | 2-20024/1601     | 05/06/76            | 70              | 6553         | 56.0         | 81.5                  | GGGG                |                      | 32                    | 50                   |
| 10634N                      | 7937N             | 2459-20282            | 00000/0000           | 2-20024/0638     | 04/25/76            | 20              | 6402         | 23.1         | 202.7                 | GGGG                |                      | 74                    | 2                    |
| 10634N                      | 2600N             | 2598-16460            | 00000/0000           | 2-20032/0849     | 09/11/76            | 10              | 8338         | 50.8         | 117.7                 | FFFF                |                      | 34                    | 42                   |
| 10634N                      | 2010N             | 2489-16450            | 00000/0000           | 2-20026/0070     | 05/25/76            | 20              | 6818         | 57.7         | 82.2                  | GGGG                |                      | 33                    | 46                   |
| 10635N                      | 2559N             | 2616-16453            | 00000/0000           | 2-20034/0233     | 09/29/76            | 80              | 8589         | 47.3         | 127.2                 | GGGG                |                      | 34                    | 42                   |
| 10635N                      | 2014N             | 2435-16463            | 00000/0000           | 2-20022/1305     | 04/01/76            | 20              | 6065         | 51.9         | 109.0                 | GGGG                |                      | 33                    | 46                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR CONUS  
FROM 01/22/76 TO 01/22/77

PAGE 1360

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10635W                                  | 2014N             | 2471-16453                   | 00000/0000                  | 2-20024/1794     | 05/07/76            | 50              | 6567         | 57.4         | 90.0                               | FGGG                |                      | 33                    | 46                   |
| 10638W                                  | 2012N             | 2597-16420                   | 00000/0000                  | 2-20032/1134     | 09/10/76            | 90              | 8324         | 52.4         | 109.5                              | GGGF                |                      | 33                    | 46                   |
| 10642W                                  | 2011N             | 2615-16413                   | 00000/0000                  | 2-20034/0109     | 09/28/76            | 100             | 8575         | 49.9         | 120.1                              | GGGG                |                      | 33                    | 46                   |
| 10647W                                  | 5022N             | 2460-17171                   | 00000/0000                  | 2-20024/0606     | 04/26/76            | 10              | 6414         | 47.3         | 139.7                              | GGGG                |                      | 40                    | 25                   |
| 10649W                                  | 5309N             | 2461-17220                   | 00000/0000                  | 2-20024/0243     | 04/27/76            | 60              | 6428         | 45.9         | 142.9                              | GGGG                |                      | 41                    | 23                   |
| 10650W                                  | 5558N             | 2588-17232                   | 00000/0000                  | 2-20032/0664     | 09/01/76            | 80              | 8199         | 38.0         | 146.9                              | GGGG                |                      | 42                    | 21                   |
| 10651W                                  | 8016N             | 2572-20533                   | 00000/0000                  | 2-20030/1395     | 08/16/76            | 100             | 7978         | 22.3         | 207.3                              | GGGG                |                      | 67                    | 248                  |
| 10651W                                  | 5013N             | 2478-17164                   | 2-20025/1274                | 2-20025/0397     | 05/14/76            | 60              | 6665         | 52.1         | 136.3                              | GGG                 | GGGG                 | 40                    | 25                   |
| 10652W                                  | 5308N             | 2569-17191                   | 00000/0000                  | 2-20030/1174     | 08/13/76            | 90              | 7934         | 45.4         | 139.3                              | GGG                 |                      | 41                    | 23                   |
| 10652W                                  | 5019N             | 2712-17091                   | 00000/0000                  | 2-20032/0772     | 01/03/77            | 90              | 9928         | 12.0         | 151.3                              | GGGG                |                      | 40                    | 25                   |
| 10653W                                  | 5310N             | 2443-17223                   | 00000/0000                  | 2-20022/1768     | 04/09/76            | 0               | 6177         | 39.8         | 144.9                              | GGGG                |                      | 41                    | 23                   |
| 10653W                                  | 5017N             | 2568-17141                   | 00000/0000                  | 2-20030/1169     | 08/12/76            | 20              | 7920         | 47.2         | 135.6                              | GGGG                |                      | 40                    | 25                   |
| 10653W                                  | 2434N             | 2472-16495                   | 00000/0000                  | 2-20025/0024     | 05/08/76            | 10              | 6581         | 58.0         | 96.7                               | GGGG                |                      | 34                    | 43                   |
| 10654W                                  | 5021N             | 2586-17134                   | 00000/0000                  | 2-20032/0416     | 08/30/76            | 20              | 8171         | 42.2         | 140.5                              | GGGG                |                      | 40                    | 25                   |
| 10655W                                  | 5304N             | 2479-17213                   | 00000/0000                  | 2-20025/0673     | 05/15/76            | 40              | 6679         | 50.6         | 140.1                              | GGGG                |                      | 41                    | 23                   |
| 10656W                                  | 5540N             | 2516-17257                   | 00000/0000                  | 2-20027/0289     | 06/21/76            | 90              | 7195         | 52.6         | 138.8                              | GGGG                |                      | 42                    | 21                   |
| 10656W                                  | 5017N             | 2730-17043                   | 00000/0000                  | 2-20038/1537     | 01/21/77            | 90              | 179          | 14.2         | 148.5                              | FGGG                |                      | 40                    | 25                   |
| 10656W                                  | 5014N             | 2604-17131                   | 00000/0000                  | 2-20032/1494     | 09/17/76            | 20              | 8422         | 36.6         | 145.4                              | GGGG                |                      | 40                    | 25                   |
| 10656W                                  | 5013N             | 2424-17181                   | 00000/0000                  | 2-20022/0410     | 03/21/76            | 30              | 5912         | 34.5         | 144.0                              | FGGG                |                      | 40                    | 25                   |
| 10656W                                  | 1844N             | 2489-16453                   | 00000/0000                  | 2-20026/0071     | 05/25/76            | 20              | 6818         | 57.3         | 80.0                               | GGGG                |                      | 33                    | 47                   |
| 10657W                                  | 5307N             | 2731-17132                   | 00000/0000                  | 2-20033/1534     | 01/22/77            | 80              | 193          | 12.4         | 149.8                              | FGGG                |                      | 41                    | 23                   |
| 10657W                                  | 5304N             | 2425-17231                   | 00000/0000                  | 2-20022/0414     | 03/22/76            | 10              | 5926         | 32.5         | 146.3                              | GGGG                |                      | 41                    | 23                   |
| 10657W                                  | 5300N             | 2551-17194                   | 00000/0000                  | 2-20030/0249     | 07/26/76            | 70              | 7683         | 49.7         | 135.8                              | GGFG                |                      | 41                    | 23                   |
| 10657W                                  | 5254N             | 2407-17234                   | 00000/0000                  | 2-20021/1091     | 03/04/76            | 10              | 5675         | 26.0         | 147.6                              | GGGG                |                      | 41                    | 23                   |
| 10657W                                  | 5015N             | 2694-17095                   | 00000/0000                  | 2-20037/0937     | 12/16/76            | 10              | 9677         | 12.2         | 153.5                              | FGGG                |                      | 40                    | 25                   |
| 10657W                                  | 5012N             | 2406-17185                   | 00000/0000                  | 2-20021/1076     | 03/03/76            | 10              | 5661         | 27.5         | 145.8                              | GGG                 | GGGG                 | 40                    | 25                   |
| 10657W                                  | 5012N             | 2676-17104                   | 00000/0000                  | 2-20037/0099     | 11/28/76            | 10              | 9426         | 14.7         | 154.8                              | GGGG                |                      | 40                    | 25                   |
| 10657W                                  | 2433N             | 2598-16463                   | 00000/0000                  | 2-20032/0850     | 09/11/76            | 10              | 8338         | 51.2         | 115.9                              | GGGG                |                      | 34                    | 43                   |
| 10657W                                  | 1848N             | 2471-16455                   | 00000/0000                  | 2-20024/1795     | 05/07/76            | 70              | 6567         | 57.1         | 87.7                               | GGGG                |                      | 33                    | 47                   |
| 10658W                                  | 5310N             | 2587-17184                   | 00000/0000                  | 2-20032/0446     | 08/31/76            | 90              | 8185         | 40.1         | 143.7                              | GGGG                |                      | 41                    | 23                   |
| 10658W                                  | 5307N             | 2695-17144                   | 00000/0000                  | 2-20037/1080     | 12/17/76            | 40              | 9691         | 9.9          | 154.7                              | GGG                 |                      | 41                    | 23                   |
| 10658W                                  | 2432N             | 2616-16460                   | 00000/0000                  | 2-20034/0234     | 09/29/76            | 90              | 8589         | 48.0         | 125.6                              | GGGG                |                      | 34                    | 43                   |
| 10659W                                  | 5013N             | 2482-20560                   | 00000/0000                  | 2-20025/0923     | 05/18/76            | 40              | 6723         | 28.3         | 210.3                              | GGGG                |                      | 79                    | 1                    |
| 10659W                                  | 5305N             | 2605-17131                   | 00000/0000                  | 2-20032/1517     | 09/18/76            | 0               | 8436         | 34.3         | 148.2                              | GGGG                |                      | 41                    | 23                   |
| 10659W                                  | 5300N             | 2497-17211                   | 00000/0000                  | 2-20026/0640     | 06/02/76            | 50              | 6930         | 53.4         | 137.0                              | GGGG                |                      | 41                    | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR WBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 1361

| PRINCIPAL PRINT<br>OF IMAGE | OBSERVATION<br>ID | WCRS FILE<br>POSITION | ROLL NO.<br>IN RPLI | DATE<br>ACQUIRED | CLOUD<br>COVER | BRIGHT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA | MSS<br>IMAGE | ORBIT<br>PATH | FRAME<br>ROW |
|-----------------------------|-------------------|-----------------------|---------------------|------------------|----------------|------------------|--------------|--------------|-----------------------|-------------|--------------|---------------|--------------|
| LONG                        | LAT               | RBV                   | MSS                 |                  | %              |                  |              |              | 123 45678             | MODE        | GAIN         | NUM.          | NUM.         |
| 10701N                      | 5259N             | 2677-17153            | 00000/0000          | 2-20037/0583     | 11/29/76       | 70               | 9440         | 12.3         | 156.1                 | FGGG        |              | 41            | 23           |
| 10701N                      | 5258N             | 2533-17201            | 00000/0000          | 2-20028/0963     | 07/08/76       | 60               | 7432         | 52.7         | 134.1                 | GGGG        |              | 41            | 23           |
| 10703N                      | 5256N             | 2659-17151            | 00000/0000          | 2-20036/0283     | 11/11/76       | 10               | 9189         | 16.5         | 156.2                 | GGGG        |              | 41            | 23           |
| 10706N                      | 5255N             | 2623-17173            | 00000/0000          | 2-20034/0426     | 10/06/76       | 90               | 8687         | 28.1         | 152.0                 | GGGG        |              | 41            | 23           |
| 10706N                      | 5254N             | 2641-17170            | 00000/0000          | 2-20034/1154     | 10/24/76       | 80               | 8938         | 22.0         | 154.8                 | GGGG        |              | 41            | 23           |
| 10706N                      | 5249N             | 2389-17241            | 00000/0000          | 2-20020/1530     | 02/15/76       | 90               | 5424         | 19.7         | 149.3                 | GGGG        |              | 41            | 23           |
| 10711N                      | 8007N             | 2517-20493            | 00000/0000          | 2-20027/0393     | 06/22/76       | 10               | 7211         | 32.4         | 207.1                 | GGFG        |              | 79            | 1            |
| 10714N                      | 2307N             | 2472-16502            | 00000/0000          | 2-20025/0025     | 05/08/76       | 10               | 6581         | 57.9         | 94.2                  | GGGG        |              | 34            | 44           |
| 10717N                      | 1718N             | 2489-16455            | 00000/0000          | 2-20026/0072     | 05/25/76       | 10               | 6818         | 56.8         | 77.8                  | FGGG        |              | 33            | 48           |
| 10718N                      | 1721N             | 2471-16452            | 00000/0000          | 2-20024/1796     | 05/07/76       | 90               | 6567         | 56.8         | 85.4                  | GGGG        |              | 33            | 48           |
| 10720N                      | 2307N             | 2598-16465            | 00000/0000          | 2-20032/0851     | 09/11/76       | 10               | 8338         | 51.6         | 114.0                 | GGGG        |              | 34            | 44           |
| 10722N                      | 2305N             | 2616-16462            | 00000/0000          | 2-20034/0235     | 09/29/76       | 90               | 8589         | 48.6         | 124.0                 | GGGG        |              | 34            | 44           |
| 10727N                      | 7317N             | 2476-18413            | 2-20027/0638        | 00000/0000       | 05/12/76       | 90               | 6638         | 34.9         | 173.2                 | GGG         |              | 56            | 8            |
| 10729N                      | 7932N             | 2477-20280            | 2-20027/0561        | 00000/0000       | 05/13/76       | 100              | 6653         | 28.4         | 202.4                 | GGG         |              | 74            | 2            |
| 10731N                      | 8039N             | 2541-21225            | 00000/0000          | 2-20028/1578     | 07/16/76       | 90               | 7546         | 29.1         | 214.3                 | GGGF        |              | 67            | 248          |
| 10731N                      | 8729N             | 2473-16545            | 00000/0000          | 2-20025/0095     | 05/09/76       | 10               | 6595         | 58.1         | 101.2                 | GGGG        |              | 35            | 41           |
| 10732N                      | 5145N             | 2461-17223            | 00000/0000          | 2-20024/0244     | 04/27/76       | 10               | 6428         | 46.8         | 141.2                 | GGGG        |              | 41            | 24           |
| 10735N                      | 5427N             | 2480-17265            | 00000/0000          | 2-20025/0644     | 05/16/76       | 10               | 6693         | 50.0         | 141.9                 | FGGG        |              | 42            | 22           |
| 10735N                      | 5146N             | 2443-17230            | 00000/0000          | 2-20022/1769     | 04/09/76       | 0                | 6177         | 40.7         | 143.5                 | FFFG        |              | 41            | 24           |
| 10735N                      | 5144N             | 2569-17193            | 00000/0000          | 2-20030/1175     | 08/13/76       | 50               | 7934         | 46.2         | 137.6                 | GGG         |              | 41            | 24           |
| 10736N                      | 8012N             | 2428-20574            | 00000/0000          | 2-20022/0437     | 03/25/76       | 100              | 5970         | 11.0         | 206.2                 | GGGG        |              | 79            | 1            |
| 10736N                      | 2722N             | 2491-16542            | 00000/0000          | 2-20024/0304     | 05/27/76       | 10               | 6846         | 59.3         | 93.8                  | GGGG        |              | 35            | 41           |
| 10736N                      | 2141N             | 2472-16504            | 00000/0000          | 2-20025/0026     | 05/08/76       | 10               | 6581         | 57.7         | 91.8                  | GGGG        |              | 34            | 45           |
| 10737N                      | 5433N             | 2588-17235            | 00000/0000          | 2-20032/0665     | 09/01/76       | 90               | 8199         | 38.9         | 145.4                 | GGGG        |              | 42            | 22           |
| 10737N                      | 5140N             | 2479-17220            | 00000/0000          | 2-20025/0674     | 05/15/76       | 20               | 6679         | 51.4         | 138.2                 | GGGG        |              | 41            | 24           |
| 10738N                      | 5431N             | 2570-17242            | 00000/0000          | 2-20030/1342     | 08/14/76       | 10               | 7948         | 44.3         | 141.2                 | GGGG        |              | 42            | 22           |
| 10738N                      | 2725N             | 2617-16505            | 00000/0000          | 2-20034/0225     | 09/30/76       | 90               | 8603         | 46.4         | 129.2                 | GGGG        |              | 35            | 41           |
| 10738N                      | 2724N             | 2599-16512            | 00000/0000          | 2-20032/1239     | 09/12/76       | 10               | 8352         | 50.2         | 120.0                 | GGGF        |              | 35            | 41           |
| 10739N                      | 5423N             | 2552-17250            | 00000/0000          | 2-20030/0299     | 07/27/76       | 90               | 7697         | 48.7         | 137.8                 | GGGG        |              | 42            | 22           |
| 10739N                      | 5136N             | 2551-17200            | 00000/0000          | 2-20030/0250     | 07/26/76       | 20               | 7683         | 50.4         | 133.8                 | GGGG        |              | 41            | 24           |
| 10739N                      | 5130N             | 2497-17241            | 00000/0000          | 2-20021/1092     | 03/04/76       | 30               | 5675         | 27.0         | 146.6                 | GGGG        |              | 41            | 24           |
| 10739N                      | 1555N             | 2471-16464            | 00000/0000          | 2-20024/1797     | 05/07/76       | 60               | 6567         | 56.4         | 83.2                  | GGGG        |              | 33            | 49           |
| 10739N                      | 1551N             | 2489-16462            | 00000/0000          | 2-20026/0073     | 05/25/76       | 10               | 6818         | 56.2         | 75.7                  | FGGG        |              | 33            | 49           |
| 10740N                      | 5424N             | 2498-17252            | 00000/0000          | 2-20026/0751     | 06/03/76       | 10               | 6944         | 52.7         | 138.9                 | GGGG        |              | 42            | 22           |
| 10740N                      | 5145N             | 2537-17190            | 00000/0000          | 2-20032/0447     | 08/31/76       | 30               | 8185         | 41.0         | 142.3                 | GGGG        |              | 41            | 24           |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



02144 APR 28, 1977

 LANDSAT-2  
 COORDINATE LISTING  
 FOR NON-US  
 FROM 01/22/76 TO 01/22/77

PAGE 1362

| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION |              | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL |     | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|--------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|------------|-----|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                   | RBV          |                      |                  |                     |                 |              |              | RBV        | RBV |                     |                      |                       |                      |
| 10740N                      | 5143N | 2695-17151        | 00000/0000            | 2-20037/1081 | 12/17/76             | 30               | 9691                | 11.0            | 154.1        |              | GGG        |     |                     | 41                   | 24                    |                      |
| 10740N                      | 5143N | 2731-17134        | 00000/0000            | 2-20037/1585 | 01/22/77             | 40               | 193                 | 13.4            | 149.0        |              | GGGF       |     |                     | 41                   | 24                    |                      |
| 10740N                      | 5139N | 2425-17233        | 00000/0000            | 2-20027/0415 | 03/22/76             | 0                | 5926                | 33.9            | 145.1        |              | GGGG       |     |                     | 41                   | 24                    |                      |
| 10741N                      | 5427N | 2606-17232        | 00000/0000            | 2-20037/1587 | 09/19/76             | 10               | 8450                | 32.9            | 149.6        |              | GGGG       |     |                     | 42                   | 22                    |                      |
| 10741N                      | 5135N | 2497-17213        | 00000/0000            | 2-20026/0641 | 06/02/76             | 70               | 6930                | 54.2            | 134.8        |              | GGGG       |     |                     | 41                   | 24                    |                      |
| 10742N                      | 2141N | 2598-16472        | 00000/0000            | 2-20037/0852 | 09/11/76             | 10               | 8338                | 51.9            | 112.1        |              | GGGG       |     |                     | 34                   | 45                    |                      |
| 10743N                      | 5416N | 2516-17260        | 00000/0000            | 2-20027/0290 | 06/21/76             | 50               | 7195                | 53.3            | 136.6        |              | GGGG       |     |                     | 42                   | 22                    |                      |
| 10743N                      | 5134N | 2533-17203        | 00000/0000            | 2-20027/0964 | 07/08/76             | 30               | 7432                | 53.4            | 131.9        |              | GGGG       |     |                     | 41                   | 24                    |                      |
| 10743N                      | 5129N | 2515-17211        | 00000/0000            | 2-20027/0202 | 06/20/76             | 10               | 7181                | 54.8            | 132.2        |              | GGGG       |     |                     | 41                   | 24                    |                      |
| 10744N                      | 5135N | 2677-17155        | 00000/0000            | 2-20037/0584 | 11/29/76             | 80               | 9440                | 13.4            | 155.4        |              | GGGG       |     |                     | 41                   | 24                    |                      |
| 10745N                      | 5420N | 2534-17233        | 00000/0000            | 2-20027/0978 | 07/09/76             | 80               | 7446                | 51.8            | 136.2        |              | GGGG       |     |                     | 42                   | 22                    |                      |
| 10745N                      | 2139N | 2616-16465        | 00000/0000            | 2-20034/0236 | 09/29/76             | 100              | 8589                | 49.2            | 122.4        |              | GGGG       |     |                     | 34                   | 45                    |                      |
| 10746N                      | 8017N | 2465-21021        | 00000/0000            | 2-20027/1311 | 05/01/76             | 10               | 6496                | 23.8            | 210.5        |              | GGGF       |     |                     | 67                   | 248                   |                      |
| 10746N                      | 5133N | 2659-17164        | 00000/0000            | 2-20036/0284 | 11/11/76             | 0                | 9189                | 17.6            | 155.5        |              | GGGG       |     |                     | 41                   | 24                    |                      |
| 10747N                      | 5126N | 2371-17250        | 00000/0000            | 2-20027/0517 | 01/28/76             | 0                | 5173                | 15.6            | 150.8        |              | GGGG       |     |                     | 41                   | 24                    |                      |
| 10748N                      | 5131N | 2623-17180        | 00000/0000            | 2-20034/0427 | 10/06/76             | 80               | 8687                | 29.2            | 151.0        |              | GGGG       |     |                     | 41                   | 24                    |                      |
| 10748N                      | 5130N | 2641-17172        | 00000/0000            | 2-20034/1155 | 10/24/76             | 90               | 8938                | 23.1            | 153.9        |              | GGGG       |     |                     | 41                   | 24                    |                      |
| 10749N                      | 5125N | 2359-17244        | 00000/0000            | 2-20027/1531 | 02/15/76             | 100              | 5424                | 20.7            | 148.5        |              | GGGF       |     |                     | 41                   | 24                    |                      |
| 10753N                      | 8017N | 2591-20585        | 00000/0000            | 2-20032/0792 | 09/04/76             | 40               | 8243                | 15.6            | 208.2        |              | GGGG       |     |                     | 67                   | 248                   |                      |
| 10754N                      | 2603N | 2473-16551        | 00000/0000            | 2-20025/0096 | 05/09/76             | 10               | 6595                | 58.1            | 98.7         |              | GGGG       |     |                     | 35                   | 42                    |                      |
| 10758N                      | 2014N | 2472-16511        | 00000/0000            | 2-20025/0027 | 05/08/76             | 40               | 6581                | 57.5            | 89.4         |              | GGGG       |     |                     | 34                   | 46                    |                      |
| 10759N                      | 7844N | 2599-20020        | 00000/0000            | 2-20032/1274 | 09/12/76             | 10               | 8354                | 14.9            | 194.1        |              | GGGG       |     |                     | 70                   | 3                     |                      |
| 10759N                      | 2556N | 2491-16545        | 00000/0000            | 2-20026/0305 | 05/27/76             | 10               | 6846                | 59.1            | 91.3         |              | GGGG       |     |                     | 35                   | 42                    |                      |
| 10801N                      | 2559N | 2599-16515        | 00000/0000            | 2-20037/1240 | 09/12/76             | 10               | 8352                | 50.6            | 118.2        |              | GGGG       |     |                     | 35                   | 42                    |                      |
| 10802N                      | 2559N | 2617-16511        | 00000/0000            | 2-20034/0226 | 09/30/76             | 90               | 8603                | 47.1            | 127.7        |              | GGGG       |     |                     | 35                   | 42                    |                      |
| 10804N                      | 2014N | 2598-16474        | 00000/0000            | 2-20037/0853 | 09/11/76             | 20               | 8333                | 52.2            | 110.2        |              | GGGG       |     |                     | 34                   | 46                    |                      |
| 10805N                      | 8009N | 2520-20554        | 00000/0000            | 2-20026/0704 | 06/05/76             | 50               | 6974                | 31.4            | 208.7        |              | GGG        |     |                     | 80                   | 1                     |                      |
| 10805N                      | 7300N | 2404-18434        | 2-20027/0506          | 00000/0000   | 03/01/76             | 30               | 5634                | 9.4             | 169.9        |              | GGF        |     |                     | 56                   | 8                     |                      |
| 10806N                      | 2012N | 2616-16471        | 00000/0000            | 2-20034/0237 | 09/29/76             | 100              | 8589                | 49.7            | 120.7        |              | GGGG       |     |                     | 34                   | 46                    |                      |
| 10812N                      | 7936N | 2460-20340        | 00000/0000            | 2-20024/0627 | 04/28/76             | 0                | 6416                | 23.4            | 202.6        |              | GG         |     |                     | 75                   | 2                     |                      |
| 10813N                      | 5021N | 2461-17225        | 00000/0000            | 2-20024/0245 | 04/27/76             | 10               | 6428                | 47.7            | 139.5        |              | GGGG       |     |                     | 41                   | 25                    |                      |
| 10814N                      | 5556N | 2571-17294        | 00000/0000            | 2-20037/1346 | 08/15/76             | 80               | 7962                | 43.1            | 143.2        |              | GGGG       |     |                     | 43                   | 21                    |                      |
| 10815N                      | 5022N | 2443-17232        | 00000/0000            | 2-20027/1770 | 04/09/76             | 0                | 6177                | 41.6            | 142.0        |              | GGGG       |     |                     | 41                   | 25                    |                      |
| 10816N                      | 5019N | 2569-17200        | 00000/0000            | 2-20030/1176 | 08/13/76             | 10               | 7934                | 47.0            | 135.9        |              | GGG        |     |                     | 41                   | 25                    |                      |
| 10817N                      | 2436N | 2473-16554        | 00000/0000            | 2-20025/0097 | 05/09/76             | 30               | 6595                | 58.1            | 96.2         |              | GGFG       |     |                     | 35                   | 43                    |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED. L=LINEAR.  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1363

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRIGHT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|------------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                  |                  |                     |                  |              |              | 123 45678             |                     |                      |                       |                      |
| 10818W                      | 8014N             | 2573-20592            | 00000/0000           | 2-20030/1442     | 08/17/76            | 100              | 7992         | 21.9         | 207.2                 | GGFF                |                      | 80                    | 1                    |
| 10818W                      | 5015N             | 2479-17222            | 00000/0000           | 2-20025/0675     | 05/15/76            | 50               | 6679         | 52.2         | 136.2                 | GGGG                |                      | 41                    | 25                   |
| 10819W                      | 5019N             | 2713-17145            | 00000/0000           | 2-20038/0597     | 01/04/77            | 70               | 9942         | 12.0         | 151.1                 | GGFF                |                      | 41                    | 25                   |
| 10820W                      | 5303N             | 2480-17272            | 00000/0000           | 2-20025/0645     | 05/16/76            | 10               | 6693         | 50.8         | 139.9                 | GGGG                |                      | 42                    | 23                   |
| 10820W                      | 5020N             | 2587-17193            | 00000/0000           | 2-20032/0448     | 08/31/76            | 10               | 8185         | 41.9         | 140.8                 | FFGG                |                      | 41                    | 25                   |
| 10820W                      | 5019N             | 2731-17141            | 00000/0000           | 2-20038/1586     | 01/22/77            | 10               | 193          | 14.4         | 148.3                 | GGGG                |                      | 41                    | 25                   |
| 10820W                      | 5012N             | 2551-17203            | 00000/0000           | 2-20030/0251     | 07/26/76            | 10               | 7683         | 51.1         | 131.8                 | GGGG                |                      | 41                    | 25                   |
| 10821W                      | 5018N             | 2695-17153            | 00000/0000           | 2-20037/1082     | 12/17/76            | 90               | 9691         | 12.1         | 153.4                 | GGGG                |                      | 41                    | 25                   |
| 10821W                      | 5015N             | 2425-17240            | 00000/0000           | 2-20022/0416     | 03/22/76            | 10               | 5926         | 34.8         | 143.9                 | GGGG                |                      | 41                    | 25                   |
| 10821W                      | 5011N             | 2497-17220            | 00000/0000           | 2-20024/0642     | 06/02/76            | 60               | 6930         | 54.9         | 132.6                 | GGGG                |                      | 41                    | 25                   |
| 10821W                      | 1847N             | 2472-16513            | 00000/0000           | 2-20025/0028     | 05/08/76            | 40               | 6581         | 57.2         | 87.1                  | GGGG                |                      | 34                    | 47                   |
| 10822W                      | 5309N             | 2588-17242            | 00000/0000           | 2-20032/0666     | 09/01/76            | 90               | 8199         | 39.8         | 144.0                 | GGGG                |                      | 42                    | 23                   |
| 10824W                      | 5306N             | 2570-17245            | 00000/0000           | 2-20030/1343     | 08/14/76            | 10               | 7948         | 45.1         | 139.5                 | GGGG                |                      | 42                    | 23                   |
| 10824W                      | 5259N             | 2552-17252            | 00000/0000           | 2-20030/0300     | 07/27/76            | 90               | 7697         | 49.5         | 135.9                 | GGGG                |                      | 42                    | 23                   |
| 10824W                      | 5011N             | 2677-17162            | 00000/0000           | 2-20037/0585     | 11/29/76            | 50               | 9440         | 14.5         | 154.8                 | GGGG                |                      | 41                    | 25                   |
| 10824W                      | 2432N             | 2599-16521            | 00000/0000           | 2-20032/1241     | 09/12/76            | 0                | 8352         | 51.1         | 116.4                 | FFGG                |                      | 35                    | 43                   |
| 10825W                      | 5259N             | 2498-17245            | 00000/0000           | 2-20026/0752     | 06/03/76            | 70               | 6944         | 53.5         | 136.8                 | GGGG                |                      | 42                    | 23                   |
| 10825W                      | 2432N             | 2617-16514            | 00000/0000           | 2-20034/0227     | 09/30/76            | 100              | 8603         | 47.8         | 126.1                 | GGGG                |                      | 35                    | 43                   |
| 10827W                      | 5303N             | 2606-17235            | 00000/0000           | 2-20032/1588     | 09/19/76            | 10               | 8450         | 33.9         | 148.4                 | GGGG                |                      | 42                    | 23                   |
| 10827W                      | 5252N             | 2516-17262            | 00000/0000           | 2-20027/0291     | 06/21/76            | 20               | 7195         | 54.1         | 134.4                 | GGGG                |                      | 42                    | 23                   |
| 10829W                      | 8012N             | 2483-21015            | 00000/0000           | 2-20025/0992     | 05/19/76            | 80               | 6737         | 28.5         | 210.2                 | GGGG                |                      | 80                    | 1                    |
| 10829W                      | 5257N             | 2534-17255            | 00000/0000           | 2-20028/0979     | 07/09/76            | 70               | 7446         | 52.6         | 134.1                 | GGGG                |                      | 42                    | 23                   |
| 10836W                      | 8007N             | 2536-20544            | 00000/0000           | 2-20028/1307     | 07/11/76            | 90               | 7476         | 31.0         | 206.1                 | GGGG                |                      | 80                    | 1                    |
| 10839W                      | 2309N             | 2473-16560            | 00000/0000           | 2-20025/0098     | 05/09/76            | 40               | 6595         | 57.9         | 93.8                  | GGGG                |                      | 35                    | 44                   |
| 10842W                      | 7935N             | 2442-20344            | 00000/0000           | 2-20022/1393     | 04/08/76            | 10               | 6165         | 17.3         | 200.8                 | GGGG                |                      | 75                    | 2                    |
| 10843W                      | 1721N             | 2472-16520            | 00000/0000           | 2-20025/0029     | 05/09/76            | 70               | 6581         | 56.8         | 84.8                  | GGGG                |                      | 34                    | 48                   |
| 10847W                      | 8041N             | 2542-21283            | 00000/0000           | 2-20024/1739     | 07/17/76            | 90               | 7560         | 28.9         | 214.5                 | GGGG                |                      | 63                    | 248                  |
| 10847W                      | 2305N             | 2599-16524            | 00000/0000           | 2-20032/1242     | 09/12/76            | 0                | 8352         | 51.5         | 114.5                 | GGGP                |                      | 35                    | 44                   |
| 10848W                      | 2306N             | 2617-16520            | 00000/0000           | 2-20034/0228     | 09/30/76            | 100              | 8603         | 48.4         | 124.6                 | GGGG                |                      | 35                    | 44                   |
| 10857W                      | 2726N             | 2474-17003            | 00000/0000           | 2-20025/0232     | 05/10/76            | 0                | 6609         | 58.2         | 100.7                 | GGGG                |                      | 36                    | 41                   |
| 10858W                      | 2728N             | 2456-17010            | 00000/0000           | 2-20024/0371     | 04/22/76            | 50               | 6358         | 55.4         | 109.2                 | GGGG                |                      | 36                    | 41                   |
| 10859W                      | 2729N             | 2438-17013            | 00000/0000           | 2-20022/1324     | 04/04/76            | 10               | 6107         | 51.0         | 117.2                 | GGFG                |                      | 36                    | 41                   |
| 10901W                      | 8011N             | 2609-20582            | 00000/0000           | 2-20032/1769     | 09/22/76            | 50               | 8494         | 8.7          | 208.0                 | FGG                 |                      | 80                    | 1                    |
| 10902W                      | 5432N             | 2571-17301            | 00000/0000           | 2-20030/1347     | 08/15/76            | 10               | 7962         | 44.0         | 141.5                 | GGGG                |                      | 43                    | 22                   |
| 10902W                      | 5144N             | 2462-17231            | 00000/0000           | 2-20024/0920     | 04/28/76            | 0                | 6442         | 47.1         | 141.0                 | GGGG                |                      | 42                    | 24                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=5 AND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, 1=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR CON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER % | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RVS MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                  |                  |                  |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 10902N                      | 5139N             | 2480-17274            | 00000/0000           | 2-20025/0646     | 05/16/76         | 10              | 6693         | 51.7         | 137.9                 | GGGG                |                      | 42                    | 24                   |
| 10902N                      | 2142N             | 2473-16563            | 00000/0000           | 2-20025/0099     | 05/09/76         | 30              | 6595         | 57.8         | 91.4                  | GGGF                |                      | 35                    | 45                   |
| 10903N                      | 2727N             | 2690-16535            | 00000/0000           | 2-20037/0635     | 12/12/76         | 10              | 9621         | 29.7         | 143.7                 | FGGG                |                      | 36                    | 41                   |
| 10904N                      | 5436N             | 2589-17294            | 00000/0000           | 2-20032/0577     | 09/02/76         | 90              | 8213         | 38.6         | 145.7                 | FGGG                |                      | 43                    | 22                   |
| 10904N                      | 5426N             | 2481-17323            | 00000/0000           | 2-20025/0749     | 05/17/76         | 70              | 6707         | 50.2         | 141.7                 | GGGG                |                      | 43                    | 22                   |
| 10904N                      | 5132N             | 2408-17295            | 00000/0000           | 2-20022/0027     | 03/05/76         | 100             | 5689         | 27.4         | 146.5                 | GGG                 |                      | 42                    | 24                   |
| 10904N                      | 2727N             | 2726-16522            | 00000/0000           | 2-20034/1570     | 01/17/77         | 10              | 123          | 29.2         | 138.2                 | GGGG                |                      | 36                    | 41                   |
| 10904N                      | 2725N             | 2420-17021            | 00000/0000           | 2-20022/0171     | 03/17/76         | 0               | 5856         | 45.5         | 124.0                 | GGGG                |                      | 36                    | 41                   |
| 10904N                      | 2723N             | 2600-16570            | 00000/0000           | 2-20032/1187     | 09/13/76         | 0               | 8366         | 50.0         | 120.5                 | GGGG                |                      | 36                    | 41                   |
| 10905N                      | 5425N             | 2553-17304            | 00000/0000           | 2-20030/0157     | 07/28/76         | 90              | 7711         | 48.5         | 138.0                 | GGGG                |                      | 43                    | 22                   |
| 10905N                      | 5144N             | 2588-17244            | 00000/0000           | 2-20032/0667     | 09/01/76         | 70              | 8199         | 40.7         | 142.5                 | GGGG                |                      | 42                    | 24                   |
| 10906N                      | 5142N             | 2570-17251            | 00000/0000           | 2-20030/1344     | 08/14/76         | 10              | 7948         | 45.9         | 137.8                 | GGGG                |                      | 42                    | 24                   |
| 10906N                      | 5136N             | 2552-17255            | 00000/0000           | 2-20030/0301     | 07/27/76         | 60              | 7697         | 50.2         | 133.9                 | GGGG                |                      | 42                    | 24                   |
| 10907N                      | 5426N             | 2607-17291            | 00000/0000           | 2-20032/1628     | 09/20/76         | 0               | 8464         | 32.6         | 149.8                 | FGG                 |                      | 43                    | 22                   |
| 10907N                      | 5422N             | 2499-17321            | 00000/0000           | 2-20026/0771     | 06/04/76         | 90              | 6958         | 52.8         | 138.8                 | GGGG                |                      | 43                    | 22                   |
| 10907N                      | 5134N             | 2498-17271            | 00000/0000           | 2-20026/0753     | 06/03/76         | 60              | 6944         | 54.3         | 134.6                 | GGGG                |                      | 42                    | 24                   |
| 10907N                      | 2720N             | 2402-17024            | 00000/0000           | 2-20021/0871     | 02/28/76         | 10              | 5605         | 39.9         | 129.7                 | GGGG                |                      | 36                    | 41                   |
| 10909N                      | 5139N             | 2606-17241            | 00000/0000           | 2-20032/1589     | 09/19/76         | 0               | 8450         | 34.9         | 147.2                 | GGGG                |                      | 42                    | 24                   |
| 10909N                      | 5128N             | 2516-17245            | 00000/0000           | 2-20027/0292     | 06/21/76         | 40              | 7195         | 54.8         | 132.1                 | GGGG                |                      | 42                    | 24                   |
| 10909N                      | 2138N             | 2599-16530            | 00000/0000           | 2-20032/1243     | 09/12/76         | 0               | 8352         | 51.8         | 112.6                 | GGGF                |                      | 35                    | 45                   |
| 10910N                      | 5415N             | 2517-17314            | 00000/0000           | 2-20027/0323     | 06/22/76         | 90              | 7209         | 53.3         | 136.5                 | FGGG                |                      | 43                    | 22                   |
| 10910N                      | 2140N             | 2617-16523            | 00000/0000           | 2-20034/0229     | 09/30/76         | 100             | 8603         | 49.0         | 122.9                 | GGGG                |                      | 35                    | 45                   |
| 10911N                      | 5419N             | 2535-17311            | 00000/0000           | 2-20024/0889     | 07/10/76         | 90              | 7460         | 51.7         | 136.2                 | GGGG                |                      | 43                    | 22                   |
| 10911N                      | 5132N             | 2534-17262            | 00000/0000           | 2-20024/0990     | 07/09/76         | 30              | 7446         | 53.3         | 131.9                 | GGGG                |                      | 42                    | 24                   |
| 10914N                      | 5125N             | 2390-17302            | 00000/0000           | 2-20020/1610     | 02/16/76         | 100             | 5438         | 21.0         | 148.4                 | GGGG                |                      | 42                    | 24                   |
| 10916N                      | 8015N             | 2448-21087            | 00000/0000           | 2-20023/0124     | 04/14/76         | 10              | 6249         | 18.3         | 209.2                 | GGGG                |                      | 81                    | 1                    |
| 10920N                      | 8016N             | 2466-21080            | 00000/0000           | 2-20024/1192     | 05/02/76         | 10              | 6500         | 24.1         | 210.5                 | GGGG                |                      | 68                    | 248                  |
| 10921N                      | 2600N             | 2474-17005            | 00000/0000           | 2-20025/0233     | 05/10/76         | 10              | 6509         | 58.2         | 98.2                  | GGGG                |                      | 36                    | 42                   |
| 10925N                      | 7938N             | 2461-20395            | 00000/0000           | 2-20024/0499     | 04/27/76         | 30              | 6430         | 23.7         | 202.8                 | GGGG                |                      | 76                    | 2                    |
| 10925N                      | 2015N             | 2473-16565            | 00000/0000           | 2-20025/0100     | 05/09/76         | 60              | 6595         | 57.5         | 89.0                  | GGGG                |                      | 35                    | 46                   |
| 10926N                      | 2600N             | 2690-16541            | 00000/0000           | 2-20037/0636     | 12/12/76         | 20              | 9621         | 30.7         | 142.9                 | GGGG                |                      | 36                    | 42                   |
| 10927N                      | 8016N             | 2592-21043            | 00000/0000           | 2-20032/0801     | 09/05/76         | 100             | 8257         | 15.2         | 203.1                 | GGGG                |                      | 68                    | 248                  |
| 10927N                      | 2601N             | 2726-16524            | 00000/0000           | 2-20034/1573     | 01/17/77         | 40              | 123          | 30.0         | 137.4                 | GG                  |                      | 36                    | 42                   |
| 10927N                      | 2559N             | 2420-17023            | 00000/0000           | 2-20022/0172     | 03/17/76         | 0               | 5856         | 45.1         | 122.5                 | GGGG                |                      | 36                    | 42                   |
| 10927N                      | 2556N             | 2600-16573            | 00000/0000           | 2-20032/1188     | 09/13/76         | 10              | 8366         | 50.5         | 118.7                 | FFGG                |                      | 36                    | 42                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

 LANDSAT-2  
 COORDINATE LISTING  
 FOR NON-US  
 FROM 01/22/76 TO 01/22/77

PAGE 1365

| PRINCIPAL PRINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROL<br>MSG | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 10936W                                  | 8008N             | 2501-21012                   | 00000/0000                 | 2-20026/1014     | 06/06/76            | 20              | 6988         | 31.6         | 208.5                              | GGGG                |                      | 81                    | 1                    |
| 10939W                                  | 5556N             | 2572-17352                   | 00000/0000                 | 2-20030/1308     | 08/16/76            | 10              | 7976         | 42.9         | 143.4                              | GGGG                |                      | 44                    | 21                   |
| 10942W                                  | 5310N             | 2463-17333                   | 00000/0000                 | 2-20024/0247     | 04/29/76            | 0               | 6456         | 46.5         | 142.6                              | GGGG                |                      | 43                    | 23                   |
| 10942W                                  | 5019N             | 2462-17283                   | 00000/0000                 | 2-20024/0921     | 04/28/76            | 30              | 6442         | 48.0         | 139.3                              | GGGG                |                      | 42                    | 25                   |
| 10943W                                  | 5014N             | 2480-17281                   | 00000/0000                 | 2-20025/0647     | 05/16/76            | 10              | 6693         | 52.4         | 135.9                              | GGGG                |                      | 42                    | 25                   |
| 10944W                                  | 5550N             | 2608-17342                   | 00000/0000                 | 2-20032/1602     | 09/21/76            | 0               | 8478         | 31.2         | 151.3                              | GGGG                |                      | 44                    | 21                   |
| 10945W                                  | 5019N             | 2714-17203                   | 00000/0000                 | 2-20034/0822     | 01/05/77            | 90              | 9956         | 12.1         | 151.0                              | GGGG                |                      | 42                    | 25                   |
| 10945W                                  | 2433N             | 2474-17012                   | 00000/0000                 | 2-20025/0234     | 05/10/76            | 50              | 6609         | 58.2         | 95.7                               | GGGG                |                      | 36                    | 43                   |
| 10946W                                  | 5020N             | 2588-17251                   | 00000/0000                 | 2-20032/0668     | 09/01/76            | 40              | 8199         | 41.6         | 141.0                              | GGGG                |                      | 42                    | 25                   |
| 10946W                                  | 5018N             | 2570-17254                   | 00000/0000                 | 2-20030/1345     | 08/14/76            | 10              | 7948         | 46.7         | 136.1                              | GGGG                |                      | 42                    | 25                   |
| 10946W                                  | 5011N             | 2552-17261                   | 00000/0000                 | 2-20030/0302     | 07/27/76            | 60              | 7697         | 50.9         | 131.9                              | GGGG                |                      | 42                    | 25                   |
| 10947W                                  | 5308N             | 2571-17303                   | 00000/0000                 | 2-20030/1348     | 08/15/76            | 10              | 7962         | 44.8         | 139.8                              | GGGG                |                      | 43                    | 23                   |
| 10947W                                  | 5017N             | 2696-17212                   | 00000/0000                 | 2-20037/1096     | 12/18/76            | 60              | 9705         | 12.1         | 153.3                              | GGGG                |                      | 42                    | 25                   |
| 10947W                                  | 1849N             | 2473-16572                   | 00000/0000                 | 2-20025/0101     | 05/09/76            | 60              | 6595         | 57.2         | 86.7                               | FGGG                |                      | 35                    | 47                   |
| 10948W                                  | 7936N             | 2557-20362                   | 00000/0000                 | 2-20032/0657     | 08/31/76            | 40              | 8187         | 18.2         | 200.3                              | GGGG                |                      | 76                    | 2                    |
| 10949W                                  | 8008N             | 2537-21002                   | 00000/0000                 | 2-20028/1252     | 07/12/76            | 90              | 7490         | 30.8         | 206.3                              | GGGG                |                      | 81                    | 1                    |
| 10949W                                  | 5311N             | 2589-17300                   | 00000/0000                 | 2-20032/0578     | 09/02/76            | 60              | 8213         | 39.5         | 144.2                              | GGGG                |                      | 43                    | 23                   |
| 10949W                                  | 5303N             | 2431-17330                   | 00000/0000                 | 2-20025/0750     | 05/17/76            | 80              | 6707         | 51.1         | 139.7                              | GGGG                |                      | 43                    | 23                   |
| 10949W                                  | 5014N             | 2606-17244                   | 00000/0000                 | 2-20032/1590     | 09/19/76            | 0               | 8450         | 35.9         | 146.0                              | GGGG                |                      | 42                    | 25                   |
| 10949W                                  | 2434N             | 2490-16544                   | 00000/0000                 | 2-20037/0638     | 12/12/76            | 30              | 9621         | 31.7         | 142.1                              | GG                  | H                    | 36                    | 43                   |
| 10950W                                  | 5301N             | 2553-17310                   | 00000/0000                 | 2-20030/0158     | 07/28/76            | 60              | 7711         | 49.3         | 136.1                              | GGGG                |                      | 43                    | 23                   |
| 10950W                                  | 2434N             | 2726-16531                   | 00000/0000                 | 2-20034/1571     | 01/17/77            | 60              | 123          | 30.9         | 136.6                              | GGGG                | H                    | 36                    | 43                   |
| 10950W                                  | 2433N             | 2420-17030                   | 00000/0000                 | 2-20022/0173     | 03/17/76            | 10              | 5856         | 46.6         | 121.0                              | GGGG                |                      | 36                    | 43                   |
| 10950W                                  | 2430N             | 2600-16575                   | 00000/0000                 | 2-20032/1129     | 09/13/76            | 10              | 8366         | 50.9         | 116.9                              | GGGG                |                      | 36                    | 43                   |
| 10951W                                  | 5302N             | 2607-17293                   | 00000/0000                 | 2-20032/1629     | 09/27/76            | 0               | 8464         | 33.6         | 148.6                              | GGGG                |                      | 43                    | 23                   |
| 10952W                                  | 5258N             | 2499-17323                   | 00000/0000                 | 2-20026/0772     | 06/04/76            | 60              | 6958         | 53.6         | 136.6                              | GGGG                |                      | 43                    | 23                   |
| 10955W                                  | 8006N             | 2519-21005                   | 00000/0000                 | 2-20028/0076     | 76/24/76            | 10              | 7239         | 32.4         | 207.0                              | GGGG                |                      | 81                    | 1                    |
| 10955W                                  | 5255N             | 2535-17314                   | 00000/0000                 | 2-20028/0890     | 07/10/76            | 50              | 7460         | 52.4         | 134.1                              | GGGG                |                      | 43                    | 23                   |
| 10955W                                  | 5251N             | 2517-17321                   | 00000/0000                 | 2-20027/0324     | 06/22/76            | 100             | 7209         | 54.0         | 134.2                              | GGGG                |                      | 43                    | 23                   |
| 10958W                                  | 7935N             | 2443-20402                   | 00000/0000                 | 2-20022/1737     | 04/09/76            | 50              | 6179         | 17.7         | 201.0                              | GGGG                |                      | 76                    | 2                    |
| 11003W                                  | 8013N             | 2430-21030                   | 00000/0000                 | 2-20022/0481     | 03/27/76            | 60              | 5998         | 11.7         | 206.7                              | GGGG                |                      | 81                    | 1                    |
| 11003W                                  | 8011N             | 2484-21073                   | 00000/0000                 | 2-20025/1213     | 05/20/76            | 80              | 6751         | 28.8         | 210.1                              | FGGG                |                      | 81                    | 1                    |
| 11004W                                  | 7932N             | 2479-20392                   | 00000/0000                 | 2-20025/0636     | 05/15/76            | 90              | 6681         | 28.8         | 202.6                              | GGGG                |                      | 76                    | 2                    |
| 11005W                                  | 7203N             | 2476-18415                   | 2-20027/0639               | 00000/0000       | 05/12/76            | 90              | 6638         | 36.1         | 170.1                              | GGG                 |                      | 56                    | 9                    |
| 11006W                                  | 2852N             | 2691-16590                   | 00000/0000                 | 2-20037/0640     | 12/13/76            | 0               | 9635         | 28.6         | 144.3                              | GGGG                |                      | 37                    | 40                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 28, 1977

LANHSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1466

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>- POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|--------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11006N                                  | 2851N             | 2421-17072                     | 00000/0000                  | 2-20022/0156     | 03/18/76            | 50              | 5870         | 45.2         | 125.2                              | GGF                 |                      | 37                    | 40                   |
| 11006N                                  | 2851N             | 2601-17022                     | 00000/0000                  | 2-20032/1286     | 09/14/76            | 10              | 8380         | 49.3         | 122.8                              | FGGG                |                      | 37                    | 40                   |
| 11008N                                  | 2306N             | 2474-17014                     | 00000/0000                  | 2-20025/0235     | 05/10/76            | 30              | 6609         | 58.0         | 93.3                               | GGGF                |                      | 36                    | 44                   |
| 11010N                                  | 2847N             | 2403-17080                     | 00000/0000                  | 2-20021/0906     | 02/29/76            | 10              | 5619         | 39.5         | 130.7                              | GGGG                |                      | 37                    | 40                   |
| 11012N                                  | 2308N             | 2690-16550                     | 00000/0000                  | 2-20037/0637     | 12/12/76            | 20              | 9621         | 32.6         | 141.4                              | GGGG                | H                    | 36                    | 44                   |
| 11012N                                  | 2307N             | 2420-17032                     | 00000/0000                  | 2-20022/0174     | 03/17/76            | 20              | 5856         | 47.1         | 119.4                              | GGGG                |                      | 36                    | 44                   |
| 11012N                                  | 2307N             | 2726-16533                     | 00000/0000                  | 2-20038/1572     | 01/17/77            | 90              | 123          | 31.8         | 135.8                              | GGGP                | H                    | 36                    | 44                   |
| 11012N                                  | 2303N             | 2600-16582                     | 00000/0000                  | 2-20032/1190     | 09/13/76            | 10              | 8366         | 51.3         | 115.1                              | FGGG                |                      | 36                    | 44                   |
| 11024N                                  | 2728N             | 2457-17064                     | 00000/0000                  | 2-20024/0373     | 04/23/76            | 10              | 6372         | 55.6         | 108.7                              | GGGG                |                      | 37                    | 41                   |
| 11025N                                  | 5146N             | 2463-17335                     | 00000/0000                  | 2-20024/0248     | 04/29/76            | 10              | 6456         | 47.4         | 140.9                              | GGGG                |                      | 43                    | 24                   |
| 11025N                                  | 2730N             | 2439-17071                     | 00000/0000                  | 2-20022/1364     | 04/05/76            | 80              | 6121         | 51.2         | 116.8                              | GGGG                |                      | 37                    | 41                   |
| 11025N                                  | 2728N             | 2475-17061                     | 00000/0000                  | 2-20025/0137     | 05/11/76            | 20              | 6623         | 58.3         | 100.3                              | GGGG                |                      | 37                    | 41                   |
| 11026N                                  | 5432N             | 2572-17355                     | 00000/0000                  | 2-20030/1309     | 08/16/76            | 50              | 7976         | 43.7         | 141.7                              | GGGG                |                      | 44                    | 22                   |
| 11027N                                  | 5146N             | 2445-17342                     | 00000/0000                  | 2-20023/0050     | 04/11/76            | 0               | 6205         | 41.5         | 143.2                              | GGFF                |                      | 43                    | 24                   |
| 11029N                                  | 5434N             | 2590-17352                     | 00000/0000                  | 2-20032/0581     | 09/03/76            | 20              | 8227         | 38.3         | 145.9                              | FGGG                |                      | 44                    | 22                   |
| 11029N                                  | 2726N             | 2691-16593                     | 00000/0000                  | 2-20037/0641     | 12/13/76            | 10              | 9635         | 29.6         | 143.6                              | GFFF                |                      | 37                    | 41                   |
| 11029N                                  | 2724N             | 2601-17025                     | 00000/0000                  | 2-20032/1287     | 09/14/76            | 10              | 8380         | 49.8         | 121.1                              | GGGG                |                      | 37                    | 41                   |
| 11030N                                  | 8017N             | 2467-21134                     | 00000/0000                  | 2-20024/0874     | 05/03/76            | 60              | 6514         | 24.4         | 210.7                              | GGGG                |                      | 69                    | 248                  |
| 11030N                                  | 5425N             | 2482-17382                     | 00000/0000                  | 2-20025/0624     | 05/18/76            | 90              | 6721         | 50.4         | 141.5                              | GGGG                |                      | 44                    | 22                   |
| 11030N                                  | 2726N             | 2421-17075                     | 00000/0000                  | 2-20022/0187     | 03/18/76            | 30              | 5870         | 45.8         | 123.7                              | GGGG                |                      | 37                    | 41                   |
| 11030N                                  | 2140N             | 2474-17021                     | 00000/0000                  | 2-20025/0236     | 05/10/76            | 30              | 6609         | 57.8         | 90.9                               | GGGG                |                      | 36                    | 45                   |
| 11031N                                  | 5427N             | 2554-17362                     | 00000/0000                  | 2-20030/0340     | 07/29/76            | 90              | 7725         | 48.3         | 138.2                              | GGG                 |                      | 44                    | 22                   |
| 11031N                                  | 5147N             | 2589-17303                     | 00000/0000                  | 2-20032/0579     | 09/02/76            | 30              | 8213         | 40.4         | 142.8                              | GGGG                |                      | 43                    | 24                   |
| 11031N                                  | 5145N             | 2571-17310                     | 00000/0000                  | 2-20030/1349     | 08/15/76            | 10              | 7962         | 45.6         | 138.1                              | GGGG                |                      | 43                    | 24                   |
| 11031N                                  | 5138N             | 2431-17332                     | 00000/0000                  | 2-20025/0751     | 05/17/76            | 90              | 6707         | 51.9         | 137.7                              | GGGG                |                      | 43                    | 24                   |
| 11031N                                  | 5137N             | 2553-17312                     | 00000/0000                  | 2-20030/0159     | 07/28/76            | 10              | 7711         | 50.0         | 134.1                              | GGGG                |                      | 43                    | 24                   |
| 11032N                                  | 8011N             | 2556-21053                     | 00000/0000                  | 2-20030/0500     | 07/31/76            | 100             | 7755         | 27.0         | 206.2                              | GGGG                |                      | 82                    | 1                    |
| 11032N                                  | 5426N             | 2608-17345                     | 00000/0000                  | 2-20032/1603     | 09/21/76            | 0               | 8478         | 32.2         | 150.0                              | GGGG                |                      | 44                    | 22                   |
| 11032N                                  | 5145N             | 2715-17255                     | 00000/0000                  | 2-20038/0727     | 01/05/77            | 100             | 9970         | 11.1         | 151.5                              | G GG                |                      | 43                    | 24                   |
| 11033N                                  | 5133N             | 2499-17330                     | 00000/0000                  | 2-20026/0773     | 06/04/76            | 60              | 6958         | 54.3         | 134.4                              | GGGG                |                      | 43                    | 24                   |
| 11033N                                  | 2721N             | 2403-17082                     | 00000/0000                  | 2-20021/0905     | 02/29/76            | 10              | 5619         | 40.2         | 129.5                              | G GG                |                      | 37                    | 41                   |
| 11034N                                  | 5137N             | 2607-17300                     | 00000/0000                  | 2-20032/1630     | 09/20/76            | 10              | 8464         | 34.6         | 147.4                              | GGGG                |                      | 43                    | 24                   |
| 11034N                                  | 2141N             | 2420-17035                     | 00000/0000                  | 2-20022/0175     | 03/17/76            | 70              | 5856         | 47.6         | 117.8                              | FGGG                |                      | 36                    | 45                   |
| 11034N                                  | 2137N             | 2600-16584                     | 00000/0000                  | 2-20032/1191     | 09/13/76            | 10              | 8366         | 51.7         | 113.2                              | FGGG                |                      | 36                    | 45                   |
| 11035N                                  | 5422N             | 2500-17375                     | 00000/0000                  | 2-20026/0854     | 06/05/76            | 20              | 6972         | 52.9         | 135.6                              | GGGG                |                      | 44                    | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANK=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING

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FOR USN-05

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER % | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | RBV                   | MSS                  |                  |                  |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 11036W                      | 5422N             | 2536-17365            | 00000/0000           | 2-20027/1130     | 07/11/76         | 80              | 7474         | 51.6         | 136.3                 | FGG                 |                      | 44                    | 22                   |
| 11036W                      | 5417N             | 2518-17372            | 00000/0000           | 2-20027/1326     | 16/23/76         | 100             | 7223         | 53.3         | 136.5                 | GGGG                |                      | 44                    | 22                   |
| 11037W                      | 5127N             | 2517-17323            | 00000/0000           | 2-20027/0325     | 06/22/76         | 100             | 7209         | 54.7         | 132.0                 | GGGG                |                      | 43                    | 24                   |
| 11038W                      | 7145N             | 2404-15440            | 2-20027/0507         | 00000/0000       | 03/01/76         | 10              | 5634         | 10.5         | 167.4                 | GGG                 |                      | 56                    | 9                    |
| 11038W                      | 5131N             | 2535-17320            | 00000/0000           | 2-20028/0891     | 07/10/76         | 20              | 7460         | 53.1         | 131.9                 | GGGG                |                      | 43                    | 24                   |
| 11039W                      | 7845N             | 2475-20165            | 00000/0000           | 2-20025/0144     | 05/11/76         | 50              | 6625         | 28.9         | 196.1                 | GGGG                |                      | 72                    | 3                    |
| 11047W                      | 7937N             | 2462-20453            | 00000/0000           | 2-20024/0912     | 04/29/76         | 10              | 6444         | 24.1         | 202.8                 | FGG                 |                      | 77                    | 2                    |
| 11048W                      | 2602N             | 2475-17064            | 00000/0000           | 2-20025/0138     | 05/11/76         | 10              | 6623         | 58.3         | 97.8                  | FFGG                |                      | 37                    | 42                   |
| 11051W                      | 2014N             | 2474-17023            | 00000/0000           | 2-20025/0237     | 05/10/76         | 50              | 6609         | 57.6         | 88.5                  | GGGG                |                      | 36                    | 46                   |
| 11052W                      | 2557N             | 2601-17031            | 00000/0000           | 2-20032/1288     | 09/14/76         | 20              | 8380         | 50.3         | 119.3                 | GGGG                |                      | 37                    | 42                   |
| 11053W                      | 8015N             | 2593-21101            | 00000/0000           | 2-20032/0971     | 09/06/76         | 100             | 8271         | 14.8         | 208.0                 | GGGG                |                      | 82                    | 1                    |
| 11053W                      | 2600N             | 2421-17081            | 00000/0000           | 2-20022/0158     | 03/18/76         | 10              | 5870         | 46.4         | 122.1                 | GFGE                |                      | 37                    | 42                   |
| 11053W                      | 2600N             | 2691-16595            | 00000/0000           | 2-20037/0644     | 12/13/76         | 20              | 9635         | 30.6         | 142.8                 | GF                  |                      | 37                    | 42                   |
| 11106W                      | 8015N             | 2575-21104            | 00000/0000           | 2-20032/0307     | 08/19/76         | 90              | 8020         | 21.3         | 207.4                 | GGGG                |                      | 82                    | 1                    |
| 11106W                      | 5021N             | 2463-17342            | 00000/0000           | 2-20024/0249     | 04/29/76         | 50              | 6456         | 48.2         | 139.2                 | FGPG                |                      | 43                    | 25                   |
| 11108W                      | 5021N             | 2445-17345            | 00000/0000           | 2-20023/0051     | 04/11/76         | 0               | 6205         | 42.3         | 141.8                 | GGGF                |                      | 43                    | 25                   |
| 11110W                      | 8008N             | 2502-21070            | 00000/0000           | 2-20026/1475     | 06/07/76         | 10              | 7002         | 31.7         | 208.4                 | GGGG                |                      | 82                    | 1                    |
| 11110W                      | 2436N             | 2475-17070            | 00000/0000           | 2-20025/0139     | 05/11/76         | 10              | 6623         | 58.2         | 95.3                  | GGGG                |                      | 37                    | 43                   |
| 11111W                      | 5022N             | 2589-17335            | 00000/0000           | 2-20032/0580     | 09/02/76         | 30              | 8213         | 41.3         | 141.4                 | GGGG                |                      | 43                    | 25                   |
| 11111W                      | 5013N             | 2481-17335            | 00000/0000           | 2-20025/0752     | 05/17/76         | 50              | 6707         | 52.6         | 135.7                 | GGGG                |                      | 43                    | 25                   |
| 11112W                      | 5307N             | 2572-17361            | 00000/0000           | 2-20030/1310     | 08/16/76         | 50              | 7976         | 44.6         | 140.0                 | GGGG                |                      | 44                    | 23                   |
| 11112W                      | 5020N             | 2571-17317            | 00000/0000           | 2-20030/1350     | 08/15/76         | 30              | 7962         | 46.4         | 136.4                 | GFGG                |                      | 43                    | 25                   |
| 11112W                      | 5020N             | 2715-17261            | 00000/0000           | 2-20038/0728     | 01/06/77         | 90              | 9970         | 12.2         | 150.8                 | GGGG                |                      | 43                    | 25                   |
| 11112W                      | 5012N             | 2553-17315            | 00000/0000           | 2-20030/0160     | 07/28/76         | 10              | 7711         | 50.7         | 132.2                 | GGGG                |                      | 43                    | 25                   |
| 11113W                      | 5014N             | 2427-17352            | 00000/0000           | 2-20022/0571     | 03/24/76         | 50              | 5954         | 35.6         | 143.7                 | PGGG                |                      | 43                    | 25                   |
| 11113W                      | 1848N             | 2474-17030            | 00000/0000           | 2-20025/0238     | 05/10/76         | 40              | 6609         | 57.3         | 86.2                  | GGGG                |                      | 36                    | 47                   |
| 11114W                      | 5310N             | 2590-17354            | 00000/0000           | 2-20032/0582     | 09/03/76         | 50              | 8227         | 39.2         | 144.5                 | GGGG                |                      | 44                    | 23                   |
| 11114W                      | 5301N             | 2482-17384            | 00000/0000           | 2-20025/0625     | 05/18/76         | 70              | 6721         | 51.3         | 139.5                 | GGGG                |                      | 44                    | 23                   |
| 11114W                      | 5012N             | 2607-17302            | 00000/0000           | 2-20032/1631     | 09/20/76         | 0               | 8464         | 35.6         | 146.2                 | GGGG                |                      | 43                    | 25                   |
| 11115W                      | 8007N             | 2538-21060            | 00000/0000           | 2-20028/1353     | 07/13/76         | 100             | 7504         | 30.7         | 206.1                 | GGGG                |                      | 82                    | 1                    |
| 11115W                      | 5303N             | 2554-17345            | 00000/0000           | 2-20030/0341     | 07/29/76         | 90              | 7725         | 49.0         | 136.3                 | GGGG                |                      | 44                    | 23                   |
| 11115W                      | 2430N             | 2601-17034            | 00000/0000           | 2-20032/1289     | 09/14/76         | 20              | 8380         | 50.8         | 117.5                 | GGGG                |                      | 37                    | 43                   |
| 11116W                      | 2433N             | 2421-17084            | 00000/0000           | 2-20022/0159     | 03/18/76         | 10              | 5870         | 46.9         | 120.6                 | FGFG                |                      | 37                    | 43                   |
| 11116W                      | 2433N             | 2691-17002            | 00000/0000           | 2-20037/0642     | 12/13/76         | 30              | 9635         | 31.6         | 142.1                 | GGGG                |                      | 37                    | 43                   |
| 11117W                      | 7936N             | 2444-20460            | 00000/0000           | 2-20022/1876     | 04/10/76         | 30              | 6193         | 18.0         | 201.3                 | G GG                |                      | 77                    | 2                    |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 LANDSAT-2  
 COORDINATE LISTING

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 FROM 01/22/76 TO 01/22/77  
 FOR MBV-IIS

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER % | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                  |                  |                  |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 11117W                      | 5302N             | 2608-17351            | 00000/0000           | 2-20032/1604     | 09/21/76         | 0               | 8478         | 33.3         | 148.8                 | GGGG                |                      | 44                    | 23                   |
| 11119W                      | 5257N             | 2500-17382            | 00000/0000           | 2-20026/0855     | 06/05/76         | 30              | 6972         | 53.7         | 136.4                 | GGGG                |                      | 44                    | 23                   |
| 11120W                      | 5258N             | 2536-17372            | 00000/0000           | 2-20028/1131     | 07/11/76         | 90              | 7474         | 52.3         | 134.2                 | FGG                 |                      | 44                    | 23                   |
| 11121W                      | 5253N             | 2518-17375            | 00000/0000           | 2-20027/0327     | 06/23/76         | 100             | 7223         | 54.0         | 134.2                 | GGGG                |                      | 44                    | 23                   |
| 11126W                      | 2852N             | 2476-17113            | 00000/0000           | 2-20025/0224     | 05/12/76         | 0               | 6637         | 58.4         | 102.3                 | GGGG                |                      | 38                    | 40                   |
| 11127W                      | 7737N             | 2543-19524            | 00000/0000           | 2-20028/1864     | 07/18/76         | 50              | 7573         | 33.2         | 186.0                 | GGGG                |                      | 69                    | 4                    |
| 11129W                      | 8007N             | 2520-21064            | 00000/0000           | 2-20027/0433     | 06/25/76         | 100             | 7253         | 32.4         | 206.8                 | GGGG                |                      | 82                    | 1                    |
| 11132W                      | 2854N             | 2692-17044            | 00000/0000           | 2-20037/0840     | 12/14/76         | 20              | 9649         | 28.4         | 144.2                 | FGG                 |                      | 38                    | 40                   |
| 11132W                      | 2851N             | 2602-17080            | 00000/0000           | 2-20032/1370     | 09/15/76         | 30              | 8394         | 49.1         | 123.4                 | GGG                 |                      | 38                    | 40                   |
| 11132W                      | 2850N             | 2422-17131            | 00000/0000           | 2-20022/0167     | 03/19/76         | 0               | 5884         | 45.6         | 124.8                 | GGGG                |                      | 38                    | 40                   |
| 11133W                      | 2309N             | 2475-17073            | 00000/0000           | 2-20025/0140     | 05/11/76         | 70              | 6623         | 58.1         | 92.8                  | GGGG                |                      | 37                    | 44                   |
| 11135W                      | 7923N             | 2515-20383            | 00000/0000           | 2-20027/0266     | 06/20/76         | 60              | 7183         | 33.6         | 199.6                 | GGGG                |                      | 77                    | 2                    |
| 11137W                      | 2842N             | 2404-17134            | 2-20027/0522         | 00000/0000       | 03/01/76         | 20              | 5633         | 39.8         | 130.3                 | GGG                 |                      | 38                    | 40                   |
| 11138W                      | 2304N             | 2601-17040            | 00000/0000           | 2-20032/1290     | 09/14/76         | 30              | 8380         | 51.2         | 115.7                 | GGGG                |                      | 37                    | 44                   |
| 11139W                      | 2307N             | 2421-17030            | 00000/0000           | 2-20022/0160     | 03/18/76         | 10              | 5870         | 47.4         | 119.0                 | GGGG                |                      | 37                    | 44                   |
| 11139W                      | 2307N             | 2631-17004            | 00000/0000           | 2-20037/0643     | 12/13/76         | 40              | 9635         | 32.5         | 141.3                 | PGGG                |                      | 37                    | 44                   |
| 11140W                      | 7932N             | 2410-20450            | 00000/0000           | 2-20025/0740     | 05/16/76         | 30              | 6695         | 29.0         | 202.5                 | GGGG                |                      | 77                    | 2                    |
| 11150W                      | 2726N             | 2476-17115            | 00000/0000           | 2-20025/0225     | 05/12/76         | 0               | 6637         | 58.4         | 99.8                  | GGGG                |                      | 38                    | 41                   |
| 11152W                      | 8011N             | 2557-21111            | 00000/0000           | 2-20030/0602     | 08/01/76         | 90              | 7769         | 26.7         | 206.4                 | FFFF                |                      | 82                    | 1                    |
| 11152W                      | 5144N             | 2464-17393            | 00000/0000           | 2-20024/0698     | 04/30/76         | 0               | 6470         | 47.7         | 140.7                 | G G                 |                      | 44                    | 24                   |
| 11153W                      | 5433N             | 2573-17413            | 00000/0000           | 2-20030/1438     | 08/17/76         | 90              | 7990         | 43.4         | 141.9                 | GGGG                |                      | 45                    | 22                   |
| 11154W                      | 5143N             | 2572-17364            | 00000/0000           | 2-20030/1311     | 08/16/76         | 30              | 7976         | 45.4         | 138.3                 | GGGG                |                      | 44                    | 24                   |
| 11155W                      | 5425N             | 2555-17420            | 00000/0000           | 2-20030/0537     | 07/30/76         | 90              | 7739         | 48.1         | 138.3                 | GGGG                |                      | 45                    | 22                   |
| 11155W                      | 2143N             | 2475-17075            | 00000/0000           | 2-20025/0141     | 05/11/76         | 60              | 6623         | 57.9         | 90.4                  | GGGG                |                      | 37                    | 43                   |
| 11156W                      | 5424N             | 2483-17440            | 00000/0000           | 2-20025/0719     | 05/19/76         | 100             | 6735         | 50.6         | 141.4                 | GGGG                |                      | 45                    | 22                   |
| 11156W                      | 5145N             | 2590-17361            | 00000/0000           | 2-20032/0583     | 09/03/76         | 40              | 8227         | 40.1         | 143.1                 | GGGG                |                      | 44                    | 24                   |
| 11156W                      | 5137N             | 2482-17391            | 00000/0000           | 2-20025/0626     | 05/18/76         | 10              | 6721         | 52.1         | 137.5                 | GGGG                |                      | 44                    | 24                   |
| 11156W                      | 2728N             | 2692-17151            | 00000/0000           | 2-20037/0841     | 12/14/76         | 10              | 9649         | 29.4         | 143.5                 | GGGG                |                      | 38                    | 41                   |
| 11156W                      | 2725N             | 2602-17083            | 00000/0000           | 2-20032/1371     | 09/15/76         | 20              | 8394         | 49.6         | 121.6                 | GGGG                |                      | 38                    | 41                   |
| 11156W                      | 2723N             | 2422-17103            | 00000/0000           | 2-20022/0164     | 03/19/76         | 10              | 5884         | 46.2         | 123.3                 | G                   |                      | 38                    | 41                   |
| 11158W                      | 5140N             | 2554-17371            | 00000/0000           | 2-20030/0342     | 07/29/76         | 90              | 7725         | 49.8         | 134.4                 | GGGG                |                      | 44                    | 24                   |
| 11159W                      | 8016N             | 2458-21193            | 00000/0000           | 2-20024/0903     | 05/04/76         | 0               | 6528         | 24.7         | 210.7                 | GGGG                |                      | 70                    | 248                  |
| 11159W                      | 5419N             | 2501-17437            | 00000/0000           | 2-20026/0851     | 06/06/76         | 30              | 6986         | 53.0         | 138.4                 | GGGG                |                      | 45                    | 22                   |
| 11200W                      | 5137N             | 2608-17354            | 00000/0000           | 2-20032/1605     | 09/21/76         | 0               | 8478         | 34.3         | 147.7                 | GGGG                |                      | 44                    | 24                   |
| 11200W                      | 2716N             | 2404-17141            | 2-20027/0523         | 00000/0000       | 03/01/76         | 10              | 5633         | 40.6         | 129.1                 | GGG                 |                      | 38                    | 41                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR MON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 11201N                      | 5425N             | 2609-17439            | 00000/0000           | 2-20032/1607     | 09/22/76            | 10              | 8492         | 31.9         | 150.2                 | GGGG                |                      | 45                    | 22                   |
| 11201N                      | 5420N             | 2519-17431            | 00000/0000           | 2-20027/0402     | 06/24/76            | 90              | 7237         | 53.2         | 136.4                 | FGGG                |                      | 45                    | 22                   |
| 11201W                      | 5132N             | 2500-17384            | 00000/0000           | 2-20026/0856     | 06/05/76            | 80              | 6972         | 54.4         | 134.2                 | GGGG                |                      | 44                    | 24                   |
| 11201N                      | 2140N             | 2421-17093            | 00000/0000           | 2-20022/0161     | 03/18/76            | 10              | 5870         | 47.9         | 117.4                 | FFFF                |                      | 37                    | 45                   |
| 11201W                      | 2138N             | 2601-17049            | 00000/0000           | 2-20032/1291     | 09/14/76            | 30              | 8380         | 51.6         | 113.8                 | GGGG                |                      | 37                    | 45                   |
| 11202W                      | 5134N             | 2536-17374            | 00000/0000           | 2-20028/1132     | 07/11/76            | 80              | 7474         | 53.0         | 132.0                 | FGG                 |                      | 44                    | 24                   |
| 11202W                      | 5129N             | 2518-17381            | 00000/0000           | 2-20027/0328     | 06/23/76            | 90              | 7223         | 54.7         | 132.0                 | GFGG                |                      | 44                    | 24                   |
| 11205W                      | 5129N             | 2644-17349            | 00000/0000           | 2-20035/0283     | 10/27/76            | 80              | 8980         | 22.1         | 154.3                 | GGGG                |                      | 44                    | 24                   |
| 11207W                      | 8017N             | 2450-21195            | 00000/0000           | 2-20023/0463     | 04/16/76            | 40              | 6277         | 19.0         | 209.5                 | GGGG                |                      | 70                    | 248                  |
| 11207W                      | 8015N             | 2594-21160            | 00000/0000           | 2-20032/1006     | 09/07/76            | 90              | 8285         | 14.4         | 208.3                 | GGGP                |                      | 83                    | 1                    |
| 11213N                      | 2600N             | 2476-17122            | 00000/0000           | 2-20025/0226     | 05/12/76            | 10              | 6637         | 58.4         | 97.3                  | GGGG                |                      | 38                    | 42                   |
| 11216W                      | 2016N             | 2475-17082            | 00000/0000           | 2-20025/0142     | 05/11/76            | 30              | 6623         | 57.6         | 88.1                  | FGGG                |                      | 37                    | 46                   |
| 11217W                      | 8008N             | 2503-21125            | 00000/0000           | 2-20026/1047     | 06/08/76            | 50              | 7016         | 31.7         | 208.5                 | GGGG                |                      | 83                    | 1                    |
| 11219W                      | 2601N             | 2692-17059            | 00000/0000           | 2-20037/0844     | 12/14/76            | 10              | 9649         | 30.4         | 142.8                 | GF                  | H                    | 38                    | 42                   |
| 11219W                      | 2559N             | 2602-17085            | 00000/0000           | 2-20032/1372     | 09/15/76            | 40              | 8394         | 50.1         | 119.9                 | GGGG                |                      | 38                    | 42                   |
| 11220W                      | 2556N             | 2422-17140            | 00000/0000           | 2-20022/0168     | 03/19/76            | 10              | 5884         | 46.7         | 121.7                 | GGGG                |                      | 38                    | 42                   |
| 11223N                      | 2550N             | 2404-17143            | 2-20027/0524         | 00000/0000       | 03/01/76            | 30              | 5633         | 41.3         | 127.9                 | GGG                 |                      | 38                    | 42                   |
| 11223W                      | 2014N             | 2421-17095            | 00000/0000           | 2-20022/0162     | 03/18/76            | 10              | 5870         | 48.3         | 115.7                 | GFGG                |                      | 37                    | 46                   |
| 11223W                      | 2011N             | 2601-17045            | 00000/0000           | 2-20032/1292     | 09/14/76            | 50              | 8380         | 51.9         | 111.9                 | GGGG                |                      | 37                    | 46                   |
| 11225W                      | 7046N             | 2476-18422            | 2-20027/0640         | 00000/0000       | 05/12/76            | 100             | 6638         | 37.2         | 167.2                 | GGG                 |                      | 56                    | 10                   |
| 11232W                      | 5558N             | 2592-17462            | 00000/0000           | 2-20032/1218     | 09/05/76            | 30              | 8255         | 36.6         | 147.8                 | GGGG                |                      | 46                    | 21                   |
| 11232W                      | 5024N             | 2446-17403            | 00000/0000           | 2-20023/0098     | 04/12/76            | 10              | 6219         | 42.7         | 141.7                 | FGGG                |                      | 44                    | 25                   |
| 11233W                      | 5551N             | 2484-17492            | 00000/0000           | 2-20025/0985     | 05/20/76            | 80              | 6749         | 49.9         | 143.2                 | GGG                 |                      | 46                    | 21                   |
| 11233W                      | 5020N             | 2464-17400            | 00000/0000           | 2-20024/0699     | 04/30/76            | 0               | 6470         | 48.5         | 139.0                 | GGGG                |                      | 44                    | 25                   |
| 11235W                      | 5554N             | 2610-17455            | 00000/0000           | 2-20032/1688     | 09/23/76            | 20              | 8506         | 30.5         | 151.7                 | GGGG                |                      | 46                    | 21                   |
| 11235W                      | 5311N             | 2465-17445            | 00000/0000           | 2-20024/1134     | 05/01/76            | 10              | 6484         | 47.1         | 142.4                 | GGGG                |                      | 45                    | 23                   |
| 11235W                      | 5019N             | 2572-17370            | 00000/0000           | 2-20030/1312     | 08/16/76            | 60              | 7976         | 46.2         | 136.6                 | GGGG                |                      | 44                    | 25                   |
| 11236W                      | 7936N             | 2589-20475            | 00000/0000           | 2-20032/0670     | 09/02/76            | 30              | 8215         | 17.4         | 200.5                 | GGGG                |                      | 78                    | 2                    |
| 11236W                      | 5552N             | 2556-17472            | 00000/0000           | 2-20030/0480     | 07/31/76            | 20              | 7753         | 47.0         | 140.4                 | GGGG                |                      | 46                    | 21                   |
| 11236W                      | 5020N             | 2590-17363            | 00000/0000           | 2-20032/0584     | 09/03/76            | 30              | 8227         | 41.0         | 141.6                 | GGGG                |                      | 44                    | 25                   |
| 11236W                      | 5012N             | 2482-17393            | 00000/0000           | 2-20025/0627     | 05/18/76            | 0               | 6721         | 52.8         | 135.5                 | GGG                 |                      | 44                    | 25                   |
| 11236W                      | 2434N             | 2476-17124            | 00000/0000           | 2-20025/0227     | 05/12/76            | 10              | 6637         | 58.3         | 94.8                  | GGGG                |                      | 38                    | 43                   |
| 11237W                      | 8014N             | 2576-21163            | 00000/0000           | 2-20030/1794     | 08/20/76            | 100             | 8034         | 20.9         | 207.3                 | GGGG                |                      | 83                    | 1                    |
| 11238W                      | 5309N             | 2573-17420            | 00000/0000           | 2-20030/1439     | 08/17/76            | 80              | 7990         | 44.3         | 140.3                 | FGGG                |                      | 45                    | 23                   |
| 11238W                      | 5019N             | 2698-17324            | 00000/0000           | 2-20037/1133     | 12/20/76            | 90              | 9733         | 11.9         | 153.1                 | GFGG                |                      | 44                    | 25                   |

KEYS: CLOUD COVER X ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL PRINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11238W                                  | 5016N             | 2554-17374                   | 00000/0000                  | 2-20030/0343     | 07/29/76            | 100             | 7725         | 50.5         | 132.4                              | GGGG                |                      | 44                    | 25                   |
| 11240W                                  | 5308N             | 2591-17413                   | 00000/0000                  | 2-20032/0810     | 09/04/76            | 20              | 8241         | 38.9         | 144.7                              | GGGG                |                      | 45                    | 23                   |
| 11240W                                  | 5302N             | 2555-17423                   | 00000/0000                  | 2-20030/0538     | 07/30/76            | 90              | 7739         | 48.8         | 136.4                              | GGGG                |                      | 45                    | 23                   |
| 11240W                                  | 5013N             | 2608-17360                   | 00000/0000                  | 2-20032/1606     | 09/21/76            | 0               | 8478         | 35.3         | 146.5                              | GGGG                |                      | 44                    | 25                   |
| 11241W                                  | 5300N             | 2483-17442                   | 00000/0000                  | 2-20025/0720     | 05/19/76            | 70              | 6735         | 51.5         | 139.4                              | GGGG                |                      | 45                    | 23                   |
| 11241W                                  | 5013N             | 2680-17332                   | 00000/0000                  | 2-20036/1759     | 12/02/76            | 50              | 9482         | 14.0         | 154.6                              | GGGG                |                      | 44                    | 25                   |
| 11241W                                  | 2435N             | 2632-17060                   | 00000/0000                  | 2-20037/0842     | 12/14/76            | 70              | 9649         | 31.4         | 142.0                              | GGGG                | H                    | 38                    | 43                   |
| 11242W                                  | 2432N             | 2602-17092                   | 00000/0000                  | 2-20032/1373     | 09/15/76            | 40              | 8394         | 50.6         | 118.1                              | GGGG                |                      | 38                    | 43                   |
| 11243W                                  | 2430N             | 2422-17142                   | 00000/0000                  | 2-20022/0169     | 03/15/76            | 30              | 5884         | 47.2         | 120.1                              | GGGG                |                      | 38                    | 43                   |
| 11244W                                  | 5255N             | 2501-17440                   | 00000/0000                  | 2-20026/0852     | 06/06/76            | 10              | 6986         | 53.8         | 136.3                              | GGGG                |                      | 45                    | 23                   |
| 11245W                                  | 2425N             | 2404-17150                   | 2-20027/0525                | 00000/0000       | 03/01/76            | 40              | 5633         | 41.9         | 126.6                              | GGG                 |                      | 38                    | 43                   |
| 11246W                                  | 5300N             | 2609-17410                   | 00000/0000                  | 2-20032/1608     | 09/22/76            | 10              | 8492         | 32.9         | 149.1                              | GGGG                |                      | 45                    | 23                   |
| 11246W                                  | 5255N             | 2519-17433                   | 00000/0000                  | 2-20027/0403     | 06/24/76            | 80              | 7237         | 53.9         | 134.2                              | GGG                 |                      | 45                    | 23                   |
| 11247W                                  | 7935N             | 2445-20514                   | 00000/0000                  | 2-20023/0005     | 04/11/76            | 0               | 6207         | 18.4         | 201.2                              | GGGG                |                      | 78                    | 2                    |
| 11250W                                  | 5255N             | 2627-17402                   | 00000/0000                  | 2-20034/0586     | 10/10/76            | 90              | 8743         | 26.7         | 152.7                              | GGG                 |                      | 45                    | 23                   |
| 11251W                                  | 8007N             | 2539-21115                   | 00000/0000                  | 2-20028/1498     | 07/14/76            | 90              | 7518         | 30.6         | 205.9                              | GGGG                |                      | 83                    | 1                    |
| 11254W                                  | 7029N             | 2404-18443                   | 2-20027/0508                | 00000/0000       | 03/01/76            | 10              | 5634         | 11.6         | 165.1                              | GGG                 |                      | 56                    | 10                   |
| 11256W                                  | 2845N             | 2477-17171                   | 2-20027/0631                | 00000/0000       | 05/13/76            | 10              | 6651         | 58.5         | 101.7                              | GGG                 |                      | 39                    | 40                   |
| 11258W                                  | 2853N             | 2603-17135                   | 00000/0000                  | 2-20032/1406     | 09/16/76            | 10              | 8408         | 48.8         | 123.9                              | GGGG                |                      | 39                    | 40                   |
| 11258W                                  | 2853N             | 2633-17103                   | 00000/0000                  | 2-20037/0855     | 12/15/76            | 0               | 9663         | 28.3         | 144.2                              | FGGF                |                      | 39                    | 40                   |
| 11258W                                  | 2851N             | 2423-17145                   | 00000/0000                  | 2-20022/0262     | 03/20/76            | 0               | 5898         | 45.9         | 124.5                              | FFGG                |                      | 39                    | 40                   |
| 11258W                                  | 2850N             | 2675-17111                   | 00000/0000                  | 2-20036/0289     | 11/27/76            | 50              | 9412         | 31.1         | 144.7                              | GGGG                |                      | 39                    | 40                   |
| 11259W                                  | 2308N             | 2476-17131                   | 00000/0000                  | 2-20025/0228     | 05/12/76            | 50              | 6637         | 58.1         | 92.3                               | FGGG                |                      | 38                    | 44                   |
| 11302W                                  | 8012N             | 2432-21202                   | 00000/0000                  | 2-20022/0941     | 03/29/76            | 10              | 6026         | 12.5         | 207.0                              | GGGF                |                      | 63                    | 1                    |
| 11304W                                  | 2308N             | 2692-17062                   | 00000/0000                  | 2-20037/0843     | 12/14/76            | 70              | 9649         | 32.4         | 141.2                              | GGGF                | H                    | 38                    | 44                   |
| 11304W                                  | 2305N             | 2602-17094                   | 00000/0000                  | 2-20032/1374     | 09/15/76            | 40              | 8394         | 51.0         | 116.3                              | GGGG                |                      | 38                    | 44                   |
| 11305W                                  | 2304N             | 2422-17145                   | 00000/0000                  | 2-20022/0165     | 03/19/76            | 50              | 5884         | 47.7         | 118.5                              | G                   |                      | 38                    | 44                   |
| 11307W                                  | 8005N             | 2521-21122                   | 00000/0000                  | 2-20028/0217     | 06/26/76            | 50              | 7267         | 32.3         | 206.6                              | GGGG                |                      | 83                    | 1                    |
| 11307W                                  | 7923N             | 2516-20441                   | 00000/0000                  | 2-20027/0277     | 06/21/76            | 10              | 7197         | 33.6         | 199.4                              | GGGG                |                      | 78                    | 2                    |
| 11307W                                  | 7849N             | 2459-20285                   | 00000/0000                  | 2-20024/0639     | 04/25/76            | 10              | 6402         | 24.3         | 196.0                              | GGGF                |                      | 74                    | 3                    |
| 11307W                                  | 2259N             | 2404-17152                   | 2-20027/0526                | 00000/0000       | 03/01/76            | 90              | 5633         | 42.6         | 125.3                              | GGG                 |                      | 38                    | 44                   |
| 11309W                                  | 7931N             | 2481-20505                   | 00000/0000                  | 2-20025/0920     | 05/17/76            | 30              | 6709         | 29.3         | 202.4                              | GGGG                |                      | 78                    | 2                    |
| 11313W                                  | 8011N             | 2486-21185                   | 00000/0000                  | 2-20026/0393     | 05/22/76            | 50              | 6779         | 29.2         | 209.9                              | GGGG                |                      | 83                    | 1                    |
| 11318W                                  | 5147N             | 2465-17452                   | 00000/0000                  | 2-20024/1135     | 05/01/76            | 0               | 6484         | 48.0         | 140.6                              | FGGG                |                      | 45                    | 24                   |
| 11319W                                  | 2718N             | 2477-17174                   | 2-20027/0632                | 00000/0000       | 05/13/76            | 10              | 6651         | 58.5         | 99.1                               | GGG                 |                      | 39                    | 41                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RALI | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 11320N                      | 5434N             | 2592-17464            | 00000/0000           | 2-20032/1219     | 09/05/76            | 70              | 8255         | 37.6         | 146.4                 | GGGG                |                      | 46                    | 22                   |
| 11320N                      | 5427N             | 2434-17494            | 00000/0000           | 2-20025/0986     | 05/20/76            | 70              | 6749         | 50.8         | 141.3                 | GGGG                |                      | 46                    | 22                   |
| 11321N                      | 5145N             | 2573-17422            | 00700/0000           | 2-20030/1440     | 03/17/76            | 40              | 7990         | 45.1         | 138.6                 | GGGG                |                      | 45                    | 24                   |
| 11321N                      | 2726N             | 2693-17.05            | 00000/0000           | 2-20037/0859     | 12/15/76            | 0               | 9663         | 29.3         | 143.4                 | GG                  |                      | 39                    | 41                   |
| 11321N                      | 2141N             | 2476-17133            | 00000/0000           | 2-20025/0229     | 05/12/76            | 90              | 6637         | 57.9         | 89.9                  | PGGG                | H                    | 38                    | 45                   |
| 11322N                      | 5143N             | 2591-17415            | 00000/0000           | 2-20032/0811     | 09/04/76            | 40              | 8241         | 39.8         | 143.3                 | GGGG                |                      | 45                    | 24                   |
| 11322N                      | 2727N             | 2603-17141            | 00000/0000           | 2-20032/1407     | 09/16/76            | 10              | 8408         | 49.4         | 122.2                 | GGGG                |                      | 39                    | 41                   |
| 11322N                      | 2725N             | 2423-17191            | 00000/0000           | 2-20022/0263     | 03/20/76            | 0               | 5898         | 46.5         | 122.9                 | GGGG                |                      | 39                    | 41                   |
| 11322N                      | 2724N             | 2675-17114            | 00000/0000           | 2-20036/0293     | 11/27/76            | 20              | 9412         | 32.2         | 143.9                 | GG                  |                      | 39                    | 41                   |
| 11323N                      | 5430N             | 2610-17461            | 00000/0000           | 2-20032/1689     | 09/23/76            | 10              | 8506         | 31.5         | 150.5                 | FGGG                |                      | 46                    | 22                   |
| 11323N                      | 5428N             | 2556-17475            | 00000/0000           | 2-20030/0481     | 07/31/76            | 50              | 7753         | 47.8         | 138.5                 | GGGG                |                      | 46                    | 22                   |
| 11323N                      | 5420N             | 2502-17492            | 00000/0000           | 2-20026/0394     | 06/07/76            | 80              | 7000         | 53.1         | 138.3                 | GGGG                |                      | 46                    | 22                   |
| 11323N                      | 5138N             | 2555-17425            | 00000/0000           | 2-20030/0539     | 07/30/76            | 90              | 7739         | 49.6         | 134.5                 | GGGG                |                      | 45                    | 24                   |
| 11323N                      | 5136N             | 2483-17445            | 00000/0000           | 2-20025/0721     | 05/19/76            | 30              | 6735         | 52.3         | 137.3                 | GGGG                |                      | 45                    | 24                   |
| 11324N                      | 5422N             | 2538-17482            | 00000/0000           | 2-20024/0982     | 07/13/76            | 80              | 7502         | 51.3         | 136.4                 | GGGG                |                      | 46                    | 22                   |
| 11325N                      | 8012N             | 2558-21170            | 00000/0000           | 2-20030/0640     | 08/02/76            | 80              | 7783         | 26.5         | 206.3                 | GFFF                |                      | 84                    | 1                    |
| 11326N                      | 5418N             | 2520-17485            | 00000/0000           | 2-20028/0085     | 06/25/76            | 90              | 7251         | 53.2         | 136.3                 | GGGG                |                      | 46                    | 22                   |
| 11326N                      | 5132N             | 2501-17442            | 00000/0000           | 2-20026/0853     | 06/06/76            | 50              | 6986         | 54.5         | 134.0                 | GGGG                |                      | 45                    | 24                   |
| 11328N                      | 5136N             | 2603-17412            | 00000/0000           | 2-20032/1609     | 09/22/76            | 30              | 8492         | 33.9         | 147.9                 | GGGG                |                      | 45                    | 24                   |
| 11328N                      | 5131N             | 2519-17440            | 00000/0000           | 2-20027/0404     | 06/24/76            | 40              | 7237         | 54.6         | 132.0                 | GGGG                |                      | 45                    | 24                   |
| 11329N                      | 2133N             | 2404-17155            | 2-20027/0527         | 00000/0000       | 03/01/76            | 90              | 5633         | 43.2         | 124.0                 | GGG                 |                      | 38                    | 45                   |
| 11332N                      | 5131N             | 2627-17405            | 00000/0000           | 2-20034/0587     | 10/10/76            | 90              | 8743         | 27.8         | 151.7                 | GGGG                |                      | 45                    | 24                   |
| 11335N                      | 7747N             | 2599-20023            | 00000/0000           | 2-20032/1275     | 09/12/76            | 10              | 8354         | 16.0         | 188.5                 | GGGG                |                      | 71                    | 4                    |
| 11342N                      | 2552N             | 2477-17180            | 2-20027/0633         | 00000/0000       | 05/13/76            | 80              | 6651         | 58.5         | 96.6                  | GGG                 |                      | 39                    | 42                   |
| 11345N                      | 7843N             | 2477-20282            | 2-20025/1274         | 2-20025/0386     | 05/13/76            | 80              | 6653         | 29.5         | 195.9                 | GGG                 |                      | 74                    | 3                    |
| 11345N                      | 2559N             | 2693-17112            | 00000/0000           | 2-20037/0856     | 12/15/76            | 10              | 9663         | 30.3         | 142.7                 | GGGG                |                      | 39                    | 42                   |
| 11345N                      | 2558N             | 2423-17194            | 00000/0000           | 2-20022/0264     | 03/20/76            | 60              | 5898         | 47.0         | 121.4                 | GGGG                | H                    | 39                    | 42                   |
| 11345N                      | 2558N             | 2675-17120            | 00000/0000           | 2-20036/0290     | 11/27/76            | 60              | 9412         | 33.2         | 143.1                 | GGGG                | H                    | 39                    | 42                   |
| 11346N                      | 2600N             | 2603-17144            | 00000/0000           | 2-20032/1408     | 09/16/76            | 10              | 8408         | 49.9         | 120.5                 | GGGG                |                      | 39                    | 42                   |
| 11350N                      | 7927N             | 2499-20502            | 00000/0000           | 2-20026/1198     | 06/04/76            | 90              | 6960         | 32.5         | 201.2                 | G                   |                      | 79                    | 2                    |
| 11351N                      | 2007N             | 2404-17161            | 2-20027/0528         | 00000/0000       | 03/01/76            | 40              | 5633         | 43.8         | 122.6                 | GGG                 |                      | 38                    | 46                   |
| 11354N                      | 8008N             | 2504-21193            | 00000/0000           | 2-20026/1056     | 06/09/76            | 90              | 7030         | 31.8         | 208.4                 | GGGG                |                      | 84                    | 1                    |
| 11356N                      | 7936N             | 2446-20573            | 00000/0000           | 2-20023/0101     | 04/12/76            | 10              | 6221         | 18.7         | 201.5                 | FGGG                |                      | 79                    | 2                    |
| 11357N                      | 7935N             | 2464-20570            | 00000/0000           | 2-20024/1201     | 04/30/76            | 10              | 6472         | 24.7         | 202.6                 | FGGG                |                      | 79                    | 2                    |
| 11358N                      | 5022N             | 2465-17454            | 00000/0000           | 2-20024/1136     | 05/01/76            | 10              | 6484         | 48.8         | 138.8                 | FGGG                |                      | 45                    | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | SERIAL NO.<br>ID | MICROFILM<br>POSITION | ROLL NO.<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|------------------|-----------------------|---------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 11358H                      | 3014N            | 2496-17220            | 00000/0000          | 2-20026/0586     | 06/01/76            | 0               | 6916         | 59.6         | 97.5                  | GGGG                |                      | 40                    | 39                   |
| 11358H                      | 3013N            | 2514-17214            | 00000/0000          | 2-20027/0275     | 06/19/76            | 0               | 7167         | 59.2         | 94.4                  | GGGF                |                      | 40                    | 39                   |
| 11359H                      | 5021N            | 2447-17461            | 00000/0000          | 2-20023/0099     | 04/13/76            | 90              | 6233         | 43.1         | 141.5                 | GGGG                |                      | 45                    | 25                   |
| 11401H                      | 5310N            | 2466-17503            | 00000/0000          | 2-20024/1277     | 05/02/76            | 0               | 6498         | 47.4         | 142.2                 | GGGG                |                      | 46                    | 23                   |
| 11402H                      | 5020N            | 2573-17425            | 00000/0000          | 2-20030/1441     | 08/17/76            | 50              | 7990         | 45.9         | 136.9                 | GGGG                |                      | 45                    | 25                   |
| 11403H                      | 5019N            | 2591-17422            | 00000/0000          | 2-20032/0812     | 09/04/76            | 30              | 8241         | 40.7         | 141.9                 | GGGG                |                      | 45                    | 25                   |
| 11403H                      | 5019N            | 2639-17382            | 00000/0000          | 2-20037/1061     | 12/21/76            | 50              | 9747         | 11.9         | 153.0                 | GGGG                |                      | 45                    | 25                   |
| 11403H                      | 5019N            | 2717-17374            | 00000/0000          | 2-20038/1035     | 01/08/77            | 60              | 9998         | 12.4         | 150.5                 | GGGG                |                      | 45                    | 25                   |
| 11403H                      | 5014N            | 2555-17432            | 00000/0000          | 2-20030/0540     | 07/30/76            | 100             | 7739         | 50.3         | 132.5                 | GGGG                |                      | 45                    | 25                   |
| 11403H                      | 5011N            | 2483-17451            | 00000/0000          | 2-20025/0722     | 05/19/76            | 40              | 6735         | 53.0         | 135.3                 | GGGG                |                      | 45                    | 25                   |
| 11403H                      | 3013N            | 2622-17183            | 00000/0000          | 2-20034/0388     | 10/05/76            | 0               | 8673         | 43.7         | 134.1                 | GGGG                |                      | 40                    | 39                   |
| 11404H                      | 3013N            | 2658-17171            | 00000/0000          | 2-20034/0209     | 11/10/76            | 60              | 9175         | 34.0         | 144.0                 | GGGG                |                      | 40                    | 39                   |
| 11404H                      | 2426N            | 2477-17183            | 2-20027/0634        | 00000/0000       | 05/13/76            | 60              | 6651         | 58.4         | 94.1                  | GGG                 |                      | 39                    | 43                   |
| 11405H                      | 5310N            | 2592-17471            | 00000/0000          | 2-20032/1220     | 09/05/76            | 90              | 8255         | 38.5         | 145.0                 | GGGG                |                      | 46                    | 23                   |
| 11405H                      | 5302N            | 2434-17501            | 00000/0000          | 2-20025/0987     | 05/20/76            | 90              | 6749         | 51.6         | 139.2                 | GGGG                |                      | 46                    | 23                   |
| 11405H                      | 3012N            | 2640-17175            | 00000/0000          | 2-20034/1141     | 10/23/76            | 20              | 8924         | 38.9         | 140.2                 | GGGG                |                      | 40                    | 39                   |
| 11405H                      | 3009N            | 2388-17251            | 00000/0000          | 2-20020/1276     | 02/14/76            | 10              | 5410         | 34.4         | 135.7                 | FFGG                |                      | 40                    | 39                   |
| 11405H                      | 3008N            | 2370-17253            | 00000/0000          | 2-20020/1343     | 01/27/76            | 0               | 5159         | 30.4         | 140.0                 | FFGG                |                      | 40                    | 39                   |
| 11406H                      | 5959N            | 2487-18051            | 00000/0000          | 2-20025/1169     | 05/23/76            | 10              | 6791         | 47.8         | 148.7                 | GGGG                |                      | 49                    | 18                   |
| 11406H                      | 5308N            | 2574-17474            | 00000/0000          | 2-20030/1519     | 08/18/76            | 10              | 8004         | 44.0         | 140.5                 | GGGG                |                      | 46                    | 23                   |
| 11407H                      | 2433N            | 2693-17114            | 00000/0000          | 2-20037/0857     | 12/15/76            | 20              | 9663         | 31.3         | 141.9                 | GGGG                | H                    | 39                    | 43                   |
| 11408H                      | 8008N            | 2540-21173            | 00000/0000          | 2-20028/1379     | 07/15/76            | 90              | 7532         | 30.4         | 206.1                 | FFGG                |                      | 84                    | 1                    |
| 11408H                      | 5304N            | 2556-17481            | 00000/0000          | 2-20030/0482     | 07/31/76            | 90              | 7753         | 48.6         | 136.6                 | FFGG                |                      | 46                    | 23                   |
| 11408H                      | 5256N            | 2502-17494            | 00000/0000          | 2-20026/0395     | 06/07/76            | 90              | 7000         | 53.8         | 136.1                 | GGGG                |                      | 46                    | 23                   |
| 11408H                      | 5011N            | 2609-17415            | 00000/0000          | 2-20032/1610     | 09/22/76            | 30              | 8492         | 34.9         | 146.7                 | GGGG                |                      | 45                    | 25                   |
| 11408H                      | 2431N            | 2675-17123            | 00000/0000          | 2-20036/0291     | 11/27/76            | 70              | 9412         | 34.1         | 142.2                 | GGGG                | H                    | 39                    | 43                   |
| 11409H                      | 5306N            | 2610-17464            | 00000/0000          | 2-20032/1690     | 09/23/76            | 10              | 8506         | 32.5         | 149.4                 | FFGG                |                      | 46                    | 23                   |
| 11409H                      | 5258N            | 2538-17484            | 00000/0000          | 2-20028/0983     | 07/13/76            | 20              | 7502         | 52.0         | 134.3                 | GGGG                |                      | 46                    | 23                   |
| 11411H                      | 5255N            | 2520-17491            | 00000/0000          | 2-20028/0086     | 06/25/76            | 90              | 7251         | 53.9         | 134.1                 | GGGG                |                      | 46                    | 23                   |
| 11412H                      | 7925N            | 2535-20492            | 00000/0000          | 2-20028/1170     | 07/10/76            | 10              | 7462         | 32.3         | 198.7                 | FFGG                |                      | 79                    | 2                    |
| 11412H                      | 1841N            | 2404-17164            | 2-20027/0529        | 00000/0000       | 03/01/76            | 10              | 5633         | 44.3         | 121.2                 | GGG                 |                      | 38                    | 47                   |
| 11416H                      | 7030N            | 2405-18501            | 2-20027/0541        | 00000/0000       | 03/02/76            | 10              | 5648         | 11.9         | 165.2                 | GGG                 |                      | 57                    | 10                   |
| 11418H                      | 2851N            | 2478-17230            | 2-20025/1275        | 2-20025/0398     | 05/14/76            | 50              | 6665         | 58.6         | 101.4                 | GGG                 | GGGG                 | 40                    | 40                   |
| 11419H                      | 7935N            | 2572-20540            | 00000/0000          | 2-20030/1396     | 08/16/76            | 100             | 7978         | 23.4         | 199.7                 | GGGG                |                      | 79                    | 2                    |
| 11422H                      | 8006N            | 2522-21140            | 00000/0000          | 2-20028/0230     | 06/27/76            | 70              | 7281         | 32.3         | 206.8                 | GGFG                |                      | 84                    | 1                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NOAA-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 11423                       | 2851N | 2424-17249 | 00000/0000        | 2-20022/0411                 | 03/21/76                    | 0                | 5912                | 46.2            | 124.1        | FGPG         |                       |                     | 40                   | 40                    |                      |
| 11425                       | 7932N | 2452-20563 | 00000/0000        | 2-20025/0924                 | 05/18/76                    | 40               | 6723                | 29.5            | 202.6        | GGGG         |                       |                     | 79                   | 2                     |                      |
| 11425                       | 2852N | 2676-17165 | 00000/0000        | 2-20037/0095                 | 11/28/76                    | 10               | 9426                | 30.9            | 144.7        | G            |                       |                     | 40                   | 40                    |                      |
| 11425                       | 2851N | 2694-17161 | 00000/0000        | 2-20037/0942                 | 12/16/76                    | 0                | 9677                | 28.2            | 144.1        | GG           |                       |                     | 40                   | 40                    |                      |
| 11426                       | 2849N | 2604-17139 | 00000/0000        | 2-20032/1495                 | 09/17/76                    | 40               | 8422                | 48.6            | 124.4        | GGGG         |                       |                     | 40                   | 40                    |                      |
| 11428                       | 7924N | 2517-20495 | 00000/0000        | 2-20027/0394                 | 06/22/76                    | 10               | 7211                | 33.5            | 199.5        | GGGG         |                       |                     | 79                   | 2                     |                      |
| 11428                       | 6928N | 2476-15424 | 2-20027/0641      | 00000/0000                   | 05/12/76                    | 100              | 6638                | 38.2            | 164.7        | GGG          |                       |                     | 56                   | 11                    |                      |
| 11430                       | 2307N | 2693-17121 | 00000/0000        | 2-20037/0858                 | 12/15/76                    | 60               | 9663                | 32.3            | 141.1        | GFGG         |                       | H                   | 39                   | 44                    |                      |
| 11431                       | 2305N | 2675-17125 | 00000/0000        | 2-20036/0292                 | 11/27/76                    | 60               | 9412                | 35.1            | 141.4        | GGGG         |                       | H                   | 39                   | 44                    |                      |
| 11434                       | 1715N | 2404-17170 | 2-20027/0530      | 00000/0000                   | 03/01/76                    | 20               | 5633                | 44.8            | 119.8        | GGG          |                       |                     | 38                   | 48                    |                      |
| 11442                       | 5434N | 2467-17555 | 00000/0000        | 2-20024/1247                 | 05/03/76                    | 10               | 6512                | 46.8            | 143.8        | GGGG         |                       |                     | 47                   | 22                    |                      |
| 11442                       | 2725N | 2478-17232 | 00000/0000        | 2-20025/0399                 | 05/14/76                    | 90               | 6665                | 58.6            | 98.8         | GGGG         |                       |                     | 40                   | 41                    |                      |
| 11443                       | 5146N | 2466-17510 | 00000/0000        | 2-20024/1278                 | 05/02/76                    | 10               | 6498                | 48.2            | 140.4        | GGGG         |                       |                     | 46                   | 24                    |                      |
| 11444                       | 7847N | 2450-20343 | 00000/0000        | 2-20024/0628                 | 04/26/76                    | 10               | 6416                | 24.6            | 195.9        | GGGG         |                       |                     | 75                   | 3                     |                      |
| 11444                       | 5435N | 2575-17530 | 00000/0000        | 2-20030/1452                 | 08/19/76                    | 80               | 8018                | 42.8            | 142.4        | FGFF         |                       |                     | 47                   | 22                    |                      |
| 11444                       | 5147N | 2448-17513 | 00000/0000        | 2-20023/0225                 | 04/14/76                    | 80               | 6247                | 42.5            | 142.9        | FGGG         |                       |                     | 46                   | 24                    |                      |
| 11446                       | 5433N | 2593-17523 | 00000/0000        | 2-20032/0908                 | 09/06/76                    | 90               | 8269                | 37.3            | 146.6        | GGGG         |                       |                     | 47                   | 22                    |                      |
| 11447                       | 5138N | 2484-17503 | 00000/0000        | 2-20025/0948                 | 05/20/76                    | 100              | 6749                | 52.4            | 137.2        | GGGG         |                       |                     | 46                   | 24                    |                      |
| 11447                       | 2725N | 2424-17245 | 00000/0000        | 2-20022/0412                 | 03/21/76                    | 10               | 5912                | 46.8            | 122.6        | FGGG         |                       |                     | 40                   | 41                    |                      |
| 11448                       | 5146N | 2592-17473 | 00000/0000        | 2-20032/1221                 | 09/05/76                    | 80               | 8255                | 39.5            | 143.6        | GGGG         |                       |                     | 46                   | 24                    |                      |
| 11448                       | 2727N | 2676-17172 | 00000/0000        | 2-20037/0100                 | 11/28/76                    | 10               | 9426                | 31.9            | 143.9        | GFG          |                       |                     | 40                   | 41                    |                      |
| 11449                       | 5426N | 2611-17520 | 00000/0000        | 2-20032/1852                 | 09/24/76                    | 70               | 8520                | 31.2            | 150.7        | GGGG         |                       |                     | 47                   | 22                    |                      |
| 11449                       | 5426N | 2557-17533 | 00000/0000        | 2-20030/0485                 | 08/01/76                    | 80               | 7767                | 47.6            | 138.7        | GGGG         |                       |                     | 47                   | 22                    |                      |
| 11449                       | 5143N | 2574-17480 | 00000/0000        | 2-20030/1520                 | 08/18/76                    | 20               | 8004                | 44.8            | 138.8        | GGGG         |                       |                     | 46                   | 24                    |                      |
| 11449                       | 2725N | 2694-17163 | 00000/0000        | 2-20037/0938                 | 12/16/76                    | 10               | 9677                | 29.2            | 143.3        | GGFG         |                       | H                   | 40                   | 41                    |                      |
| 11450                       | 5139N | 2556-17484 | 00000/0000        | 2-20030/0483                 | 07/31/76                    | 80               | 7753                | 49.3            | 134.7        | GGGG         |                       |                     | 46                   | 24                    |                      |
| 11450                       | 5132N | 2502-17501 | 00000/0000        | 2-20026/0396                 | 06/07/76                    | 50               | 7000                | 54.6            | 133.9        | GGGG         |                       |                     | 46                   | 24                    |                      |
| 11450                       | 2723N | 2604-17135 | 00000/0000        | 2-20032/1496                 | 09/17/76                    | 50               | 8422                | 49.2            | 122.7        | GGGG         |                       |                     | 40                   | 41                    |                      |
| 11451                       | 5134N | 2538-17491 | 00000/0000        | 2-20028/0984                 | 07/13/76                    | 50               | 7502                | 52.7            | 132.2        | GGGG         |                       |                     | 46                   | 24                    |                      |
| 11452                       | 5421N | 2539-17540 | 00000/0000        | 2-20028/1231                 | 07/14/76                    | 90               | 7516                | 51.1            | 136.5        | FF           |                       |                     | 47                   | 22                    |                      |
| 11452                       | 5141N | 2610-17470 | 00000/0000        | 2-20032/1631                 | 09/23/76                    | 10               | 8506                | 33.5            | 148.2        | FFGG         |                       |                     | 46                   | 24                    |                      |
| 11453                       | 6912N | 2404-18445 | 2-20027/0509      | 00000/0000                   | 03/01/76                    | 0                | 5634                | 12.6            | 163.2        | GGG          |                       |                     | 56                   | 11                    |                      |
| 11453                       | 5418N | 2503-17550 | 00000/0000        | 2-20026/1024                 | 06/08/76                    | 10               | 7014                | 53.1            | 138.1        | GGGG         |                       |                     | 47                   | 22                    |                      |
| 11453                       | 5131N | 2520-17494 | 00000/0000        | 2-20022/0037                 | 06/25/76                    | 80               | 7251                | 54.6            | 131.9        | GGGF         |                       |                     | 46                   | 24                    |                      |
| 11455                       | 1548N | 2404-17173 | 2-20027/0531      | 00000/0000                   | 03/01/76                    | 40               | 5633                | 45.3            | 118.3        | GGG          |                       |                     | 38                   | 49                    |                      |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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 LANDSAT-2  
 COORDINATE LISTING  
 FOR NON-US

PAGE 1374

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|----------------------------|------------------|---------------------|---------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11456N                                  | 6054N             | 2488-12104                   | 00000/0000                 | 2-20024/0296     | 05/24/76            | 80            | 6805         | 47.3         | 150.0                              | G                   |                      | 50                    | 17                   |
| 11457N                                  | 5131N             | 2628-17463                   | 00000/0000                 | 2-20034/0505     | 10/11/76            | 40            | 8757         | 27.4         | 151.9                              | GGGG                |                      | 46                    | 24                   |
| 11500N                                  | 7930N             | 2428-20550                   | 00000/0000                 | 2-20022/0438     | 03/25/76            | 90            | 5970         | 12.1         | 198.9                              | GGGG                |                      | 80                    | 2                    |
| 11505N                                  | 5835N             | 2487-18054                   | 00000/0000                 | 2-20025/1170     | 05/23/76            | 10            | 6791         | 48.7         | 146.7                              | FGGG                |                      | 49                    | 19                   |
| 11505N                                  | 2558N             | 2478-17235                   | 2-20025/1276               | 2-20025/0400     | 05/14/76            | 90            | 6665         | 58.6         | 96.3                               | GGG GGGG            |                      | 40                    | 42                   |
| 11509N                                  | 7846N             | 2442-20350                   | 00000/0000                 | 2-20022/1394     | 04/08/76            | 20            | 6165         | 18.4         | 194.3                              | FGGG                |                      | 75                    | 3                    |
| 11511N                                  | 2601N             | 2676-17174                   | 00000/0000                 | 2-20037/0101     | 11/28/76            | 20            | 9426         | 32.9         | 143.1                              | GGGG                |                      | 40                    | 42                   |
| 11512N                                  | 2559N             | 2694-17170                   | 00000/0000                 | 2-20037/0939     | 12/16/76            | 40            | 9677         | 30.2         | 142.6                              | GGGG                | H                    | 40                    | 42                   |
| 11516N                                  | 7937N             | 2447-21031                   | 00000/0000                 | 2-20023/0116     | 04/13/76            | 70            | 6235         | 19.1         | 201.7                              | GGGG                |                      | 80                    | 2                    |
| 11516N                                  | 1422N             | 2404-17175                   | 2-20027/0532               | 00000/0000       | 03/01/76            | 50            | 5633         | 45.8         | 116.9                              | GGG                 |                      | 38                    | 50                   |
| 11519N                                  | 7937N             | 2465-21024                   | 00000/0000                 | 2-20024/1312     | 05/01/76            | 10            | 6486         | 25.0         | 202.9                              | GGGG                |                      | 80                    | 2                    |
| 11519N                                  | 7842N             | 2478-20340                   | 00000/0000                 | 2-20025/0411     | 05/14/76            | 10            | 6667         | 29.8         | 195.8                              | GG                  |                      | 76                    | 3                    |
| 11520N                                  | 3023N             | 2443-17291                   | 00000/0000                 | 2-20022/1771     | 04/09/76            | 0             | 6177         | 51.5         | 119.0                              | GGFG                |                      | 41                    | 39                   |
| 11520N                                  | 3022N             | 2461-17284                   | 00000/0000                 | 2-20024/0246     | 04/27/76            | 30            | 6428         | 55.9         | 111.4                              | GGGG                |                      | 41                    | 39                   |
| 11523N                                  | 3022N             | 2562-17255                   | 00000/0000                 | 2-20030/1177     | 08/13/76            | 20            | 7934         | 54.1         | 108.4                              | GGGG                |                      | 41                    | 39                   |
| 11523N                                  | 3017N             | 2479-17281                   | 00000/0000                 | 2-20025/0676     | 05/15/76            | 30            | 6679         | 58.7         | 103.6                              | GGGG                |                      | 41                    | 39                   |
| 11524N                                  | 7927N             | 2500-20560                   | 00000/0000                 | 2-20026/0705     | 06/05/76            | 90            | 6974         | 32.6         | 201.1                              | GGGG                |                      | 80                    | 2                    |
| 11524N                                  | 5021N             | 2466-17512                   | 00000/0000                 | 2-20024/1279     | 05/02/76            | 10            | 6498         | 49.1         | 138.6                              | GGGG                |                      | 46                    | 25                   |
| 11524N                                  | 3021N             | 2713-17214                   | 00000/0000                 | 2-20038/0598     | 01/04/77            | 90            | 9942         | 26.4         | 142.2                              | GGGG                |                      | 41                    | 39                   |
| 11524N                                  | 3019N             | 2425-17295                   | 00000/0000                 | 2-20022/0417     | 03/22/76            | 10            | 5926         | 45.9         | 125.3                              | GGGG                |                      | 41                    | 39                   |
| 11524N                                  | 3017N             | 2551-17262                   | 00000/0000                 | 2-20030/0252     | 07/26/76            | 70            | 7683         | 56.2         | 100.7                              | GGGG                |                      | 41                    | 39                   |
| 11524N                                  | 3016N             | 2437-17275                   | 00000/0000                 | 2-20026/0643     | 06/02/76            | 20            | 6930         | 59.6         | 97.3                               | GFGG                |                      | 41                    | 39                   |
| 11524N                                  | 3016N             | 2533-17265                   | 00000/0000                 | 2-20028/0965     | 07/08/76            | 30            | 7432         | 57.9         | 95.7                               | GGGG                |                      | 41                    | 39                   |
| 11525N                                  | 7937N             | 2591-20591                   | 00000/0000                 | 2-20032/0793     | 09/04/76            | 40            | 8243         | 16.7         | 200.7                              | FGGG                |                      | 80                    | 2                    |
| 11525N                                  | 5022N             | 2448-17515                   | 00000/0000                 | 2-20023/0226     | 04/14/76            | 90            | 6247         | 43.4         | 141.4                              | GGGG                |                      | 46                    | 25                   |
| 11525N                                  | 3022N             | 2587-17259                   | 00000/0000                 | 2-20032/0449     | 08/31/76            | 20            | 8185         | 51.4         | 117.4                              | GGGG                |                      | 41                    | 39                   |
| 11525N                                  | 3020N             | 2695-17212                   | 00000/0000                 | 2-20037/1093     | 12/17/76            | 10            | 9691         | 27.1         | 144.7                              | FGGG                |                      | 41                    | 39                   |
| 11525N                                  | 3011N             | 2515-17272                   | 00000/0000                 | 2-20027/0203     | 06/20/76            | 10            | 7181         | 59.1         | 94.3                               | GGGG                |                      | 41                    | 39                   |
| 11527N                                  | 3019N             | 2731-17200                   | 00000/0000                 | 2-20038/1587     | 11/22/77            | 40            | 193          | 28.0         | 138.6                              | GGGG                |                      | 41                    | 39                   |
| 11527N                                  | 3018N             | 2605-17245                   | 00000/0000                 | 2-20032/1518     | 09/18/76            | 30            | 8436         | 47.8         | 126.5                              | GGGG                |                      | 41                    | 39                   |
| 11527N                                  | 3017N             | 2677-17221                   | 00000/0000                 | 2-20037/0586     | 11/29/76            | 0             | 9440         | 29.7         | 145.5                              | GGGG                |                      | 41                    | 39                   |
| 11528N                                  | 5309N             | 2467-17562                   | 00000/0000                 | 2-20024/1248     | 05/03/76            | 10            | 6512         | 47.7         | 142.1                              | GGGG                |                      | 47                    | 23                   |
| 11528N                                  | 5013N             | 2484-17510                   | 00000/0000                 | 2-20025/0989     | 05/20/76            | 100           | 6749         | 53.2         | 135.1                              | GGGG                |                      | 46                    | 25                   |
| 11528N                                  | 2432N             | 2478-17241                   | 2-20025/1277               | 2-20025/0401     | 05/14/76            | 40            | 6665         | 58.4         | 93.8                               | GGG GGGG            |                      | 40                    | 43                   |
| 11529N                                  | 5310N             | 2575-17532                   | 00000/0000                 | 2-20030/1453     | 08/19/76            | 80            | 8018         | 43.7         | 140.8                              | FFFF                |                      | 47                    | 23                   |

KEYS: CLOUD COVER ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING

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FOR NON-US

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>REV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|----------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               | REV                   | MSS                  |                  | %              |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 11529N                      | 5021N             | 2592-17480            | 00000/0000           | 2-20032/1222     | 09/05/76       | 60              | 8255         | 40.4         | 142.2                 | GGGG                |                      | 46                    | 25                   |
| 11529N                      | 5019N             | 2574-17483            | 00000/0000           | 2-20030/1521     | 08/18/76       | 40              | 8004         | 45.6         | 137.2                 | GGGG                |                      | 46                    | 25                   |
| 11529N                      | 5017N             | 2430-17523            | 00000/0000           | 2-20022/0967     | 03/27/76       | 70              | 5996         | 36.8         | 143.4                 | GGGG                |                      | 46                    | 25                   |
| 11529N                      | 5016N             | 2659-17225            | 00000/0000           | 2-20034/0285     | 11/11/76       | 10              | 9189         | 33.8         | 144.2                 | GGGG                |                      | 41                    | 39                   |
| 11530N                      | 5302N             | 2485-17555            | 00000/0000           | 2-20025/1228     | 05/21/76       | 40              | 6763         | 51.8         | 139.1                 | FGGG                |                      | 47                    | 23                   |
| 11530N                      | 5018N             | 2700-17440            | 00000/0000           | 2-20037/1299     | 12/22/76       | 50              | 9761         | 11.9         | 152.9                 | GGGG                |                      | 46                    | 25                   |
| 11530N                      | 5015N             | 2556-17490            | 00000/0000           | 2-20030/0484     | 07/31/76       | 40              | 7753         | 50.0         | 132.8                 | GGGG                |                      | 46                    | 25                   |
| 11530N                      | 3012N             | 2641-17234            | 00000/0000           | 2-20034/1156     | 10/24/76       | 10              | 8938         | 38.6         | 140.5                 | GGGG                |                      | 41                    | 39                   |
| 11530N                      | 3009N             | 2371-17311            | 00000/0000           | 2-20020/0518     | 01/28/76       | 0               | 5173         | 30.5         | 139.8                 | GGGG                |                      | 41                    | 39                   |
| 11531N                      | 5308N             | 2593-17525            | 00000/0000           | 2-20032/0909     | 09/06/76       | 90              | 8269         | 38.2         | 145.2                 | GGGG                |                      | 47                    | 23                   |
| 11531N                      | 3012N             | 2623-17241            | 00000/0000           | 2-20034/0428     | 10/06/76       | 20              | 8687         | 43.5         | 134.4                 | GGGG                |                      | 41                    | 39                   |
| 11531N                      | 3009N             | 2359-17305            | 00000/0000           | 2-20020/1532     | 02/15/76       | 20              | 5424         | 34.7         | 135.5                 | GGGG                |                      | 41                    | 39                   |
| 11533N                      | 5016N             | 2610-17473            | 00000/0000           | 2-20032/1692     | 09/23/76       | 30              | 8506         | 34.5         | 147.0                 | GGGG                |                      | 46                    | 25                   |
| 11534N                      | 5304N             | 2611-17522            | 00000/0000           | 2-20032/1853     | 09/24/76       | 90              | 8520         | 32.2         | 149.6                 | GGGG                |                      | 47                    | 23                   |
| 11534N                      | 5302N             | 2557-17535            | 00000/0000           | 2-20030/0486     | 08/01/76       | 70              | 7767         | 48.4         | 136.8                 | GGGG                |                      | 47                    | 23                   |
| 11534N                      | 2434N             | 2676-17181            | 00000/0000           | 2-20037/0102     | 11/28/76       | 40              | 9426         | 33.9         | 142.3                 | FGGG                |                      | 40                    | 43                   |
| 11534N                      | 2433N             | 2694-17172            | 00000/0000           | 2-20037/0940     | 12/16/76       | 50              | 9677         | 31.2         | 141.8                 | GGGG                |                      | 40                    | 43                   |
| 11535N                      | 5303N             | 2683-17494            | 00000/0000           | 2-20037/0258     | 12/05/76       | 80              | 9524         | 11.2         | 155.8                 | G                   |                      | 47                    | 23                   |
| 11536N                      | 5267N             | 2539-17543            | 00000/0000           | 2-20028/1232     | 07/14/76       | 80              | 7516         | 51.9         | 134.4                 | FF P                |                      | 47                    | 23                   |
| 11536N                      | 1255N             | 2404-17182            | 2-20027/0533         | 00000/0000       | 03/01/76       | 60              | 5633         | 46.2         | 115.4                 | GGG                 |                      | 38                    | 51                   |
| 11537N                      | 5254N             | 2521-17550            | 00000/0000           | 2-20028/0130     | 06/26/76       | 90              | 7265         | 53.8         | 134.1                 | FGFF                |                      | 47                    | 23                   |
| 11538N                      | 5254N             | 2503-17552            | 00000/0000           | 2-20028/1025     | 06/08/76       | 20              | 7014         | 53.9         | 135.9                 | FGGG                |                      | 47                    | 23                   |
| 11542N                      | 7934N             | 2573-20594            | 00000/0000           | 2-20030/1443     | 08/17/76       | 90              | 7992         | 23.1         | 199.6                 | FGFF                |                      | 80                    | 2                    |
| 11548N                      | 2853N             | 2425-17301            | 00000/0000           | 2-20022/0418     | 03/22/76       | 10              | 5926         | 46.5         | 123.8                 | FGGG                |                      | 41                    | 40                   |
| 11549N                      | 7925N             | 2536-20590            | 00000/0000           | 2-20028/1308     | 07/11/76       | 90              | 7476         | 32.1         | 193.6                 | GGGG                |                      | 80                    | 2                    |
| 11550N                      | 2854N             | 2695-17215            | 00000/0000           | 2-20037/1086     | 12/17/76       | 20              | 9691         | 28.1         | 144.0                 | FG                  |                      | 41                    | 40                   |
| 11551N                      | 2851N             | 2605-17251            | 00000/0000           | 2-20032/1519     | 09/18/76       | 80              | 8436         | 48.4         | 124.9                 | GGGG                |                      | 41                    | 40                   |
| 11556N                      | 7931N             | 2483-21021            | 00000/0000           | 2-20025/0983     | 05/19/76       | 50              | 6737         | 29.7         | 202.5                 | GGGG                |                      | 80                    | 2                    |
| 11556N                      | 2306N             | 2694-17175            | 00000/0000           | 2-20037/0941     | 12/16/76       | 40              | 9677         | 32.2         | 141.1                 | GGGG                |                      | 40                    | 44                   |
| 11559N                      | 5930N             | 2488-10110            | 00000/0000           | 2-20026/0297     | 05/24/76       | 80              | 6805         | 48.2         | 147.9                 | GG G                |                      | 50                    | 18                   |
| 11557N                      | 2307N             | 2676-17183            | 00000/0000           | 2-20037/0103     | 11/28/76       | 50              | 9426         | 34.9         | 141.5                 | GGGG                |                      | 40                    | 44                   |
| 11559N                      | 7849N             | 2461-20501            | 00000/0000           | 2-20024/0500     | 04/27/76       | 40              | 6430         | 24.9         | 196.1                 | GGGG                |                      | 76                    | 3                    |
| 11600N                      | 5723N             | 2677-18033            | 00000/0000           | 2-20030/1702     | 08/21/76       | 70              | 8046         | 40.4         | 146.1                 | GGGG                |                      | 49                    | 20                   |
| 11600N                      | 5712N             | 2487-18060            | 00000/0000           | 2-20025/1171     | 05/23/76       | 20              | 6791         | 49.6         | 144.7                 | FGGG                |                      | 49                    | 20                   |
| 11604N                      | 7635N             | 2543-19530            | 00000/0000           | 2-20028/1865     | 07/18/76       | 30              | 7573         | 34.3         | 181.0                 | FGGG                |                      | 69                    | 5                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR USN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | SUBSATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER % | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-----------------|-----------------------|----------------------|------------------|------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT             | RBY                   | MSS                  |                  |                  |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 116044                      | 5715N           | 2613-18023            | 00000/0000           | 2-20034/0043     | 09/26/76         | 0               | 8548         | 28.4         | 153.5                 | GGG                 |                      | 49                    | 20                   |
| 116054                      | 5708N           | 2505-18053            | 00000/0000           | 2-20026/1311     | 06/10/76         | 80              | 7042         | 51.6         | 142.2                 | FGGG                |                      | 49                    | 20                   |
| 116104                      | 5705N           | 2523-18051            | 00000/0000           | 2-20024/1347     | 06/28/76         | 40              | 7293         | 51.4         | 140.5                 | GGGG                |                      | 49                    | 20                   |
| 116114                      | 7931N           | 2429-21034            | 00000/0000           | 2-20022/0592     | 03/26/76         | 90              | 5984         | 12.5         | 199.1                 | GGGG                |                      | 80                    | 2                    |
| 116114                      | 5147N           | 2449-17571            | 00000/0000           | 2-20023/1243     | 04/15/76         | 90              | 6261         | 42.9         | 142.8                 | GFG                 |                      | 47                    | 24                   |
| 116114                      | 5145N           | 2467-17564            | 00000/0000           | 2-20024/1249     | 05/03/76         | 10              | 6512         | 48.5         | 140.3                 | GGGG                |                      | 47                    | 24                   |
| 116124                      | 5146N           | 2575-17535            | 00000/0000           | 2-20030/1454     | 08/19/76         | 90              | 8018         | 44.5         | 139.1                 | FFFF                |                      | 47                    | 24                   |
| 116134                      | 5137N           | 2485-17561            | 00000/0000           | 2-20025/1229     | 05/21/76         | 60              | 6763         | 52.6         | 137.0                 | GGGG                |                      | 47                    | 24                   |
| 116134                      | 2728N           | 2695-17221            | 00000/0000           | 2-20037/1084     | 12/17/76         | 20              | 9691         | 29.1         | 143.3                 | FGGG                | H                    | 41                    | 41                   |
| 116144                      | 5145N           | 2593-17532            | 00000/0000           | 2-20032/0910     | 09/06/76         | 90              | 8269         | 39.2         | 143.9                 | GGGG                |                      | 47                    | 24                   |
| 116154                      | 7749N           | 2475-20172            | 00000/0000           | 2-20025/0145     | 05/11/76         | 30              | 6625         | 30.1         | 190.2                 | GGGG                |                      | 72                    | 4                    |
| 116154                      | 5143N           | 2701-17492            | 00000/0000           | 2-20037/1275     | 12/23/76         | 70              | 9775         | 10.7         | 153.4                 | GGGG                |                      | 47                    | 24                   |
| 116164                      | 6913N           | 2405-18503            | 2-20027/0542         | 00000/0000       | 03/02/76         | 10              | 5648         | 13.0         | 163.2                 | GGG                 |                      | 57                    | 11                   |
| 116164                      | 5139N           | 2611-17525            | 00000/0000           | 2-20032/1854     | 09/24/76         | 60              | 8520         | 33.2         | 148.4                 | GGGG                |                      | 47                    | 24                   |
| 116164                      | 5138N           | 2557-17542            | 00000/0000           | 2-20030/0487     | 08/01/76         | 30              | 7767         | 49.1         | 134.9                 | GGGG                |                      | 47                    | 24                   |
| 116174                      | 6810N           | 2476-18431            | 2-20027/0642         | 00000/0000       | 05/12/76         | 90              | 6638         | 39.3         | 162.3                 | GFG                 |                      | 56                    | 12                   |
| 116184                      | 7847N           | 2587-20365            | 00000/0000           | 2-20032/0658     | 08/31/76         | 30              | 8187         | 19.3         | 193.7                 | GGGG                |                      | 76                    | 3                    |
| 116184                      | 5139N           | 2683-17500            | 00000/0000           | 2-20037/1259     | 12/05/76         | 60              | 9524         | 12.3         | 155.1                 | G                   |                      | 47                    | 24                   |
| 116194                      | 5132N           | 2539-17545            | 00000/0000           | 2-20024/1233     | 07/14/76         | 80              | 7516         | 52.6         | 132.2                 | FFPF                |                      | 47                    | 24                   |
| 116194                      | 5129N           | 2521-17552            | 00000/0000           | 2-20024/0131     | 06/26/76         | 90              | 7265         | 54.5         | 131.8                 | GGGG                |                      | 47                    | 24                   |
| 116204                      | 5131N           | 2395-17535            | 00000/0000           | 2-20021/0354     | 02/21/76         | 80              | 5508         | 22.6         | 147.9                 | GFG                 |                      | 47                    | 24                   |
| 116204                      | 5130N           | 2503-17555            | 00000/0000           | 2-20026/1026     | 06/08/76         | 60              | 7014         | 54.6         | 133.7                 | FGGG                |                      | 47                    | 24                   |
| 116214                      | 7931N           | 2609-20544            | 00000/0000           | 2-20032/1770     | 09/22/76         | 80              | 8494         | 9.9          | 200.7                 | GGGG                |                      | 81                    | 2                    |
| 116234                      | 5126N           | 2377-17592            | 00000/0000           | 2-20020/0942     | 02/03/76         | 70              | 5257         | 17.1         | 150.0                 | GGGG                |                      | 47                    | 24                   |
| 116274                      | 7846N           | 2443-20404            | 00000/0000           | 2-20022/1738     | 04/09/76         | 50              | 6179         | 18.8         | 194.5                 | GGGG                |                      | 76                    | 3                    |
| 116314                      | 7843N           | 2479-20394            | 00000/0000           | 2-20025/0637     | 05/15/76         | 30              | 6681         | 30.0         | 195.9                 | GGFF                |                      | 76                    | 3                    |
| 116364                      | 5839N           | 2560-18092            | 00000/0000           | 2-20030/0773     | 08/04/76         | 10              | 7809         | 44.3         | 144.7                 | GGGG                |                      | 50                    | 19                   |
| 116364                      | 2602N           | 2695-17224            | 00000/0000           | 2-20037/1085     | 12/17/76         | 30              | 9691         | 30.1         | 142.5                 | FGGG                |                      | 41                    | 42                   |
| 116364                      | 5830N           | 2542-18095            | 00000/0000           | 2-20028/1733     | 07/17/76         | 10              | 7558         | 48.3         | 142.8                 | GGG                 | H                    | 50                    | 19                   |
| 116394                      | 6753N           | 2404-18452            | 2-20027/0510         | 00000/0000       | 03/01/76         | 0               | 5634         | 13.7         | 161.4                 | GGG                 |                      | 56                    | 12                   |
| 116414                      | 7929N           | 2555-21002            | 00000/0000           | 2-20030/0457     | 07/30/76         | 40              | 7741         | 28.4         | 198.5                 | GGGG                |                      | 81                    | 2                    |
| 116454                      | 7935N           | 2448-21085            | 00000/0000           | 2-20023/0125     | 04/14/76         | 10              | 6249         | 19.4         | 201.7                 | GGGG                |                      | 81                    | 2                    |
| 116514                      | 5559N           | 2577-18040            | 00000/0000           | 2-20030/1703     | 08/21/76         | 40              | 8046         | 41.3         | 144.5                 | GGGG                |                      | 49                    | 21                   |
| 116514                      | 5548N           | 2487-18063            | 00000/0000           | 2-20025/1172     | 05/23/76         | 10              | 6791         | 50.5         | 142.7                 | GGGG                |                      | 49                    | 21                   |
| 116514                      | 5020N           | 2467-17571            | 00000/0000           | 2-20024/1250     | 05/03/76         | 80              | 6512         | 49.4         | 138.4                 | GGGG                |                      | 47                    | 25                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 23, 77

 LANDSAT-2  
 COORDINATE LISTING

PAGE 1377

FOR NON-US

FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MISSION<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE=QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|----------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT               |                            |                             |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 11651                       | 3017N             | 2426-17353                 | 00000/0000                  | 2-20022/0489     | 03/23/76            | 80              | 5940         | 46.3         | 125.0                 | FGGG                |                      | 42                    | 39                   |
| 11652                       | 7936N             | 2466-21052                 | 00000/0000                  | 2-20024/1193     | 05/02/76            | 10              | 6500         | 25.3         | 202.8                 | GFFG                |                      | 81                    | 2                    |
| 11652                       | 5022N             | 2449-17574                 | 00000/0000                  | 2-20023/0244     | 04/15/76            | 90              | 6261         | 43.8         | 141.2                 | FGGG                |                      | 47                    | 25                   |
| 11652                       | 5022N             | 2575-17541                 | 00000/0000                  | 2-20030/1455     | 08/19/76            | 90              | 8018         | 45.3         | 137.5                 | FFFF                |                      | 47                    | 25                   |
| 11653                       | 7926N             | 2501-21015                 | 00000/0000                  | 2-20026/1015     | 06/06/76            | 40              | 6988         | 32.7         | 200.9                 | GGGG                |                      | 81                    | 2                    |
| 11653                       | 5807N             | 2488-18113                 | 00000/0000                  | 2-20026/0298     | 05/24/76            | 80              | 6805         | 49.2         | 145.9                 | GGGG                |                      | 50                    | 19                   |
| 11653                       | 5013N             | 2485-17564                 | 00000/0000                  | 2-20025/1230     | 05/21/76            | 50              | 6763         | 53.4         | 134.9                 | GGGG                |                      | 47                    | 25                   |
| 11653                       | 3017N             | 2606-17303                 | 00000/0000                  | 2-20032/1531     | 09/19/76            | 90              | 8450         | 47.6         | 127.0                 | GGGG                |                      | 42                    | 39                   |
| 11653                       | 3016N             | 2678-17275                 | 00000/0000                  | 2-20036/1468     | 11/30/76            | 0               | 9454         | 29.5         | 145.5                 | GGFG                |                      | 42                    | 39                   |
| 11655                       | 5551N             | 2613-18030                 | 00000/0000                  | 2-20034/0044     | 09/26/76            | 10              | 8548         | 29.4         | 152.3                 | GGGG                |                      | 49                    | 21                   |
| 11656                       | 7936N             | 2592-21050                 | 00000/0000                  | 2-20032/0802     | 09/05/76            | 100             | 8257         | 16.3         | 200.6                 | GGGG                |                      | 81                    | 2                    |
| 11656                       | 5545N             | 2505-18060                 | 00000/0000                  | 2-20026/1312     | 06/10/76            | 90              | 7042         | 52.4         | 140.0                 | GGGG                |                      | 49                    | 21                   |
| 11656                       | 5015N             | 2611-17531                 | 00000/0000                  | 2-20032/1855     | 09/24/76            | 50              | 8520         | 34.2         | 147.3                 | GGGG                |                      | 47                    | 25                   |
| 11657                       | 5014N             | 2557-17544                 | 00000/0000                  | 2-20030/0488     | 08/01/76            | 20              | 7767         | 49.8         | 133.0                 | GGGG                |                      | 47                    | 25                   |
| 11658                       | 5015N             | 2633-17503                 | 00000/0000                  | 2-20037/0260     | 12/05/76            | 70              | 9524         | 13.5         | 154.5                 | GGGG                |                      | 47                    | 25                   |
| 11700                       | 5542N             | 2523-18053                 | 00000/0000                  | 2-20028/0348     | 06/28/76            | 30              | 7293         | 52.2         | 138.4                 | GGGG                |                      | 49                    | 21                   |
| 11701                       | 7936N             | 2574-21052                 | 00000/0000                  | 2-20030/1751     | 08/18/76            | 100             | 8006         | 22.7         | 199.9                 | GGGG                |                      | 81                    | 2                    |
| 11703                       | 7926N             | 2537-21005                 | 00000/0000                  | 2-20028/1253     | 07/12/76            | 90              | 7490         | 32.0         | 198.7                 | GGGG                |                      | 81                    | 2                    |
| 11708                       | 7924N             | 2519-21012                 | 00000/0000                  | 2-20028/0077     | 06/24/76            | 50              | 7239         | 33.5         | 199.5                 | GGGG                |                      | 81                    | 2                    |
| 11717                       | 2850N             | 2678-17282                 | 00000/0000                  | 2-20036/1472     | 11/30/76            | 0               | 9454         | 30.6         | 144.7                 | GG                  | H                    | 42                    | 40                   |
| 11720                       | 7933N             | 2610-21042                 | 00000/0000                  | 2-20032/1824     | 09/23/76            | 10              | 8508         | 9.4          | 201.2                 | GGGG                |                      | 81                    | 2                    |
| 11722                       | 7848N             | 2462-20455                 | 00000/0000                  | 2-20024/0913     | 04/28/76            | 10              | 6444         | 25.2         | 196.0                 | GGGG                |                      | 77                    | 3                    |
| 11722                       | 6125N             | 2562-18200                 | 00000/0000                  | 2-20030/0903     | 08/06/76            | 60              | 7837         | 42.0         | 148.7                 | GGGG                |                      | 52                    | 17                   |
| 11725                       | 5721N             | 2578-18031                 | 00000/0000                  | 2-20032/0028     | 08/22/76            | 90              | 8060         | 40.1         | 146.3                 | GGGG                |                      | 50                    | 20                   |
| 11728                       | 7930N             | 2484-21075                 | 00000/0000                  | 2-20025/1214     | 3/20/76             | 40              | 6751         | 29.9         | 202.4                 | GGGG                |                      | 81                    | 2                    |
| 11729                       | 5720N             | 2596-18084                 | 00000/0000                  | 2-20032/1223     | 09/09/76            | 40              | 8311         | 34.3         | 150.1                 | GGGG                |                      | 50                    | 20                   |
| 11730                       | 5716N             | 2560-18095                 | 00000/0000                  | 2-20030/0774     | 08/04/76            | 30              | 7809         | 45.2         | 142.9                 | GGGG                |                      | 50                    | 20                   |
| 11731                       | 7932N             | 2430-21032                 | 00000/0000                  | 2-20022/0482     | 03/27/76            | 70              | 5998         | 12.8         | 193.4                 | GGGF                |                      | 81                    | 2                    |
| 11733                       | 5713N             | 2614-18081                 | 00000/0000                  | 2-20034/0122     | 05/27/76            | 20              | 8562         | 28.1         | 153.6                 | G                   |                      | 50                    | 20                   |
| 11733                       | 5707N             | 2542-18102                 | 00000/0000                  | 2-20028/1734     | 07/17/76            | 30              | 7558         | 49.1         | 140.7                 | GGGF                |                      | 50                    | 20                   |
| 11733                       | 5706N             | 2506-18112                 | 00000/0000                  | 2-20026/1318     | 06/11/76            | 70              | 7056         | 51.7         | 142.0                 | GGGG                |                      | 50                    | 20                   |
| 11734                       | 5148N             | 2450-18025                 | 00000/0000                  | 2-20023/0245     | 04/16/76            | 70              | 6275         | 43.2         | 142.7                 | GGGG                |                      | 48                    | 24                   |
| 11736                       | 5704N             | 2524-18105                 | 00000/0000                  | 2-20028/0786     | 06/29/76            | 20              | 7307         | 51.4         | 140.5                 | GGFG                |                      | 50                    | 20                   |
| 11738                       | 5435N             | 2577-18042                 | 00000/0000                  | 2-20030/1704     | 08/21/76            | 30              | 8046         | 42.2         | 142.9                 | GGGF                |                      | 49                    | 22                   |
| 11739                       | 5424N             | 2487-18065                 | 00000/0000                  | 2-20025/1173     | 05/23/76            | 30              | 6791         | 51.3         | 140.7                 | GGGG                |                      | 49                    | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE G=GOOD P=POOR F=FAIR  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



02:44 APR 23, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LAT   | LONG | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------|-------|------|-------------------|------------------------------|----------------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 11741N                      | 2724N |      | 2678-17284        | 00000/0000                   | 2-20034/1469               | 11/30/76         | 10                  | 9454            | 31.6         | 144.0        | FFFF                  |                     | 4                    | 42                    | 41                   |
| 11742N                      | 5144N |      | 2576-17593        | 00000/0000                   | 2-20037/0186               | 08/20/76         | 90                  | 8032            | 44.3         | 139.4        | GGGG                  |                     |                      | 48                    | 24                   |
| 11743N                      | 5427N |      | 2613-18032        | 00000/0000                   | 2-20034/0045               | 09/26/76         | 0                   | 8548            | 30.5         | 151.1        | GFGG                  |                     |                      | 49                    | 22                   |
| 11743N                      | 5133N |      | 2504-18013        | 00000/0000                   | 2-20026/1317               | 06/09/76         | 90                  | 7028            | 54.7         | 133.6        | GGGG                  |                     |                      | 48                    | 24                   |
| 11744N                      | 5420N |      | 2505-18062        | 00000/0000                   | 2-20026/1313               | 06/10/76         | 70                  | 7042            | 53.2         | 137.9        | GGGG                  |                     |                      | 49                    | 22                   |
| 11746N                      | 7546N |      | 2452-19500        | 00000/0000                   | 2-20023/0526               | 04/18/76         | 10                  | 6304            | 25.3         | 180.3        | GGGG                  |                     |                      | 63                    | 6                    |
| 11746N                      | 5419N |      | 2523-18060        | 00000/0000                   | 2-20028/0349               | 06/28/76         | 20                  | 7293            | 53.0         | 136.2        | GGGG                  |                     |                      | 49                    | 22                   |
| 11747N                      | 7847N |      | 2444-20463        | 00000/0000                   | 2-20022/1877               | 04/10/76         | 30                  | 6193            | 19.1         | 194.7        | GGGG                  |                     |                      | 77                    | 3                    |
| 11747N                      | 5644N |      | 2488-18115        | 00000/0000                   | 2-20024/0299               | 05/24/76         | 90                  | 6805            | 50.0         | 143.9        | GGGG                  |                     |                      | 50                    | 20                   |
| 11750W                      | 7930N |      | 2556-21000        | 00000/0000                   | 2-20030/0501               | 07/31/76         | 100                 | 7755            | 28.1         | 198.7        | FGGG                  |                     |                      | 82                    | 2                    |
| 11750W                      | 7832N |      | 2515-20385        | 00000/0000                   | 2-20027/0267               | 06/20/76         | 10                  | 7183            | 34.7         | 193.0        | GGGG                  |                     |                      | 77                    | 3                    |
| 11756W                      | 6649N |      | 2476-18439        | 2-20027/0643                 | 00000/0000                 | 05/12/76         | 50                  | 6638            | 40.4         | 160.0        | GGG                   |                     |                      | 56                    | 13                   |
| 11759N                      | 3133N |      | 2391-17415        | 00000/0000                   | 2-20020/1441               | 02/17/76         | 80                  | 5452            | 34.4         | 135.9        | GGGG                  |                     |                      | 43                    | 38                   |
| 11802N                      | 7938N |      | 2467-21140        | 00000/0000                   | 2-20024/0475               | 05/03/76         | 80                  | 6514            | 25.6         | 203.1        | GGGG                  |                     |                      | 82                    | 2                    |
| 11804N                      | 2558N |      | 2678-17291        | 00000/0000                   | 2-20036/1470               | 11/30/76         | 20                  | 9454            | 32.6         | 143.2        | GGGG                  |                     |                      | 42                    | 42                   |
| 11805N                      | 5832N |      | 2543-18154        | 00000/0000                   | 2-20028/1837               | 07/18/76         | 20                  | 7572            | 48.1         | 142.9        | GGG                   |                     | H                    | 51                    | 19                   |
| 11806W                      | 7843N |      | 2450-20459        | 00000/0000                   | 2-20025/0741               | 05/16/76         | 50                  | 6695            | 30.2         | 195.8        | GGGG                  |                     |                      | 77                    | 3                    |
| 11815N                      | 6634N |      | 2404-18454        | 2-20027/0511                 | 00000/0000                 | 03/01/76         | 0                   | 5634            | 14.7         | 159.7        | GGG                   |                     |                      | 56                    | 13                   |
| 11815N                      | 5558N |      | 2578-18094        | 00000/0000                   | 2-20037/0029               | 08/22/76         | 30                  | 8060            | 41.1         | 144.7        | GGGG                  |                     |                      | 50                    | 21                   |
| 11815N                      | 5023N |      | 2450-18032        | 00000/0000                   | 2-20023/0246               | 04/16/76         | 90                  | 6275            | 44.1         | 141.1        | GGGG                  |                     |                      | 48                    | 25                   |
| 11817N                      | 5022N |      | 2468-18025        | 00000/0000                   | 2-20024/1351               | 05/04/76         | 10                  | 6526            | 49.6         | 138.3        | GFGG                  |                     |                      | 48                    | 25                   |
| 11818N                      | 3016N |      | 2679-17333        | 00000/0000                   | 2-20036/1742               | 12/01/76         | 0                   | 9468            | 29.4         | 145.5        | GFGF                  |                     |                      | 43                    | 39                   |
| 11820W                      | 5556N |      | 2596-18091        | 00000/0000                   | 2-20030/1224               | 09/09/76         | 60                  | 8311            | 35.3         | 148.7        | GGGG                  |                     |                      | 50                    | 21                   |
| 11820W                      | 5552N |      | 2560-18101        | 00000/0000                   | 2-20030/0775               | 08/04/76         | 90                  | 7809            | 46.0         | 141.1        | FGGG                  |                     |                      | 50                    | 21                   |
| 11821N                      | 7645N |      | 2599-20025        | 00000/0000                   | 2-20037/1276               | 09/12/76         | 10                  | 8354            | 17.1         | 183.7        | GGGG                  |                     |                      | 71                    | 5                    |
| 11821N                      | 5019N |      | 2702-17553        | 00000/0000                   | 2-20037/1306               | 12/24/76         | 80                  | 9789            | 11.8         | 152.6        | GFGG                  |                     |                      | 48                    | 25                   |
| 11822W                      | 7935N |      | 2593-21104        | 00000/0000                   | 2-20037/0972               | 09/06/76         | 90                  | 8271            | 16.0         | 200.6        | GGGG                  |                     |                      | 82                    | 2                    |
| 11822N                      | 5020N |      | 2576-17595        | 00000/0000                   | 2-20037/0187               | 08/20/76         | 90                  | 8032            | 45.1         | 137.7        | GGGG                  |                     |                      | 48                    | 25                   |
| 11823N                      | 5543N |      | 2506-18114        | 00000/0000                   | 2-20024/1319               | 06/11/76         | 60                  | 7056            | 52.5         | 139.9        | GGGG                  |                     |                      | 50                    | 21                   |
| 11823W                      | 5311N |      | 2577-18045        | 00000/0000                   | 2-20030/1705               | 08/21/76         | 70                  | 8046            | 43.1         | 141.3        | GGGF                  |                     |                      | 49                    | 23                   |
| 11823N                      | 5018N |      | 2594-17592        | 00000/0000                   | 2-20032/0926               | 09/07/76         | 70                  | 8283            | 39.8         | 142.7        | GGGG                  |                     |                      | 48                    | 25                   |
| 11823N                      | 5015N |      | 2558-18003        | 00000/0000                   | 2-20030/0780               | 08/02/76         | 90                  | 7781            | 49.6         | 133.2        | GGGG                  |                     |                      | 48                    | 25                   |
| 11824N                      | 5549N |      | 2614-18084        | 00000/0000                   | 2-20034/0123               | 09/27/76         | 10                  | 8562            | 29.1         | 152.5        | GGGG                  |                     |                      | 50                    | 21                   |
| 11824W                      | 5543N |      | 2542-18104        | 00000/0000                   | 2-20028/1735               | 07/17/76         | 20                  | 7558            | 49.9         | 138.7        | GGGG                  |                     |                      | 50                    | 21                   |
| 11824N                      | 5300N |      | 2487-18072        | 00000/0000                   | 2-20025/1174               | 05/23/76         | 90                  | 6791            | 52.1         | 138.7        | GGGG                  |                     |                      | 49                    | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=18X GAIN, 4=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR US-48  
FROM 01/22/76 TO 01/22/77

PAGE 1379

| PRINCIPAL PRINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>- POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11825N 7925N                            | 2502-21073        | 00000/0000 2-20026/1476                              | 06/07/76         | 20                  | 7002            | 32.8         | 200.8        |                                    |                     |                      |                       |                      |
| 11825N 6002N                            | 2562-182J2        | 00000/0000 2-20030/0904                              | 03/06/76         | 90                  | 7837            | 42.9         | 146.8        | GGGG                               |                     |                      | 82                    | 2                    |
| 11826N 5540N                            | 2524-18111        | 00000/0000 2-20028/0757                              | 06/29/76         | 20                  | 7307            | 52.2         | 138.3        | GGFG                               |                     |                      | 52                    | 18                   |
| 11827N 2431N                            | 2678-17293        | 00000/0000 2-20034/1471                              | 11/30/76         | 40                  | 9454            | 33.6         | 142.3        | GGFG                               |                     |                      | 50                    | 21                   |
| 11828N 5303N                            | 2613-18035        | 00000/0000 2-20034/0046                              | 09/26/76         | 0                   | 8548            | 31.5         | 150.0        | GGGG                               |                     | H                    | 42                    | 43                   |
| 11828N 5256N                            | 2505-18065        | 00000/0000 2-20026/1314                              | 06/10/76         | 90                  | 7042            | 54.0         | 135.7        | GGGG                               |                     |                      | 49                    | 23                   |
| 11830N 7925N                            | 2538-21063        | 00000/0000 2-20028/1354                              | 07/13/76         | 90                  | 7504            | 31.8         | 198.6        | GGGG                               |                     |                      | 49                    | 23                   |
| 11830N 5255N                            | 2523-18062        | 00000/0000 2-20028/0350                              | 06/28/76         | 10                  | 7293            | 53.7         | 134.0        | GGFG                               |                     |                      | 82                    | 2                    |
| 11833N 7935N                            | 2575-21111        | 00000/0000 2-20032/0308                              | 08/19/76         | 50                  | 8020            | 22.4         | 199.8        | GGGG                               |                     |                      | 49                    | 23                   |
| 11837N 5521N                            | 2488-18122        | 00000/0000 2-20026/0300                              | 05/24/76         | 90                  | 6805            | 50.9         | 141.9        | GGGG                               |                     |                      | 82                    | 2                    |
| 11842N 2850N                            | 2679-17340        | 00000/0000 2-20036/1747                              | 12/01/76         | 0                   | 9468            | 30.4         | 144.7        | GGGG                               |                     |                      | 50                    | 21                   |
| 11845N 7924N                            | 2520-21070        | 00000/0000 2-20027/0434                              | 06/25/76         | 100                 | 7253            | 33.5         | 199.3        | GG                                 |                     |                      | 43                    | 40                   |
| 11845N 7753N                            | 2459-20291        | 00000/0000 2-20024/0640                              | 04/25/76         | 0                   | 6402            | 25.4         | 190.1        | GGGG                               |                     |                      | 82                    | 2                    |
| 11849N 5724N                            | 2579-18150        | 00000/0000 2-20030/1765                              | 08/23/76         | 90                  | 8074            | 39.8         | 146.5        | GGGG                               |                     |                      | 74                    | 4                    |
| 11853N 5718N                            | 2561-18153        | 00000/0000 2-20030/0819                              | 08/05/76         | 60                  | 7823            | 44.9         | 143.1        | G                                  |                     |                      | 51                    | 20                   |
| 11854N 7931N                            | 2611-21101        | 00000/0000 2-20032/1760                              | 09/24/76         | 20                  | 8522            | 9.0          | 201.0        | GGGG                               |                     |                      | 51                    | 20                   |
| 11854N 5713N                            | 2489-18173        | 00000/0000 2-20026/0135                              | 05/25/76         | 90                  | 6819            | 49.9         | 144.5        | GGFG                               |                     |                      | 82                    | 2                    |
| 11858N 5709N                            | 2543-18160        | 00000/0000 2-20028/1838                              | 07/18/76         | 10                  | 7572            | 48.9         | 140.8        | GGGG                               |                     |                      | 51                    | 20                   |
| 11903N 7931N                            | 2485-21134        | 00000/0000 2-20026/0001                              | 05/21/76         | 80                  | 6765            | 30.1         | 202.3        | GGGG                               |                     |                      | 82                    | 2                    |
| 11903N 5434N                            | 2578-18100        | 00000/0000 2-20032/0030                              | 08/22/76         | 50                  | 8060            | 42.0         | 143.1        | GGGG                               |                     |                      | 50                    | 22                   |
| 11906N 5147N                            | 2577-18051        | 00000/0000 2-20030/1706                              | 08/21/76         | 70                  | 8046            | 44.0         | 139.7        | GGGG                               |                     |                      | 49                    | 24                   |
| 11906N 5136N                            | 2487-18074        | 00000/0000 2-20025/1175                              | 05/23/76         | 80                  | 6791            | 52.9         | 136.6        | GGFG                               |                     |                      | 49                    | 24                   |
| 11906N 2723N                            | 2679-17342        | 00000/0000 2-20036/1743                              | 12/01/76         | 0                   | 9468            | 31.4         | 144.0        | GGGG                               |                     |                      | 49                    | 24                   |
| 11907N 5432N                            | 2596-18093        | 00000/0000 2-20032/1225                              | 09/09/76         | 70                  | 8311            | 36.3         | 147.3        | FGGG                               |                     | H                    | 43                    | 41                   |
| 11908N 5428N                            | 2560-18104        | 00000/0000 2-20030/0776                              | 08/04/76         | 90                  | 7809            | 46.9         | 139.2        | GGGG                               |                     |                      | 50                    | 22                   |
| 11910N 5138N                            | 2613-18041        | 00000/0000 2-20034/0047                              | 09/26/76         | 10                  | 8548            | 32.5         | 148.9        | GGGG                               |                     |                      | 50                    | 22                   |
| 11910N 5132N                            | 2505-18071        | 00000/0000 2-20024/1315                              | 06/10/76         | 90                  | 7042            | 54.7         | 133.5        | GGGG                               |                     |                      | 49                    | 24                   |
| 11911N 5425N                            | 2614-18090        | 00000/0000 2-20034/0124                              | 09/27/76         | 0                   | 8562            | 30.2         | 151.3        | GGGG                               |                     |                      | 50                    | 22                   |
| 11911N 5420N                            | 2542-18111        | 00000/0000 2-20028/1736                              | 07/17/76         | 30                  | 7558            | 50.7         | 136.7        | GGGG                               |                     |                      | 50                    | 22                   |
| 11911N 5419N                            | 2506-18121        | 00000/0000 2-20026/1320                              | 06/11/76         | 90                  | 7056            | 53.3         | 137.7        | FGGG                               |                     |                      | 50                    | 22                   |
| 11911N 5138N                            | 2635-18013        | 00000/0000 2-20037/0376                              | 12/07/76         | 70                  | 8552            | 12.1         | 155.0        | FGFG                               |                     |                      | 49                    | 24                   |
| 11912N 7930N                            | 2557-21114        | 00000/0000 2-20030/0603                              | 08/01/76         | 100                 | 7769            | 27.8         | 198.9        | GGGG                               |                     |                      | 83                    | 2                    |
| 11912N 5131N                            | 2523-18065        | 00000/0000 2-20028/0351                              | 06/28/76         | 10                  | 7293            | 54.4         | 131.8        | GGGG                               |                     |                      | 49                    | 24                   |
| 11913N 5417N                            | 2524-18114        | 00000/0000 2-20028/0788                              | 06/29/76         | 60                  | 7307            | 52.9         | 136.1        | GGGG                               |                     |                      | 50                    | 22                   |
| 11916N 7846N                            | 2445-20521        | 00000/0000 2-20027/0006                              | 04/11/76         | 0                   | 6207            | 19.5         | 194.7        | GGGG                               |                     |                      | 78                    | 3                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ERRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11917.                                  | 5122N             | 2379-18105                   | 00000/0000                  | 2-20026/1007     | 02/05/76            | 40              | 5285         | 17.7         | 149.7                              | GGGG                |                      | 49                    | 24                   |
| 11918.                                  | 3142N             | 2536-17433                   | 00000/0000                  | 2-20028/1133     | 07/11/76            | 90              | 7474         | 57.7         | 98.8                               | PFFG                |                      | 44                    | 38                   |
| 11918.                                  | 3138N             | 2518-17440                   | 00000/0000                  | 2-20027/0329     | 06/23/76            | 0               | 7223         | 59.1         | 96.8                               | GGGF                |                      | 44                    | 38                   |
| 11920.                                  | 7746N             | 2477-20284                   | 00000/0000                  | 2-20025/0387     | 05/13/76            | 50              | 6653         | 30.7         | 190.0                              | GGFG                |                      | 75                    | 4                    |
| 11922.                                  | 7832N             | 2516-20444                   | 00000/0000                  | 2-20027/0278     | 06/21/76            | 10              | 7197         | 34.7         | 192.8                              | GGGG                |                      | 78                    | 3                    |
| 11922.                                  | 3141N             | 2652-17399                   | 00000/0000                  | 2-20036/0653     | 11/14/76            | 50              | 9231         | 32.0         | 145.3                              | GGGG                |                      | 44                    | 38                   |
| 11923.                                  | 5840N             | 2562-18205                   | 00000/0000                  | 2-20037/0905     | 05/06/76            | 100             | 7837         | 43.8         | 145.0                              | GGFG                |                      | 52                    | 19                   |
| 11926.                                  | 6529N             | 2476-18440                   | 2-20027/0644                | 00000/0000       | 05/12/76            | 20              | 6638         | 41.4         | 157.8                              | FGG                 |                      | 56                    | 14                   |
| 11927.                                  | 7937N             | 2468-21195                   | 00000/0000                  | 2-20024/0904     | 05/04/76            | 0               | 6528         | 25.9         | 203.0                              | GGGG                |                      | 83                    | 2                    |
| 11929.                                  | 2557N             | 2679-17345                   | 00000/0000                  | 2-20036/1744     | 12/01/76            | 10              | 9468         | 32.4         | 143.2                              | FGGG                |                      | 43                    | 42                   |
| 11930.                                  | 7744N             | 2477-20285                   | 2-20027/0562                | 00000/0000       | 05/13/76            | 90              | 6653         | 30.7         | 189.9                              | GGG                 |                      | 75                    | 4                    |
| 11932.                                  | 5827N             | 2508-18222                   | 00000/0000                  | 2-20026/1489     | 06/13/76            | 30              | 7084         | 50.9         | 143.9                              | G                   |                      | 52                    | 19                   |
| 11934.                                  | 7936N             | 2594-21162                   | 00000/0000                  | 2-20032/1007     | 09/07/76            | 90              | 8285         | 15.6         | 200.8                              | GGGG                |                      | 83                    | 2                    |
| 11935.                                  | 7927N             | 2503-21131                   | 00000/0000                  | 2-20026/1048     | 06/08/76            | 90              | 7016         | 32.9         | 201.0                              | GGGG                |                      | 83                    | 2                    |
| 11936.                                  | 7842N             | 2431-20511                   | 00000/0000                  | 2-20025/0921     | 05/17/76            | 30              | 6709         | 30.5         | 195.7                              | GGGG                |                      | 79                    | 3                    |
| 11938.                                  | 7937N             | 2450-21202                   | 00000/0000                  | 2-20023/0464     | 04/16/76            | 10              | 6277         | 20.1         | 201.9                              | GGFG                |                      | 83                    | 2                    |
| 11940.                                  | 6635N             | 2405-18512                   | 2-20027/0543                | 00000/0000       | 03/02/76            | 0               | 5648         | 15.1         | 159.7                              | GGG                 |                      | 57                    | 13                   |
| 11940.                                  | 5600N             | 2579-18152                   | 00000/0000                  | 2-20030/1760     | 08/23/76            | 60              | 8074         | 40.7         | 144.9                              | GGGG                |                      | 51                    | 21                   |
| 11941.                                  | 6514N             | 2404-18461                   | 2-20027/0512                | 00000/0000       | 03/01/76            | 0               | 5634         | 15.8         | 158.2                              | GGG                 |                      | 56                    | 14                   |
| 11943.                                  | 3012N             | 2518-17443                   | 00000/0000                  | 2-20027/0330     | 06/23/76            | 10              | 7223         | 58.9         | 94.3                               | GGGG                |                      | 44                    | 39                   |
| 11944.                                  | 5554N             | 2561-18155                   | 00000/0000                  | 2-20030/0820     | 08/05/76            | 60              | 7823         | 45.8         | 141.3                              | GGGG                |                      | 51                    | 21                   |
| 11945.                                  | 5549N             | 2489-18175                   | 00000/0000                  | 2-20026/0136     | 05/25/76            | 70              | 6819         | 50.8         | 142.5                              | GGFG                |                      | 51                    | 21                   |
| 11945.                                  | 5020N             | 2433-18093                   | 00000/0000                  | 2-20022/0998     | 03/30/76            | 70              | 6038         | 37.9         | 143.1                              | GGGF                |                      | 49                    | 25                   |
| 11946.                                  | 5022N             | 2577-18054                   | 00000/0000                  | 2-20030/1707     | 08/21/76            | 60              | 8046         | 44.8         | 138.1                              | GGGG                |                      | 49                    | 25                   |
| 11947.                                  | 5011N             | 2487-18081                   | 00000/0000                  | 2-20025/1176     | 05/23/76            | 90              | 6791         | 53.7         | 134.5                              | GGGG                |                      | 49                    | 25                   |
| 11948.                                  | 5546N             | 2543-18163                   | 00000/0000                  | 2-20028/1839     | 07/18/76            | 10              | 7572         | 49.7         | 138.8                              | GGGG                |                      | 51                    | 21                   |
| 11948.                                  | 5542N             | 2507-18173                   | 00000/0000                  | 2-20026/1485     | 06/12/76            | 90              | 7070         | 52.5         | 139.7                              | GGFG                |                      | 51                    | 21                   |
| 11948.                                  | 5310N             | 2578-18103                   | 00000/0000                  | 2-20032/0031     | 08/22/76            | 90              | 8060         | 42.8         | 141.5                              | GGGG                |                      | 50                    | 23                   |
| 11948.                                  | 5310N             | 2722-18052                   | 00000/0000                  | 2-20038/1362     | 01/13/77            | 90              | 68           | 10.8         | 151.1                              | GGGF                |                      | 50                    | 23                   |
| 11948.                                  | 5019N             | 2703-18011                   | 00000/0000                  | 2-20037/1328     | 12/25/76            | 90              | 9803         | 11.8         | 152.5                              | GGGG                |                      | 49                    | 25                   |
| 11949.                                  | 5550N             | 2615-18142                   | 00000/0000                  | 2-20034/0110     | 09/28/76            | 20              | 8576         | 28.7         | 152.7                              | GGGG                |                      | 51                    | 21                   |
| 11949.                                  | 5543N             | 2525-18170                   | 00000/0000                  | 2-20028/0503     | 06/30/76            | 70              | 7321         | 52.1         | 138.3                              | G                   |                      | 51                    | 21                   |
| 11951.                                  | 5014N             | 2613-18044                   | 00000/0000                  | 2-20034/0048     | 09/26/76            | 10              | 8548         | 33.5         | 147.7                              | GGGG                |                      | 49                    | 25                   |
| 11951.                                  | 5013N             | 2685-18015                   | 00000/0000                  | 2-20037/0377     | 12/07/76            | 70              | 9552         | 13.2         | 154.3                              | GGGF                |                      | 49                    | 25                   |
| 11952.                                  | 5308N             | 2596-18100                   | 00000/0000                  | 2-20032/1226     | 09/09/76            | 30              | 8311         | 37.3         | 146.0                              | GGGG                |                      | 50                    | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1381

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 11952N                                  | 5305N             | 2560-18110                   | 00000/0000                  | 2-20030/0777     | 08/04/76            | 90              | 7809         | 47.7         | 137.4                              | GGGG                |                      | 50                    | 23                   |
| 11952N                                  | 2431N             | 2679-17351                   | 00000/0000                  | 2-20036/1745     | 12/01/76            | 40              | 9468         | 33.4         | 142.4                              | GGFG                | H                    | 43                    | 43                   |
| 11955W                                  | 5256N             | 2542-18113                   | 00000/0000                  | 2-20028/1737     | 07/17/76            | 50              | 7558         | 51.4         | 134.6                              | GGGG                |                      | 50                    | 23                   |
| 11956N                                  | 5301N             | 2614-18093                   | 00000/0000                  | 2-20034/0125     | 09/27/76            | 0               | 8562         | 31.2         | 150.2                              | GGGG                |                      | 50                    | 23                   |
| 11956W                                  | 5255N             | 2506-18123                   | 00000/0000                  | 2-20026/1321     | 06/11/76            | 90              | 7056         | 54.0         | 135.5                              | GGGG                |                      | 50                    | 23                   |
| 11957W                                  | 5253N             | 2524-18120                   | 00000/0000                  | 2-20028/0739     | 06/29/76            | 50              | 7307         | 53.6         | 133.9                              | GFFF                |                      | 50                    | 23                   |
| 12003W                                  | 7933N             | 2576-21165                   | 00000/0000                  | 2-20030/1795     | 08/20/76            | 100             | 8034         | 22.1         | 199.8                              | GGGG                |                      | 83                    | 2                    |
| 12004W                                  | 7529N             | 2543-19533                   | 00000/0000                  | 2-20028/1866     | 07/18/76            | 20              | 7573         | 35.4         | 176.5                              | FGGG                |                      | 69                    | 6                    |
| 12004W                                  | 5239N             | 2488-18130                   | 00000/0000                  | 2-20026/0963     | 05/24/76            | 90              | 6805         | 52.5         | 138.0                              | G                   |                      | 50                    | 23                   |
| 12006W                                  | 7925N             | 2539-21121                   | 00000/0000                  | 2-20028/1499     | 07/14/76            | 100             | 7518         | 31.7         | 198.4                              | GGGG                |                      | 83                    | 2                    |
| 12007W                                  | 5232N             | 2488-18131                   | 00000/0000                  | 2-20026/0301     | 05/24/76            | 90              | 6805         | 52.6         | 137.8                              | GGGG                |                      | 50                    | 23                   |
| 12010W                                  | 7837N             | 2499-20504                   | 00000/0000                  | 2-20026/1200     | 06/04/76            | 10              | 6960         | 33.6         | 194.6                              | GGGG                |                      | 79                    | 3                    |
| 12015W                                  | 2304N             | 2679-17354                   | 00000/0000                  | 2-20036/1746     | 12/01/76            | 50              | 9468         | 34.4         | 141.5                              | GGFG                | H                    | 43                    | 44                   |
| 12016W                                  | 5722N             | 2580-18204                   | 00000/0000                  | 2-20030/1803     | 08/24/76            | 80              | 8088         | 39.5         | 146.7                              | GGGG                |                      | 52                    | 20                   |
| 12017W                                  | 5717N             | 2562-18211                   | 00000/0000                  | 2-20030/0906     | 08/06/76            | 90              | 7837         | 44.7         | 143.2                              | GGGG                |                      | 52                    | 20                   |
| 12018W                                  | 7923N             | 2521-21124                   | 00000/0000                  | 2-20028/0218     | 06/26/76            | 40              | 7267         | 33.5         | 199.1                              | GGGG                |                      | 83                    | 2                    |
| 12019W                                  | 7752N             | 2460-20345                   | 00000/0000                  | 2-20024/0629     | 04/26/76            | 60              | 6416         | 25.8         | 190.1                              | GGGG                |                      | 75                    | 4                    |
| 12019W                                  | 5719N             | 2538-18201                   | 00000/0000                  | 2-20032/1244     | 09/11/76            | 60              | 8339         | 33.6         | 150.5                              | GGGG                |                      | 52                    | 20                   |
| 12020W                                  | 5712N             | 2430-18231                   | 00000/0000                  | 2-20026/0200     | 05/26/76            | 70              | 6833         | 50.1         | 144.3                              | GGGG                |                      | 52                    | 20                   |
| 12024W                                  | 6708N             | 2436-18570                   | 2-20027/0573                | 00000/0000       | 03/03/76            | 20              | 5662         | 15.1         | 160.4                              | GGG                 |                      | 58                    | 13                   |
| 12025W                                  | 7931N             | 2432-21205                   | 00000/0000                  | 2-20027/0942     | 03/29/76            | 20              | 6026         | 13.6         | 199.6                              | GGGG                |                      | 83                    | 2                    |
| 12025W                                  | 5714N             | 2616-18194                   | 00000/0000                  | 2-20034/0238     | 09/29/76            | 90              | 8590         | 27.3         | 154.0                              | GGGG                |                      | 52                    | 20                   |
| 12025W                                  | 5704N             | 2508-18224                   | 00000/0000                  | 2-20026/1490     | 06/13/76            | 30              | 7084         | 51.7         | 141.7                              | GGGG                |                      | 52                    | 20                   |
| 12027W                                  | 7847N             | 2446-20575                   | 00000/0000                  | 2-20023/0102     | 04/12/76            | 10              | 6221         | 19.9         | 194.9                              | GFGF                |                      | 79                    | 3                    |
| 12027W                                  | 7847N             | 2464-20572                   | 00000/0000                  | 2-20024/1202     | 04/30/76            | 10              | 6472         | 25.9         | 195.9                              | GFGG                |                      | 79                    | 3                    |
| 12027W                                  | 7834N             | 2535-20495                   | 00000/0000                  | 2-20028/1171     | 07/10/76            | 70              | 7462         | 33.4         | 192.1                              | GFGG                |                      | 79                    | 3                    |
| 12027W                                  | 5148N             | 2452-18142                   | 00000/0000                  | 2-20023/0460     | 04/18/76            | 50              | 6303         | 43.9         | 142.5                              | GGGG                |                      | 50                    | 24                   |
| 12028W                                  | 5436N             | 2579-18155                   | 00000/0000                  | 2-20030/1761     | 08/23/76            | 70              | 8074         | 41.6         | 143.4                              | GGGG                |                      | 51                    | 22                   |
| 12031W                                  | 5425N             | 2489-18132                   | 00000/0000                  | 2-20026/0137     | 05/25/76            | 90              | 6819         | 51.6         | 140.4                              | GFGG                |                      | 51                    | 22                   |
| 12031W                                  | 5145N             | 2578-18105                   | 00000/0000                  | 2-20032/0032     | 08/22/76            | 70              | 8060         | 43.7         | 139.9                              | GGGG                |                      | 50                    | 24                   |
| 12031W                                  | 5145N             | 2722-18054                   | 00000/0000                  | 2-20038/1363     | 01/13/77            | 90              | 68           | 11.9         | 150.4                              | GFGG                |                      | 50                    | 24                   |
| 12032W                                  | 5430N             | 2561-18162                   | 00000/0000                  | 2-20030/0821     | 08/05/76            | 70              | 7823         | 46.6         | 139.4                              | GGGG                |                      | 51                    | 22                   |
| 12034W                                  | 5430N             | 2597-18152                   | 00000/0000                  | 2-20032/1229     | 09/10/76            | 90              | 8325         | 36.0         | 147.5                              | GFFF                |                      | 51                    | 22                   |
| 12034W                                  | 5144N             | 2596-18102                   | 00000/0000                  | 2-20032/1227     | 09/09/76            | 0               | 8311         | 38.2         | 144.6                              | GGGG                |                      | 50                    | 24                   |
| 12035W                                  | 5423N             | 2543-18165                   | 00000/0000                  | 2-20028/1840     | 07/18/76            | 10              | 7572         | 50.5         | 136.8                              | GFGG                |                      | 51                    | 22                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NHHN-US

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FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12035N 5140W                            | 2560-18113        | 00000/0000                   | 2-20030/0778                | 08/04/76         | 90                  | 7809         | 48.4         | 135.5                              | GGGG                |                      | 50                    | 24                   |
| 12036N 5420N                            | 2525-18172        | 00000/0000                   | 2-20028/0500                | 06/30/76         | 80                  | 7321         | 52.8         | 136.1                              | GGGG                |                      | 51                    | 22                   |
| 12036N 5418N                            | 2507-18175        | 00000/0000                   | 2-20026/1486                | 06/17/76         | 90                  | 7070         | 53.3         | 137.6                              | GGGG                |                      | 51                    | 22                   |
| 12037N 5426N                            | 2615-18145        | 00000/0000                   | 2-20034/0111                | 09/28/76         | 50                  | 8576         | 29.8         | 151.5                              | GGGG                |                      | 51                    | 22                   |
| 12037N 5132N                            | 2542-18120        | 00000/0000                   | 2-20028/1738                | 07/17/76         | 30                  | 7558         | 52.1         | 132.5                              | GGGG                |                      | 50                    | 24                   |
| 12038N 5136N                            | 2614-18095        | 00000/0000                   | 2-20034/0126                | 09/27/76         | 10                  | 8562         | 32.2         | 149.1                              | GGGG                |                      | 50                    | 24                   |
| 12038N 5131N                            | 2506-18130        | 00000/0000                   | 2-20026/1322                | 06/11/76         | 90                  | 7056         | 54.7         | 133.3                              | GGGG                |                      | 50                    | 24                   |
| 12039N 5129N                            | 2524-18123        | 00000/0000                   | 2-20028/0790                | 06/29/76         | 80                  | 7307         | 54.3         | 131.7                              | GFFF                |                      | 50                    | 24                   |
| 12042N 7750N                            | 2442-20353        | 00000/0000                   | 2-20027/1395                | 04/08/76         | 30                  | 6165         | 19.6         | 188.6                              | GGGG                |                      | 76                    | 4                    |
| 12042N 5131N                            | 2632-18032        | 00000/0000                   | 2-20034/0922                | 10/15/76         | 10                  | 8813         | 26.1         | 152.6                              | GGGG                |                      | 50                    | 24                   |
| 12044N 7930N                            | 2558-21172        | 00000/0000                   | 2-20030/0641                | 08/02/76         | 100                 | 7783         | 27.6         | 198.8                              | GGGG                |                      | 84                    | 2                    |
| 12044N 7833N                            | 2517-20502        | 00000/0000                   | 2-20027/0395                | 06/22/76         | 40                  | 7211         | 34.7         | 192.9                              | GGGG                |                      | 79                    | 3                    |
| 12045N 3139N                            | 2519-17495        | 00000/0000                   | 2-20027/0405                | 06/24/76         | 0                   | 7237         | 59.0         | 96.9                               | GGGG                |                      | 45                    | 38                   |
| 12047N 6407N                            | 2476-18442        | 2-20027/0645                 | 00000/0000                  | 05/12/76         | 20                  | 6638         | 42.5         | 155.8                              | F                   |                      | 56                    | 15                   |
| 12048N 7846N                            | 2572-20542        | 00000/0000                   | 2-20030/1397                | 08/16/76         | 30                  | 7978         | 24.5         | 193.0                              | GGGG                |                      | 79                    | 3                    |
| 12049N 5108N                            | 2488-18133        | 00000/0000                   | 2-20026/0302                | 05/24/76         | 90                  | 6805         | 53.3         | 135.7                              | GGGG                |                      | 50                    | 24                   |
| 12050N 3136N                            | 2375-17534        | 00000/0000                   | 2-20020/0677                | 02/01/76         | 70                  | 5229         | 30.4         | 139.7                              | GGGG                |                      | 45                    | 38                   |
| 12051N 7746N                            | 2478-20343        | 00000/0000                   | 2-20025/0402                | 05/14/76         | 10                  | 6667         | 30.9         | 189.9                              | GGGG                |                      | 76                    | 4                    |
| 12052N 7843N                            | 2482-20565        | 00000/0000                   | 2-20025/0925                | 05/18/76         | 50                  | 6723         | 30.6         | 195.9                              | GGGG                |                      | 79                    | 3                    |
| 12058N 5830N                            | 2365-18315        | 00000/0000                   | 2-20020/0200                | 01/22/76         | 30                  | 5090         | 8.9          | 155.5                              | GGGG                |                      | 53                    | 19                   |
| 12058N 7627N                            | 2391-14473        | 00000/0000                   | 2-20021/0233                | 02/17/76         | 30                  | 5450         | 13.5         | 85.8                               | GGGG                |                      | 7                     | 115                  |
| 12101N 7647N                            | 2475-20174        | 00000/0000                   | 2-20025/0146                | 05/11/76         | 80                  | 6625         | 31.3         | 185.1                              | GGGG                |                      | 73                    | 5                    |
| 12101N 6353N                            | 2404-18463        | 2-20027/0513                 | 00000/0000                  | 03/01/76         | 50                  | 5634         | 16.8         | 156.8                              | GGG                 |                      | 56                    | 15                   |
| 12107N 6515N                            | 2405-18515        | 2-20027/0544                 | 00000/0000                  | 03/02/76         | 0                   | 5648         | 16.2         | 158.2                              | GGG                 |                      | 57                    | 14                   |
| 12107N 5558N                            | 2580-18210        | 00000/0000                   | 2-20030/1804                | 08/24/76         | 90                  | 8088         | 40.4         | 145.1                              | GGGG                |                      | 52                    | 21                   |
| 12107N 5553N                            | 2562-18214        | 00000/0000                   | 2-20030/0907                | 08/06/76         | 80                  | 7837         | 45.6         | 141.4                              | GGGG                |                      | 52                    | 21                   |
| 12108N 5024N                            | 2452-18144        | 00000/0000                   | 2-20023/0461                | 04/18/76         | 50                  | 6303         | 44.8         | 140.9                              | GGGG                |                      | 50                    | 25                   |
| 12110N 7926N                            | 2504-21185        | 00000/0000                   | 2-20024/1057                | 06/09/76         | 80                  | 7030         | 33.0         | 200.8                              | GGGG                |                      | 84                    | 2                    |
| 12110N 3013N                            | 2519-17501        | 00000/0000                   | 2-20027/0406                | 06/24/76         | 10                  | 7237         | 58.9         | 94.3                               | GGGG                |                      | 45                    | 39                   |
| 12111N 5555N                            | 2598-18203        | 00000/0000                   | 2-20032/1245                | 09/11/76         | 80                  | 8339         | 34.6         | 149.1                              | GGGG                |                      | 52                    | 21                   |
| 12111N 5548N                            | 2490-18233        | 00000/0000                   | 2-20026/0201                | 05/26/76         | 70                  | 6833         | 50.9         | 142.3                              | GGGG                |                      | 52                    | 21                   |
| 12112N 5021N                            | 2578-18112        | 00000/0000                   | 2-20032/0033                | 08/22/76         | 80                  | 8060         | 44.5         | 138.3                              | GGGG                |                      | 50                    | 25                   |
| 12112N 5021N                            | 2722-18061        | 00000/0000                   | 2-20038/1364                | 01/13/77         | 40                  | 68           | 12.9         | 149.7                              | GGGG                |                      | 50                    | 25                   |
| 12112N 5019N                            | 2434-18152        | 00000/0000                   | 2-20027/1107                | 03/31/76         | 70                  | 6052         | 38.3         | 143.0                              | GGGG                |                      | 50                    | 25                   |
| 12114N 5312N                            | 2579-18161        | 00000/0000                   | 2-20030/1762                | 08/23/76         | 80                  | 8074         | 42.5         | 141.8                              | GGGG                |                      | 51                    | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR USN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | SERVIATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|------------------|-----------------------|-----------------------------|------------------|---------------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 12115N                      | 5550N            | 2616-18230            | 00000/0000                  | 2-20034/0239     | 09/29/76            | 90           | 8590         | 28.4                  | 152.9               | GGGG                 | 52                    | 21                   |
| 12115N                      | 5019N            | 2596-18105            | 00000/0000                  | 2-20032/1228     | 09/09/76            | 0            | 8311         | 39.1                  | 143.3               | GGGG                 | 50                    | 25                   |
| 12115N                      | 5016N            | 2560-18115            | 00000/0000                  | 2-20030/0779     | 08/04/76            | 90           | 7809         | 49.2                  | 133.7               | GGGG                 | 50                    | 25                   |
| 12116N                      | 5541N            | 2508-18231            | 00000/0000                  | 2-20026/1491     | 06/13/76            | 30           | 7084         | 52.6                  | 139.6               | GGGG                 | 52                    | 21                   |
| 12116N                      | 5302N            | 2489-18184            | 00000/0000                  | 2-20026/0138     | 05/25/76            | 90           | 6819         | 52.4                  | 138.4               | GGGG                 | 51                    | 23                   |
| 12116N                      | 5012N            | 2416-18165            | 00000/0000                  | 2-20021/1557     | 03/13/76            | 30           | 5801         | 31.4                  | 144.8               | GGGG                 | 50                    | 25                   |
| 12117N                      | 5306N            | 2561-18164            | 00000/0000                  | 2-20030/0822     | 08/05/76            | 90           | 7823         | 47.4                  | 137.6               | GGGG                 | 51                    | 23                   |
| 12117N                      | 5013N            | 2686-18074            | 00000/0000                  | 2-20037/0485     | 12/08/76            | 80           | 9566         | 13.1                  | 154.2               | GGGG                 | 50                    | 25                   |
| 12118N                      | 5306N            | 2597-18154            | 00000/0000                  | 2-20032/1230     | 09/10/76            | 90           | 8325         | 36.9                  | 146.2               | GGGG                 | 51                    | 23                   |
| 12119N                      | 7436N            | 2452-19503            | 00000/0000                  | 2-20023/0527     | 04/18/76            | 10           | 6304         | 26.5                  | 176.5               | GGGG                 | 68                    | 7                    |
| 12119N                      | 5011N            | 2614-18102            | 00000/0000                  | 2-20034/0127     | 09/27/76            | 10           | 8562         | 33.2                  | 148.0               | GGGG                 | 50                    | 25                   |
| 12120N                      | 5256N            | 2525-18175            | 00000/0000                  | 2-20028/0501     | 06/30/76            | 70           | 7321         | 53.5                  | 133.9               | GGGG                 | 51                    | 23                   |
| 12121N                      | 5301N            | 2615-18151            | 00000/0000                  | 2-20034/0112     | 09/28/76            | 70           | 8576         | 30.8                  | 150.4               | GGGG                 | 51                    | 23                   |
| 12121N                      | 5259N            | 2543-18172            | 00000/0000                  | 2-20028/1841     | 07/18/76            | 20           | 7572         | 51.2                  | 134.7               | GGGG                 | 51                    | 23                   |
| 12121N                      | 5254N            | 2507-18182            | 00000/0000                  | 2-20026/1487     | 06/12/76            | 80           | 7070         | 54.1                  | 135.4               | GGGG                 | 51                    | 23                   |
| 12123N                      | 7926N            | 2540-21175            | 00000/0000                  | 2-20028/1380     | 07/15/76            | 90           | 7532         | 31.5                  | 198.6               | GGGG                 | 84                    | 2                    |
| 12123N                      | 7841N            | 2428-20583            | 00000/0000                  | 2-20022/0439     | 03/25/76            | 50           | 5970         | 13.2                  | 192.5               | GGGG                 | 80                    | 3                    |
| 12134N                      | 7924N            | 2522-21133            | 00000/0000                  | 2-20028/0231     | 06/27/76            | 70           | 7281         | 33.4                  | 199.2               | GGGG                 | 84                    | 2                    |
| 12133N                      | 7753N            | 2461-20404            | 00000/0000                  | 2-20024/0501     | 04/27/76            | 20           | 6430         | 26.0                  | 190.2               | GGGG                 | 76                    | 4                    |
| 12143N                      | 7836N            | 2500-20563            | 00000/0000                  | 2-20026/0706     | 06/05/76            | 90           | 6974         | 33.7                  | 194.4               | GGGG                 | 80                    | 3                    |
| 12146N                      | 7849N            | 2447-21033            | 00000/0000                  | 2-20023/0117     | 04/13/76            | 70           | 6235         | 20.2                  | 195.1               | GGGG                 | 80                    | 3                    |
| 12152N                      | 7849N            | 2465-21030            | 00000/0000                  | 2-20024/1313     | 05/01/76            | 50           | 6486         | 26.1                  | 196.1               | GGGG                 | 80                    | 3                    |
| 12152N                      | 5707N            | 2355-18322            | 00000/0000                  | 2-20020/0201     | 01/22/76            | 70           | 5090         | 10.0                  | 154.7               | GGGG                 | 53                    | 20                   |
| 12155N                      | 6548N            | 2406-18572            | 2-20027/0574                | 00000/0000       | 03/03/76            | 0            | 5662         | 16.1                  | 158.8               | GGG                  | 53                    | 14                   |
| 12155N                      | 5434N            | 2530-18213            | 00000/0000                  | 2-20030/1805     | 08/24/76            | 60           | 8088         | 41.4                  | 143.6               | GGGG                 | 52                    | 22                   |
| 12155N                      | 5429N            | 2562-18220            | 00000/0000                  | 2-20030/0908     | 08/06/76            | 70           | 7837         | 46.4                  | 139.6               | GGGG                 | 52                    | 22                   |
| 12156N                      | 7751N            | 2587-20371            | 00000/0000                  | 2-20032/0659     | 08/31/76            | 10           | 8187         | 20.4                  | 188.0               | GGGG                 | 76                    | 4                    |
| 12156N                      | 5148N            | 2579-18164            | 00000/0000                  | 2-20030/1763     | 08/23/76            | 80           | 8074         | 43.4                  | 140.2               | GGGG                 | 51                    | 24                   |
| 12157N                      | 7848N            | 2591-20594            | 00000/0000                  | 2-20032/0794     | 09/04/76            | 50           | 8243         | 17.8                  | 194.1               | GGGG                 | 80                    | 3                    |
| 12158N                      | 5425N            | 2490-18240            | 00000/0000                  | 2-20026/0202     | 05/26/76            | 80           | 6833         | 51.8                  | 140.2               | GGGG                 | 52                    | 22                   |
| 12158N                      | 5138N            | 2459-18191            | 00000/0000                  | 2-20026/0139     | 05/25/76            | 70           | 6819         | 53.2                  | 136.3               | GGGG                 | 51                    | 24                   |
| 12159N                      | 5431N            | 2598-18210            | 00000/0000                  | 2-20032/1246     | 09/11/76            | 50           | 8339         | 35.6                  | 147.8               | GGGG                 | 52                    | 22                   |
| 12159N                      | 5142N            | 2561-18171            | 00000/0000                  | 2-20030/0823     | 08/05/76            | 90           | 7823         | 48.2                  | 135.8               | GGGG                 | 51                    | 24                   |
| 12200N                      | 7750N            | 2443-20411            | 00000/0000                  | 2-20022/1739     | 04/05/76            | 70           | 6179         | 19.9                  | 188.8               | GGGG                 | 76                    | 4                    |
| 12201N                      | 6246N            | 2476-18445            | 2-20027/0646                | 00000/0000       | 05/12/76            | 30           | 6638         | 43.5                  | 153.8               | G                    | 56                    | 16                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 12201N                      | 5142N             | 2597-18101            | 00000/0000           | 2-20032/1231     | 09/10/76            | 90              | 8325         | 37.9         | 144.9                 |                     |                      |                       |                      |
| 12202N                      | 5132N             | 2525-18181            | 00000/0000           | 2-20028/0502     | 06/30/76            | 40              | 7321         | 54.2         | 131.7                 | GGGG                |                      | 51                    | 24                   |
| 12203N                      | 5426N             | 2616-18203            | 00000/0000           | 2-20034/0240     | 09/29/76            | 100             | 8590         | 29.4         | 151.8                 | GGGG                |                      | 51                    | 24                   |
| 12203N                      | 5421N             | 2544-18223            | 00000/0000           | 2-20028/1350     | 07/19/76            | 10              | 7586         | 50.3         | 136.8                 | GGGG                |                      | 52                    | 22                   |
| 12203N                      | 5130N             | 2507-18184            | 00000/0000           | 2-20026/1488     | 06/12/76            | 90              | 7070         | 54.8         | 133.1                 | GGGG                |                      | 52                    | 22                   |
| 12204N                      | 7747N             | 2479-20401            | 00000/0000           | 2-20025/0638     | 05/15/76            | 60              | 6681         | 31.1         | 190.1                 | GGGG                |                      | 51                    | 24                   |
| 12204N                      | 5417N             | 2538-18233            | 00000/0000           | 2-20026/1492     | 06/13/76            | 20              | 7084         | 53.4         | 137.4                 | GGGG                |                      | 77                    | 4                    |
| 12204N                      | 5137N             | 2615-18154            | 00000/0000           | 2-20034/0113     | 09/28/76            | 60              | 8576         | 31.9         | 149.3                 | GGGG                |                      | 52                    | 22                   |
| 12204N                      | 5135N             | 2543-18174            | 00000/0000           | 2-20028/1842     | 07/18/76            | 30              | 7572         | 51.9         | 132.7                 | GGGG                |                      | 51                    | 24                   |
| 12206N                      | 7834N             | 2536-20553            | 00000/0000           | 2-20028/1309     | 07/11/76            | 90              | 7476         | 33.2         | 192.0                 | GGGG                |                      | 51                    | 24                   |
| 12209N                      | 7845N             | 2573-21001            | 00000/0000           | 2-20030/1444     | 06/17/76            | 90              | 7992         | 24.2         | 193.0                 | GGGG                |                      | 80                    | 3                    |
| 12212N                      | 3142N             | 2632-17501            | 00000/0000           | 2-20037/0105     | 12/04/76            | 90              | 9510         | 27.8         | 146.1                 | GGGG                |                      | 80                    | 3                    |
| 12214N                      | 6231N             | 2404-18470            | 2-20027/0514         | 00000/0000       | 03/01/76            | 0               | 5634         | 17.9         | 155.5                 | GGG                 |                      | 46                    | 38                   |
| 12217N                      | 3134N             | 2376-17593            | 00000/0000           | 2-20020/0810     | 02/02/76            | 80              | 5243         | 30.6         | 139.5                 | GGGG                |                      | 56                    | 16                   |
| 12219N                      | 7842N             | 2483-21024            | 00000/0000           | 2-20025/0994     | 05/19/76            | 50              | 6737         | 30.9         | 195.8                 | GGGG                |                      | 46                    | 38                   |
| 12224N                      | 7539N             | 2599-20032            | 00000/0000           | 2-20032/1277     | 09/12/76            | 0               | 8354         | 18.3         | 179.6                 | GGGG                |                      | 80                    | 3                    |
| 12228N                      | 6354N             | 2435-18521            | 2-20027/0545         | 00000/0000       | 03/02/76            | 0               | 5648         | 17.2         | 156.8                 | GGG                 |                      | 71                    | 6                    |
| 12232N                      | 5026N             | 2453-18203            | 00000/0000           | 2-20023/0437     | 04/19/76            | 50              | 6317         | 45.1         | 140.8                 | GGGG                |                      | 57                    | 15                   |
| 12237N                      | 5023N             | 2579-18170            | 00000/0000           | 2-20030/1764     | 08/23/76            | 90              | 8074         | 44.2         | 138.6                 | GGGG                |                      | 51                    | 25                   |
| 12237N                      | 5020N             | 2435-18210            | 00000/0000           | 2-20022/1289     | 04/01/76            | 0               | 6066         | 38.7         | 142.9                 | GGGG                |                      | 51                    | 25                   |
| 12239N                      | 5014N             | 2439-18193            | 00000/0000           | 2-20026/0140     | 05/25/76            | 80              | 6819         | 54.0         | 134.1                 | GGGG                |                      | 51                    | 25                   |
| 12240N                      | 7341N             | 2429-21041            | 00000/0000           | 2-20022/0593     | 03/26/76            | 70              | 5984         | 13.6         | 192.8                 | GGGG                |                      | 81                    | 3                    |
| 12240N                      | 5310N             | 2580-18215            | 00000/0000           | 2-20030/1806     | 08/24/76            | 60              | 8088         | 42.2         | 142.0                 | GGGG                |                      | 52                    | 23                   |
| 12240N                      | 5017N             | 2561-18173            | 00000/0000           | 2-20030/0824     | 08/05/76            | 70              | 7823         | 48.9         | 133.9                 | GGGG                |                      | 51                    | 25                   |
| 12240N                      | 5013N             | 2417-18213            | 00000/0000           | 2-20021/1637     | 03/14/76            | 0               | 5815         | 31.7         | 144.7                 | GGGG                |                      | 51                    | 25                   |
| 12241N                      | 5305N             | 2562-18223            | 00000/0000           | 2-20030/0909     | 08/06/76            | 80              | 7837         | 47.2         | 137.8                 | GGGG                |                      | 52                    | 23                   |
| 12242N                      | 5017N             | 2597-18163            | 00000/0000           | 2-20032/1232     | 09/10/76            | 50              | 8325         | 38.8         | 143.6                 | GGGG                |                      | 51                    | 25                   |
| 12243N                      | 5543N             | 2365-18324            | 00000/0000           | 2-20020/0202     | 01/22/76            | 80              | 5090         | 11.1         | 153.9                 | GGGG                |                      | 53                    | 21                   |
| 12243N                      | 5300N             | 2490-18242            | 00000/0000           | 2-20026/0203     | 05/26/76            | 70              | 6833         | 52.6         | 138.2                 | GGGG                |                      | 52                    | 23                   |
| 12243N                      | 5015N             | 2687-18132            | 00000/0000           | 2-20037/0624     | 12/09/76            | 50              | 9580         | 12.9         | 154.2                 | GGGG                |                      | 51                    | 25                   |
| 12244N                      | 7841N             | 2609-20591            | 00000/0000           | 2-20032/1771     | 09/22/76            | 90              | 8494         | 11.0         | 194.4                 | GGGG                |                      | 81                    | 3                    |
| 12244N                      | 5307N             | 2598-18212            | 00000/0000           | 2-20032/1247     | 09/11/76            | 80              | 8339         | 36.6         | 146.5                 | GGGG                |                      | 52                    | 23                   |
| 12244N                      | 5012N             | 2615-18160            | 00000/0000           | 2-20034/0114     | 09/28/76            | 50              | 8576         | 32.9         | 148.2                 | GGGG                |                      | 51                    | 25                   |
| 12247N                      | 5302N             | 2616-18205            | 00000/0000           | 2-20034/0241     | 09/29/76            | 90              | 8590         | 30.5         | 150.6                 | GGGG                |                      | 52                    | 23                   |
| 12248N                      | 5257N             | 2544-18230            | 00000/0000           | 2-20028/1351     | 07/19/76            | 30              | 7586         | 51.0         | 134.8                 | GGGG                |                      | 52                    | 23                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12249W                                  | 5252N             | 2508-18240                   | 00000/0000                  | 2-20026/1493     | 06/13/76            | 20              | 7084         | 54.1         | 135.2                              | GGGG                |                      | 52                    | 23                   |
| 12302W                                  | 7752N             | 2462-20462                   | 00000/0000                  | 2-20024/0914     | 04/28/76            | 20              | 6444         | 26.4         | 190.2                              | GGGG                |                      | 77                    | 4                    |
| 12303W                                  | 7838N             | 2555-21064                   | 00000/0000                  | 2-20030/0458     | 07/30/76            | 70              | 7741         | 29.5         | 191.9                              | GGGG                |                      | 81                    | 3                    |
| 12309W                                  | 6123N             | 2476-18451                   | 2-20027/0647                | 00000/0000       | 05/12/76            | 10              | 6638         | 44.5         | 151.9                              | GGG                 |                      | 56                    | 17                   |
| 12310W                                  | 3313N             | 2431-18031                   | 00000/0000                  | 2-20022/0773     | 03/28/76            | 90              | 6010         | 46.7         | 126.5                              | GGGG                |                      | 47                    | 37                   |
| 12310W                                  | 3313N             | 2593-17584                   | 00000/0000                  | 2-20032/0911     | 09/06/76            | 90              | 8269         | 49.2         | 124.1                              | GGGG                |                      | 47                    | 37                   |
| 12311W                                  | 3312N             | 2719-17540                   | 00000/0000                  | 2-20038/0653     | 01/10/77            | 70              | 26           | 24.8         | 142.5                              | GGGG                |                      | 47                    | 37                   |
| 12312W                                  | 3312N             | 2701-17544                   | 00000/0000                  | 2-20037/1276     | 12/23/76            | 30              | 9775         | 24.6         | 145.4                              | GGGG                |                      | 47                    | 37                   |
| 12312W                                  | 3310N             | 2611-17581                   | 00000/0000                  | 2-20032/1856     | 09/24/76            | 90              | 8520         | 44.9         | 132.3                              | GGGG                |                      | 47                    | 37                   |
| 12313W                                  | 7836N             | 2501-21021                   | 00000/0000                  | 2-20026/1016     | 06/06/76            | 70              | 6988         | 33.9         | 194.3                              | GGGG                |                      | 81                    | 3                    |
| 12314W                                  | 7735W             | 2515-20392                   | 00000/0000                  | 2-20027/0268     | 06/20/76            | 10              | 7183         | 35.8         | 187.2                              | GGGG                |                      | 77                    | 4                    |
| 12314W                                  | 3303N             | 2413-18035                   | 00000/0000                  | 2-20022/0031     | 03/10/76            | 90              | 5759         | 40.6         | 131.5                              | GGGG                |                      | 47                    | 37                   |
| 12317W                                  | 5706N             | 2366-18380                   | 00000/0000                  | 2-20020/0253     | 01/23/76            | 60              | 5104         | 10.2         | 154.6                              | GGFG                |                      | 54                    | 20                   |
| 12318W                                  | 7847W             | 2448-21092                   | 00000/0000                  | 2-20023/0126     | 04/14/76            | 10              | 6249         | 20.6         | 195.1                              | GGGG                |                      | 81                    | 3                    |
| 12318W                                  | 6428N             | 2406-18575                   | 2-20027/0575                | 00000/0000       | 03/03/76            | 0               | 5662         | 17.2         | 157.4                              | GGG                 |                      | 58                    | 15                   |
| 12320W                                  | 7836N             | 2537-21011                   | 00000/0000                  | 2-20028/1254     | 07/12/76            | 90              | 7490         | 33.1         | 192.1                              | GGGG                |                      | 81                    | 3                    |
| 12322W                                  | 7751N             | 2444-20465                   | 00000/0000                  | 2-20022/1878     | 04/10/76            | 40              | 6193         | 20.3         | 189.0                              | GGGG                |                      | 77                    | 4                    |
| 12322W                                  | 6109N             | 2404-18472                   | 2-20027/0515                | 00000/0000       | 03/01/76            | 0               | 5634         | 18.9         | 154.3                              | GGG                 |                      | 56                    | 17                   |
| 12322W                                  | 5146N             | 2580-18222                   | 00000/0000                  | 2-20030/1807     | 08/24/76            | 60              | 8088         | 43.1         | 140.4                              | GGGG                |                      | 52                    | 24                   |
| 12323W                                  | 7833N             | 2519-21014                   | 00000/0000                  | 2-20028/0078     | 06/24/76            | 80              | 7239         | 34.6         | 192.9                              | GGGG                |                      | 81                    | 3                    |
| 12324W                                  | 7847W             | 2466-21045                   | 00000/0000                  | 2-20024/1194     | 05/02/76            | 50              | 6500         | 26.5         | 196.1                              | GGGG                |                      | 81                    | 3                    |
| 12324W                                  | 5141N             | 2552-18225                   | 00000/0000                  | 2-20030/0910     | 08/06/76            | 80              | 7837         | 48.0         | 135.9                              | GGGG                |                      | 52                    | 24                   |
| 12326W                                  | 5136N             | 2490-18245                   | 00000/0000                  | 2-20026/0204     | 05/26/76            | 70              | 6833         | 53.4         | 136.1                              | GGGG                |                      | 52                    | 24                   |
| 12327W                                  | 5142N             | 2598-18215                   | 00000/0000                  | 2-20032/1248     | 09/11/76            | 50              | 8339         | 37.5         | 145.2                              | GGGG                |                      | 52                    | 24                   |
| 12328W                                  | 7848N             | 2592-21052                   | 00000/0000                  | 2-20032/0803     | 09/05/76            | 70              | 8257         | 17.5         | 194.0                              | GGGG                |                      | 81                    | 3                    |
| 12328W                                  | 7419N             | 2543-19535                   | 00000/0000                  | 2-20028/1867     | 07/18/76            | 10              | 7573         | 36.5         | 172.6                              | GGGG                |                      | 69                    | 7                    |
| 12329W                                  | 5138N             | 2616-18212                   | 00000/0000                  | 2-20034/0242     | 09/29/76            | 80              | 8590         | 31.5         | 149.6                              | GGGG                |                      | 52                    | 24                   |
| 12330W                                  | 5419N             | 2365-18331                   | 00000/0000                  | 2-20020/0203     | 01/22/76            | 50              | 5090         | 12.1         | 153.1                              | GGGG                |                      | 53                    | 22                   |
| 12330W                                  | 5132N             | 2544-18237                   | 00000/0000                  | 2-20028/1352     | 07/19/76            | 50              | 7586         | 51.7         | 132.7                              | GGGG                |                      | 52                    | 24                   |
| 12331W                                  | 5135N             | 2418-18265                   | 00000/0000                  | 2-20022/0057     | 03/15/76            | 90              | 5829         | 31.2         | 145.7                              | GGGG                |                      | 52                    | 24                   |
| 12331W                                  | 5128N             | 2508-18242                   | 00000/0000                  | 2-20026/1434     | 06/13/76            | 10              | 7084         | 54.8         | 133.0                              | GGGG                |                      | 52                    | 24                   |
| 12332W                                  | 7847W             | 2574-21055                   | 00000/0000                  | 2-20030/1752     | 08/18/76            | 90              | 8006         | 23.8         | 193.2                              | GGGG                |                      | 81                    | 3                    |
| 12334W                                  | 7651N             | 2459-20294                   | 00000/0000                  | 2-20024/0641     | 04/25/76            | 10              | 6402         | 26.5         | 185.1                              | GGGG                |                      | 74                    | 5                    |
| 12342W                                  | 7746N             | 2480-20455                   | 00000/0000                  | 2-20025/0742     | 05/16/76            | 90              | 6695         | 31.4         | 190.0                              | GGGG                |                      | 78                    | 4                    |
| 12349W                                  | 7843N             | 2610-21045                   | 00000/0000                  | 2-20032/1825     | 09/23/76            | 10              | 8508         | 10.6         | 194.8                              | GGGG                |                      | 81                    | 3                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=RN GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR NBN=US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>- POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|--------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12354N                                  | 7841N             | 2484-21082                     | 00000/0000                  | 2-20025/1215     | 05/20/76            | 20              | 6751         | 31.1         | 195.7                              | GGGG                |                      | 82                    | 3                    |
| 12400W                                  | 7842N             | 2430-21095                     | 00000/0000                  | 2-20022/0483     | 03/27/76            | 80              | 5998         | 14.0         | 193.0                              | GGGG                |                      | 82                    | 3                    |
| 12401W                                  | 5023N             | 2454-18261                     | 00000/0000                  | 2-20024/0093     | 04/20/76            | 80              | 6331         | 45.4         | 140.6                              | GGGG                |                      | 52                    | 25                   |
| 12402W                                  | 7645N             | 2477-20291                     | 2-20025/1279                | 2-20025/0388     | 05/13/76            | 20              | 6653         | 31.8         | 185.0                              | GGG                 | FGGG                 | 75                    | 5                    |
| 12403W                                  | 5021N             | 2580-18224                     | 00000/0000                  | 2-20030/1808     | 08/24/76            | 90              | 8088         | 43.9         | 138.9                              | GGGG                |                      | 52                    | 25                   |
| 12405W                                  | 5018N             | 2436-18284                     | 00000/0000                  | 2-20022/1290     | 04/02/76            | 10              | 6080         | 39.1         | 142.7                              | GGGG                |                      | 52                    | 25                   |
| 12405W                                  | 5016N             | 2562-18232                     | 00000/0000                  | 2-20030/0911     | 08/06/76            | 50              | 7837         | 48.7         | 134.1                              | GGGG                |                      | 52                    | 25                   |
| 12406W                                  | 5020N             | 2724-18173                     | 00000/0000                  | 2-20038/1466     | 01/15/77            | 70              | 96           | 13.2         | 149.4                              | GGGG                |                      | 52                    | 25                   |
| 12406W                                  | 5011N             | 2490-18251                     | 00000/0000                  | 2-20026/0205     | 05/26/76            | 100             | 6833         | 54.1         | 133.9                              | GFGG                |                      | 52                    | 25                   |
| 12407W                                  | 5543N             | 2366-18382                     | 00000/0000                  | 2-20020/0254     | 01/23/76            | 40              | 5104         | 11.3         | 153.8                              | GGGG                |                      | 54                    | 21                   |
| 12407W                                  | 5018N             | 2598-18221                     | 00000/0000                  | 2-20032/1249     | 09/11/76            | 40              | 8339         | 38.5         | 143.9                              | GGGG                |                      | 52                    | 25                   |
| 12409W                                  | 5013N             | 2616-18214                     | 00000/0000                  | 2-20034/0243     | 09/29/76            | 70              | 8590         | 32.5         | 148.5                              | GGGG                |                      | 52                    | 25                   |
| 12411W                                  | 6000N             | 2476-18454                     | 2-20027/0648                | 00000/0000       | 05/12/76            | 50              | 6638         | 45.5         | 150.0                              | GGG                 |                      | 56                    | 18                   |
| 12411W                                  | 5011N             | 2418-18272                     | 00000/0000                  | 2-20022/0058     | 03/15/76            | 70              | 5829         | 32.2         | 144.5                              | GGGG                |                      | 52                    | 25                   |
| 12414W                                  | 7840N             | 2556-21062                     | 00000/0000                  | 2-20030/0502     | 07/31/76            | 100             | 7755         | 29.2         | 192.0                              | GGGG                |                      | 82                    | 3                    |
| 12415W                                  | 5255N             | 2365-18333                     | 00000/0000                  | 2-20020/0204     | 01/22/76            | 40              | 5090         | 13.2         | 152.4                              | GGGG                |                      | 53                    | 23                   |
| 12423W                                  | 7324N             | 2452-19505                     | 00000/0000                  | 2-20023/0528     | 04/18/76            | 10              | 6304         | 27.6         | 173.2                              | GGFG                |                      | 68                    | 8                    |
| 12425W                                  | 5946N             | 2404-18475                     | 2-20027/0516                | 00000/0000       | 03/01/76            | 10              | 5634         | 19.9         | 153.1                              | GGG                 |                      | 56                    | 18                   |
| 12434W                                  | 6307N             | 2406-18581                     | 2-20027/0576                | 00000/0000       | 03/03/76            | 10              | 5662         | 18.2         | 156.0                              | GGG                 |                      | 58                    | 16                   |
| 12435W                                  | 7849N             | 2467-21143                     | 00000/0000                  | 2-20024/0876     | 05/03/76            | 90              | 6514         | 26.7         | 196.3                              | GGGG                |                      | 82                    | 3                    |
| 12436W                                  | 7527N             | 2510-20113                     | 00000/0000                  | 2-20026/1688     | 06/15/76            | 90              | 7113         | 37.9         | 178.2                              | FGGG                |                      | 72                    | 6                    |
| 12442W                                  | 7835N             | 2502-21075                     | 00000/0000                  | 2-20026/1477     | 06/07/76            | 50              | 7002         | 34.0         | 194.2                              | GGGG                |                      | 82                    | 3                    |
| 12444W                                  | 7734N             | 2516-20450                     | 00000/0000                  | 2-20027/0279     | 06/21/76            | 0               | 7197         | 35.8         | 187.1                              | GGGG                |                      | 78                    | 4                    |
| 12450W                                  | 7835N             | 2538-21065                     | 00000/0000                  | 2-20028/1355     | 07/13/76            | 90              | 7504         | 33.0         | 191.9                              | GGGG                |                      | 82                    | 3                    |
| 12452W                                  | 7750N             | 2445-20523                     | 00000/0000                  | 2-20023/0007     | 04/11/76            | 0               | 6207         | 20.7         | 189.0                              | GGGG                |                      | 78                    | 4                    |
| 12454W                                  | 7846N             | 2593-21110                     | 00000/0000                  | 2-20032/0973     | 09/06/76            | 90              | 8271         | 17.1         | 194.0                              | GGGF                |                      | 82                    | 3                    |
| 12455W                                  | 5420N             | 2366-18385                     | 00000/0000                  | 2-20020/0205     | 01/23/76            | 50              | 5104         | 12.3         | 153.0                              | FGGG                |                      | 54                    | 22                   |
| 12457W                                  | 5131N             | 2365-18340                     | 00000/0000                  | 2-20020/0205     | 01/22/76            | 70              | 5090         | 14.3         | 151.7                              | GGGG                |                      | 53                    | 24                   |
| 12502W                                  | 7846N             | 2575-21113                     | 00000/0000                  | 2-20032/0309     | 08/19/76            | 80              | 8020         | 23.5         | 193.2                              | GGGG                |                      | 82                    | 3                    |
| 12502W                                  | 7833N             | 2520-21073                     | 00000/0000                  | 2-20027/0435     | 06/25/76            | 90              | 7253         | 34.6         | 192.7                              | GGGG                |                      | 82                    | 3                    |
| 12505W                                  | 7541N             | 2475-20181                     | 00000/0000                  | 2-20025/0147     | 05/11/76            | 50              | 6625         | 32.4         | 180.7                              | GGGG                |                      | 73                    | 6                    |
| 12508W                                  | 7745N             | 2481-20514                     | 00000/0000                  | 2-20025/0922     | 05/17/76            | 30              | 6709         | 31.6         | 189.9                              | GGGG                |                      | 79                    | 4                    |
| 12509W                                  | 7650N             | 2460-20352                     | 00000/0000                  | 2-20024/0630     | 04/26/76            | 50              | 6416         | 26.9         | 185.0                              | GGGG                |                      | 75                    | 5                    |
| 12515W                                  | 5827N             | 2368-18490                     | 00000/0000                  | 2-20020/0271     | 01/25/76            | 90              | 5132         | 9.6          | 155.1                              | GGFG                |                      | 56                    | 19                   |
| 12523W                                  | 5823N             | 2404-18481                     | 2-20027/0517                | 00000/0000       | 03/01/76            | 10              | 5634         | 21.0         | 152.0                              | GGG                 |                      | 56                    | 19                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR USN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12527N                                  | 7648N             | 2442-20355                   | 00000/0000                  | 2-20022/1396     | 04/08/76            | 20           | 6165         | 20.7                               | 183.7               | FGGG                 | 76                    | 5                    |
| 12528N                                  | 5021N             | 2455-18315                   | 00000/0000                  | 2-20024/0095     | 04/21/76            | 90           | 6345         | 45.8                               | 140.4               | GGGG                 | 53                    | 25                   |
| 12528W                                  | 5018N             | 2473-18312                   | 00000/0000                  | 2-20025/0584     | 05/09/76            | 10           | 6596         | 50.9                               | 137.3               | GGGG                 | 53                    | 25                   |
| 12529W                                  | 7841N             | 2485-21140                   | 00000/0000                  | 2-20026/0002     | 05/21/76            | 60           | 6765         | 31.3                               | 195.6               | GGGG                 | 83                    | 3                    |
| 12531W                                  | 5018N             | 2437-18322                   | 00000/0000                  | 2-20022/1306     | 04/03/76            | 20           | 6094         | 39.4                               | 142.6               | FGGG                 | 53                    | 25                   |
| 12534W                                  | 7841N             | 2557-21120                   | 00000/0000                  | 2-20030/0604     | 08/01/76            | 100          | 7769         | 28.9                               | 192.2               | GGGG                 | 83                    | 3                    |
| 12534W                                  | 5011N             | 2419-18330                   | 00000/0000                  | 2-20022/0152     | 03/16/76            | 100          | 5843         | 32.5                               | 144.5               | FFFF                 | 53                    | 25                   |
| 12536W                                  | 7643N             | 2478-20345                   | 00000/0000                  | 2-20025/0403     | 05/14/76            | 10           | 6667         | 32.1                               | 184.9               | GGGG                 | 76                    | 5                    |
| 12538W                                  | 7740N             | 2499-20511                   | 00000/0000                  | 2-20026/1201     | 06/04/76            | 0            | 6960         | 34.8                               | 188.7               | GGGG                 | 79                    | 4                    |
| 12540W                                  | 5256N             | 2366-18391                   | 00000/0000                  | 2-20020/0256     | 01/23/76            | 90           | 5104         | 13.4                               | 152.2               | FGGG                 | 54                    | 23                   |
| 12544W                                  | 6145N             | 2406-18584                   | 2-20027/0577                | 00000/0000       | 03/03/76            | 0            | 5662         | 19.2                               | 154.7               | GGG                  | 58                    | 17                   |
| 12551W                                  | 7737N             | 2535-20501                   | 00000/0000                  | 2-20028/1172     | 07/10/76            | 90           | 7462         | 34.5                               | 186.3               | PFFG                 | 79                    | 4                    |
| 12551W                                  | 5947N             | 2405-18533                   | 2-20027/0546                | 00000/0000       | 03/02/76            | 0            | 5648         | 20.3                               | 153.1               | GGG                  | 57                    | 18                   |
| 12554W                                  | 7430N             | 2599-20034                   | 00000/0000                  | 2-20032/1278     | 09/12/76            | 0            | 8354         | 19.4                               | 176.0               | GGGG                 | 71                    | 7                    |
| 12556W                                  | 7837N             | 2503-21134                   | 00000/0000                  | 2-20026/1049     | 06/08/76            | 90           | 7016         | 34.0                               | 194.3               | GGGG                 | 83                    | 3                    |
| 12601W                                  | 7848N             | 2468-21201                   | 00000/0000                  | 2-20024/0905     | 05/04/76            | 10           | 6528         | 27.0                               | 196.2               | GGGG                 | 83                    | 3                    |
| 12602W                                  | 5714N             | 2476-18463                   | 2-20027/0649                | 00000/0000       | 05/12/76            | 100          | 6638         | 47.4                               | 146.2               | GGG                  | 56                    | 20                   |
| 12605W                                  | 7751N             | 2464-20575                   | 00000/0000                  | 2-20024/1203     | 04/30/76            | 20           | 6472         | 27.0                               | 190.1               | FFFG                 | 79                    | 4                    |
| 12605W                                  | 7735N             | 2517-20504                   | 00000/0000                  | 2-20027/0396     | 06/22/76            | 20           | 7211         | 35.8                               | 187.2               | FFGG                 | 79                    | 4                    |
| 12606W                                  | 7751N             | 2446-20582                   | 00000/0000                  | 2-20023/0103     | 04/12/76            | 30           | 6221         | 21.0                               | 189.1               | FFGG                 | 79                    | 4                    |
| 12607W                                  | 7847N             | 2594-21165                   | 00000/0000                  | 2-20032/1008     | 09/07/76            | 90           | 8285         | 16.7                               | 194.2               | GGGG                 | 83                    | 3                    |
| 12609W                                  | 5701N             | 2368-18493                   | 00000/0000                  | 2-20020/0272     | 01/25/76            | 90           | 5132         | 10.7                               | 154.3               | GGGG                 | 56                    | 20                   |
| 12609W                                  | 4140N             | 2543-18204                   | 00000/0000                  | 2-20028/1843     | 07/18/76            | 80           | 7572         | 55.7                               | 117.2               | GGGG                 | 51                    | 31                   |
| 12612W                                  | 7848N             | 2450-21204                   | 00000/0000                  | 2-20023/0465     | 04/16/76            | 0            | 6277         | 21.3                               | 195.3               | GGGG                 | 83                    | 3                    |
| 12613W                                  | 4135N             | 2633-18180                   | 00000/0000                  | 2-20034/0850     | 10/16/76            | 60           | 8827         | 33.1                               | 146.4               | GGGF                 | 51                    | 31                   |
| 12616W                                  | 5701N             | 2404-18484                   | 2-20027/0518                | 00000/0000       | 03/01/76            | 10           | 5634         | 22.0                               | 150.9               | GGG                  | 56                    | 20                   |
| 12621W                                  | 7834N             | 2539-21124                   | 00000/0000                  | 2-20028/1500     | 07/14/76            | 90           | 7518         | 32.8                               | 191.8               | GGGG                 | 83                    | 3                    |
| 12621W                                  | 7730N             | 2572-20545                   | 00000/0000                  | 2-20030/1398     | 08/16/76            | 30           | 7978         | 25.6                               | 187.2               | GGGG                 | 80                    | 4                    |
| 12622W                                  | 5132N             | 2366-18394                   | 00000/0000                  | 2-20020/0257     | 01/23/76            | 90           | 5104         | 14.5                               | 151.5               | FGGG                 | 54                    | 24                   |
| 12624W                                  | 7419N             | 2509-20062                   | 00000/0000                  | 2-20026/1683     | 06/14/76            | 50           | 7099         | 39.0                               | 174.4               | GGG                  | 71                    | 7                    |
| 12625W                                  | 7746N             | 2482-20572                   | 00000/0000                  | 2-20025/0926     | 05/18/76            | 60           | 6723         | 31.8                               | 190.0               | GGGG                 | 80                    | 4                    |
| 12625W                                  | 7307N             | 2543-19542                   | 00000/0000                  | 2-20028/1868     | 07/18/76            | 0            | 7573         | 37.5                               | 169.1               | FGGG                 | 69                    | 8                    |
| 12626W                                  | 4436N             | 2472-18272                   | 00000/0000                  | 2-20024/1659     | 05/08/76            | 90           | 6582         | 53.6                               | 129.5               | GGGG                 | 52                    | 29                   |
| 12627W                                  | 7652N             | 2461-20410                   | 00000/0000                  | 2-20024/0502     | 04/27/76            | 0            | 6430         | 27.2                               | 185.2               | GGGG                 | 76                    | 5                    |
| 12629W                                  | 4441N             | 2580-18242                   | 00000/0000                  | 2-20030/1809     | 08/24/76            | 50           | 8088         | 47.1                               | 132.4               | GGGG                 | 52                    | 29                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR,  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02144 APR 29, 77

LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL No./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12629W                                  | 4438N             | 2436-18282                                         | 00000/0000       | 2-20022/1291        | 04/02/76        | 10           | 6080         | 42.6                               | 137.2               | GGGG                 |                       |                      |
| 12629W                                  | 4431N             | 2430-18265                                         | 00000/0000       | 2-20024/1206        | 05/26/76        | 80           | 6833         | 56.7                               | 124.9               | GGGG                 | 52                    | 29                   |
| 12630W                                  | 7844N             | 2576-21172                                         | 00000/0000       | 2-20030/1796        | 08/20/76        | 100          | 8034         | 23.2                               | 193.1               | GGGG                 | 52                    | 29                   |
| 12632W                                  | 7832N             | 2521-21131                                         | 00000/0000       | 2-20028/1219        | 06/26/76        | 60           | 7267         | 34.6                               | 192.5               | GGGG                 | 53                    | 3                    |
| 12632W                                  | 4430N             | 2526-18260                                         | 00000/0000       | 2-20028/1525        | 07/01/76        | 70           | 7335         | 56.9                               | 120.1               | GGGG                 | 52                    | 29                   |
| 12634W                                  | 4431N             | 2418-18290                                         | 00000/0000       | 2-20022/1059        | 03/15/76        | 90           | 5829         | 35.8                               | 140.0               | GGGG                 | 52                    | 29                   |
| 12634W                                  | 4430N             | 2400-18293                                         | 00000/0000       | 2-20021/1577        | 02/25/76        | 70           | 5578         | 29.2                               | 142.7               | GGGG                 | 52                    | 29                   |
| 12643W                                  | 7649N             | 2587-20374                                         | 00000/0000       | 2-20032/1660        | 08/31/76        | 10           | 8187         | 21.6                               | 183.1               | GGGG                 | 52                    | 29                   |
| 12644W                                  | 4415N             | 2382-18300                                         | 00000/0000       | 2-20020/1239        | 02/08/76        | 80           | 5327         | 23.6                               | 145.4               | GGFF                 | 77                    | 5                    |
| 12646W                                  | 4729N             | 2437-18331                                         | 00000/0000       | 2-20022/1307        | 04/03/76        | 20           | 6094         | 41.2                               | 139.9               | GGFF                 | 52                    | 29                   |
| 12648W                                  | 5824N             | 2405-18535                                         | 2-20027/0547     | 00000/0000          | 03/02/76        | 10           | 5648         | 21.3                               | 151.9               | GGGG                 | 53                    | 27                   |
| 12649W                                  | 7648N             | 2443-20413                                         | 00000/0000       | 2-20022/1740        | 04/09/76        | 30           | 6179         | 21.1                               | 183.9               | GGGG                 | 57                    | 19                   |
| 12649W                                  | 6023N             | 2406-18590                                         | 2-20027/0575     | 00000/0000          | 03/03/76        | 10           | 5662         | 20.3                               | 153.5               | GGGG                 | 77                    | 5                    |
| 12649W                                  | 4722N             | 2419-18335                                         | 00000/0000       | 2-20022/0153        | 03/16/76        | 100          | 5843         | 34.4                               | 142.2               | GGGG                 | 53                    | 18                   |
| 12650W                                  | 7842N             | 2432-21211                                         | 00000/0000       | 2-20022/1943        | 03/29/76        | 30           | 6026         | 14.7                               | 193.2               | GGFF                 | 53                    | 27                   |
| 12650W                                  | 7645N             | 2479-20403                                         | 00000/0000       | 2-20025/1639        | 05/15/76        | 20           | 6681         | 32.3                               | 185.0               | GGGG                 | 84                    | 3                    |
| 12652W                                  | 7744N             | 2428-20585                                         | 00000/0000       | 2-20022/0440        | 03/25/76        | 50           | 5970         | 14.3                               | 187.0               | GGGG                 | 77                    | 5                    |
| 12652W                                  | 4718N             | 2401-18342                                         | 00000/0000       | 2-20021/1816        | 02/27/76        | 80           | 5592         | 27.7                               | 144.4               | GGGG                 | 80                    | 4                    |
| 12652W                                  | 4717N             | 2365-18351                                         | 00000/0000       | 2-20020/1206        | 01/22/76        | 90           | 5090         | 17.4                               | 149.6               | GGGG                 | 53                    | 27                   |
| 12653W                                  | 5551N             | 2476-18465                                         | 2-20027/0650     | 00000/0000          | 05/12/76        | 100          | 6638         | 48.3                               | 144.3               | GGFF                 | 53                    | 27                   |
| 12653W                                  | 4717N             | 2635-18274                                         | 00000/0000       | 2-20034/1873        | 10/18/76        | 0            | 8855         | 28.3                               | 150.4               | GGFF                 | 56                    | 21                   |
| 12658W                                  | 4318N             | 2454-18261                                         | 00000/0000       | 2-20024/1094        | 04/20/76        | 40           | 6331         | 49.4                               | 132.1               | GGGG                 | 53                    | 27                   |
| 12659W                                  | 4705N             | 2363-18345                                         | 00000/0000       | 2-20020/1241        | 02/09/76        | 30           | 5341         | 21.9                               | 146.8               | GGGG                 | 52                    | 30                   |
| 12659W                                  | 4311N             | 2472-18275                                         | 00000/0000       | 2-20024/1660        | 05/08/76        | 90           | 6582         | 54.3                               | 127.4               | GGFF                 | 53                    | 27                   |
| 12700W                                  | 5013N             | 2420-18384                                         | 00000/0000       | 2-20022/10211       | 03/17/76        | 100          | 5857         | 32.9                               | 144.4               | FGGG                 | 52                    | 30                   |
| 12703W                                  | 7210N             | 2452-19512                                         | 00000/0000       | 2-20023/10529       | 04/18/76        | 10           | 6304         | 28.7                               | 170.2               | GGGG                 | 54                    | 25                   |
| 12703W                                  | 5007N             | 2366-18400                                         | 00000/0000       | 2-20020/1258        | 01/23/76        | 90           | 5104         | 15.5                               | 150.8               | GGGG                 | 68                    | 9                    |
| 12704W                                  | 7840N             | 2558-21175                                         | 00000/0000       | 2-20030/1642        | 05/02/76        | 90           | 7783         | 28.7                               | 192.1               | FGGG                 | 54                    | 25                   |
| 12704W                                  | 4304N             | 2526-18262                                         | 00000/0000       | 2-20024/10526       | 07/01/76        | 40           | 7335         | 57.3                               | 117.6               | GGGG                 | 84                    | 3                    |
| 12706W                                  | 4305N             | 2400-18295                                         | 00000/0000       | 2-20021/10578       | 02/26/76        | 20           | 5578         | 30.1                               | 141.8               | GGGG                 | 52                    | 30                   |
| 12707W                                  | 7740N             | 2500-20565                                         | 00000/0000       | 2-20026/1707        | 06/05/76        | 60           | 6974         | 34.9                               | 183.6               | GGGG                 | 52                    | 30                   |
| 12719W                                  | 4606N             | 2455-18331                                         | 00000/0000       | 2-20024/10096       | 04/21/76        | 80           | 6345         | 48.3                               | 135.4               | FGGG                 | 80                    | 4                    |
| 12725W                                  | 7753N             | 2447-21040                                         | 00000/0000       | 2-20023/10116       | 04/13/76        | 10           | 6235         | 21.3                               | 189.3               | GGGG                 | 53                    | 28                   |
| 12727W                                  | 7428N             | 2600-20093                                         | 00000/0000       | 2-20034/1265        | 05/13/76        | 30           | 8368         | 19.0                               | 176.0               | GGGG                 | 80                    | 4                    |
| 12729W                                  | 7753N             | 2465-21033                                         | 00000/0000       | 2-20024/1314        | 05/01/76        | 50           | 6486         | 27.3                               | 190.3               | GGGG                 | 72                    | 7                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR N8N-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL No./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12729N                                  | 7737N             | 2536-20555                   | 00000/0000                  | 2-20028/1310     | 07/11/76            | 90              | 7476         | 34.4         | 180.2                              | GGGG                |                      | 80                    | 4                    |
| 12733N                                  | 7752N             | 2591-21000                   | 00000/0000                  | 2-20037/0795     | 09/04/76            | 40              | 8243         | 18.9         | 180.3                              | FGGG                |                      | 80                    | 4                    |
| 12739N                                  | 7836N             | 2540-21182                   | 00000/0000                  | 2-20028/1381     | 07/15/76            | 10              | 7532         | 32.6         | 191.9                              | GGGG                |                      | 84                    | 3                    |
| 12741N                                  | 5702N             | 2405-18542                   | 2-20027/0548                | 00000/0000       | 03/02/76            | 0               | 5648         | 22.3         | 150.9                              | GGG                 |                      | 57                    | 20                   |
| 12742N                                  | 7749N             | 2573-21003                   | 00000/0000                  | 2-20030/1445     | 08/17/76            | 90              | 7992         | 25.3         | 187.2                              | FGFF                |                      | 80                    | 4                    |
| 12748N                                  | 5900N             | 2406-18593                   | 2-20027/0579                | 00000/0000       | 03/03/76            | 50              | 5662         | 21.3         | 152.4                              | GGG                 |                      | 58                    | 19                   |
| 12749N                                  | 7833N             | 2522-21185                   | 00000/0000                  | 2-20028/0232     | 06/27/76            | 50              | 7281         | 34.5         | 192.6                              | GGGG                |                      | 84                    | 3                    |
| 12750N                                  | 7632N             | 2515-20394                   | 00000/0000                  | 2-20027/0269     | 06/20/76            | 10              | 7183         | 36.9         | 182.2                              | GGGG                |                      | 77                    | 5                    |
| 12752N                                  | 7746N             | 2483-21030                   | 00000/0000                  | 2-20025/0995     | 05/19/76            | 30              | 6737         | 32.0         | 189.9                              | GGGG                |                      | 81                    | 4                    |
| 12752N                                  | 4441N             | 2455-18333                   | 00000/0000                  | 2-20024/0097     | 04/21/76            | 90              | 6345         | 49.0         | 133.6                              | FFFG                |                      | 53                    | 29                   |
| 12753N                                  | 7650N             | 2462-20464                   | 00000/0000                  | 2-20024/0915     | 04/28/76            | 70              | 6444         | 27.5         | 185.1                              | FGGG                |                      | 77                    | 5                    |
| 12755N                                  | 6413N             | 2571-19103                   | 00000/0000                  | 2-20030/1405     | 08/15/76            | 100             | 7963         | 37.5         | 153.7                              | GGGG                |                      | 61                    | 15                   |
| 12759N                                  | 7417N             | 2510-20120                   | 00000/0000                  | 2-20026/1689     | 06/15/76            | 100             | 7113         | 39.0         | 174.3                              | GGGG                |                      | 72                    | 7                    |
| 12805N                                  | 7539N             | 2477-20293                   | 00000/0000                  | 2-20025/0389     | 05/13/76            | 30              | 6653         | 32.9         | 180.5                              | GGGG                |                      | 75                    | 6                    |
| 12808N                                  | 7650N             | 2444-20472                   | 00000/0000                  | 2-20027/1879     | 04/10/76            | 40              | 6193         | 21.4         | 184.0                              | GGGG                |                      | 78                    | 5                    |
| 12809N                                  | 7744N             | 2429-21043                   | 00000/0000                  | 2-20027/0594     | 03/26/76            | 10              | 5984         | 14.7         | 187.2                              | GGGG                |                      | 81                    | 4                    |
| 12812N                                  | 7537N             | 2477-20294                   | 2-20027/0563                | 00000/0000       | 05/13/76            | 30              | 6653         | 33.0         | 180.4                              | GGG                 |                      | 75                    | 6                    |
| 12814N                                  | 7744N             | 2609-20593                   | 00000/0000                  | 2-20037/1772     | 09/22/76            | 60              | 8494         | 12.2         | 188.9                              | GGGG                |                      | 81                    | 4                    |
| 12825N                                  | 5303N             | 2476-18474                   | 2-20027/0651                | 00000/0000       | 05/12/76            | 100             | 6638         | 50.0         | 140.6                              | GGG                 |                      | 56                    | 23                   |
| 12827N                                  | 7645N             | 2480-20462                   | 00000/0000                  | 2-20025/0743     | 05/16/76            | 100             | 6695         | 32.5         | 184.9                              | GGGG                |                      | 78                    | 5                    |
| 12830N                                  | 7741N             | 2555-21011                   | 00000/0000                  | 2-20030/0459     | 07/30/76            | 90              | 7741         | 30.6         | 186.1                              | GGGG                |                      | 81                    | 4                    |
| 12832N                                  | 5253N             | 2368-18504                   | 00000/0000                  | 2-20020/0273     | 01/25/76            | 100             | 5132         | 13.9         | 152.0                              | GGGG                |                      | 56                    | 23                   |
| 12835N                                  | 5251N             | 2404-18495                   | 2-20027/0519                | 00000/0000       | 03/01/76            | 10              | 5634         | 25.0         | 147.8                              | GGG                 |                      | 56                    | 23                   |
| 12836N                                  | 7432N             | 2475-20183                   | 00000/0000                  | 2-20025/0148     | 05/11/76            | 40              | 6625         | 33.5         | 176.8                              | GGGG                |                      | 73                    | 7                    |
| 12838N                                  | 7739N             | 2501-21024                   | 00000/0000                  | 2-20026/1017     | 06/06/76            | 10              | 6988         | 35.0         | 188.5                              | GGGG                |                      | 81                    | 4                    |
| 12845N                                  | 7738N             | 2537-21014                   | 00000/0000                  | 2-20028/1255     | 07/12/76            | 90              | 7490         | 34.2         | 186.3                              | GGGG                |                      | 81                    | 4                    |
| 12845N                                  | 7736N             | 2519-21021                   | 00000/0000                  | 2-20028/0079     | 06/24/76            | 90              | 7239         | 35.8         | 187.1                              | GGGG                |                      | 81                    | 4                    |
| 12856N                                  | 7751N             | 2448-21094                   | 00000/0000                  | 2-20023/0127     | 04/14/76            | 20              | 6249         | 21.7         | 189.3                              | GGGG                |                      | 81                    | 4                    |
| 12856N                                  | 7318N             | 2599-20041                   | 00000/0000                  | 2-20037/1279     | 09/12/76            | 60              | 8354         | 20.5         | 172.8                              | GGGG                |                      | 71                    | 8                    |
| 12900N                                  | 7153N             | 2543-19544                   | 00000/0000                  | 2-20028/1869     | 07/18/76            | 10              | 7573         | 38.6         | 166.0                              | FGGG                |                      | 69                    | 9                    |
| 12901N                                  | 7751N             | 2466-21091                   | 00000/0000                  | 2-20024/1135     | 05/02/76            | 40              | 6500         | 27.6         | 190.2                              | FGGG                |                      | 81                    | 4                    |
| 12905N                                  | 7752N             | 2592-21055                   | 00000/0000                  | 2-20037/0804     | 09/05/76            | 70              | 8257         | 18.6         | 188.4                              | GGGG                |                      | 81                    | 4                    |
| 12907N                                  | 5138N             | 2476-18441                   | 2-20027/0652                | 00000/0000       | 05/12/76            | 100             | 6638         | 50.8         | 138.6                              | FGG                 |                      | 56                    | 24                   |
| 12908N                                  | 7751N             | 2574-21061                   | 00000/0000                  | 2-20030/1753     | 08/18/76            | 90              | 8006         | 24.9         | 187.4                              | GGGG                |                      | 81                    | 4                    |
| 12909N                                  | 6251N             | 2571-19105                   | 00000/0000                  | 2-20030/1406     | 08/15/76            | 100             | 7963         | 38.5         | 151.9                              | GGGG                |                      | 61                    | 16                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1390

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>- POSITION<br>RBV | ROLL NR./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SRRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | SRRIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------------------|-------------------|--------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 12915W                                  | 5129N             | 2368-18511                     | 00000/0000                  | 2-20020/0274     | 01/25/76            | 100             | 5132         | 14.9         | 151.2                              |                     |                      | 56                    | 24                   |
| 12916W                                  | 7544N             | 2460-20354                     | 00000/0000                  | 2-20024/0631     | 04/26/76            | 10              | 6416         | 28.0         | 180.6                              |                     |                      | 76                    | 6                    |
| 12917W                                  | 5127N             | 2404-18502                     | 00000/0000                  | 2-20027/0520     | 03/01/76            | 40              | 5634         | 25.9         | 146.9                              |                     |                      | 56                    | 24                   |
| 12919W                                  | 7631N             | 2516-20453                     | 00000/0000                  | 2-20027/0280     | 06/21/76            | 10              | 7197         | 37.0         | 182.1                              |                     |                      | 78                    | 5                    |
| 12921W                                  | 7306N             | 2509-20064                     | 00000/0000                  | 2-20026/1684     | 06/14/76            | 60              | 7099         | 40.1         | 170.9                              |                     |                      | 71                    | 8                    |
| 12922W                                  | 7747N             | 2610-21051                     | 00000/0000                  | 2-20037/1826     | 09/23/76            | 0               | 8508         | 11.7         | 189.3                              |                     |                      | 82                    | 4                    |
| 12924W                                  | 7054N             | 2452-19514                     | 00000/0000                  | 2-20023/0530     | 04/18/76            | 70              | 6304         | 29.8         | 167.5                              |                     |                      | 68                    | 10                   |
| 12925W                                  | 7745N             | 2484-21084                     | 00000/0000                  | 2-20025/1216     | 05/20/76            | 10              | 6751         | 32.3         | 189.9                              |                     |                      | 82                    | 4                    |
| 12930W                                  | 7746N             | 2430-21131                     | 00000/0000                  | 2-20027/0484     | 03/27/76            | 40              | 5998         | 15.1         | 187.4                              |                     |                      | 82                    | 4                    |
| 12931W                                  | 7650N             | 2589-20490                     | 00000/0000                  | 2-20037/0671     | 09/02/76            | 60              | 8215         | 20.8         | 183.3                              |                     |                      | 79                    | 5                    |
| 12933W                                  | 7541N             | 2442-20362                     | 00000/0000                  | 2-20027/1397     | 04/08/76            | 10              | 6165         | 21.8         | 179.5                              |                     |                      | 76                    | 6                    |
| 12937W                                  | 7648N             | 2445-20530                     | 00000/0000                  | 2-20023/0008     | 04/11/76            | 0               | 6207         | 21.8         | 184.0                              |                     |                      | 79                    | 5                    |
| 12939W                                  | 7537N             | 2478-20352                     | 00000/0000                  | 2-20025/0404     | 05/14/76            | 10              | 6667         | 33.2         | 180.4                              |                     |                      | 76                    | 6                    |
| 12945W                                  | 7743N             | 2556-21065                     | 00000/0000                  | 2-20030/0503     | 07/31/76            | 90              | 7755         | 30.3         | 186.3                              |                     |                      | 82                    | 4                    |
| 12948W                                  | 5013N             | 2476-18483                     | 2-20027/0653                | 00000/0000       | 05/12/76            | 100             | 6638         | 51.6         | 136.7                              | FPP                 |                      | 56                    | 25                   |
| 12956W                                  | 5005N             | 2368-18513                     | 00000/0000                  | 2-20020/0275     | 01/25/76            | 100             | 5132         | 16.0         | 150.5                              |                     |                      | 56                    | 25                   |
| 12956W                                  | 5003N             | 2404-18504                     | 2-20027/0521                | 00000/0000       | 03/01/76            | 80              | 5634         | 26.9         | 145.9                              | GGG                 |                      | 56                    | 25                   |
| 13002W                                  | 5252N             | 2405-18553                     | 2-20027/0549                | 00000/0000       | 03/02/76            | 10              | 5648         | 25.3         | 147.8                              | GGG                 |                      | 57                    | 23                   |
| 13007W                                  | 7738N             | 2502-21082                     | 00000/0000                  | 2-20026/1478     | 06/07/76            | 70              | 7002         | 35.1         | 188.4                              |                     |                      | 82                    | 4                    |
| 13014W                                  | 7753N             | 2467-21145                     | 00000/0000                  | 2-20024/0877     | 05/03/76            | 90              | 6514         | 27.9         | 190.4                              |                     |                      | 82                    | 4                    |
| 13016W                                  | 7737N             | 2538-21072                     | 00000/0000                  | 2-20028/1356     | 07/13/76            | 90              | 7504         | 34.1         | 186.2                              |                     |                      | 82                    | 4                    |
| 13017W                                  | 6129N             | 2571-19112                     | 00000/0000                  | 2-20030/1407     | 08/15/76            | 100             | 7963         | 39.4         | 150.1                              |                     |                      | 61                    | 17                   |
| 13019W                                  | 7638N             | 2499-20513                     | 00000/0000                  | 2-20026/1202     | 06/04/76            | 0               | 6960         | 35.9         | 183.7                              |                     |                      | 79                    | 5                    |
| 13023W                                  | 7736N             | 2520-21075                     | 00000/0000                  | 2-20027/0436     | 06/25/76            | 70              | 7253         | 35.7         | 186.9                              |                     |                      | 82                    | 4                    |
| 13027W                                  | 7316N             | 2600-20095                     | 00000/0000                  | 2-20034/0266     | 09/13/76            | 70              | 8368         | 20.1         | 172.8                              |                     |                      | 72                    | 8                    |
| 13029W                                  | 7635N             | 2535-20504                     | 00000/0000                  | 2-20028/1173     | 07/10/76            | 20              | 7462         | 35.6         | 181.2                              |                     |                      | 79                    | 5                    |
| 13032W                                  | 7751N             | 2593-21113                     | 00000/0000                  | 2-20037/0974     | 09/06/76            | 40              | 8271         | 18.2         | 188.8                              |                     |                      | 82                    | 4                    |
| 13035W                                  | 7546N             | 2461-20413                     | 00000/0000                  | 2-20024/0503     | 04/27/76            | 10              | 6430         | 28.3         | 180.8                              |                     |                      | 77                    | 6                    |
| 13037W                                  | 7750N             | 2575-21120                     | 00000/0000                  | 2-20037/0310     | 08/19/76            | 80              | 8020         | 24.6         | 187.4                              |                     |                      | 82                    | 4                    |
| 13041W                                  | 7633N             | 2517-20511                     | 00000/0000                  | 2-20027/0397     | 06/22/76            | 20              | 7211         | 36.9         | 182.1                              |                     |                      | 79                    | 5                    |
| 13044W                                  | 5128N             | 2405-18500                     | 2-20027/0550                | 00000/0000       | 03/02/76            | 70              | 5648         | 26.3         | 146.8                              | GGG                 |                      | 57                    | 24                   |
| 13049W                                  | 7543N             | 2587-20380                     | 00000/0000                  | 2-20037/0661     | 08/31/76            | 0               | 8187         | 22.7         | 178.8                              |                     |                      | 77                    | 6                    |
| 13050W                                  | 7308N             | 2546-20112                     | 00000/0000                  | 2-20030/0274     | 07/21/76            | 30              | 7615         | 36.9         | 169.2                              |                     |                      | 72                    | 8                    |
| 13053W                                  | 7649N             | 2464-20531                     | 00000/0000                  | 2-20024/1204     | 04/30/76            | 30              | 6472         | 28.2         | 185.1                              |                     |                      | 79                    | 5                    |
| 13053W                                  | 7542N             | 2443-20420                     | 00000/0000                  | 2-20022/1741     | 04/09/76            | 10              | 6179         | 22.2         | 179.6                              |                     |                      | 77                    | 6                    |

KEYS: CLOUD COVER & ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=RAW, NOT AVAILABLE. G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR USV-US  
FROM 01/22/76 TO 01/22/77

PAGE 1391

| PRINCIPAL POINT<br>OF IMAGE | SERIES<br>LAT | SERIES<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER % | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBY<br>NUM. |
|-----------------------------|---------------|--------------|-----------------------------------------|------------------|------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 13055N                      | 7650N         | 2446-20534   | 00000/0000 2-20023/0104                 | 04/12/76         | 40               | 6221            | 22.1         | 184.2        | FGGG                  |                     |                      | 80                    | 5                    |
| 13056N                      | 7539N         | 2479-20410   | 00000/0000 2-20025/0640                 | 05/15/76         | 80               | 6681            | 33.4         | 180.5        | GGGG                  |                     |                      | 77                    | 6                    |
| 13056N                      | 7304N         | 2510-20122   | 00000/0000 2-20026/1690                 | 06/15/76         | 90               | 7113            | 40.1         | 170.7        | GGGG                  |                     |                      | 72                    | 8                    |
| 13056N                      | 6756N         | 2522-19399   | 00000/0000 2-20028/0228                 | 06/27/76         | 60               | 7280            | 44.2         | 158.4        | GGGG                  |                     |                      | 66                    | 12                   |
| 13059N                      | 7744N         | 2485-21143   | 00000/0000 2-20026/0003                 | 05/21/76         | 40               | 6765            | 32.5         | 189.8        | GGGG                  |                     |                      | 83                    | 4                    |
| 13103N                      | 7744N         | 2557-21123   | 00000/0000 2-20030/0605                 | 08/01/76         | 100              | 7769            | 30.0         | 186.4        | GGGG                  |                     |                      | 83                    | 4                    |
| 13106N                      | 7648N         | 2572-20551   | 00000/0000 2-20030/1399                 | 08/16/76         | 50               | 7978            | 26.7         | 182.2        | FGGG                  |                     |                      | 80                    | 5                    |
| 13110N                      | 7644N         | 2452-20574   | 00000/0000 2-20025/0927                 | 05/18/76         | 20               | 6723            | 32.9         | 184.9        | GGGG                  |                     |                      | 80                    | 5                    |
| 13114N                      | 7437N         | 2459-20323   | 00000/0000 2-20024/0642                 | 04/25/76         | 90               | 6402            | 28.8         | 176.8        | GGG                   |                     |                      | 75                    | 7                    |
| 13117N                      | 7037N         | 2543-19551   | 00000/0000 2-20024/1870                 | 07/18/76         | 0                | 7573            | 39.6         | 163.1        | FGGG                  |                     |                      | 69                    | 10                   |
| 13120N                      | 5307N         | 2730-18505   | 00000/0000 2-20038/1538                 | 01/21/77         | 80               | 180             | 12.2         | 149.9        | GGGG                  |                     |                      | 58                    | 23                   |
| 13123N                      | 7740N         | 2503-21140   | 00000/0000 2-20026/1050                 | 06/08/76         | 90               | 7016            | 35.2         | 188.5        | GGGG                  |                     |                      | 83                    | 4                    |
| 13129N                      | 6937N         | 2452-19521   | 00000/0000 2-20023/0531                 | 04/18/76         | 80               | 6304            | 30.9         | 165.1        | GGGG                  |                     |                      | 68                    | 11                   |
| 13134N                      | 7642N         | 2428-20592   | 00000/0000 2-20027/0441                 | 03/25/76         | 90               | 5970            | 15.4         | 182.3        | GGGG                  |                     |                      | 80                    | 5                    |
| 13134N                      | 7203N         | 2599-20043   | 00000/0000 2-20032/1280                 | 09/12/76         | 80               | 8354            | 21.6         | 170.0        | GGGG                  |                     |                      | 71                    | 9                    |
| 13135N                      | 7429N         | 2477-20300   | 2-20025/1280 2-20025/0390               | 05/13/76         | 10               | 6653            | 34.1         | 176.6        | GGGG                  | GGG                 |                      | 75                    | 7                    |
| 13138N                      | 7320N         | 2475-20190   | 00000/0000 2-20025/0149                 | 05/11/76         | 70               | 6625            | 34.7         | 173.3        | GGGG                  |                     |                      | 73                    | 8                    |
| 13141N                      | 7737N         | 2539-21130   | 00000/0000 2-20028/1501                 | 07/14/76         | 70               | 7518            | 33.9         | 186.0        | GGGG                  |                     |                      | 83                    | 4                    |
| 13143N                      | 7752N         | 2468-21204   | 00000/0000 2-20024/0906                 | 05/04/76         | 40               | 6528            | 28.2         | 190.4        | GGGG                  |                     |                      | 83                    | 4                    |
| 13145N                      | 7751N         | 2594-21171   | 00000/0000 2-20032/1009                 | 09/07/76         | 90               | 8285            | 17.8         | 188.5        | GGGG                  |                     |                      | 83                    | 4                    |
| 13146N                      | 7526N         | 2515-20401   | 00000/0000 2-20027/0270                 | 06/20/76         | 10               | 7183            | 38.0         | 177.8        | GGGG                  |                     |                      | 77                    | 6                    |
| 13147N                      | 7637N         | 2530-20572   | 00000/0000 2-20026/0708                 | 06/05/76         | 20               | 6974            | 36.0         | 183.6        | GGGG                  |                     |                      | 80                    | 5                    |
| 13149N                      | 7752N         | 2450-21211   | 00000/0000 2-20023/0456                 | 04/16/76         | 10               | 6277            | 22.4         | 189.5        | GGFG                  |                     |                      | 83                    | 4                    |
| 13152N                      | 5203N         | 2406-19013   | 2-20027/0580 00000/0000                 | 03/03/76         | 90               | 5662            | 26.3         | 147.1        | GGG                   |                     |                      | 58                    | 24                   |
| 13155N                      | 7735N         | 2521-21133   | 00000/0000 2-20028/0220                 | 06/26/76         | 90               | 7267            | 35.7         | 186.8        | GGGG                  |                     |                      | 83                    | 4                    |
| 13155N                      | 7423N         | 2495-20293   | 00000/0000 2-20026/0494                 | 05/31/76         | 0                | 6904            | 37.6         | 175.6        | GGGG                  |                     |                      | 75                    | 7                    |
| 13156N                      | 7151N         | 2509-20071   | 00000/0000 2-20026/1685                 | 06/14/76         | 10               | 7099            | 41.1         | 167.7        | GGGG                  |                     |                      | 71                    | 9                    |
| 13159N                      | 7545N         | 2462-20471   | 00000/0000 2-20024/0916                 | 04/28/76         | 50               | 6444            | 28.7         | 180.7        | GGGG                  |                     |                      | 77                    | 6                    |
| 13203N                      | 5143N         | 2730-18512   | 00000/0000 2-20038/1539                 | 01/21/77         | 90               | 180             | 13.2         | 149.2        | FGGG                  |                     |                      | 58                    | 24                   |
| 13204N                      | 7748N         | 2576-21174   | 00000/0000 2-20030/1797                 | 08/20/76         | 100              | 8034            | 24.3         | 187.3        | GGGG                  |                     |                      | 84                    | 4                    |
| 13205N                      | 7635N         | 2536-20562   | 00000/0000 2-20028/1311                 | 07/11/76         | 80               | 7476            | 35.5         | 181.1        | GGGG                  |                     |                      | 80                    | 5                    |
| 13213N                      | 7544N         | 2444-20474   | 00000/0000 2-20022/1880                 | 04/10/76         | 30               | 6193            | 22.5         | 179.8        | GGGG                  |                     |                      | 78                    | 6                    |
| 13214N                      | 7652N         | 2447-21042   | 00000/0000 2-20023/0119                 | 04/13/76         | 10               | 6235            | 22.5         | 184.4        | GGGG                  |                     |                      | 80                    | 5                    |
| 13219N                      | 7650N         | 2465-21035   | 00000/0000 2-20024/1315                 | 05/01/76         | 20               | 6486            | 28.4         | 185.2        | GGGG                  |                     |                      | 80                    | 5                    |
| 13220N                      | 7746N         | 2432-21214   | 00000/0000 2-20022/0944                 | 03/29/76         | 10               | 6026            | 15.8         | 187.6        | GGGG                  |                     |                      | 84                    | 4                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, RAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------|-------|------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| 13220W                      | 7651N | 2591-21003 | 00000/0000        | 2-20032/0796          | 09/04/76             | 40               | 8243                | 20.1            | 183.5        |              | GGGG                  |                     |                      | 80                    | 5                    |
| 13229W                      | 7647N | 2573-21010 | 00000/0000        | 2-20030/1446          | 08/17/76             | 90               | 7992                | 26.4            | 182.2        |              | FGGF                  |                     |                      | 81                    | 5                    |
| 13231W                      | 7538N | 2480-20464 | 00000/0000        | 2-20025/0744          | 05/16/76             | 90               | 6695                | 33.7            | 180.5        |              | GGGG                  |                     |                      | 78                    | 6                    |
| 13232W                      | 6636N | 2522-19395 | 00000/0000        | 2-20028/0229          | 06/27/76             | 60               | 7280                | 45.2            | 155.9        |              | GGGG                  |                     |                      | 66                    | 13                   |
| 13233W                      | 5038N | 2406-19020 | 2-20027/0581      | 00000/0000            | 03/03/76             | 90               | 5662                | 27.2            | 146.1        | FFG          |                       |                     |                      | 58                    | 25                   |
| 13238W                      | 7644N | 2483-21033 | 00000/0000        | 2-20025/0996          | 05/19/76             | 30               | 6737                | 33.2            | 184.8        |              | GGGG                  |                     |                      | 81                    | 5                    |
| 13249W                      | 7435N | 2460-20361 | 00000/0000        | 2-20024/0632          | 04/26/76             | 70               | 6416                | 29.2            | 176.8        |              | GGGG                  |                     |                      | 76                    | 7                    |
| 13251W                      | 7642N | 2429-21050 | 00000/0000        | 2-20022/0595          | 03/26/76             | 70               | 5984                | 15.8            | 182.5        |              | GGGG                  |                     |                      | 81                    | 5                    |
| 13255W                      | 7739N | 2504-21194 | 00000/0000        | 2-20024/1058          | 06/09/76             | 90               | 7030                | 35.3            | 188.4        |              | GGGG                  |                     |                      | 84                    | 4                    |
| 13256W                      | 7641N | 2609-21030 | 00000/0000        | 2-20032/1773          | 09/22/76             | 30               | 8494                | 13.3            | 184.2        |              | GGGG                  |                     |                      | 81                    | 5                    |
| 13303W                      | 7432N | 2442-20364 | 00000/0000        | 2-20022/1398          | 04/08/76             | 10               | 6160                | 22.9            | 175.8        |              | GF G                  |                     |                      | 76                    | 7                    |
| 13305W                      | 7738N | 2540-21134 | 00000/0000        | 2-20028/1382          | 07/15/76             | 10               | 7532                | 33.7            | 186.1        |              | GGG                   |                     |                      | 84                    | 4                    |
| 13305W                      | 7640N | 2555-21013 | 00000/0000        | 2-20030/0460          | 07/30/76             | 100              | 7741                | 31.7            | 181.1        |              | GGGG                  |                     |                      | 81                    | 5                    |
| 13305W                      | 7202N | 2600-20102 | 00000/0000        | 2-20034/0267          | 09/13/76             | 10               | 8368                | 21.3            | 170.0        |              | GGGG                  |                     |                      | 72                    | 9                    |
| 13306W                      | 7428N | 2478-20354 | 00000/0000        | 2-20025/0435          | 05/14/76             | 20               | 6667                | 34.3            | 176.6        |              | GGGG                  |                     |                      | 76                    | 7                    |
| 13313W                      | 4914N | 2406-19022 | 2-20027/0582      | 00000/0000            | 03/03/76             | 90               | 5662                | 28.2            | 145.1        | GGG          |                       |                     |                      | 53                    | 26                   |
| 13314W                      | 7525N | 2516-20455 | 00000/0000        | 2-20027/0281          | 06/21/76             | 20               | 7197                | 38.1            | 177.6        |              | GGGG                  |                     |                      | 78                    | 6                    |
| 13317W                      | 7637N | 2501-21030 | 00000/0000        | 2-20024/1018          | 06/06/76             | 60               | 6988                | 36.1            | 183.4        |              | GGGG                  |                     |                      | 81                    | 5                    |
| 13318W                      | 6919N | 2543-19553 | 00000/0000        | 2-20028/1871          | 07/18/76             | 10               | 7573                | 40.6            | 160.4        |              | FGGG                  |                     |                      | 69                    | 11                   |
| 13319W                      | 6818N | 2452-19523 | 00000/0000        | 2-20023/0532          | 04/18/76             | 40               | 6304                | 32.0            | 162.9        |              | GGGG                  |                     |                      | 68                    | 12                   |
| 13321W                      | 7636N | 2537-21020 | 00000/0000        | 2-20028/1256          | 07/12/76             | 80               | 7490                | 35.3            | 181.2        |              | GGGG                  |                     |                      | 81                    | 5                    |
| 13322W                      | 7633N | 2519-21023 | 00000/0000        | 2-20028/0080          | 06/24/76             | 100              | 7239                | 36.9            | 182.0        |              | FFGF                  |                     |                      | 81                    | 5                    |
| 13323W                      | 7423N | 2424-20372 | 00000/0000        | 2-20022/0019          | 03/21/76             | 40               | 5914                | 16.1            | 174.3        |              | GGFF                  |                     |                      | 76                    | 7                    |
| 13325W                      | 7154N | 2546-20115 | 00000/0000        | 2-20030/0275          | 07/21/76             | 30               | 7615                | 38.0            | 166.0        |              | GGGG                  |                     |                      | 72                    | 9                    |
| 13329W                      | 7150N | 2510-20125 | 00000/0000        | 2-20026/1691          | 06/15/76             | 80               | 7113                | 41.2            | 167.5        |              | GGFG                  |                     |                      | 72                    | 9                    |
| 13338W                      | 7544N | 2589-20493 | 00000/0000        | 2-20032/0672          | 09/02/76             | 60               | 8215                | 21.9            | 179.0        |              | GGGG                  |                     |                      | 79                    | 6                    |
| 13341W                      | 7414N | 2406-20375 | 00000/0000        | 20000/0000            | 03/03/76             | 40               | 5663                | 9.1             | 172.9        | GGG          |                       |                     |                      | 76                    | 7                    |
| 13341W                      | 7306N | 2530-20232 | 00000/0000        | 2-20028/0698          | 07/05/76             | 70               | 7392                | 39.4            | 169.5        |              | G                     |                     |                      | 74                    | 8                    |
| 13342W                      | 7543N | 2445-20532 | 00000/0000        | 2-20023/0009          | 04/11/76             | 10               | 6207                | 22.9            | 179.8        |              | GGGG                  |                     |                      | 79                    | 6                    |
| 13343W                      | 7650N | 2448-21101 | 00000/0000        | 2-20023/0128          | 04/14/76             | 70               | 6249                | 22.8            | 184.3        |              | FGGG                  |                     |                      | 81                    | 5                    |
| 13346W                      | 6646N | 2487-19462 | 00000/0000        | 2-20026/0023          | 05/23/76             | 30               | 6792                | 42.8            | 159.2        |              | GGG                   |                     |                      | 67                    | 13                   |
| 13349W                      | 7650N | 2466-21094 | 00000/0000        | 2-20024/1196          | 05/02/76             | 50               | 6500                | 28.8            | 185.2        |              | GPFF                  |                     |                      | 82                    | 5                    |
| 13353W                      | 7650N | 2592-21061 | 00000/0000        | 2-20032/0805          | 09/05/76             | 90               | 8257                | 19.7            | 183.5        |              | GGGG                  |                     |                      | 82                    | 5                    |
| 13354W                      | 7650N | 2574-21064 | 00000/0000        | 2-20030/1754          | 08/18/76             | 90               | 8006                | 26.0            | 182.4        |              | GGGG                  |                     |                      | 82                    | 5                    |
| 13354W                      | 7047N | 2599-20050 | 00000/0000        | 2-20032/1281          | 09/12/76             | 50               | 8354                | 22.7            | 167.5        |              | GGGG                  |                     |                      | 71                    | 10                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NOAA-US

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FROM 01/22/76 TO 01/22/77

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODF | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 13359W                                  | 7044N             | 2617-20043                   | 00000/0000                  | 2-20034/0161     | 09/30/76            | 90              | 8605         | 15.9         | 169.4                              | GGGG                |                      | 71                    | 10                   |
| 13400W                                  | 7046N             | 2563-20060                   | 00000/0000                  | 2-20030/0934     | 08/07/76            | 90              | 7852         | 34.8         | 164.0                              | FGGG                |                      | 71                    | 10                   |
| 13406W                                  | 7645N             | 2610-21054                   | 00000/0000                  | 2-20032/1827     | 09/23/76            | 0               | 8508         | 12.8         | 184.5                              | GGGG                |                      | 82                    | 5                    |
| 13407W                                  | 7437N             | 2461-20415                   | 00000/0000                  | 2-20024/0504     | 04/27/76            | 10              | 6430         | 29.5         | 176.9                              | GGFG                |                      | 77                    | 7                    |
| 13408W                                  | 7643N             | 2484-21091                   | 00000/0000                  | 2-20025/1217     | 05/20/76            | 20              | 6751         | 33.4         | 184.8                              | GGGG                |                      | 82                    | 5                    |
| 13412W                                  | 7035N             | 2509-20073                   | 00000/0000                  | 2-20026/1686     | 06/14/76            | 10              | 7099         | 42.2         | 164.7                              | GGFG                |                      | 71                    | 10                   |
| 13413W                                  | 7644N             | 2430-21104                   | 00000/0000                  | 2-20027/0485     | 03/27/76            | 30              | 5998         | 16.2         | 182.6                              | FGGF                |                      | 82                    | 5                    |
| 13415W                                  | 7037N             | 2545-20063                   | 00000/0000                  | 2-20029/0134     | 07/20/76            | 10              | 7601         | 39.2         | 163.1                              | GG F                |                      | 71                    | 10                   |
| 13417W                                  | 7205N             | 2475-20197                   | 00000/0000                  | 2-20025/0150     | 05/11/76            | 100             | 6625         | 35.8         | 170.2                              | GGGG                |                      | 73                    | 9                    |
| 13418W                                  | 7531N             | 2499-20520                   | 00000/0000                  | 2-20026/1203     | 06/04/76            | 0               | 6960         | 37.0         | 179.2                              | GGGG                |                      | 79                    | 6                    |
| 13420W                                  | 7325N             | 2459-20305                   | 00000/0000                  | 2-20024/0643     | 04/25/76            | 50              | 6402         | 29.9         | 173.4                              | GGGG                |                      | 75                    | 8                    |
| 13421W                                  | 7434N             | 2587-20383                   | 00000/0000                  | 2-20032/0662     | 08/31/76            | 10              | 8187         | 23.8         | 175.1                              | GGGG                |                      | 77                    | 7                    |
| 13424W                                  | 7433N             | 2443-20422                   | 00000/0000                  | 2-20027/1742     | 04/09/76            | 10              | 6179         | 23.3         | 175.9                              | GGGG                |                      | 77                    | 7                    |
| 13425W                                  | 7529N             | 2535-20510                   | 00000/0000                  | 2-20028/1174     | 07/10/76            | 10              | 7462         | 36.7         | 176.8                              | FFFG                |                      | 79                    | 6                    |
| 13426W                                  | 7641N             | 2556-21071                   | 00000/0000                  | 2-20030/0504     | 07/31/76            | 90              | 7755         | 31.4         | 181.2                              | GGGG                |                      | 82                    | 5                    |
| 13429W                                  | 7429N             | 2479-20412                   | 00000/0000                  | 2-20025/0641     | 05/15/76            | 50              | 6681         | 34.5         | 176.6                              | GGGG                |                      | 77                    | 7                    |
| 13427W                                  | 7206N             | 2583-20163                   | 00000/0000                  | 2-20032/0254     | 08/27/76            | 0               | 8131         | 27.4         | 168.5                              | GGGG                |                      | 73                    | 9                    |
| 13431W                                  | 7202N             | 2601-20160                   | 00000/0000                  | 2-20032/1362     | 09/14/76            | 40              | 8382         | 20.9         | 170.2                              | GGGG                |                      | 73                    | 9                    |
| 13432W                                  | 7321N             | 2585-20273                   | 00000/0000                  | 2-20032/0407     | 08/29/76            | 0               | 8159         | 25.6         | 171.6                              | GGGG                |                      | 75                    | 8                    |
| 13437W                                  | 7527N             | 2517-20513                   | 00000/0000                  | 2-20027/0398     | 06/22/76            | 70              | 7211         | 38.0         | 177.7                              | GGGG                |                      | 79                    | 6                    |
| 13437W                                  | 7317N             | 2477-20302                   | 00000/0000                  | 2-20025/0391     | 05/13/76            | 0               | 6653         | 35.2         | 173.2                              | GGGG                |                      | 75                    | 8                    |
| 13442W                                  | 7314N             | 2477-20303                   | 2-20027/0564                | 00000/0000       | 05/13/76            | 10              | 6653         | 35.2         | 173.1                              | GGG                 |                      | 75                    | 8                    |
| 13443W                                  | 7155N             | 2547-20173                   | 00000/0000                  | 2-20030/0002     | 07/22/76            | 10              | 7629         | 37.8         | 166.1                              | G G                 |                      | 73                    | 9                    |
| 13445W                                  | 7636N             | 2502-21084                   | 00000/0000                  | 2-20026/1479     | 06/07/76            | 70              | 7002         | 36.3         | 183.3                              | GGGG                |                      | 82                    | 5                    |
| 13453W                                  | 7635N             | 2538-21074                   | 00000/0000                  | 2-20028/1357     | 07/13/76            | 40              | 7504         | 35.1         | 181.1                              | GGGG                |                      | 82                    | 5                    |
| 13454W                                  | 7311N             | 2495-20300                   | 00000/0000                  | 2-20026/0495     | 05/31/76            | 10              | 6904         | 38.7         | 172.1                              | GGGG                |                      | 75                    | 8                    |
| 13459W                                  | 7633N             | 2520-21082                   | 00000/0000                  | 2-20027/0437     | 06/25/76            | 30              | 7253         | 36.9         | 181.9                              | GGGG                |                      | 82                    | 5                    |
| 13459W                                  | 6658N             | 2452-19530                   | 00000/0000                  | 2-20023/0533     | 04/18/76            | 10              | 6304         | 33.0         | 160.8                              | GGGG                |                      | 68                    | 13                   |
| 13500W                                  | 7543N             | 2464-20584                   | 00000/0000                  | 2-20024/1205     | 04/30/76            | 30              | 6472         | 29.3         | 180.7                              | GGGG                |                      | 80                    | 6                    |
| 13501W                                  | 7544N             | 2446-20591                   | 00000/0000                  | 2-20023/0105     | 04/12/76            | 70              | 6221         | 23.2         | 179.9                              | FGFF                |                      | 80                    | 6                    |
| 13504W                                  | 7651N             | 2467-21152                   | 00000/0000                  | 2-20024/0878     | 05/03/76            | 60              | 6514         | 29.0         | 185.3                              | GGGG                |                      | 82                    | 5                    |
| 13505W                                  | 6801N             | 2543-19560                   | 00000/0000                  | 2-20028/1872     | 07/18/76            | 30              | 7573         | 41.6         | 157.4                              | FGGG                |                      | 69                    | 12                   |
| 13510W                                  | 7416N             | 2515-20403                   | 00000/0000                  | 2-20027/0271     | 06/20/76            | 0               | 7183         | 39.1         | 173.8                              | GGGG                |                      | 77                    | 7                    |
| 13511W                                  | 7543N             | 2572-20554                   | 00000/0000                  | 2-20030/1400     | 08/16/76            | 20              | 7978         | 27.8         | 177.8                              | GGGG                |                      | 80                    | 6                    |
| 13514W                                  | 7538N             | 2482-20581                   | 00000/0000                  | 2-20025/0928     | 05/18/76            | 20              | 6723         | 34.1         | 180.5                              | GGGG                |                      | 80                    | 6                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MADE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
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FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL No./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRIGHT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 13520W 7047N                            | 2564-20114        | 00000/0000                   | 2-20030/0985                | 08/08/76         | 30                  | 7866             | 34.5         | 164.1        | GG G                               |                     |                      | 72                    | 10                   |
| 13521W 7650N                            | 2593-21115        | 00000/0000                   | 2-20032/0975                | 09/06/76         | 80                  | 8271             | 19.3         | 183.5        | GGGG                               |                     |                      | 83                    | 5                    |
| 13524W 7041N                            | 2492-20134        | 00000/0000                   | 2-20026/0915                | 05/28/76         | 80                  | 6862             | 40.5         | 166.2        | GGGG                               |                     |                      | 72                    | 10                   |
| 13525W 7045N                            | 2600-20104        | 00000/0000                   | 2-20034/0268                | 09/13/76         | 50                  | 8368             | 22.4         | 167.6        | GGGG                               |                     |                      | 72                    | 10                   |
| 13527W 7044N                            | 2618-20101        | 00000/0000                   | 2-20034/0382                | 10/01/76         | 80                  | 8619             | 15.5         | 169.5        | GGGG                               |                     |                      | 72                    | 10                   |
| 13533W 7436N                            | 2462-20473        | 00000/0000                   | 2-20024/0917                | 04/28/76         | 90                  | 6444             | 29.8         | 176.9        | FGGG                               |                     |                      | 78                    | 7                    |
| 13535W 7535N                            | 2428-20594        | 00000/0000                   | 2-20022/0442                | 03/25/76         | 100                 | 5970             | 16.5         | 178.2        | GGGG                               |                     |                      | 80                    | 6                    |
| 13538W 7644N                            | 2611-21112        | 00000/0000                   | 2-20032/1761                | 09/24/76         | 10                  | 8522             | 12.5         | 184.5        | GGGG                               |                     |                      | 83                    | 5                    |
| 13541W 7642N                            | 2485-21145        | 00000/0000                   | 2-20026/0004                | 05/21/76         | 60                  | 6765             | 33.6         | 184.7        | GGGG                               |                     |                      | 83                    | 5                    |
| 13541W 7038N                            | 2546-20121        | 00000/0000                   | 2-20030/0276                | 07/21/76         | 10                  | 7615             | 39.0         | 163.1        | GGGG                               |                     |                      | 72                    | 10                   |
| 13544W 7642N                            | 2557-21125        | 00000/0000                   | 2-20030/0606                | 08/01/76         | 90                  | 7769             | 31.1         | 181.3        | GGGG                               |                     |                      | 83                    | 5                    |
| 13545W 7434N                            | 2444-20481        | 00000/0000                   | 2-20022/1881                | 04/10/76         | 30                  | 6193             | 23.6         | 176.0        | GGGG                               |                     |                      | 78                    | 7                    |
| 13545W 7034N                            | 2510-20131        | 00000/0000                   | 2-20026/1692                | 06/15/76         | 60                  | 7113             | 42.3         | 164.6        | GGGG                               |                     |                      | 72                    | 10                   |
| 13546W 7205N                            | 2602-20214        | 00000/0000                   | 2-20032/1364                | 09/15/76         | 90                  | 8396             | 20.4         | 170.4        | GGGG                               |                     |                      | 74                    | 9                    |
| 13547W 7531N                            | 2500-20574        | 00000/0000                   | 2-20026/0709                | 06/05/76         | 90                  | 6974             | 37.2         | 179.1        | GGGG                               |                     |                      | 80                    | 6                    |
| 13553W 7323N                            | 2460-20363        | 00000/0000                   | 2-20024/0633                | 04/26/76         | 40                  | 6416             | 30.3         | 173.4        | GGGG                               |                     |                      | 76                    | 8                    |
| 13557W 6930N                            | 2599-20052        | 00000/0000                   | 2-20032/1282                | 09/12/76         | 10                  | 8354             | 23.8         | 165.2        | GGGG                               |                     |                      | 71                    | 11                   |
| 13600W 7429N                            | 2480-20471        | 00000/0000                   | 2-20025/0745                | 05/16/76         | 80                  | 6695             | 34.8         | 176.5        | GGGG                               |                     |                      | 78                    | 7                    |
| 13602W 7637N                            | 2503-21143        | 00000/0000                   | 2-20026/1051                | 06/08/76         | 10                  | 7016             | 36.3         | 183.4        | GGGG                               |                     |                      | 83                    | 5                    |
| 13603W 7528N                            | 2536-20564        | 00000/0000                   | 2-20028/1312                | 07/11/76         | 80                  | 7476             | 36.5         | 176.7        | GGGG                               |                     |                      | 80                    | 6                    |
| 13603W 6928N                            | 2563-20062        | 00000/0000                   | 2-20030/0935                | 08/07/76         | 90                  | 7852             | 35.9         | 161.4        | GGGG                               |                     |                      | 71                    | 11                   |
| 13603W 6927N                            | 2617-20045        | 00000/0000                   | 2-20034/0162                | 09/30/76         | 90                  | 8605             | 17.0         | 167.3        | GGGG                               |                     |                      | 71                    | 11                   |
| 13604W 7320N                            | 2442-20371        | 00000/0000                   | 2-20022/1399                | 04/08/76         | 30                  | 6165             | 24.0         | 172.5        | GGGG                               |                     |                      | 76                    | 8                    |
| 13606W 7316N                            | 2478-20361        | 00000/0000                   | 2-20025/0406                | 05/14/76         | 10                  | 6667             | 35.5         | 173.1        | GGGG                               |                     |                      | 76                    | 8                    |
| 13613W 6918N                            | 2509-20080        | 00000/0000                   | 2-20026/1687                | 06/14/76         | 40                  | 7099             | 43.3         | 162.0        | GGGG                               |                     |                      | 71                    | 11                   |
| 13615W 7152N                            | 2530-20234        | 00000/0000                   | 2-20028/0699                | 07/05/76         | 90                  | 7392             | 40.5         | 166.3        | GGGG                               |                     |                      | 74                    | 9                    |
| 13615W 6919N                            | 2545-20070        | 00000/0000                   | 2-20029/0135                | 07/20/76         | 10                  | 7601             | 40.2         | 160.4        | FG F                               |                     |                      | 71                    | 11                   |
| 13616W 7634N                            | 2539-21133        | 00000/0000                   | 2-20026/1502                | 07/14/76         | 60                  | 7518             | 35.0         | 181.0        | GGGG                               |                     |                      | 83                    | 5                    |
| 13621W 7546N                            | 2447-21045        | 00000/0000                   | 2-20022/0120                | 04/13/76         | 70                  | 6235             | 23.6         | 180.1        | GGGG                               |                     |                      | 81                    | 6                    |
| 13622W 7311N                            | 2424-20374        | 00000/0000                   | 2-20022/0020                | 03/21/76         | 10                  | 5914             | 17.2         | 171.2        | FFFF                               |                     |                      | 76                    | 8                    |
| 13624W 7545N                            | 2465-21042        | 00000/0000                   | 2-20024/1316                | 05/01/76         | 10                  | 6486             | 29.6         | 180.8        | GGGG                               |                     |                      | 81                    | 6                    |
| 13628W 7545N                            | 2591-21005        | 00000/0000                   | 2-20032/0797                | 09/04/76         | 90                  | 8243             | 21.2         | 179.2        | FGGG                               |                     |                      | 81                    | 6                    |
| 13629W 7632N                            | 2521-21140        | 00000/0000                   | 2-20028/0221                | 06/26/76         | 90                  | 7267             | 36.8         | 181.8        | FGGG                               |                     |                      | 83                    | 5                    |
| 13634W 7650N                            | 2468-21210        | 00000/0000                   | 2-20024/0907                | 05/04/76         | 30                  | 6528             | 29.3         | 185.3        | GGG                                |                     |                      | 83                    | 5                    |
| 13635W 7541N                            | 2573-21012        | 00000/0000                   | 2-20030/1447                | 08/17/76         | 50                  | 7992             | 27.5         | 177.8        | FGGF                               |                     |                      | 81                    | 6                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=M4 GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR MON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RSH<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 13637N                                  | 7650N             | 2450-21213                   | 00000/0000                  | 2-20023/0467     | 04/16/76            | 10              | 6277         | 23.5         | 184.5                              | GGGG                |                      | 83                    | 5                    |
| 13637W                                  | 7415N             | 2516-20462                   | 00000/0000                  | 2-20027/0282     | 06/21/76            | 20              | 7197         | 39.2         | 173.7                              | GGGG                |                      | 75                    | 7                    |
| 13638W                                  | 7302N             | 2436-20382                   | 00000/0000                  | 2-20021/1077     | 03/03/76            | 20              | 5663         | 10.2         | 170.0                              | GGG                 | FFFF                 | 76                    | 8                    |
| 13638W                                  | 7050N             | 2475-20195                   | 00000/0000                  | 2-20025/0151     | 05/11/76            | 90              | 6625         | 36.9         | 167.4                              | GGGG                |                      | 73                    | 10                   |
| 13642W                                  | 7537N             | 2483-21035                   | 00000/0000                  | 2-20025/0997     | 05/19/76            | 50              | 6737         | 34.3         | 180.4                              | GGGG                |                      | 81                    | 6                    |
| 13646W                                  | 7050N             | 2583-20165                   | 00000/0000                  | 2-20032/0255     | 08/27/76            | 0               | 8131         | 28.4         | 165.8                              | GGGG                |                      | 73                    | 10                   |
| 13650W                                  | 7647N             | 2576-21131                   | 00000/0000                  | 2-20030/1798     | 08/20/76            | 100             | 8034         | 25.4         | 182.3                              | GGGG                |                      | 84                    | 5                    |
| 13651W                                  | 7046N             | 2601-20152                   | 00000/0000                  | 2-20032/1363     | 09/14/76            | 100             | 8382         | 22.0         | 167.7                              | GGGG                |                      | 73                    | 10                   |
| 13652W                                  | 7045N             | 2565-20172                   | 00000/0000                  | 2-20030/1144     | 08/09/76            | 90              | 7880         | 34.3         | 164.1                              | GGGG                |                      | 73                    | 10                   |
| 13653W                                  | 7537N             | 2429-21052                   | 00000/0000                  | 2-20022/0596     | 03/26/76            | 90              | 5984         | 16.9         | 173.4                              | GGGG                |                      | 81                    | 6                    |
| 13653W                                  | 7042N             | 2619-20155                   | 00000/0000                  | 2-20034/0221     | 10/02/76            | 90              | 8633         | 15.1         | 169.5                              | GGGF                |                      | 73                    | 10                   |
| 13656W                                  | 7536N             | 2609-21002                   | 00000/0000                  | 2-20032/1774     | 09/22/76            | 40              | 8494         | 14.4         | 180.2                              | GGGG                |                      | 81                    | 6                    |
| 13700W                                  | 7039N             | 2547-20180                   | 00000/0000                  | 2-20030/0003     | 07/22/76            | 10              | 7629         | 38.8         | 163.2                              | GGGG                |                      | 73                    | 10                   |
| 13701W                                  | 7210N             | 2459-20312                   | 00000/0000                  | 2-20024/0644     | 04/25/76            | 60              | 6402         | 31.0         | 170.4                              | GGGG                |                      | 75                    | 9                    |
| 13703W                                  | 7038N             | 2529-20183                   | 00000/0000                  | 2-20024/0805     | 07/04/76            | 10              | 7378         | 41.6         | 163.4                              | GGGG                |                      | 73                    | 10                   |
| 13704W                                  | 7644N             | 2432-21220                   | 00000/0000                  | 2-20022/0945     | 03/29/76            | 10              | 6026         | 17.0         | 182.8                              | FGGG                |                      | 84                    | 5                    |
| 13704W                                  | 7533N             | 2555-21020                   | 00000/0000                  | 2-20030/0461     | 07/30/76            | 90              | 7741         | 32.8         | 176.7                              | GGGG                |                      | 81                    | 6                    |
| 13710W                                  | 7435N             | 2589-20495                   | 00000/0000                  | 2-20032/0673     | 09/02/76            | 50              | 8215         | 23.0         | 175.3                              | GGGG                |                      | 79                    | 7                    |
| 13711W                                  | 7325N             | 2461-20422                   | 00000/0000                  | 2-20024/0505     | 04/27/76            | 60              | 6430         | 30.6         | 173.5                              | GGGG                |                      | 77                    | 8                    |
| 13712W                                  | 7206N             | 2585-20275                   | 00000/0000                  | 2-20032/0438     | 08/29/76            | 10              | 8159         | 26.7         | 168.7                              | GGGG                |                      | 75                    | 9                    |
| 13713W                                  | 7433N             | 2445-20535                   | 00000/0000                  | 2-20023/0010     | 04/11/76            | 10              | 6207         | 24.0         | 176.0                              | GGGG                |                      | 79                    | 7                    |
| 13714W                                  | 7642N             | 2558-21184                   | 00000/0000                  | 2-20030/0643     | 08/02/76            | 20              | 7783         | 30.9         | 181.3                              | GGGG                |                      | 84                    | 5                    |
| 13715W                                  | 7202N             | 2477-20305                   | 2-20025/1281                | 2-20024/0392     | 05/13/76            | 10              | 6653         | 36.3         | 170.1                              | GGG                 | FFFF                 | 75                    | 9                    |
| 13717W                                  | 7530N             | 2501-21033                   | 00000/0000                  | 2-20026/1019     | 06/06/76            | 40              | 6988         | 37.3         | 179.0                              | GGGG                |                      | 81                    | 6                    |
| 13717W                                  | 7204N             | 2441-20315                   | 00000/0000                  | 2-20022/1458     | 04/07/76            | 30              | 6151         | 24.8         | 169.6                              | G F                 |                      | 75                    | 9                    |
| 13719W                                  | 7530N             | 2537-21023                   | 00000/0000                  | 2-20028/1257     | 07/12/76            | 10              | 7490         | 36.4         | 176.8                              | GGGG                |                      | 81                    | 6                    |
| 13719W                                  | 7204N             | 2603-20272                   | 00000/0000                  | 2-20032/1409     | 09/16/76            | 90              | 8410         | 20.1         | 170.5                              | GGG                 |                      | 75                    | 9                    |
| 13722W                                  | 7526N             | 2519-21030                   | 00000/0000                  | 2-20024/0031     | 06/24/76            | 100             | 7239         | 38.0         | 177.6                              | GGGG                |                      | 81                    | 6                    |
| 13724W                                  | 6929N             | 2564-20121                   | 00000/0000                  | 2-20030/0986     | 08/08/76            | 80              | 7866         | 35.6         | 161.5                              | GG G                |                      | 72                    | 11                   |
| 13726W                                  | 7321N             | 2443-20425                   | 00000/0000                  | 2-20022/1743     | 04/09/76            | 20              | 6179         | 24.4         | 172.6                              | GGGG                |                      | 77                    | 8                    |
| 13728W                                  | 7318N             | 2479-20415                   | 00000/0000                  | 2-20025/0642     | 05/15/76            | 20              | 6641         | 35.7         | 173.1                              | GGGG                |                      | 77                    | 8                    |
| 13730W                                  | 7317N             | 2605-20332                   | 00000/0000                  | 2-20032/1511     | 09/18/76            | 90              | 8438         | 18.2         | 173.4                              | GGGG                |                      | 77                    | 8                    |
| 13731W                                  | 7156N             | 2495-20302                   | 00000/0000                  | 2-20026/0496     | 05/31/76            | 90              | 6904         | 39.8         | 168.9                              | GGGG                |                      | 75                    | 9                    |
| 13733W                                  | 7637N             | 2504-21201                   | 00000/0000                  | 2-20026/1059     | 06/09/76            | 90              | 7030         | 36.4         | 183.3                              | GGGG                |                      | 84                    | 5                    |
| 13738W                                  | 7156N             | 2621-20265                   | 00000/0000                  | 2-20034/0356     | 10/04/76            | 90              | 8661         | 13.3         | 171.9                              | GGGG                |                      | 75                    | 9                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE, G=GOOD, P=POOR, F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANA-SAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE |       | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER % | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------|-------------------|-----------------------|----------------------|------------------|------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG                        | LAT   |                   | RBV                   | MSS                  |                  |                  |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 13739W                      | 7153N | 2531-20293        | 00000/0000            | 2-20028/0702         | 07/06/76         | 40               | 7406            | 40.3         | 166.3        | GGGG                  |                     |                      | 75                    | 9                    |
| 13741W                      | 7635N | 2540-21191        | 00000/0000            | 2-20028/1383         | 07/15/76         | 10               | 7532            | 34.8         | 181.1        | GGGG                  |                     |                      | 84                    | 5                    |
| 13743W                      | 7422N | 2499-20522        | 00000/0000            | 2-20026/1204         | 06/04/76         | 0                | 6960            | 38.2         | 175.3        | GGGG                  |                     |                      | 79                    | 7                    |
| 13744W                      | 7312N | 2497-20412        | 00000/0000            | 2-20026/0579         | 06/02/76         | 80               | 6932            | 39.0         | 172.0        | GGGG                  |                     |                      | 77                    | 8                    |
| 13744W                      | 7311N | 2425-20432        | 00000/0000            | 2-20027/0446         | 03/22/76         | 60               | 5928            | 17.5         | 171.3        | F GG                  |                     |                      | 77                    | 8                    |
| 13745W                      | 7304N | 2407-20440        | 00000/0000            | 2-20021/1021         | 03/04/76         | 10               | 5677            | 10.5         | 170.2        | GGGG                  |                     |                      | 77                    | 8                    |
| 13748W                      | 7633N | 2522-21194        | 00000/0000            | 2-20028/0233         | 06/27/76         | 70               | 7281            | 36.8         | 181.8        | GGGG                  |                     |                      | 84                    | 5                    |
| 13750W                      | 7419N | 2535-20513        | 00000/0000            | 2-20028/1175         | 07/10/76         | 10               | 7462            | 37.7         | 172.9        | GGGG                  |                     |                      | 79                    | 7                    |
| 13751W                      | 7544N | 2448-21103        | 00000/0000            | 2-20023/0129         | 04/14/76         | 80               | 6249            | 24.0         | 180.0        | GGGG                  |                     |                      | 82                    | 6                    |
| 13756W                      | 7544N | 2466-21100        | 00000/0000            | 2-20024/1197         | 05/02/76         | 10               | 6500            | 29.9         | 180.8        | GGGG                  |                     |                      | 82                    | 6                    |
| 13800W                      | 7544N | 2574-21070        | 00000/0000            | 2-20030/1755         | 08/18/76         | 90               | 8006            | 27.1         | 178.0        | GGGG                  |                     |                      | 82                    | 6                    |
| 13800W                      | 7544N | 2592-21064        | 00000/0000            | 2-20032/0806         | 09/05/76         | 100              | 8257            | 20.8         | 179.2        | GGGG                  |                     |                      | 82                    | 6                    |
| 13801W                      | 7417N | 2517-20520        | 00000/0000            | 2-20027/0399         | 06/22/76         | 80               | 7211            | 39.1         | 173.7        | GGGG                  |                     |                      | 79                    | 7                    |
| 13802W                      | 7916S | 2322-14542        | 00000/0000            | 2-20021/0133         | 02/18/76         | 90               | 5464            | 10.1         | 100.2        | GGGG                  |                     |                      | 7                     | 118                  |
| 13804W                      | 7306N | 2533-20403        | 00000/0000            | 2-20028/0976         | 07/08/76         | 90               | 7434            | 39.1         | 169.4        | GGGG                  |                     |                      | 77                    | 8                    |
| 13806W                      | 7303N | 2515-20410        | 00000/0000            | 2-20027/0272         | 06/20/76         | 0                | 7183            | 40.2         | 170.3        | GGGG                  |                     |                      | 77                    | 8                    |
| 13807W                      | 7030N | 2602-20220        | 00000/0000            | 2-20032/1365         | 09/15/76         | 100              | 8396            | 21.5         | 167.9        | GGGG                  |                     |                      | 74                    | 10                   |
| 13808W                      | 7539N | 2610-21060        | 00000/0000            | 2-20032/1828         | 09/23/76         | 30               | 8508            | 14.0         | 180.5        | GGGG                  |                     |                      | 82                    | 6                    |
| 13811W                      | 7537N | 2484-21093        | 00000/0000            | 2-20025/1218         | 05/20/76         | 80               | 6751            | 34.5         | 180.3        | GGGG                  |                     |                      | 82                    | 6                    |
| 13811W                      | 7047N | 2566-20231        | 00000/0000            | 2-20030/1101         | 08/10/76         | 10               | 7894            | 33.9         | 164.2        | GGGG                  |                     |                      | 74                    | 10                   |
| 13816W                      | 7538N | 2430-21110        | 00000/0000            | 2-20022/0486         | 03/27/76         | 10               | 5998            | 17.3         | 178.5        | GGGG                  |                     |                      | 82                    | 6                    |
| 13823W                      | 7042N | 2620-20213        | 00000/0000            | 2-20034/0390         | 10/03/76         | 70               | 8647            | 14.8         | 169.6        | GGG                   |                     |                      | 74                    | 10                   |
| 13827W                      | 7535N | 2556-21074        | 00000/0000            | 2-20030/0505         | 07/31/76         | 100              | 7755            | 32.5         | 176.8        | GGGG                  |                     |                      | 82                    | 6                    |
| 13827W                      | 7038N | 2548-20234        | 00000/0000            | 2-20030/0278         | 07/23/76         | 10               | 7643            | 38.6         | 163.1        | GG                    |                     |                      | 74                    | 10                   |
| 13832W                      | 7435N | 2446-20593        | 00000/0000            | 2-20023/0106         | 04/12/76         | 40               | 6221            | 24.4         | 176.2        | GGGG                  |                     |                      | 80                    | 7                    |
| 13832W                      | 7434N | 2464-20590        | 00000/0000            | 2-20024/1206         | 04/30/76         | 10               | 6472            | 30.4         | 176.8        | GGGG                  |                     |                      | 80                    | 7                    |
| 13838W                      | 7208N | 2586-20333        | 00000/0000            | 2-20032/0636         | 08/30/76         | 10               | 8173            | 26.3         | 168.8        | GGG                   |                     |                      | 76                    | 9                    |
| 13839W                      | 7324N | 2462-20480        | 00000/0000            | 2-20024/0918         | 04/28/76         | 70               | 6444            | 30.9         | 173.5        | GGGG                  |                     |                      | 78                    | 8                    |
| 13842W                      | 7433N | 2572-20560        | 00000/0000            | 2-20030/1401         | 08/16/76         | 60               | 7978            | 28.9         | 174.0        | GGGG                  |                     |                      | 80                    | 7                    |
| 13843W                      | 7529N | 2502-21091        | 00000/0000            | 2-20026/1480         | 06/07/76         | 30               | 7002            | 37.4         | 178.9        | GGGG                  |                     |                      | 82                    | 6                    |
| 13843W                      | 7205N | 2442-20373        | 00000/0000            | 2-20022/1400         | 04/08/76         | 20               | 6165            | 25.1         | 169.7        | GGGG                  |                     |                      | 74                    | 9                    |
| 13845W                      | 7429N | 2482-20583        | 00000/0000            | 2-20025/0929         | 05/18/76         | 10               | 6723            | 35.2         | 176.5        | GGGG                  |                     |                      | 80                    | 7                    |
| 13845W                      | 7202N | 2478-20363        | 00000/0000            | 2-20025/0407         | 05/14/76         | 40               | 6667            | 36.6         | 170.0        | GGGG                  |                     |                      | 76                    | 9                    |
| 13847W                      | 7322N | 2444-20483        | 00000/0000            | 2-20022/1882         | 04/10/76         | 20               | 6193            | 24.7         | 172.8        | GGGG                  |                     |                      | 78                    | 8                    |
| 13848W                      | 7529N | 2538-21081        | 00000/0000            | 2-20028/1458         | 07/13/76         | 20               | 7504            | 36.2         | 176.7        | GGGG                  |                     |                      | 82                    | 6                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR USN-US  
FROM 01/22/76 TO 01/22/77

PAGE 1397

| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|----------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV                   | MSS                  |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 13856N                      | 7527N             | 2520-21034            | 00000/0000           | 2-20027/0438     | 06/25/76            | 60              | 7253         | 38.0         | 177.4                 | GGGG                |                      | 82                    | 6                    |
| 13858W                      | 7156N             | 2424-20381            | 00000/0000           | 2-20027/0021     | 03/21/76            | 10              | 5914         | 18.2         | 168.5                 | GGFF                |                      | 76                    | 9                    |
| 13902W                      | 7426N             | 2428-21001            | 00000/0000           | 2-20027/0443     | 03/25/76            | 70              | 5970         | 17.6         | 174.7                 | GGGG                |                      | 83                    | 7                    |
| 13902W                      | 7316N             | 2480-20473            | 00000/0000           | 2-20025/0746     | 05/16/76            | 20              | 6695         | 35.9         | 173.1                 | GGGG                |                      | 78                    | 8                    |
| 13908W                      | 7150N             | 2514-20354            | 00000/0000           | 2-20027/0262     | 06/19/76            | 40              | 7169         | 41.3         | 167.2                 | GGGG                |                      | 76                    | 9                    |
| 13910W                      | 7151N             | 2532-20351            | 00000/0000           | 2-20028/0885     | 07/07/76            | 60              | 7420         | 40.2         | 166.2                 | GGGG                |                      | 76                    | 9                    |
| 13912W                      | 7545N             | 2467-21154            | 00000/0000           | 2-20024/0879     | 05/03/76            | 10              | 6514         | 30.2         | 180.9                 | GGGG                |                      | 83                    | 6                    |
| 13912W                      | 7147N             | 2406-20384            | 00000/0000           | 20000/0000       | 03/03/76            | 30              | 5663         | 11.3         | 167.5                 | GGG                 |                      | 76                    | 9                    |
| 13913W                      | 7421N             | 2500-20581            | 00000/0000           | 2-20026/0710     | 06/05/76            | 90              | 6974         | 38.3         | 175.2                 | GGGG                |                      | 80                    | 7                    |
| 13914W                      | 7303N             | 2406-20494            | 00000/0000           | 2-20021/1088     | 03/05/76            | 10              | 5691         | 11.0         | 170.2                 | FGGG                |                      | 78                    | 8                    |
| 13922W                      | 7055N             | 2459-20314            | 00000/0000           | 2-20024/0645     | 04/25/76            | 90              | 6402         | 32.2         | 167.7                 | GGGG                |                      | 75                    | 10                   |
| 13925W                      | 7416N             | 2410-21004            | 00000/0000           | 2-20021/1308     | 03/07/76            | 0               | 5719         | 10.7         | 173.2                 | FGGG                |                      | 80                    | 7                    |
| 13927W                      | 7418N             | 2536-20571            | 00000/0000           | 2-20028/1313     | 07/11/76            | 40              | 7476         | 37.6         | 172.8                 | GGGG                |                      | 80                    | 7                    |
| 13929W                      | 7543N             | 2575-21125            | 00000/0000           | 2-20032/0311     | 08/19/76            | 50              | 8020         | 26.8         | 178.0                 | GGGG                |                      | 83                    | 6                    |
| 13929W                      | 7543N             | 2593-21122            | 00000/0000           | 2-20032/0976     | 09/06/76            | 50              | 8271         | 20.5         | 179.2                 | GGGG                |                      | 83                    | 6                    |
| 13932W                      | 7302N             | 2516-20464            | 00000/0000           | 2-20027/0283     | 06/21/76            | 50              | 7197         | 40.2         | 170.2                 | GGGG                |                      | 78                    | 8                    |
| 13933W                      | 7050N             | 2585-20287            | 00000/0000           | 2-20032/0409     | 08/29/76            | 50              | 8159         | 27.7         | 166.0                 | GGGG                |                      | 75                    | 10                   |
| 13936W                      | 7049N             | 2441-20321            | 00000/0000           | 2-20027/1459     | 04/07/76            | 20              | 6151         | 25.9         | 167.0                 | GGGF                |                      | 75                    | 10                   |
| 13942W                      | 7538N             | 2611-21115            | 00000/0000           | 2-20032/1762     | 09/24/76            | 10              | 8522         | 13.6         | 180.5                 | GGGG                |                      | 83                    | 6                    |
| 13943W                      | 7536N             | 2485-21152            | 00000/0000           | 2-20026/0005     | 05/21/76            | 70              | 6765         | 34.8         | 180.2                 | GGGG                |                      | 83                    | 6                    |
| 13945W                      | 7536N             | 2557-21132            | 00000/0000           | 2-20030/0607     | 08/01/76            | 90              | 7769         | 32.2         | 176.9                 | GGGG                |                      | 83                    | 6                    |
| 13952W                      | 7211N             | 2461-20424            | 00000/0000           | 2-20024/0506     | 04/27/76            | 10              | 6430         | 31.7         | 170.5                 | GGGG                |                      | 77                    | 9                    |
| 13954W                      | 7436N             | 2447-21051            | 00000/0000           | 2-20027/0121     | 04/13/76            | 70              | 6235         | 24.7         | 176.3                 | GGGG                |                      | 81                    | 7                    |
| 13957W                      | 7436N             | 2465-21044            | 00000/0000           | 2-20024/1317     | 05/01/76            | 10              | 6486         | 30.7         | 176.9                 | GGGG                |                      | 81                    | 7                    |
| 14001W                      | 7531N             | 2503-21145            | 00000/0000           | 2-20026/1052     | 06/08/76            | 30              | 7016         | 37.4         | 178.9                 | GGGG                |                      | 83                    | 6                    |
| 14001W                      | 7436N             | 2591-21017            | 00000/0000           | 2-20032/0798     | 09/04/76            | 90              | 8243         | 22.3         | 175.5                 | GGGG                |                      | 81                    | 7                    |
| 14003W                      | 7208N             | 2587-20392            | 00000/0000           | 2-20032/0663     | 08/31/76            | 10              | 8187         | 26.0         | 168.9                 | GGGG                |                      | 77                    | 9                    |
| 14006W                      | 7432N             | 2573-21015            | 00000/0000           | 2-20030/1448     | 08/17/76            | 60              | 7992         | 28.6         | 174.0                 | GGFF                |                      | 81                    | 7                    |
| 14006W                      | 7207N             | 2443-20431            | 00000/0000           | 2-20027/1744     | 04/09/76            | 0               | 6179         | 25.5         | 169.7                 | GGGG                |                      | 77                    | 9                    |
| 14008W                      | 7203N             | 2479-20421            | 00000/0000           | 2-20025/0643     | 05/15/76            | 10              | 6681         | 36.8         | 170.0                 | GGGG                |                      | 77                    | 9                    |
| 14009W                      | 7202N             | 2605-20385            | 00000/0000           | 2-20032/1512     | 09/18/76            | 100             | 8438         | 19.3         | 170.6                 | FGFF                |                      | 77                    | 9                    |
| 14011W                      | 7427N             | 2483-21042            | 00000/0000           | 2-20025/0998     | 05/19/76            | 100             | 6737         | 35.4         | 176.5                 | GGGG                |                      | 81                    | 7                    |
| 14012W                      | 7204N             | 2569-20395            | 00000/0000           | 2-20030/1290     | 08/13/76            | 0               | 7936         | 32.0         | 167.2                 | FFFF                |                      | 77                    | 9                    |
| 14013W                      | 7323N             | 2589-20502            | 00000/0000           | 2-20032/0674     | 09/02/76            | 60              | 8215         | 24.1         | 172.0                 | GGGG                |                      | 79                    | 8                    |
| 14015W                      | 7528N             | 2539-21135            | 00000/0000           | 2-20028/1503     | 07/14/76            | 40              | 7518         | 36.1         | 176.6                 | GGGG                |                      | 83                    | 6                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS, BAN NOT AVAILABLE, G, GOOD, P, POOR, F, FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 28, 77

LANDSAT-2  
COORDINATE LISTING  
FOR NON-US  
FROM 01/22/76 TO 01/22/77

PAGE 1398

| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 14016W                      | 7321N | 2445-20541 | 00000/0000        | 2-20023/0011                 | 04/11/76                    | 10               | 6207                | 25.1            | 172.7        |              | GGGG                               |                     |                      | 79                    | 8                    |
| 14020W                      | 7157N | 2497-20415 | 00000/0000        | 2-20026/0580                 | 05/02/76                    | 40               | 6932                | 40.1            | 168.8        |              | PGGF                               |                     |                      | 77                    | 9                    |
| 14021W                      | 7156N | 2425-20435 | 00000/0000        | 2-20022/0447                 | 03/22/76                    | 30               | 5928                | 18.6            | 168.6        |              | FFFG                               |                     |                      | 77                    | 9                    |
| 14021W                      | 7150N | 2407-20442 | 00000/0000        | 2-20021/1022                 | 03/04/76                    | 40               | 5677                | 11.6            | 167.7        |              | GGFG                               |                     |                      | 77                    | 9                    |
| 14022W                      | 7427N | 2429-21055 | 00000/0000        | 2-20022/0597                 | 03/26/76                    | 30               | 5984                | 18.0            | 174.8        |              | GGGG                               |                     |                      | 81                    | 7                    |
| 14023W                      | 7525N | 2521-21142 | 00000/0000        | 2-20028/0222                 | 06/26/76                    | 90               | 7267                | 37.9            | 177.3        |              | GFGG                               |                     |                      | 83                    | 6                    |
| 14024W                      | 7744S | 2669-15360 | 2-20037/1369      | 00000/0000                   | 12/11/76                    | 100              | 9606                | 23.6            | 90.2         | GG           |                                    |                     |                      | 17                    | 116                  |
| 14025W                      | 7427N | 2609-21005 | 00000/0000        | 2-20032/1775                 | 09/22/76                    | 30               | 8494                | 15.6            | 176.7        |              | GGGF                               |                     |                      | 81                    | 7                    |
| 14031W                      | 7424N | 2555-21022 | 00000/0000        | 2-20030/0462                 | 07/30/76                    | 50               | 7741                | 33.8            | 172.8        |              | FGGG                               |                     |                      | 81                    | 7                    |
| 14031W                      | 7153N | 2623-20382 | 00000/0000        | 2-20034/0460                 | 10/06/76                    | 50               | 8689                | 12.5            | 172.0        |              | GGGG                               |                     |                      | 77                    | 9                    |
| 14037W                      | 7152N | 2533-20405 | 00000/0000        | 2-20028/0977                 | 07/08/76                    | 70               | 7434                | 40.1            | 166.2        |              | GGGG                               |                     |                      | 77                    | 9                    |
| 14039W                      | 7312N | 2427-20545 | 00000/0000        | 2-20022/0419                 | 03/24/76                    | 10               | 5956                | 18.3            | 171.4        |              | GGFF                               |                     |                      | 79                    | 8                    |
| 14040W                      | 7149N | 2515-20412 | 00000/0000        | 2-20027/0273                 | 06/20/76                    | 10               | 7183                | 41.3            | 167.1        |              | GGGG                               |                     |                      | 77                    | 9                    |
| 14041W                      | 7544N | 2468-21213 | 00000/0000        | 2-20024/0911                 | 05/04/76                    | 20               | 6528                | 30.5            | 180.8        |              | G                                  |                     |                      | 84                    | 6                    |
| 14041W                      | 7544N | 2594-21130 | 00000/0000        | 2-20032/1010                 | 09/07/76                    | 50               | 8285                | 20.1            | 179.4        |              | GGGG                               |                     |                      | 84                    | 6                    |
| 14042W                      | 7419N | 2501-21035 | 00000/0000        | 2-20026/1020                 | 06/06/76                    | 70               | 6988                | 38.4            | 175.1        |              | GGGG                               |                     |                      | 81                    | 7                    |
| 14042W                      | 7310N | 2499-20525 | 00000/0000        | 2-20026/1205                 | 06/04/76                    | 0                | 6960                | 39.3            | 171.8        |              | GGGG                               |                     |                      | 79                    | 8                    |
| 14043W                      | 7544N | 2450-21220 | 00000/0000        | 2-20023/0468                 | 04/16/76                    | 10               | 6277                | 24.7            | 180.2        |              | GGGG                               |                     |                      | 84                    | 6                    |
| 14043W                      | 7420N | 2537-21025 | 00000/0000        | 2-20028/1258                 | 07/12/76                    | 10               | 7490                | 37.4            | 172.8        |              | GGGG                               |                     |                      | 81                    | 7                    |
| 14047W                      | 7143N | 2389-20445 | 00000/0000        | 2-20020/1640                 | 02/15/76                    | 50               | 5426                | 5.1             | 167.4        |              | PFFG                               |                     |                      | 77                    | 9                    |
| 14048W                      | 7417N | 2519-21032 | 00000/0000        | 2-20028/0032                 | 06/24/76                    | 90               | 7239                | 39.1            | 173.6        |              | GGGG                               |                     |                      | 81                    | 7                    |
| 14048W                      | 7306N | 2535-20515 | 00000/0000        | 2-20028/1176                 | 07/10/76                    | 80               | 7462                | 38.8            | 169.3        |              | PGGG                               |                     |                      | 79                    | 8                    |
| 14056W                      | 7542N | 2576-21183 | 00000/0000        | 2-20030/1799                 | 08/20/76                    | 100              | 8034                | 26.5            | 178.0        |              | GGGG                               |                     |                      | 84                    | 6                    |
| 14056W                      | 7305N | 2409-20552 | 00000/0000        | 2-20021/1237                 | 03/06/76                    | 10               | 5705                | 11.3            | 170.3        |              | FG                                 |                     |                      | 79                    | 8                    |
| 14059W                      | 7304N | 2517-20522 | 00000/0000        | 2-20027/0400                 | 06/22/76                    | 80               | 7211                | 40.2            | 170.2        |              | GFGG                               |                     |                      | 79                    | 8                    |
| 14103W                      | 7415N | 2411-21062 | 00000/0000        | 2-20021/1354                 | 03/08/76                    | 0                | 5733                | 11.1            | 173.2        |              | GGGG                               |                     |                      | 81                    | 7                    |
| 14107W                      | 7538N | 2432-21223 | 00000/0000        | 2-20022/0946                 | 03/29/76                    | 10               | 6026                | 18.1            | 178.7        |              | FGGG                               |                     |                      | 84                    | 6                    |
| 14117W                      | 7535N | 2558-21130 | 00000/0000        | 2-20030/0644                 | 08/02/76                    | 90               | 7783                | 32.0            | 176.9        |              | FGGG                               |                     |                      | 84                    | 6                    |
| 14120W                      | 7210N | 2462-20482 | 00000/0000        | 2-20024/0919                 | 04/28/76                    | 60               | 6444                | 32.0            | 170.4        |              | GGGG                               |                     |                      | 78                    | 9                    |
| 14123W                      | 7435N | 2448-21110 | 00000/0000        | 2-20023/0130                 | 04/14/76                    | 80               | 6249                | 25.1            | 176.3        |              | GGGG                               |                     |                      | 82                    | 7                    |
| 14126W                      | 7208N | 2444-20490 | 00000/0000        | 2-20022/1883                 | 04/10/76                    | 10               | 6193                | 25.8            | 169.8        |              | FGGG                               |                     |                      | 78                    | 9                    |
| 14128W                      | 7435N | 2466-21103 | 00000/0000        | 2-20024/1198                 | 05/02/76                    | 0                | 6500                | 31.0            | 176.9        |              | GGGG                               |                     |                      | 82                    | 7                    |
| 14131W                      | 7530N | 2504-21203 | 00000/0000        | 2-20026/1060                 | 06/09/76                    | 90               | 7030                | 37.5            | 178.8        |              | GGGG                               |                     |                      | 84                    | 6                    |
| 14132W                      | 7435N | 2592-21070 | 00000/0000        | 2-20032/0807                 | 09/05/76                    | 100              | 8257                | 21.9            | 175.5        |              | GGGG                               |                     |                      | 82                    | 7                    |
| 14132W                      | 7434N | 2574-21073 | 00000/0000        | 2-20030/1756                 | 08/18/76                    | 80               | 8006                | 28.2            | 174.2        |              | GGGG                               |                     |                      | 82                    | 7                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAND NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

02:44 APR 25, 1977

LANDSAT-2  
COORDINATE LISTING  
FBI MBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 1399

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL<br>RBV MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRIGHT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|----------------------------------------------------|------------------|---------------------|------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 14135W 7323N                            | 2446-21000        | 00000/0000 2-20023/0107                            | 04/12/76         | 10                  | 6221             | 25.5         | 172.9        |                                    |                     |                      |                       |                      |
| 14136W 7321N                            | 2464-20593        | 00000/0000 2-20024/1207                            | 04/30/76         | 10                  | 6472             | 31.6         | 173.4        | GGGG                               |                     |                      | 80                    | 8                    |
| 14138W 7529N                            | 2540-21193        | 00000/0000 2-20028/1384                            | 07/15/76         | 70                  | 7532             | 35.9         | 176.6        | GGGG                               |                     |                      | 80                    | 8                    |
| 14139W 7202N                            | 2480-20480        | 00000/0000 2-20025/0747                            | 05/16/76         | 20                  | 6695             | 37.0         | 169.9        | GGG                                |                     |                      | 84                    | 6                    |
| 14141W 7428N                            | 2484-21100        | 00000/0000 2-20025/1219                            | 05/20/76         | 100                 | 6751             | 35.7         | 176.4        | GGGG                               |                     |                      | 78                    | 9                    |
| 14144W 7156N                            | 2498-20473        | 00000/0000 2-20024/0732                            | 06/03/76         | 10                  | 6946             | 40.2         | 168.7        | GGFG                               |                     |                      | 82                    | 7                    |
| 14145W 7527N                            | 2522-21201        | 00000/0000 2-20028/0234                            | 06/27/76         | 80                  | 7281             | 37.9         | 177.4        | GGGG                               |                     |                      | 78                    | 9                    |
| 14145W 7322N                            | 2572-20563        | 00000/0000 2-20030/1402                            | 08/16/76         | 60                  | 7978             | 29.9         | 170.6        | GGGG                               |                     |                      | 84                    | 6                    |
| 14145W 7201N                            | 2606-20443        | 00000/0000 2-20032/1524                            | 09/19/76         | 90                  | 8452             | 19.0         | 170.7        | GGGG                               |                     |                      | 80                    | 8                    |
| 14146W 7159N                            | 2426-20493        | 00000/0000 2-20022/0496                            | 03/23/76         | 10                  | 5942             | 19.0         | 168.7        | GG G                               |                     |                      | 78                    | 9                    |
| 14147W 7316N                            | 2482-20590        | 00000/0000 2-20025/0930                            | 05/18/76         | 10                  | 6723             | 36.3         | 173.1        | GGGG                               |                     |                      | 78                    | 9                    |
| 14150W 7149N                            | 2408-20501        | 00000/0000 2-20021/1089                            | 03/05/76         | 10                  | 5691             | 12.0         | 167.6        | GGGG                               |                     |                      | 80                    | 8                    |
| 14153W 7153N                            | 2624-20440        | 00000/0000 2-20034/0448                            | 10/07/76         | 30                  | 8703             | 12.2         | 172.1        | FGGF                               |                     |                      | 78                    | 9                    |
| 14154W 7425N                            | 2556-21030        | 00000/0000 2-20030/0506                            | 07/31/76         | 90                  | 7755             | 33.6         | 172.9        | GGG                                |                     |                      | 78                    | 9                    |
| 14154W 7154N                            | 2552-20460        | 00000/0000 2-20030/0253                            | 07/27/76         | 40                  | 7699             | 36.7         | 166.1        | PGGG                               |                     |                      | 82                    | 7                    |
| 14201W 7150N                            | 2534-20463        | 00000/0000 2-20028/0955                            | 07/09/76         | 20                  | 7448             | 40.0         | 166.1        | GGGG                               |                     |                      | 78                    | 9                    |
| 14202W 7313N                            | 2428-21003        | 00000/0000 2-20022/0444                            | 03/25/76         | 10                  | 5970             | 18.7         | 171.5        | GGGG                               |                     |                      | 78                    | 9                    |
| 14206W 7148N                            | 2516-20471        | 00000/0000 2-20027/0284                            | 06/21/76         | 50                  | 7197             | 41.3         | 167.0        | GGGG                               |                     |                      | 80                    | 8                    |
| 14209W 7419N                            | 2502-21093        | 00000/0000 2-20026/1431                            | 06/07/76         | 10                  | 7002             | 38.5         | 175.0        | GGGG                               |                     |                      | 78                    | 9                    |
| 14212W 7308N                            | 2520-20583        | 00000/0000 2-20026/0711                            | 06/05/76         | 10                  | 6974             | 39.4         | 171.7        | GGGG                               |                     |                      | 82                    | 7                    |
| 14213W 7419N                            | 2538-21083        | 00000/0000 2-20028/1359                            | 07/13/76         | 10                  | 7504             | 37.3         | 172.7        | GGGG                               |                     |                      | 80                    | 8                    |
| 14215W 7416N                            | 2412-21121        | 00000/0000 2-20021/1380                            | 03/09/76         | 0                   | 5747             | 11.4         | 173.3        | GGGG                               |                     |                      | 82                    | 7                    |
| 14221W 7303N                            | 2410-21011        | 00000/0000 2-20021/1309                            | 03/07/76         | 0                   | 5719             | 11.7         | 170.3        | P                                  |                     |                      | 82                    | 7                    |
| 14222W 7305N                            | 2536-20573        | 00000/0000 2-20028/1314                            | 07/11/76         | 30                  | 7476             | 38.7         | 169.3        | GGGG                               |                     |                      | 80                    | 8                    |
| 14246W 7436N                            | 2467-21161        | 00000/0000 2-20024/0880                            | 05/03/76         | 0                   | 6514             | 31.3         | 177.0        | GGGG                               |                     |                      | 80                    | 8                    |
| 14251W 7209N                            | 2589-20504        | 00000/0000 2-20032/0675                            | 09/02/76         | 50                  | 8215             | 25.2         | 169.1        | GGGG                               |                     |                      | 83                    | 7                    |
| 14256W 7207N                            | 2445-20544        | 00000/0000 2-20023/0012                            | 04/11/76         | 10                  | 6207             | 26.2         | 169.8        | GGGG                               |                     |                      | 79                    | 9                    |
| 14259W 7433N                            | 2575-21131        | 00000/0000 2-20032/0312                            | 08/15/76         | 60                  | 8020             | 27.9         | 174.2        | GGGG                               |                     |                      | 79                    | 9                    |
| 14259W 7324N                            | 2447-21054        | 00000/0000 2-20023/0122                            | 04/13/76         | 30                  | 6235             | 25.8         | 173.0        | PPPP                               |                     |                      | 83                    | 7                    |
| 14301W 7434N                            | 2593-21124        | 00000/0000 2-20032/0977                            | 09/06/76         | 30                  | 8271             | 21.6         | 175.6        | GGGG                               |                     |                      | 81                    | 8                    |
| 14302W 7323N                            | 2465-21051        | 00000/0000 2-20024/1318                            | 05/01/76         | 10                  | 6486             | 31.8         | 173.5        | GGGF                               |                     |                      | 83                    | 7                    |
| 14304W 7324N                            | 2591-21014        | 00000/0000 2-20032/0799                            | 09/04/76         | 100                 | 8243             | 23.4         | 172.2        | GGGG                               |                     |                      | 81                    | 8                    |
| 14309W 7320N                            | 2573-21021        | 00000/0000 2-20030/1449                            | 08/17/76         | 90                  | 7992             | 29.6         | 170.6        | GGGG                               |                     |                      | 81                    | 8                    |
| 14312W 7428N                            | 2611-21121        | 00000/0000 2-20032/1763                            | 09/24/76         | 20                  | 8522             | 14.8         | 176.9        | FFFF                               |                     |                      | 81                    | 8                    |
| 14312W 7426N                            | 2485-21154        | 00000/0000 2-20026/0006                            | 05/21/76         | 10                  | 6765             | 35.9         | 176.3        | FGFR                               |                     |                      | 83                    | 7                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN. H=HIGH GAIN

02:44 APR 28, 1977

LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
FROM 01/22/76 TO 01/22/77

PAGE 1400

| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFIL<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|-----------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 14312N                                  | 7315N             | 2483-21044                  | 00000/0000                  | 2-20025/0999     | 05/19/76            | 100             | 6737         | 36.6         | 173.0                              | GGGG                |                      | 81                    | 8                    |
| 14313N                                  | 7427N             | 2557-21134                  | 00000/0000                  | 2-20030/0608     | 08/01/76            | 60              | 7769         | 33.3         | 173.0                              | GGGG                |                      | 83                    | 7                    |
| 14316N                                  | 7157N             | 2427-20551                  | 00000/0000                  | 2-20022/0420     | 03/24/76            | 10              | 5956         | 19.4         | 168.7                              | GGGG                |                      | 79                    | 9                    |
| 14318N                                  | 7155N             | 2499-20531                  | 00000/0000                  | 2-20026/1206     | 06/04/76            | 10              | 6960         | 40.3         | 168.6                              | GGGG                |                      | 79                    | 9                    |
| 14321N                                  | 7154N             | 2625-20494                  | 00000/0000                  | 2-20034/0523     | 10/08/76            | 20              | 8717         | 11.8         | 172.2                              | PGGG                |                      | 79                    | 9                    |
| 14321N                                  | 7152N             | 2535-20522                  | 00000/0000                  | 2-20028/1177     | 07/10/76            | 30              | 7462         | 39.8         | 166.1                              | FGGG                |                      | 79                    | 9                    |
| 14322N                                  | 7316N             | 2429-21061                  | 00000/0000                  | 2-20027/0598     | 03/26/76            | 10              | 5984         | 19.1         | 171.7                              | GGGG                |                      | 81                    | 8                    |
| 14327N                                  | 7314N             | 2609-21011                  | 00000/0000                  | 2-20032/1776     | 09/22/76            | 30              | 8494         | 16.7         | 173.6                              | GGGG                |                      | 81                    | 8                    |
| 14328N                                  | 7422N             | 2503-21152                  | 00000/0000                  | 2-20026/1053     | 06/08/76            | 60              | 7016         | 38.5         | 175.0                              | GGGG                |                      | 83                    | 7                    |
| 14330N                                  | 7312N             | 2555-21025                  | 00000/0000                  | 2-20030/0463     | 07/30/76            | 20              | 7741         | 34.9         | 169.4                              | FGGG                |                      | 81                    | 8                    |
| 14331N                                  | 7150N             | 2409-20555                  | 00000/0000                  | 2-20021/1238     | 03/06/76            | 10              | 5705         | 12.4         | 167.7                              | GGGG                |                      | 79                    | 9                    |
| 14333N                                  | 7150N             | 2517-20525                  | 00000/0000                  | 2-20027/0401     | 06/22/76            | 90              | 7211         | 41.3         | 167.0                              | GFGG                |                      | 79                    | 9                    |
| 14340N                                  | 7418N             | 2539-21142                  | 00000/0000                  | 2-20028/1504     | 07/14/76            | 20              | 7518         | 37.2         | 172.7                              | GGGG                |                      | 83                    | 7                    |
| 14340N                                  | 7307N             | 2501-21042                  | 00000/0000                  | 2-20026/1021     | 06/06/76            | 10              | 6988         | 39.5         | 171.6                              | GGGG                |                      | 81                    | 8                    |
| 14341N                                  | 7307N             | 2537-21032                  | 00000/0000                  | 2-20028/1259     | 07/12/76            | 10              | 7490         | 38.5         | 169.3                              | GGGG                |                      | 81                    | 8                    |
| 14345N                                  | 7416N             | 2521-21145                  | 00000/0000                  | 2-20028/0223     | 06/26/76            | 100             | 7267         | 39.0         | 173.4                              | GGGG                |                      | 83                    | 7                    |
| 14345N                                  | 7305N             | 2519-21035                  | 00000/0000                  | 2-20028/0083     | 06/24/76            | 90              | 7239         | 40.1         | 170.1                              | GGGG                |                      | 81                    | 8                    |
| 14358N                                  | 7302N             | 2411-21065                  | 00000/0000                  | 2-20021/1355     | 03/08/76            | 0               | 5733         | 12.1         | 170.3                              | GGGG                |                      | 81                    | 8                    |
| 14414N                                  | 7435N             | 2468-21215                  | 00000/0000                  | 2-20024/0908     | 05/04/76            | 0               | 6528         | 31.6         | 177.0                              | GGGG                |                      | 84                    | 7                    |
| 14414N                                  | 7435N             | 2594-21183                  | 00000/0000                  | 2-20032/1011     | 09/07/76            | 70              | 8285         | 21.2         | 175.7                              | GGGG                |                      | 84                    | 7                    |
| 14415N                                  | 7435N             | 2450-21222                  | 00000/0000                  | 2-20023/0469     | 04/16/76            | 10              | 6277         | 25.8         | 176.4                              | GGGG                |                      | 84                    | 7                    |
| 14415N                                  | 7209N             | 2446-21002                  | 00000/0000                  | 2-20023/0108     | 04/12/76            | 10              | 6221         | 26.6         | 169.9                              | GGGG                |                      | 80                    | 9                    |
| 14416N                                  | 7208N             | 2464-20595                  | 00000/0000                  | 2-20024/1208     | 04/30/76            | 10              | 6472         | 32.7         | 170.4                              | GGGG                |                      | 80                    | 9                    |
| 14424N                                  | 7208N             | 2572-20565                  | 00000/0000                  | 2-20030/1403     | 08/16/76            | 30              | 7978         | 31.0         | 167.6                              | GGGG                |                      | 80                    | 9                    |
| 14425N                                  | 7208N             | 2590-20563                  | 00000/0000                  | 2-20032/0587     | 09/03/76            | 90              | 8229         | 24.9         | 169.2                              | G                   |                      | 80                    | 9                    |
| 14425N                                  | 7202N             | 2482-20592                  | 00000/0000                  | 2-20025/0931     | 05/18/76            | 0               | 6723         | 37.5         | 169.9                              | GGGG                |                      | 80                    | 9                    |
| 14427N                                  | 7433N             | 2576-21190                  | 00000/0000                  | 2-20030/1800     | 08/20/76            | 100             | 8034         | 27.6         | 174.2                              | GGGG                |                      | 84                    | 7                    |
| 14431N                                  | 7323N             | 2466-21105                  | 00000/0000                  | 2-20024/1199     | 05/02/76            | 10              | 6500         | 32.2         | 173.5                              | GPGG                |                      | 82                    | 8                    |
| 14432N                                  | 7200N             | 2608-20560                  | 00000/0000                  | 2-20032/1561     | 09/21/76            | 10              | 8480         | 18.2         | 170.9                              | GGGG                |                      | 80                    | 9                    |
| 14434N                                  | 7322N             | 2574-21075                  | 00000/0000                  | 2-20030/1757     | 08/18/76            | 90              | 8006         | 29.3         | 170.8                              | GGGG                |                      | 82                    | 8                    |
| 14437N                                  | 7429N             | 2432-21225                  | 00000/0000                  | 2-20022/0947     | 03/29/76            | 10              | 6026         | 19.2         | 175.0                              | FGGG                |                      | 84                    | 7                    |
| 14437N                                  | 7322N             | 2592-21073                  | 00000/0000                  | 2-20032/0808     | 09/05/76            | 10              | 8257         | 23.0         | 172.3                              | GGGG                |                      | 82                    | 8                    |
| 14438N                                  | 7159N             | 2428-21010                  | 00000/0000                  | 2-20022/0445     | 03/25/76            | 10              | 5970         | 19.8         | 168.8                              | GGGG                |                      | 80                    | 9                    |
| 14440N                                  | 7318N             | 2610-21065                  | 00000/0000                  | 2-20032/1829     | 09/23/76            | 60              | 8508         | 16.3         | 173.9                              | GGGG                |                      | 82                    | 8                    |
| 14443N                                  | 7315N             | 2484-21102                  | 00000/0000                  | 2-20025/1220     | 05/20/76            | 100             | 6751         | 36.8         | 172.9                              | GGGG                |                      | 82                    | 8                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR NBN-US  
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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM ROLL NO./<br>POSITION IN ROLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------------------------|------------------|---------------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG LAT                    |                   | RBV MSS                                 |                  |                     |              |              | 123 45678             |                     |                      |                       |                      |
| 14444N                      | 7425N             | 2558-21193                              | 030000/0000      | 2-20030/0645        | 08/02/76     | 40           | 7783                  | 33.0                | 173.0                |                       |                      |
| 14445N                      | 7154N             | 2626-20552                              | 030000/0000      | 2-20034/0571        | 10/09/76     | 70           | 8731                  | 11.4                | 172.3                | GGGG                  | 84 7                 |
| 14446N                      | 7316N             | 2430-21115                              | 030000/0000      | 2-20022/0437        | 03/27/76     | 30           | 5998                  | 19.5                | 171.8                | GGG                   | 80 9                 |
| 14448N                      | 7154N             | 2500-20590                              | 030000/0000      | 2-20024/0712        | 06/05/76     | 10           | 6974                  | 40.5                | 168.5                | GGGG                  | 82 8                 |
| 14454N                      | 7313N             | 2556-21083                              | 030000/0000      | 2-20030/0507        | 07/31/76     | 90           | 7755                  | 34.6                | 169.5                | GGGG                  | 80 9                 |
| 14455N                      | 7151N             | 2536-20530                              | 030000/0000      | 2-20028/1315        | 07/11/76     | 30           | 7476                  | 39.7                | 166.1                | GGGG                  | 82 8                 |
| 14456N                      | 7149N             | 2410-21013                              | 030000/0000      | 2-20021/1310        | 03/07/76     | 0            | 5719                  | 12.8                | 167.7                | GGGG                  | 80 9                 |
| 14457N                      | 7420N             | 2504-21210                              | 030000/0000      | 2-20026/1061        | 06/09/76     | 40           | 7030                  | 38.6                | 174.9                | GGGG                  | 80 9                 |
| 14503N                      | 7420N             | 2540-21230                              | 030000/0000      | 2-20022/1385        | 07/15/76     | 30           | 7532                  | 37.0                | 172.7                | GGG                   | 84 7                 |
| 14507N                      | 7307N             | 2502-21130                              | 030000/0000      | 2-20024/1482        | 06/07/76     | 40           | 7002                  | 39.6                | 171.4                | GGGG                  | 84 7                 |
| 14509N                      | 7306N             | 2538-21090                              | 030000/0000      | 2-20028/1360        | 07/13/76     | 10           | 7504                  | 38.4                | 169.2                | GGGG                  | 82 8                 |
| 14512N                      | 7304N             | 2412-21123                              | 030000/0000      | 2-20021/1381        | 03/09/76     | 0            | 5747                  | 12.5                | 170.4                | FPFF                  | 82 8                 |
| 14516N                      | 7304N             | 2520-21093                              | 030000/0000      | 2-20027/0439        | 06/25/76     | 90           | 7253                  | 40.1                | 170.0                | GGGG                  | 82 8                 |
| 14538N                      | 7211N             | 2447-21060                              | 030000/0000      | 2-20023/0123        | 04/13/76     | 30           | 6235                  | 26.9                | 170.0                | GGGG                  | 81 9                 |
| 14543N                      | 7209N             | 2465-21053                              | 030000/0000      | 2-20024/1319        | 05/01/76     | 10           | 6486                  | 33.0                | 170.4                | GGGG                  | 81 9                 |
| 14545N                      | 7210N             | 2531-21021                              | 030000/0000      | 2-20032/0800        | 09/04/76     | 100          | 8243                  | 24.5                | 169.4                | GGGG                  | 81 9                 |
| 14548N                      | 7206N             | 2573-21024                              | 030000/0000      | 2-20033/1450        | 08/17/76     | 60           | 7992                  | 30.7                | 167.6                | FGFF                  | 81 9                 |
| 14551N                      | 7324N             | 2467-21163                              | 030000/0000      | 2-20024/0881        | 05/03/76     | 0            | 6514                  | 32.4                | 173.6                | GGGG                  | 83 8                 |
| 14551N                      | 7201N             | 2483-21051                              | 030000/0000      | 2-20025/1000        | 05/19/76     | 100          | 6737                  | 37.7                | 169.8                | GGGG                  | 81 9                 |
| 14552N                      | 7841E             | 2689-15363                              | 2-20037/1370     | 000000/0000         | 12/11/76     | 100          | 9606                  | 22.5                | 95.0                 | GFF                   | 17 117               |
| 14600N                      | 7201N             | 2429-21064                              | 030000/0000      | 2-20022/0599        | 03/26/76     | 10           | 5984                  | 20.2                | 168.9                | GGGG                  | 81 9                 |
| 14604N                      | 7159N             | 2609-21014                              | 030000/0000      | 2-20032/1777        | 09/22/76     | 60           | 8494                  | 17.8                | 170.9                | GGGG                  | 81 9                 |
| 14605N                      | 7321N             | 2593-21131                              | 030000/0000      | 2-20032/0978        | 09/06/76     | 80           | 8271                  | 22.7                | 172.3                | GGGG                  | 83 8                 |
| 14607N                      | 7157N             | 2555-21031                              | 030000/0000      | 2-20037/0464        | 07/30/76     | 10           | 7741                  | 35.9                | 166.2                | GGGG                  | 81 9                 |
| 14613N                      | 7315N             | 2557-21141                              | 030000/0000      | 2-20037/0609        | 08/01/76     | 90           | 7769                  | 34.3                | 169.6                | GGGG                  | 83 8                 |
| 14613N                      | 7314N             | 2485-21161                              | 030000/0000      | 2-20026/0007        | 05/21/76     | 10           | 6765                  | 37.0                | 172.8                | GGGG                  | 83 8                 |
| 14614N                      | 7316N             | 2611-21124                              | 030000/0000      | 2-20032/1764        | 09/24/76     | 50           | 8522                  | 15.9                | 173.9                | GGGG                  | 83 8                 |
| 14616N                      | 7153N             | 2501-21044                              | 030000/0000      | 2-20026/1022        | 06/06/76     | 10           | 6988                  | 40.6                | 168.4                | GGGG                  | 81 9                 |
| 14616N                      | 7153N             | 2537-21034                              | 030000/0000      | 2-20028/1260        | 07/12/76     | 10           | 7490                  | 39.5                | 166.1                | GGGG                  | 81 9                 |
| 14619N                      | 7151N             | 2519-21041                              | 030000/0000      | 2-20028/0084        | 06/24/76     | 60           | 7239                  | 41.2                | 166.9                | GGGG                  | 81 9                 |
| 14626N                      | 7309N             | 2503-21154                              | 030000/0000      | 2-20024/1054        | 05/08/76     | 90           | 7016                  | 39.6                | 171.5                | GGGG                  | 83 8                 |
| 14631N                      | 7148N             | 2411-21071                              | 030000/0000      | 2-20021/1356        | 03/08/76     | 10           | 5733                  | 13.2                | 167.7                | GGGG                  | 81 9                 |
| 14638N                      | 7306N             | 2539-21144                              | 030000/0000      | 2-20028/1505        | 07/14/76     | 10           | 7518                  | 38.2                | 169.2                | GGGG                  | 83 8                 |
| 14641N                      | 7303N             | 2521-21151                              | 030000/0000      | 2-20028/0224        | 06/26/76     | 100          | 7267                  | 40.1                | 169.9                | FGGG                  | 83 8                 |
| 14643N                      | 7629S             | 2391-16304                              | 030000/0000      | 2-20021/0234        | 02/17/76     | 10           | 5451                  | 13.5                | 85.8                 | GGGG                  | 25 115               |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN



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LANDSAT-2  
COORDINATE LISTING  
FOR USN-UIS  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN ROLL<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE-QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|---------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 14703N                                  | 7209N             | 2448-21115                   | 00000/0000                  | 2-20023/0131     | 04/14/76            | 10              | 6249         | 27.3         | 170.0                              | GGGG                |                      | 82                    | 9                    |
| 14711N                                  | 7209N             | 2466-21112                   | 00000/0000                  | 2-20024/1200     | 05/02/76            | 10              | 6500         | 33.3         | 170.4                              | GGGG                |                      | 82                    | 9                    |
| 14713N                                  | 7208N             | 2574-21032                   | 00000/0000                  | 2-20030/1758     | 08/18/76            | 90              | 8006         | 30.4         | 167.7                              | GGGG                |                      | 82                    | 9                    |
| 14714N                                  | 7837S             | 2630-15421                   | 2-20037/1374                | 00000/0000       | 12/12/76            | 90              | 9620         | 22.6         | 95.0                               | GGG                 |                      | 18                    | 117                  |
| 14717N                                  | 7208N             | 2592-21075                   | 00000/0000                  | 2-20032/0809     | 09/05/76            | 10              | 8257         | 24.1         | 169.4                              | GGGG                |                      | 82                    | 9                    |
| 14718N                                  | 7323N             | 2468-21222                   | 00000/0000                  | 2-20024/0909     | 05/04/76            | 10              | 6528         | 32.7         | 173.5                              | GGGG                |                      | 84                    | 8                    |
| 14719N                                  | 7323N             | 2450-21225                   | 00000/0000                  | 2-20023/0470     | 04/16/76            | 10              | 6277         | 26.9         | 173.1                              | GGGG                |                      | 84                    | 8                    |
| 14719N                                  | 7323N             | 2594-21185                   | 00000/0000                  | 2-20032/1012     | 09/07/76            | 10              | 8285         | 22.3         | 172.5                              | GGGG                |                      | 84                    | 8                    |
| 14720N                                  | 7203N             | 2610-21072                   | 00000/0000                  | 2-20032/1830     | 09/23/76            | 90              | 8508         | 17.4         | 171.2                              | GGGG                |                      | 82                    | 9                    |
| 14721N                                  | 7201N             | 2484-21105                   | 00000/0000                  | 2-20025/1221     | 05/20/76            | 100             | 6751         | 37.9         | 169.8                              | GGGG                |                      | 82                    | 9                    |
| 14724N                                  | 7202N             | 2430-21122                   | 00000/0000                  | 2-20022/0488     | 03/27/76            | 50              | 5998         | 20.6         | 169.0                              | GGGG                |                      | 82                    | 9                    |
| 14730N                                  | 7320N             | 2576-21192                   | 00000/0000                  | 2-20030/1801     | 08/20/76            | 100             | 8034         | 28.7         | 170.8                              | GGGG                |                      | 84                    | 8                    |
| 14730N                                  | 7159N             | 2556-21085                   | 00000/0000                  | 2-20030/0508     | 07/31/76            | 40              | 7755         | 35.7         | 166.4                              | GGGG                |                      | 82                    | 9                    |
| 14737N                                  | 7317N             | 2432-21232                   | 00000/0000                  | 2-20022/0948     | 03/29/76            | 10              | 6026         | 20.3         | 171.9                              | GGGG                |                      | 84                    | 8                    |
| 14738N                                  | 7153N             | 2628-21065                   | 00000/0000                  | 2-20034/0592     | 10/11/76            | 80              | 8759         | 10.7         | 172.4                              | FGGG                |                      | 82                    | 9                    |
| 14743N                                  | 7314N             | 2558-21195                   | 00000/0000                  | 2-20030/0646     | 08/02/76            | 10              | 7743         | 34.1         | 169.6                              | FGGG                |                      | 84                    | 8                    |
| 14743N                                  | 7152N             | 2502-21102                   | 00000/0000                  | 2-20026/1483     | 06/07/76            | 10              | 7002         | 40.7         | 168.3                              | GGGG                |                      | 82                    | 9                    |
| 14743N                                  | 7152N             | 2538-21092                   | 00000/0000                  | 2-20028/1341     | 07/13/76            | 10              | 7504         | 39.4         | 166.0                              | GGGG                |                      | 82                    | 9                    |
| 14744N                                  | 7149N             | 2394-21137                   | 00000/0000                  | 2-20021/0282     | 02/20/76            | 100             | 5496         | 6.8          | 167.5                              | GGGF                |                      | 82                    | 9                    |
| 14745N                                  | 7149N             | 2412-21130                   | 00000/0000                  | 2-20021/1382     | 03/09/76            | 0               | 5747         | 13.6         | 167.8                              | FGGF                |                      | 82                    | 9                    |
| 14750N                                  | 7150N             | 2520-21100                   | 00000/0000                  | 2-20027/0440     | 06/25/76            | 100             | 7253         | 41.2         | 166.8                              | GGGG                |                      | 82                    | 9                    |
| 14755N                                  | 7308N             | 2504-21212                   | 00000/0000                  | 2-20026/1062     | 06/09/76            | 20              | 7030         | 39.7         | 171.4                              | GGGG                |                      | 84                    | 8                    |
| 14801N                                  | 7307N             | 2540-21202                   | 00000/0000                  | 2-20028/1386     | 07/15/76            | 0               | 7532         | 38.0         | 169.2                              | GGG                 |                      | 84                    | 8                    |
| 14805N                                  | 7305N             | 2522-21210                   | 00000/0000                  | 2-20028/0235     | 06/27/76            | 90              | 7281         | 40.0         | 169.9                              | GGGG                |                      | 84                    | 8                    |
| 14807N                                  | 7301N             | 2396-21243                   | 00000/0000                  | 2-20021/0379     | 02/22/76            | 100             | 5524         | 6.4          | 169.9                              | FGGG                |                      | 84                    | 8                    |
| 14830N                                  | 7837S             | 2673-15484                   | 2-20037/1363                | 00000/0000       | 11/25/76            | 80              | 9383         | 20.8         | 92.6                               | GGG                 |                      | 19                    | 117                  |
| 14832N                                  | 7210N             | 2467-21170                   | 00000/0000                  | 2-20024/0832     | 05/03/76            | 0               | 6514         | 33.5         | 170.5                              | GGGG                |                      | 83                    | 9                    |
| 14844N                                  | 7207N             | 2593-21133                   | 00000/0000                  | 2-20032/0979     | 09/06/76            | 90              | 8271         | 23.8         | 169.5                              | GGGG                |                      | 83                    | 9                    |
| 14850N                                  | 7201N             | 2557-21143                   | 00000/0000                  | 2-20030/0610     | 08/01/76            | 20              | 7769         | 35.4         | 166.5                              | GGGG                |                      | 83                    | 9                    |
| 14851N                                  | 7201N             | 2431-21180                   | 00000/0000                  | 2-20022/0968     | 03/28/76            | 10              | 6012         | 21.0         | 169.0                              | GGG                 |                      | 83                    | 9                    |
| 14851N                                  | 7200N             | 2435-21163                   | 00000/0000                  | 2-20026/0008     | 05/21/76            | 10              | 6765         | 38.1         | 169.7                              | GGGG                |                      | 83                    | 9                    |
| 14853N                                  | 7201N             | 2611-21130                   | 00000/0000                  | 2-20032/1765     | 09/24/76            | 90              | 8522         | 17.0         | 171.2                              | GGGG                |                      | 83                    | 9                    |
| 14901N                                  | 7155N             | 2503-21161                   | 00000/0000                  | 2-20026/1055     | 06/08/76            | 80              | 7016         | 40.7         | 168.3                              | GGGG                |                      | 83                    | 9                    |
| 14905N                                  | 7143N             | 2629-21123                   | 00000/0000                  | 2-20034/0829     | 10/12/76            | 10              | 8773         | 10.3         | 172.5                              | GGGG                |                      | 83                    | 9                    |
| 14908N                                  | 7148N             | 2395-21191                   | 00000/0000                  | 2-20021/0295     | 02/21/76            | 20              | 5510         | 7.1          | 167.4                              | FFGF                |                      | 83                    | 9                    |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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LANDSAT-2  
COORDINATE LISTING  
FOR USN-105  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE<br>LONG LAT | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>RBV | ROLL NO./<br>IN RELI<br>MSF | DATE<br>ACQUIRED | CLUD<br>COVER<br>% | BRIGHT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------------------|-------------------|------------------------------|-----------------------------|------------------|--------------------|------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 14912N                                  | 7152N             | 2539-21151                   | 00000/0000                  | 2-20028/1506     | 07/14/76           | 10               | 7518         | 39.3         | 166.0                              | GGGG                |                      | 83                    | 9                    |
| 14912N                                  | 7148N             | 2413-21124                   | 00000/0000                  | 2-20021/1432     | 03/10/76           | 20               | 5761         | 14.0         | 167.8                              | FGGG                |                      | 83                    | 9                    |
| 14915N                                  | 7149N             | 2521-21154                   | 00000/0000                  | 2-20028/0225     | 06/26/76           | 90               | 7267         | 41.2         | 166.7                              | GGGG                |                      | 83                    | 9                    |
| 14958N                                  | 7209N             | 2468-21224                   | 00000/0000                  | 2-20024/0910     | 05/04/76           | 10               | 6528         | 33.8         | 170.4                              | GGGG                |                      | 84                    | 9                    |
| 15000N                                  | 7209N             | 2450-21231                   | 00000/0000                  | 2-20023/0471     | 04/16/76           | 10               | 6277         | 28.0         | 170.1                              | GGGG                |                      | 84                    | 9                    |
| 15001N                                  | 7210N             | 2594-21192                   | 00000/0000                  | 2-20032/1013     | 09/07/76           | 10               | 8285         | 23.4         | 169.7                              | GGGG                |                      | 84                    | 9                    |
| 15005N                                  | 7324N             | 2452-21341                   | 00000/0000                  | 2-20023/0534     | 04/18/76           | 10               | 6305         | 27.6         | 173.2                              | GGFG                |                      | 86                    | 8                    |
| 15009N                                  | 7206N             | 2576-21135                   | 00000/0000                  | 2-20030/1802     | 08/20/76           | 100              | 8034         | 29.7         | 167.8                              | GGGG                |                      | 84                    | 9                    |
| 15012N                                  | 7202N             | 2612-21184                   | 00000/0000                  | 2-20032/1857     | 09/25/76           | 100              | 8536         | 16.6         | 171.3                              | GGGG                |                      | 84                    | 9                    |
| 15015N                                  | 7202N             | 2432-21234                   | 00000/0000                  | 2-20022/0949     | 03/29/76           | 10               | 6026         | 21.3         | 169.1                              | GFGG                |                      | 84                    | 9                    |
| 15019N                                  | 7159N             | 2558-21202                   | 00000/0000                  | 2-20030/0647     | 08/02/76           | 20               | 7783         | 35.1         | 166.5                              | FGGG                |                      | 84                    | 9                    |
| 15020N                                  | 7839S             | 2692-15533                   | 2-20037/1379                | 00000/0000       | 12/14/76           | 80               | 9648         | 22.6         | 95.5                               | GGG                 |                      | 20                    | 117                  |
| 15031N                                  | 7154N             | 2504-21215                   | 00000/0000                  | 2-20026/1063     | 06/09/76           | 80               | 7030         | 40.8         | 168.2                              | FGGG                |                      | 84                    | 9                    |
| 15033N                                  | 7152N             | 2414-21242                   | 00000/0000                  | 2-20021/1474     | 03/11/76           | 10               | 5775         | 14.3         | 168.0                              | FGGG                |                      | 84                    | 9                    |
| 15035N                                  | 7153N             | 2540-21205                   | 00000/0000                  | 2-20028/1387     | 07/15/76           | 0                | 7532         | 39.1         | 166.0                              | GGGG                |                      | 84                    | 9                    |
| 15108N                                  | 7257N             | 2488-21332                   | 00000/0000                  | 2-20026/0303     | 05/24/76           | 100              | 6807         | 37.8         | 171.9                              | GGGG                |                      | 86                    | 8                    |
| 15114N                                  | 7731S             | 2391-15311                   | 00000/0000                  | 2-20021/0235     | 02/17/76           | 10               | 5451         | 12.4         | 89.9                               | GGGG                |                      | 25                    | 116                  |
| 15123N                                  | 7212N             | 2451-21285                   | 00000/0000                  | 2-20023/0525     | 04/17/76           | 0                | 6291         | 28.3         | 170.2                              | GGGG                |                      | 85                    | 9                    |
| 15132N                                  | 7326N             | 2453-21395                   | 00000/0000                  | 2-20023/0511     | 04/19/76           | 0                | 6319         | 27.9         | 173.3                              | FGGG                |                      | 87                    | 8                    |
| 15134N                                  | 7208N             | 2595-21250                   | 00000/0000                  | 2-20032/1035     | 09/08/76           | 90               | 8299         | 23.0         | 169.7                              | GGGG                |                      | 85                    | 9                    |
| 15139N                                  | 7201N             | 2559-21260                   | 00000/0000                  | 2-20030/0736     | 08/03/76           | 90               | 7797         | 34.9         | 166.6                              | GGGG                |                      | 85                    | 9                    |
| 15142N                                  | 7204N             | 2433-21293                   | 00000/0000                  | 2-20022/0966     | 03/30/76           | 10               | 6040         | 21.7         | 169.2                              | GGGG                |                      | 85                    | 9                    |
| 15145N                                  | 7200N             | 2613-21243                   | 00000/0000                  | 2-20034/0089     | 09/26/76           | 100              | 8550         | 16.3         | 171.4                              | GGGG                |                      | 85                    | 9                    |
| 15149N                                  | 7158N             | 2487-21240                   | 00000/0000                  | 2-20026/0024     | 05/23/76           | 100              | 6793         | 38.5         | 169.5                              | GGGG                |                      | 85                    | 9                    |
| 15154N                                  | 7318N             | 2435-21403                   | 00000/0000                  | 2-20022/1108     | 04/01/76           | 0                | 6068         | 21.4         | 172.1                              | GGGG                |                      | 87                    | 8                    |
| 15155N                                  | 7928S             | 2671-15374                   | 2-20037/1361                | 00000/0000       | 11/23/76           | 90               | 9355         | 19.3         | 98.1                               | GGG                 |                      | 17                    | 118                  |
| 15210N                                  | 7931S             | 2689-15365                   | 2-20037/1371                | 00000/0000       | 12/11/76           | 90               | 9606         | 21.5         | 100.7                              | GGG                 |                      | 17                    | 118                  |
| 15245N                                  | 7210N             | 2452-21344                   | 00000/0000                  | 2-20023/0535     | 04/18/76           | 10               | 6305         | 28.7         | 170.2                              | GGGG                |                      | 86                    | 9                    |
| 15251N                                  | 7210N             | 2578-21311                   | 00000/0000                  | 2-20030/1748     | 08/22/76           | 80               | 8062         | 29.0         | 168.2                              | GGGG                |                      | 86                    | 9                    |
| 15256N                                  | 7207N             | 2470-21341                   | 00000/0000                  | 2-20024/1756     | 05/06/76           | 80               | 6556         | 34.4         | 170.3                              | GGGG                |                      | 86                    | 9                    |
| 15259N                                  | 7206N             | 2596-21304                   | 00000/0000                  | 2-20032/1063     | 09/09/76           | 90               | 8313         | 22.7         | 169.8                              | GGGG                |                      | 86                    | 9                    |
| 15335N                                  | 7927S             | 2690-15424                   | 2-20037/1375                | 00000/0000       | 12/12/76           | 100              | 9620         | 21.5         | 100.7                              | GGG                 |                      | 18                    | 118                  |
| 15413N                                  | 7212N             | 2453-21402                   | 00000/0000                  | 2-20023/0512     | 04/19/76           | 0                | 6319         | 29.0         | 170.3                              | GFGG                |                      | 87                    | 9                    |
| 15433N                                  | 7322N             | 2455-21512                   | 00000/0000                  | 2-20024/0304     | 04/21/76           | 50               | 6347         | 28.7         | 173.2                              | GGGG                |                      | 89                    | 8                    |
| 15450N                                  | 7928S             | 2673-15490                   | 2-20037/1364                | 00000/0000       | 11/25/76           | 80               | 9383         | 19.7         | 98.4                               | GGG                 |                      | 19                    | 118                  |

KEYS: CLUD COVER % ..... 0 TO 100 = % CLUD COVER.  
 IMAGE QUALITY ..... BLANKS=BAD NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE ..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN ..... (BLANK)=LOW GAIN, H=HIGH GAIN

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FOR NBN-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | OBSERVATION<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RLL | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | ERRIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ERRIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|---------------------|------------------|---------------------|-----------------|--------------|--------------|-----------------------|---------------------|----------------------|-----------------------|----------------------|
| LONG<br>LAT                 |                   | RBV                   | MSS                 |                  |                     |                 |              |              | 123 45678             |                     |                      |                       |                      |
| 15454N                      | 7311N             | 2419-21523            | 00000/0000          | 2-20022/0144     | 03/16/76            | 20              | 5845         | 15.2         | 171.0                 | GGGG                |                      | 89                    | 8                    |
| 15455N                      | 7311N             | 2491-21502            | 00000/0000          | 2-20026/0804     | 05/27/76            | 100             | 6849         | 38.1         | 172.4                 | GGGG                |                      | 89                    | 8                    |
| 15518N                      | 7729S             | 2394-16481            | 00000/0000          | 2-20021/0324     | 02/20/76            | 100             | 5493         | 11.4         | 89.5                  | GGGG                |                      | 28                    | 116                  |
| 15534N                      | 7933S             | 2691-15442            | 2-20037/1377        | 00000/0000       | 12/13/76            | 100             | 9634         | 21.5         | 101.5                 | GGG                 |                      | 20                    | 118                  |
| 15548N                      | 7926S             | 2674-15544            | 2-20037/1367        | 00000/0000       | 11/26/76            | 90              | 9397         | 19.9         | 98.1                  | GGG                 |                      | 20                    | 118                  |
| 15630N                      | 5129N             | 2369-20400            | 00000/0000          | 2-20027/0317     | 01/26/76            | 90              | 5147         | 15.1         | 151.1                 | GGGG                |                      | 75                    | 24                   |
| 15642N                      | 7928S             | 2692-1554N            | 2-20037/1380        | 00000/0000       | 12/14/76            | 90              | 9648         | 21.6         | 101.2                 | GGG                 |                      | 20                    | 118                  |
| 15711N                      | 500N              | 2359-20403            | 00000/0000          | 2-20020/0318     | 01/26/76            | 90              | 5147         | 16.2         | 150.4                 | GGGG                |                      | 75                    | 25                   |
| 15915N                      | 8010S             | 2671-15381            | 2-20037/1362        | 00000/0000       | 11/23/76            | 90              | 9355         | 18.2         | 104.9                 | GGG                 |                      | 17                    | 119                  |
| 15925N                      | 8012S             | 2689-15372            | 2-20037/1372        | 00000/0000       | 12/11/76            | 90              | 9606         | 20.4         | 107.5                 | GGG                 |                      | 17                    | 119                  |
| 15929N                      | 7305N             | 2530-22064            | 00000/0000          | 2-20026/0700     | 07/05/76            | 100             | 7393         | 39.4         | 169.4                 | GGGG                |                      | 92                    | 8                    |
| 16049N                      | 8008S             | 2690-15430            | 2-20037/1376        | 00000/0000       | 12/12/76            | 100             | 9620         | 20.5         | 107.4                 | GGG                 |                      | 18                    | 119                  |
| 16127N                      | 7209N             | 2458-22045            | 00000/0000          | 2-20024/0507     | 04/24/76            | 100             | 6389         | 30.8         | 170.3                 | GGGG                |                      | 92                    | 9                    |
| 16136N                      | 7206N             | 2440-22092            | 00000/0000          | 2-20022/1457     | 04/06/76            | 10              | 6138         | 24.4         | 169.6                 | GGG                 |                      | 92                    | 9                    |
| 16137N                      | 7207N             | 2534-22053            | 00000/0000          | 2-20032/0442     | 08/28/76            | 30              | 8146         | 27.0         | 168.6                 | GGGG                |                      | 92                    | 9                    |
| 16138N                      | 7205N             | 2602-22050            | 00000/0000          | 2-20032/1366     | 09/15/76            | 100             | 8397         | 20.4         | 170.4                 | GGGG                |                      | 92                    | 9                    |
| 16141N                      | 7203N             | 2476-22082            | 00000/0000          | 2-20025/0074     | 05/12/76            | 70              | 6640         | 36.1         | 170.1                 | GGGG                |                      | 92                    | 9                    |
| 16145N                      | 7202N             | 2566-22060            | 00000/0000          | 2-20030/1102     | 08/10/76            | 80              | 7895         | 32.9         | 167.0                 | GGGG                |                      | 92                    | 9                    |
| 16151N                      | 7156N             | 2422-22100            | 00000/0000          | 2-20022/0265     | 03/19/76            | 10              | 5887         | 17.5         | 168.4                 | PF                  |                      | 92                    | 9                    |
| 16153N                      | 7157N             | 2494-22080            | 00000/0000          | 2-20026/0488     | 05/30/76            | 100             | 6891         | 39.7         | 169.0                 | GGGG                |                      | 92                    | 9                    |
| 16153N                      | 7157N             | 2620-22042            | 00000/0000          | 2-20034/0391     | 10/03/76            | 100             | 8648         | 13.6         | 171.9                 | GGGG                |                      | 92                    | 9                    |
| 16203N                      | 7154N             | 2548-22063            | 00000/0000          | 2-20030/0279     | 07/23/76            | 10              | 7644         | 37.6         | 166.0                 | GGG                 |                      | 92                    | 9                    |
| 16204N                      | 7151N             | 2530-22070            | 00000/0000          | 2-20025/0701     | 07/05/76            | 80              | 7393         | 40.5         | 166.2                 | GGGG                |                      | 92                    | 9                    |
| 16210N                      | 8010S             | 2673-15493            | 2-20037/1365        | 00000/0000       | 11/25/76            | 50              | 9383         | 18.6         | 105.2                 | GGG                 |                      | 19                    | 119                  |
| 16251N                      | 7210N             | 2459-22143            | 00000/0000          | 2-20024/0646     | 04/25/76            | 100             | 6403         | 31.1         | 170.4                 | GGFG                |                      | 93                    | 9                    |
| 16253N                      | 8014S             | 2691-15484            | 2-20037/1378        | 00000/0000       | 12/13/76            | 90              | 9634         | 20.4         | 108.3                 | GGF                 |                      | 20                    | 119                  |
| 16301N                      | 8008S             | 2674-15551            | 2-20037/1368        | 00000/0000       | 11/26/76            | 90              | 9397         | 18.8         | 104.8                 | GGG                 |                      | 20                    | 119                  |
| 16358N                      | 8009S             | 2692-15542            | 2-20037/1381        | 00000/0000       | 12/14/76            | 100             | 9648         | 20.5         | 108.0                 | GGG                 |                      | 21                    | 119                  |
| 16418N                      | 7208N             | 2460-22202            | 00000/0000          | 2-20024/0634     | 04/26/76            | 100             | 6417         | 31.4         | 170.4                 | GGGG                |                      | 94                    | 9                    |
| 16448N                      | 7156N             | 2424-22212            | 00000/0000          | 2-20022/0022     | 03/21/76            | 10              | 5915         | 18.3         | 168.5                 | GGGG                |                      | 94                    | 9                    |
| 16512N                      | 7054N             | 2459-22150            | 00000/0000          | 2-20024/0647     | 04/25/76            | 100             | 6403         | 32.2         | 167.7                 | GGGG                |                      | 93                    | 10                   |
| 16520N                      | 7053N             | 2585-22113            | 00000/0000          | 2-20032/0410     | 08/29/76            | 10              | 8160         | 27.7         | 166.1                 | GGGG                |                      | 93                    | 10                   |
| 16521N                      | 7051N             | 2441-22153            | 00000/0000          | 2-20022/1460     | 04/07/76            | 10              | 6152         | 25.9         | 167.1                 | GGGG                |                      | 93                    | 10                   |
| 16525N                      | 7046N             | 2477-22143            | 00000/0000          | 2-20025/0393     | 05/13/76            | 90              | 6654         | 37.4         | 167.2                 | GGFF                |                      | 93                    | 10                   |
| 16527N                      | 7047N             | 2603-22110            | 00000/0000          | 2-20032/1410     | 09/16/76            | 90              | 8411         | 21.2         | 168.0                 | GGFG                |                      | 93                    | 10                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=NOT RECORDED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

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COORDINATE LISTING  
FOR USA-US  
FROM 01/22/76 TO 01/22/77

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| PRINCIPAL POINT<br>OF IMAGE | SUBSAMPLING<br>ID | MICROFILM<br>POSITION | ROLL NO./<br>IN RELI<br>MSS | DATE<br>ACQUIRED | CLOUD<br>COVER<br>% | BRIGHT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBY MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>ROW<br>NUM. |
|-----------------------------|-------------------|-----------------------|-----------------------------|------------------|---------------------|------------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 16530N                      | 7048N             | 2567-22120            | 00000/0000                  | 2-20037/1145     | 08/11/76            | 70               | 7909         | 33.6         | 164.3                              | GGGG                |                      | 93                    | 10                   |
| 16534N                      | 7038N             | 2549-22124            | 00000/0000                  | 2-20037/0298     | 07/24/76            | 10               | 7658         | 38.4         | 163.2                              | GGGG                |                      | 93                    | 10                   |
| 16535N                      | 7042N             | 2423-22150            | 00000/0000                  | 2-20022/0260     | 03/20/76            | 10               | 5901         | 18.9         | 166.1                              | GGGG                |                      | 93                    | 10                   |
| 16535N                      | 7040N             | 2495-22140            | 00000/0000                  | 2-20026/0497     | 05/31/76            | 60               | 6905         | 40.9         | 166.2                              | GGGG                |                      | 93                    | 10                   |
| 16536N                      | 7042N             | 2621-22103            | 00000/0000                  | 2-20034/0357     | 10/04/76            | 90               | 8662         | 14.4         | 169.7                              | GGGG                |                      | 93                    | 10                   |
| 16545N                      | 7036N             | 2531-22131            | 00000/0000                  | 2-20028/0703     | 07/06/76            | 50               | 7407         | 41.4         | 163.3                              | GGGG                |                      | 93                    | 10                   |
| 16548N                      | 7031N             | 2405-22164            | 00000/0000                  | 2-20021/1080     | 03/02/76            | 10               | 5650         | 12.0         | 165.3                              | GGGG                |                      | 93                    | 10                   |
| 16550N                      | 7035N             | 2513-22134            | 00000/0000                  | 2-20026/1816     | 06/18/76            | 80               | 7156         | 42.3         | 164.4                              | GGGG                |                      | 93                    | 10                   |
| 16640N                      | 7052N             | 2450-22204            | 00000/0000                  | 2-20024/0635     | 04/26/76            | 100              | 6417         | 32.5         | 167.6                              | GGGG                |                      | 94                    | 10                   |
| 16648N                      | 7050N             | 2536-22172            | 00000/0000                  | 2-20032/0637     | 08/30/76            | 90               | 8174         | 27.4         | 166.2                              | GGGG                |                      | 94                    | 10                   |
| 16649N                      | 7048N             | 2604-22165            | 00000/0000                  | 2-20032/1431     | 09/17/76            | 90               | 8425         | 20.8         | 168.1                              | GGGG                |                      | 94                    | 10                   |
| 16651N                      | 7048N             | 2478-22201            | 00000/0000                  | 2-20025/0408     | 05/14/76            | 60               | 6668         | 37.7         | 167.2                              | GGGG                |                      | 94                    | 10                   |
| 16653N                      | 7049N             | 2568-22175            | 00000/0000                  | 2-20030/1279     | 08/12/76            | 80               | 7923         | 33.3         | 164.4                              | GGGG                |                      | 94                    | 10                   |
| 16705N                      | 7039N             | 2436-22195            | 00000/0000                  | 2-20026/0498     | 06/01/76            | 60               | 6919         | 41.1         | 165.9                              | GGGG                |                      | 94                    | 10                   |
| 16707N                      | 7041N             | 2424-22215            | 00000/0000                  | 2-20022/0023     | 03/21/76            | 10               | 5915         | 19.4         | 166.1                              | GGGG                |                      | 94                    | 10                   |
| 16707N                      | 7039N             | 2622-22161            | 00000/0000                  | 2-20034/0358     | 10/05/76            | 80               | 8676         | 14.0         | 169.7                              | GGGG                |                      | 94                    | 10                   |
| 16712N                      | 7037N             | 2532-22185            | 00000/0000                  | 2-20028/0886     | 07/07/76            | 50               | 7421         | 41.2         | 163.3                              | GGGG                |                      | 94                    | 10                   |
| 16713N                      | 7034N             | 2514-22192            | 00000/0000                  | 2-20027/0263     | 06/19/76            | 60               | 7170         | 42.3         | 164.3                              | GGGG                |                      | 94                    | 10                   |
| 16714N                      | 7033N             | 2456-22222            | 00000/0000                  | 2-20021/1078     | 03/03/76            | 100              | 5664         | 12.3         | 165.3                              | GGFF                |                      | 94                    | 10                   |
| 16736N                      | 8043S             | 2689-15374            | 2-20037/1373                | 00000/0000       | 12/11/76            | 100              | 9606         | 19.3         | 115.1                              | GGG                 |                      | 11                    | 121                  |
| 16845N                      | 6935N             | 2460-22211            | 00000/0000                  | 2-20024/0636     | 04/26/76            | 100              | 6417         | 33.6         | 165.1                              | GGGG                |                      | 94                    | 11                   |
| 16852N                      | 6934N             | 2586-22174            | 00000/0000                  | 2-20032/0638     | 08/30/76            | 70               | 8174         | 28.4         | 163.8                              | GGGG                |                      | 94                    | 11                   |
| 16852N                      | 6931N             | 2604-22171            | 00000/0000                  | 2-20032/1432     | 09/17/76            | 70               | 8425         | 21.9         | 165.9                              | GGGG                |                      | 94                    | 11                   |
| 16854N                      | 6932N             | 2442-22214            | 00000/0000                  | 2-20022/1745     | 04/08/76            | 10               | 6166         | 27.4         | 164.7                              | GGGG                |                      | 94                    | 11                   |
| 16854N                      | 6930N             | 2478-22204            | 00000/0000                  | 2-20025/0409     | 05/14/76            | 80               | 6668         | 38.7         | 164.6                              | GGGG                |                      | 94                    | 11                   |
| 16856N                      | 6931N             | 2568-22184            | 00000/0000                  | 2-20037/1280     | 08/12/76            | 100              | 7923         | 34.3         | 161.9                              | GGGG                |                      | 94                    | 11                   |
| 16905N                      | 6923N             | 2550-22184            | 00000/0000                  | 2-20030/0121     | 07/25/76            | 80               | 7672         | 39.1         | 160.6                              | GGGG                |                      | 94                    | 11                   |
| 16908N                      | 6921N             | 2496-22201            | 00000/0000                  | 2-20026/0499     | 06/01/76            | 90               | 6919         | 42.2         | 163.2                              | GGGG                |                      | 94                    | 11                   |
| 16909N                      | 6923N             | 2424-22221            | 00000/0000                  | 2-20022/0024     | 03/21/76            | 10               | 5915         | 20.4         | 163.9                              | GGGG                |                      | 94                    | 11                   |
| 16909N                      | 6922N             | 2622-22164            | 00000/0000                  | 2-20034/0359     | 10/05/76            | 90               | 8676         | 15.1         | 167.7                              | GGGG                |                      | 94                    | 11                   |
| 16914N                      | 6919N             | 2532-22191            | 00000/0000                  | 2-20028/0887     | 07/07/76            | 30               | 7421         | 42.3         | 160.6                              | GGGG                |                      | 94                    | 11                   |
| 16914N                      | 6916N             | 2514-22195            | 00000/0000                  | 2-20027/0264     | 06/19/76            | 80               | 7170         | 43.4         | 161.6                              | GGGG                |                      | 94                    | 11                   |
| 16914N                      | 6915N             | 2406-22225            | 00000/0000                  | 2-20021/1079     | 03/03/76            | 90               | 5664         | 13.4         | 163.3                              | GGFF                |                      | 94                    | 11                   |
| 17019N                      | 6933N             | 2443-22272            | 00000/0000                  | 2-20022/1772     | 04/09/76            | 40               | 6180         | 27.7         | 164.8                              | GGGG                |                      | 95                    | 11                   |
| 17022N                      | 6929N             | 2479-22262            | 00000/0000                  | 2-20025/0647     | 05/15/76            | 90               | 6682         | 39.0         | 164.6                              | GGGG                |                      | 95                    | 11                   |

KEYS: CLOUD COVER % ..... 0 TO 100 = % CLOUD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED. L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN. H=HIGH GAIN

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| PRINCIPAL POINT<br>OF IMAGE | LONG  | LAT        | OBSERVATION<br>ID | MICROFILM<br>POSITION<br>REV | ROLL NO./<br>IN REEL<br>MSS | DATE<br>ACQUIRED | CLSD<br>COVER<br>% | ORBIT<br>NUMBER | SUN<br>ELEV. | SUN<br>AZIM. | IMAGE QUAL<br>RBV MSS<br>123 45678 | MSS<br>DATA<br>MODE | MSS<br>IMAGE<br>GAIN | ORBIT<br>PATH<br>NUM. | FRAME<br>RBW<br>NUM. |
|-----------------------------|-------|------------|-------------------|------------------------------|-----------------------------|------------------|--------------------|-----------------|--------------|--------------|------------------------------------|---------------------|----------------------|-----------------------|----------------------|
| 17022N                      | 6929N | 2605-22225 | 00000/0000        | 2-20032/1523                 | 09/18/76                    | 80               | 8439               | 21.5            | 166.0        | GGGG         |                                    |                     | 95                   | 11                    |                      |
| 17027N                      | 6930N | 2569-22235 | 00000/0000        | 2-20030/1353                 | 09/18/76                    | 70               | 7937               | 34.1            | 162.0        | GGGG         |                                    |                     | 95                   | 11                    |                      |
| 17033N                      | 6923N | 2425-22275 | 00000/0000        | 2-20022/0448                 | 03/22/76                    | 10               | 5929               | 20.8            | 164.0        | GGG          |                                    |                     | 95                   | 11                    |                      |
| 17033N                      | 6923N | 2497-22255 | 00000/0000        | 2-20024/0158                 | 06/02/76                    | 80               | 6933               | 42.2            | 163.2        | GGGF         |                                    |                     | 95                   | 11                    |                      |
| 17033N                      | 6922N | 2623-22222 | 00000/0000        | 2-20034/0449                 | 10/06/76                    | 90               | 8690               | 14.8            | 167.8        | GGGG         |                                    |                     | 95                   | 11                    |                      |
| 17036N                      | 6922N | 2551-22243 | 00000/0000        | 2-20030/0245                 | 07/26/76                    | 30               | 7686               | 38.9            | 160.6        | GGGG         |                                    |                     | 95                   | 11                    |                      |
| 17036N                      | 6816N | 2460-22213 | 00000/0000        | 2-20024/0637                 | 04/26/76                    | 100              | 6417               | 34.7            | 162.8        | GGGG         |                                    |                     | 94                   | 12                    |                      |
| 17037N                      | 6917N | 2533-22250 | 00000/0000        | 2-20028/0981                 | 07/08/76                    | 10               | 7435               | 42.2            | 160.5        | GGGG         |                                    |                     | 95                   | 11                    |                      |
| 17043N                      | 6815N | 2536-22141 | 00000/0000        | 2-20032/0639                 | 08/30/76                    | 50               | 8174               | 29.5            | 161.6        | GGGG         |                                    |                     | 94                   | 12                    |                      |
| 17043N                      | 6812N | 2604-22174 | 00000/0000        | 2-20032/1433                 | 09/17/76                    | 80               | 8425               | 23.0            | 163.9        | GGGG         |                                    |                     | 94                   | 12                    |                      |
| 17044N                      | 6814N | 2442-22220 | 00000/0000        | 2-20022/1746                 | 04/04/76                    | 10               | 6166               | 28.4            | 162.6        | GGGG         |                                    |                     | 94                   | 12                    |                      |
| 17044N                      | 6811N | 2478-22210 | 00000/0000        | 2-20025/0410                 | 05/14/76                    | 80               | 6668               | 39.8            | 162.2        | GGGG         |                                    |                     | 94                   | 12                    |                      |
| 17046N                      | 6915N | 2515-22253 | 00000/0000        | 2-20027/0274                 | 06/20/76                    | 90               | 7184               | 43.4            | 161.4        | GGGG         |                                    |                     | 95                   | 11                    |                      |
| 17046N                      | 6812N | 2568-22184 | 00000/0000        | 2-20030/1251                 | 08/12/76                    | 100              | 7923               | 35.4            | 159.6        | GGGG         |                                    |                     | 94                   | 12                    |                      |
| 17054N                      | 6805N | 2550-22191 | 00000/0000        | 2-20030/0122                 | 07/25/76                    | 40               | 7672               | 40.1            | 158.2        | GGG          |                                    |                     | 94                   | 12                    |                      |
| 17055N                      | 6915N | 2407-22243 | 00000/0000        | 2-20021/1023                 | 03/04/76                    | 50               | 5678               | 13.8            | 163.3        | GGFG         |                                    |                     | 95                   | 11                    |                      |
| 17057N                      | 6804N | 2424-22224 | 00000/0000        | 2-20022/0025                 | 03/21/76                    | 30               | 5915               | 21.5            | 161.9        | FGGG         |                                    |                     | 94                   | 12                    |                      |
| 17058N                      | 6803N | 2496-22204 | 00000/0000        | 2-20024/0500                 | 06/01/76                    | 100              | 6919               | 43.2            | 160.7        | GGFG         |                                    |                     | 94                   | 12                    |                      |
| 17059N                      | 6803N | 2622-22170 | 00000/0000        | 2-20034/0360                 | 10/05/76                    | 90               | 8676               | 16.3            | 165.8        | GGGF         |                                    |                     | 94                   | 12                    |                      |
| 17102N                      | 6801N | 2532-22194 | 00000/0000        | 2-20025/0838                 | 07/07/76                    | 20               | 7421               | 43.3            | 158.1        | GGGG         |                                    |                     | 94                   | 12                    |                      |
| 17154N                      | 0124S | 2477-20523 | 00000/0000        | 2-20025/0596                 | 05/13/76                    | 30               | 6653               | 47.8            | 59.9         | GGGG         |                                    |                     | 75                   | 61                    |                      |
| 17222N                      | 6805N | 2425-22242 | 00000/0000        | 2-20022/0449                 | 03/22/76                    | 10               | 5929               | 21.9            | 162.0        | GGGG         |                                    |                     | 95                   | 12                    |                      |
| 17359N                      | 6645N | 2425-22284 | 00000/0000        | 2-20022/0450                 | 03/22/76                    | 50               | 5929               | 22.9            | 160.1        | GGGG         |                                    |                     | 95                   | 13                    |                      |
| 17527N                      | 6525N | 2425-22291 | 00000/0000        | 2-20022/0451                 | 03/22/76                    | 30               | 5929               | 24.0            | 158.4        | GGGG         |                                    |                     | 95                   | 14                    |                      |
| 17648N                      | 6405N | 2425-22293 | 00000/0000        | 2-20022/0452                 | 03/22/76                    | 10               | 5929               | 25.0            | 156.9        | GGG          |                                    |                     | 95                   | 15                    |                      |

KEYS: CLSD COVER % ..... 0 TO 100 = % CLSD COVER.  
 IMAGE QUALITY ..... BLANKS=BLANK NOT AVAILABLE. G=GOOD. P=POOR. F=FAIR.  
 MSS DATA MODE..... (BLANK)=COMPRESSED, L=LINEAR  
 MSS IMAGE GAIN..... (BLANK)=LOW GAIN, H=HIGH GAIN

# APPENDIX

## APPENDIX

### EXPLANATION OF OBSERVATION ID

The day after the 999th day of operation of LANDSAT 1, the first digit of the observation ID becomes a 5, signifying that the 1000th day of operation has been reached. The next three digits, which correspond to the count of days since launch, return to 000. On each day thereafter the count, as before, increases by one. The ID format for LANDSAT 1 is illustrated below:

1000 - hhmms

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1998 - hhmms

1999 - hhmms            April 18, 1975

5000 - hhmms            April 19, 1975

5001 - hhmms (Days since launch equal 1001)

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The same general identification procedure will be used for LANDSAT 2 imagery. The day after the 999th day of operation of LANDSAT 2, the first digit of the observation ID becomes a 6, and the next three digits return to 000 as explained above. An illustration follows:

2000 - hhmms

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2999 - hhmms

6000 - hhmms

6001 - hhmms (Days since launch equal 1001)

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Key:    hh = hours  
         mm = minutes  
         s = tens of seconds